LEESON

Product Catalog 1050

ELECTRIC MOTORS, GEARMOTORS AND DRIVES

Sub-Fractional to 700 HP

40 YEARS

FOCUSED ON THE FUTURE

A Regal Brand

REGAL

New Stock Ratings

High Efficient Eco-AG, Farm Duty, Single Phase Motors .... see page 172

Premium Efficient Eco-AG, Farm Duty, Three Phase Motors .... see page 172

Higher HP SST Stainless Motors – to 30 HP (Available 4th QTR. 2012)............... see page 156

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Higher HP Explosion Proof C Face Motors .... see page 101

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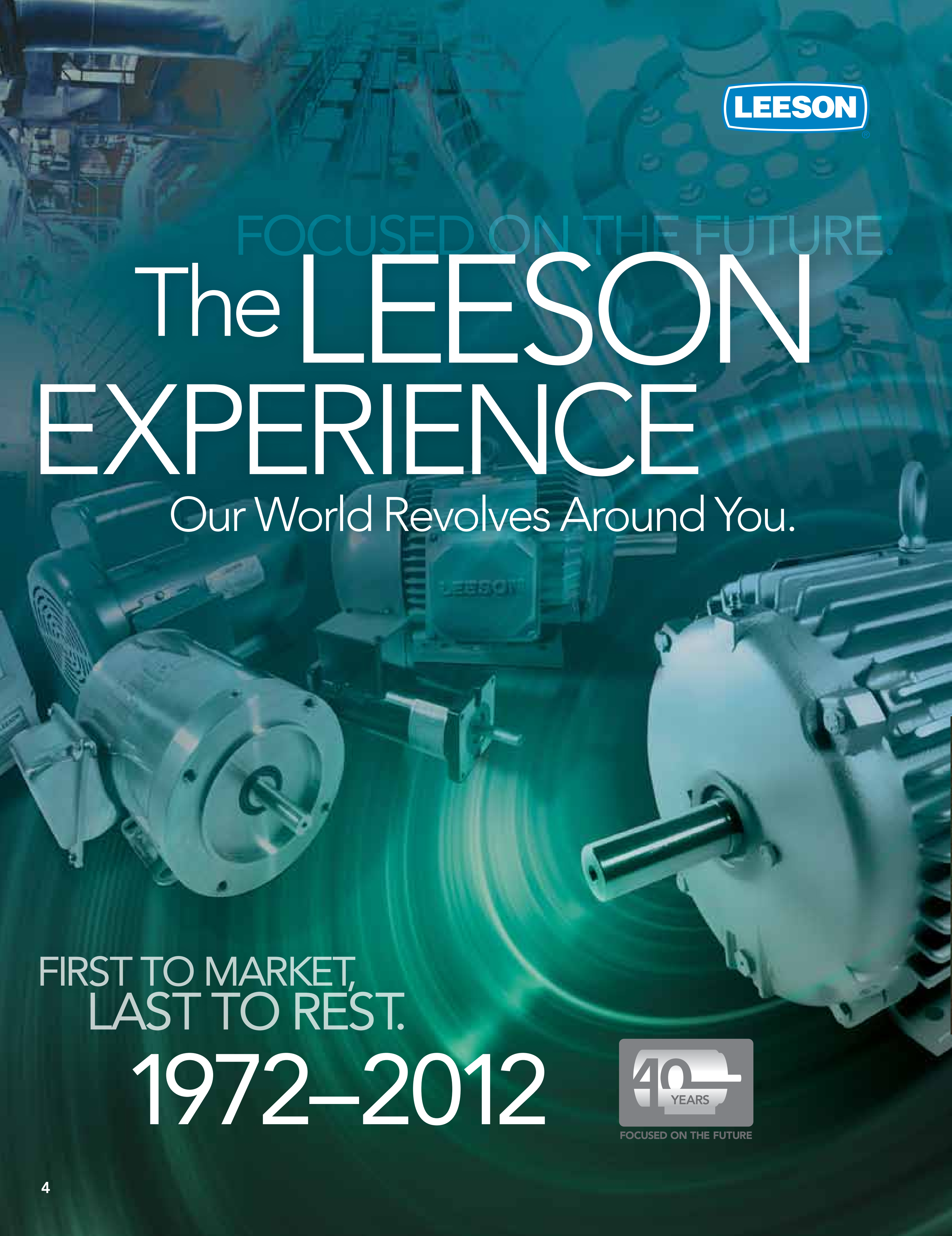
LEESON
FOCUSED ON THE FUTURE.
The LEESON EXPERIENCE
Our World Revolves Around You.
LEESON
FIRST TO MARKET,
LAST TO REST.
1972–2012
40 YEARS
FOCUSED ON THE FUTURE

Our New Corporate Identity is Simply "Regal"

SIMPLE.

Regal-Beloit Corporation, the parent of LEESON Electric, is in the midst of simplification. We are streamlining our business processes, standardizing our computer systems, and improving our communications – all with the idea of making it easier for customers to do business with us.

DYNAMIC.

As a corporation, we are becoming a more dynamic enterprise—continuously innovating and growing to reach more customers in more markets. And we are doing so with the confidence that comes with our years of industry experience.

BOLD.

As we bring life to the new Regal identity, our brand boldly reflects our corporate objective to become a more focused, integrated and customer centric company.

As a premier Regal brand, LEESON will continue as a dynamic and customer focused brand serving partners throughout North America. The LEESON brand promise remains giving customers the right product, in the right place at the right time, a service model that has been the hallmark of doing business with LEESON.

REGAL

Single Phase ODP Motors

Single Phase Motors – General Purpose – Drip-Proof – 115/208-230V
Rigid Mount – 1/12 HP – 10 HP – Frame sizes - 42 – 215T
Resilient Base Mount – ¼ HP – 2 HP – Frame sizes – 48 - 56



- Durable rolled steel construction
- NEMA design B performance
- Meets or exceeds NEMA service factors
- Double shielded ball bearings
- Continuous duty
- Thermally protected ratings
- UL recognized component listing and CSA certified
- 1-year warranty on general purpose motors
- 3-year warranty on Premium efficient motors

Applications:

- For use where water and dust exposure is minimal. Ideally suited for use on pumps, compressors, blowers, fans and other standard industrial applications

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	101423.00	√	361	M4C17DB33	16	115/208-230	Man.	2.7	1.35	8.87	S, MX
	1800	48	LM24458	C/A	356	SPD4S0.25T1C6028TP1	17	115/208-230	Man.	2.5	1.35	9.84	S, MX
	1800	48	100115.00	√	299	A4C17DB1	16	115/208-230	Auto.	2.7	1.35	8.87	S, MX
	1800	S56	100000.00	√	341	A4C17DH1	17	115/208-230	Auto.	2.7	1.35	9.24	S, MX
	1800	S56	LM24457	√	353	SPD4S0.25T1C6028	17	115/208-230	None	2.5	1.35	9.84	S, MX
1/3	3600	S56	100336.00	√	279	C4C34DH11	26	115/208-230	None	2.8	1.35	8.99	S, MX
	3600	48	LM24467	C/A	290	SPD2S0.33T1C6028	18	115/208-230	None	3.2	1.15	8.99	S, MX
	1800	48	100116.00	√	341	A4C17DB2	17	115/208-230	Auto.	3.3	1.35	8.87	S, MX
	1800	S56	100006.00	√	354	C4C17DH7	18	115/208-230	None	3.3	1.35	9.24	S, MX
	1800	S56	LM24570	C/A	370	SRD4S0.33TICC6028	18	115/208-230	None	3.2	1.35	9.24	S, MX
	1800	S56	100588.00	√	405	M4C17DH46	18	115/208-230	Man.	3.3	1.35	9.24	S, MX
	1800	S56	LM24550	√	420	SRD4S0.33T1C6028TP1	18	115/208-230	Man.	3.2	1.35	10.22	S, MX
	1800	S56	100001.00	√	403	A4C17DH2	18	115/208-230	Auto.	3.3	1.35	9.24	S, MX
	1800	S56	LM24549	C/A	416	SRD4S0.33T1C6028TP2	18	115/208-230	Auto.	3.2	1.35	10.22	S, MX
	1200	56	110001.00	√	509	C6C11DB1	29	115/208-230	None	3.9	1.35	10.88	S, US
	1200	S56	LM24540	C/A	532	SRD6S0.33T1C6028TP2	24	115/208-230	Auto.	8.4	1.15	11.97	S, MX
1/2	3600	48	100184.00	√	308	C4C34DB1	19	115/208-230	None	3.4	1.25	9.62	S, MX
	3600	48	LM24465	√	321	SPD2S0.5T1C6028	18	115/208-230	None	4.4	1.25	10.34	S, MX
	3600	S56	100337.00	√	308	C4C34DH12	20	115/208-230	None	3.4	1.25	9.99	S, MX
	3600	S56	100052.00	√	334	M4C34DH2	21	115/208-230	Man.	3.4	1.25	9.99	S, MX
	1800	48	100338.00	√	431	C4C17DB12	20	115/208-230	None	4.4	1.25	9.62	S, MX
	1800	S56	100007.00	√	389	C4C17DH8	21	115/208-230	None	4.4	1.25	9.99	S, MX
	1800	S56	LM24551	√	407	SRD4S0.5T1C6028	22	115/208-230	None	4.3	1.25	11.72	S, MX
	1800	S56	100004.00	√	477	M4C17DH5	21	115/208-230	Man.	4.4	1.25	9.99	S, MX
	1800	S56	LM24553	C/A	499	SRD4S0.5T1C6028TP1	23	115/208-230	Man.	9.0	1.25	13.32	S, MX
	1800	S56	100002.00	√	453	A4C17DH3	20	115/208-230	Auto.	4.4	1.25	9.99	S, MX
	1800	S56	LM24552	C/A	475	SRD4S0.5T1C6028TP2	22	115/208-230	Auto.	4.3	1.25	11.72	S, MX
	1200	56	110002.00	√	769	C6C11DB2	32	115/208-230	None	5.0	1.25	11.38	S, US
	1200	56	LM24542	C/A	805	SRD6S0.5T1C6028	30	115/208-230	None	5.0	1.25	11.38	S, MX
3/4	3600	S56	100340.00	√	376	C4C34DH13	24	115/208-230	None	4.9	1.25	10.49	S, MX
	3600	S56	LM24674	C/A	394	SRD2S0.75T1C6028	21	115/208-230	None	4.8	1.25	10.97	S, MX
	3600	S56	100053.00	√	420	M4C34DH3	24	115/208-230	Man.	4.9	1.25	10.49	S, MX
	1800	S56	100008.00	√	481	C4C17DH9	26	115/208-230	None	5.4	1.25	10.99	S, MX
	1800	S56	LM24502	√	502	SED4S0.75T1B6028	26	115/208-230	None	5.5	1.25	11.47	S, MX
	1800	S56	100005.00	√	569	M4C17DH6	25	115/208-230	Man.	5.4	1.25	10.99	S, MX
	1800	S56	LM24504	√	629	SRD4S0.75T1B6028TP1	18	115/208-230	Man.	5.5	1.25	11.47	S, MX
	1800	S56	101544.00	C/A	608	M4K17DH2	28	115/208-230	Man.	4.0	1.25	11.24	S, MX
	1800	S56	100003.00	√	555	A4C17DH4	25	115/208-230	Auto.	5.4	1.25	10.99	S, MX
	1800	S56	LM24503	C/A	580	SRD4S0.75T1B6028TP2	25	115/208-230	Auto.	5.5	1.25	11.47	S, MX
	1200	56H	110003.00	√	867	C6C11DB3	44	115/208-230	None	6.4	1.15	12.88	S, US
	1200	56	LM24543	C/A	909	SRD6S0.75T1C6028	38	115/208-230	None	6.4	1.15	12.44	S, MX

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

Single Phase ODP Motors

Capacitor Start – General Purpose

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56	110360.00	√	396	C6C34DB19	28	115/208-230	None	6.0	1.25	10.84	S, US
	3600	S56	LM24525	C/A	415	SRD2S1T1B6028	23	115/208-230	None	5.3	1.25	11.72	S, MX, 53
	3600	56	110097.00	√	435	M6C34DB3	28	115/208-230	Man.	6.0	1.25	10.84	S, US
	1800	56	110004.00	√	524	C6C17DB2	28	115/208-230	None	6.4	1.15	10.88	S, US
	1800	56	LM24580	√	548	SRD4SITIC6028TP1	20	115/208-230	None	6.7	1.15	11.44	S, MX
	1800	56	110167.00	√	616	M6C17DB7	30	115/208-230	Man.	6.4	1.15	10.88	S, US
	1800	56	LM24582	√	644	SRD4S1T1C6028TP1	29	115/208-230	Man.	6.7	1.15	11.44	S, MX
	1800	56	113630.00	√	660	M6K17DB33	31	115/208-230	Man.	5.3	1.15	10.88	S, US, 53
	1800	56	110000.00	√	592	A6C17DB1	28	115/208-230	Auto.	6.4	1.15	10.88	S, US
	1800	56	LM24581	C/A	616	SRD4S1TC6028TP2	29	115/208-230	Auto.	6.7	1.15	11.44	S, MX
	1800	143T	120044.00	√	586	C143C17DB3	38	115/208-230	None	6.4	1.15	11.13	S, US
	1800	143T	LM24675	C/A	613	SSD4S1T1C6028	33	115/208-230	None	6.7	1.15	11.49	S, MX
	1800	143T	120003.00	√	616	M143C17DB2	33	115/208-230	Man.	6.4	1.15	11.13	S, US
	1800	143T	120000.00	√	615	A143C17DB1	32	115/208-230	Auto.	6.4	1.15	11.13	S, US
1 1/2	3600	56	110361.00	√	560	C6C34DB20	29	115/208-230	None	8.2	1.15	10.84	S, US
	3600	56	LM24524	C/A	586	SRD2S1.5T1B6028	25	115/208-230	None	7.4	1.15	11.20	S, MX, 53
	3600	56	110110.00	√	569	M6C34DB4	28	115/208-230	Man.	8.2	1.15	10.84	S, US
	3600	56	113631.00	√	577	M6K34DB15	36	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
	3600	143T	120107.00	C/A	560	C143C34DB1	32	115/208-230	None	8.2	1.15	11.28	S, US
	3600	143T	LM24676	C/A	586	SSD2S1.5T1C6028	30	115/208-230	None	9.4	1.15	10.99	S, MX
	1800	56H	110005.00	√	681	C6K17DB1	37	115/208-230	None	8.6	1.15	11.84	S, US, 53
	1800	56H	LM24583	C/A	713	SRD4S1.5T1C6028	40	115/208-230	None	9.0	1.15	12.44	S, MX
	1800	56H	110006.00	√	742	P6K17DB2	38	115/208-230	Man.	8.6	1.15	11.84	S, US, 53
	1800	56H	LM24585	C/A	779	SRD4S1.5T1C6028TP1	40	115/208-230	Man.	9.0	1.15	12.44	S, MX
	1800	56H	113266.00	√	769	M6K17DB30	42	115/208-230	Man.	6.7	1.15	12.38	S, US, 53
	1800	145T	120042.00	√	647	C145K17DB5	38	115/208-230	None	8.6	1.15	12.28	S, US, 53
	1800	145T	LM24687	√	678	SSD4S1.5T1C6028	41	115/208-230	None	9.0	1.15	12.44	S, MX
	1800	145T	120004.00	√	822	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
	1800	145T	120001.00	√	822	U145K17DB1	40	115/208-230	Auto.	8.6	1.15	12.28	S, US, 53
2	3600	56	110363.00	√	742	C6C34DB22	37	115/208-230	None	10.0	1.15	11.84	S, US
	3600	56H	LM24624	C/A	779	SRD2S2T1B6028	35	115/208-230	None	9.6	1.15	11.44	S, MX, 53
	3600	56	110362.00	C/A	773	P6C34DB21	38	115/208-230	Man.	10.0	1.15	12.34	S, US
	3600	56	113632.00	√	779	P6K34DB16	38	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
	3600	145T	120106.00	√	799	C145C34DB3	40	115/208-230	None	10.0	1.15	12.28	S, US
	3600	145T	LM24806	C/A	833	SSD2S2T1B6038	40	115/208-230	None	9.6	1.15	11.49	S, MX, 53
	1800	56H	116704.00	√	822	P6K17DB47	45	115/208-203	Man.	8.6	1.15	12.88	S, US, 53
	1800	145T	120067.00	√	771	C145K17DB9	42	115/230	None	10.5	1.15	13.28	S, US, 53
	1800	145T	LM24677	√	807	SSD4S2T1B6028	49	115/208-230	None	10.5	1.15	13.49	S, MX, 53
	1800	145T	120879.00	√	864	P145K17DB38	51	115/208-230	Man.	8.6	1.15	13.31	S, US, 53
	1800	145T	LM24685	C/A	895	SRD4S1.5T1C6028TP1	50	115/208-230	Man.	8.6	1.15	13.31	S, MX
	1800	182T	131515.00	√	799	C182C17DB8	56	115/208-230	None	12.4	1.15	13.19	S, MX
	1800	182T	131536.00	√	855	P182C17DB10	63	115/208-230	Man.	12.4	1.15	13.19	S, MX
	1800	182T	131535.00	√	851	U182C17DB9	63	115/208-230	Auto.	12.4	1.15	13.19	S, MX

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	56H	116706.00	√	828	M6C34DB75	39	230	Man.	15.0	1.0	12.38	S, US
	3600	182T	131636.00	√	919	C182K34DB3	74	115/208-230	None	14.0	1.15	14.18	S, MX, 53
	1800	184T	131534.00	√	865	C184C17DB19	69	115/230	None	16.9	1.15	14.19	S, MX
	1800	184T	LM24680	C/A	888	SS184D4S3T1C6028	78	115/230	None	16.5	1.15	15.22	S, MX
	1800	184T	131561.00	√	1,023	P184C17DB21	76	115/230	Man.	16.9	1.15	14.19	S, MX
	1800	184T	131851.00	C/A	1,022	C184K17D0B40	72	208-230	Man.	13.7	1.15	15.22	S, MX, 53
	1800	184T	131530.00	√	1,023	U184C17DB20	69	115/230	Auto.	16.9	1.15	14.19	S, MX
5	3600	56H	116708.00	√	847	P6K34DB26	45	230	Man.	20.8	1.0	13.34	S, US, 53
	3600	184T	131616.00	√	1,093	C184K34DB3	84	208-230	None	22.0	1.15	14.69	S, MX, 53
	3600	184T	LM24681	C/A	1,121	SS184D2S5T1C6008	78	208-230	None	24.0	1.15	14.72	S, MX
	1800	184T	131537.00	√	1,038	C184K17DB31	83	208-230	None	21.0	1.15	14.69	S, MX, 53
	1800	184T	LM24682	√	1,060	SSD4S5T1B6008	87	208-230	None	21.0	1.15	15.72	S, MX, 53
	1800	184T	131560.00	√	1,038	C184K17DB32	82	208	None	23.2*	1.15	14.69	S, MX, 53
	1800	184T	131622.00	√	1,241	P184K17DB33	82	208-230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184T	132044.00	√	1,000	C184K34DB8	110	208-230	Tstat	31.0	1.15	16.69	S, MX, 53
	3600	213T	140680.00	√	1,689	C213K34DB1	112	208-230	None	29.5	1.15	16.55	S, MX, 53
	1800	215T	140155.00	√	1,474	C215K17DB2	113	230	None	36.0	1.15	17.26	S, MX, 53
	1800	215T	LM24683	√	1,556	SS15D4S7.5T1B6008	118	208-230	None	34.5	1.15	18.05	S, MX, 53
10	3600	215T	140681.00	√	2,135	C215K34DB1	135	208-230	None	37.0	1.15	18.05	S, MX, 53
	1800	215TZ	140311.00	√	2,155	C215K17DB4	140	230	None	43.0	1.25	19.76	S, MX, 53
	1800	215	LM24684	√	2,207	SSD4S10T1B6008	140	208-230	None	44.0	1.15	19.29	S, MX, 53

* F.L. Amps at 208V

▼ LM Numbers are Lincoln Models

C/A - Check Availability

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♥ Note listing on inside back flap

View On-line Technical Information

Single Phase ODP Motors

Wattsaver® Premium Efficiency Fan Motors

Features Include:

- Premium Efficient
- Class F insulation
- Terminal boards
- Shielded ball bearings

Single Phase – Drip-Proof – Resilant Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	% F. L. Eff.	"C" Dim. (Inches)	♥ Notes
1/4	1800	48	101602.00	√	392	A4K17DR7	19	115	Auto.	2.5	1.35	71.0	10.39	S, MX, 32, 53
1/3	1800	48	101405.00	√	464	A4K17DR5	19	115	Auto.	3.2	1.35	75.0	10.39	S, MX, 32, 53
1/2	1800	48	101585.00	√	530	A4K17DR6	25	115	Auto.	4.6	1.35	76.0	11.39	S, MX, 32, 53

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Single Phase ODP Motors

Compressor Duty Motors –
Compressor – Pump and Fan & Blower Duty

General Specifications:

Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads

Electrical Features:

- High efficient Class "F" copper windings
- High starting and breakdown torque
- Dual rotation

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1	3600	56	110160.00	√	430	M6C34DB6	27	115/230	Man.	6.7	SPEC	11.38	S, US
	1800	143T	120044.00	√	586	C143C17DB3	38	115/208-230	None	6.4	1.15	11.28	S, US
	1800	143T	LM24675	C/A	613	SSD4S1T1C602	33	115/208-230	None	6.4	1.15	11.49	S, US
	1800	143T	120003.00	√	616	M143C17DB2	33	115/208-230	Man.	6.4	1.15	11.13	S, US
1 1⁄2	3600	56	110161.00	√	471	P6C34DB7	33	115/230	Man.	10.0	SPEC	11.88	S, US
	1800	145T	120042.00	√	647	C145K17DB5	38	115/208-230	None	8.6	1.15	12.28	S, US, 53
	1800	145T	LM24687	C/A	678	SSD4S1.5T1C602	41	115/208-230	None	8.6	1.15	12.49	S, US
	1800	145T	120004.00	√	822	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	110232.00	√	492	M6C34DB11	33	115/230	Man.	11.0	SPEC	11.88	S, US
	1800	182T	131515.00	√	799	C182C17DB8	56	115/208-230	None	12.4	1.15	13.19	S, MX
	1800	182T	LM24678	C/A	826	SS182D4S2T1C6028	65	115/208-230	None	12.4	1.15	13.19	S, MX
	1800	182T	131536.00	√	855	P182C17DB10	63	115/208-230	Man.	8.8	1.15	10.66	S, MX
3	3600	56Y	110222.00	√	552	M6C34DB13	38	230	Man.	15.0	1.15	12.38	S, US, 36
	1800	184T	131534.00	√	865	C184C17DB19	69	115/230	None	16.9	1.15	14.19	S, MX
	1800	184T	LM24680	C/A	888	SS184D4S3T1C6028	78	115/208-230	None	16.9	1.15	14.19	S, MX
5SPL	3600	56	116523.00	√	665	P6K34DB22	35	208-230	Man.	15.0	1.0	11.44	S, US, 53
5	3600	56Y	111275.00	√	686	P6K34DB5	44	230	Man.	20.8	1.0	13.34	S, US, 36, 53
	3600	56Y	116789.00	√	706	P6K34DB27	45	230	Man.	20.8	1.0	12.38	S, US, 10, 53
	3600	145T	120554.00	√	694	P145K34DB1	46	230	Man.	20.8	1.0	13.12	S, US, 53
	1800	184T	131537.00	√	1038	C184K17DB31	83	230	None	21.0	1.15	14.69	S, MX, 53
	1800	184T	LM24682	√	1060	SSD4S5T1B600	87	208-230	None	21.0	1.15	14.69	S, MX, 53
	1800	184T	131622.00	√	1241	P184K17DB33	82	230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184T	132044.00	√	1000	C184K34DB8	110	208-230	Tstat	31.0	1.15	16.69	S, MX, 53
	3600	213T	140680.00	√	1689	C213K34DB1	112	208-230	None	29.5	1.15	16.55	S, MX, 53
	1800	215T	140155.00	√	1474	C215K17DB2	113	230	None	36.0	1.15	17.26	S, MX, 53
	1800	215T	LM24683	√	1556	SS215D4S7.5T1B600	118	208-230	None	36.0	1.15	17.26	S, MX, 53
10	3600	215T	140681.00	√	2135	C215K34DB1	135	208-230	None	37.0	1.15	18.05	S, MX, 53
	1800	215TZ	140311.00	√	2155	C215K17DB4	140	230	None	43.0	1.25	19.76	S, MX, 53
	1800	215TZ	LM24684	√	2207	SSD4S10T1B600	140	208-230	None	43.0	1.15	19.76	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Single Phase ODP Motors

Pressure Washer Pump Motors

General Specifications:

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages. Capacitor start, capacitor run construction for reduced amperage.

Mechanical Features:

- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:

- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection
- High service factor

Single Phase – Drip-Proof – Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
3/4	3600	S56	100053.00	√	420	M4C34DH3	24	115/208-230	Man.	4.9	1.25	10.49	S, MX
	1800	S56	101544.00	C/A	608	M4K17DH2	28	115/208-230	Man.	4.0	1.25	11.24	S, US, 53
1	3600	56	110097.00	√	435	M6C34DB3	27	115/208-230	Man.	6.0	1.25	10.84	S, US
	1800	56	113630.00	√	660	M6K17DB33	31	115/208-230	Man.	5.3	1.15	10.84	S, US, 53
1 1/2	3600	56	113631.00	√	577	M6K34DB15	36	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
	1800	56H	113266.00	√	769	M6K17DB30	42	115/208-230	Man.	6.7	1.15	12.38	S, US, 6, 53
	1800	145T	120004.00	√	822	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	113632.00	√	779	P6K34DB16	36	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
	1800	56H	116704.00	√	822	P6K17DB47	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
	1800	145T	120879.00	√	864	P145K17DB38	53	115/208-230	Man.	8.6	1.15	13.31	S, US
3	3600	56H	116706.00	√	828	M6C34DB75	39	230	Man.	15.0	1.0	12.38	S, US, 6, 53
	1800	184T	131851.00	C/A	1,022	184TBDR7675A	72	208-230	Man.	13.7	1.15	15.22	S, MX, 9
5	3600	56H	116708.00	√	847	P6K34DB26	45	230	Man.	20.8	1.0	13.34	S, US, 6, 53
	1800	184T	131622.00	√	1,241	P184K17DB33	82	208-230	Man.	21.0	1.15	14.69	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase ODP Motors

Resilient Base Motors – General Purpose or Fan Duty

General Specifications:

- Industrial quality resilient base
- Moderate starting torque
- Belt driven fans or fan on shaft applications
- Self ventilated designs

Drip-Proof – Single Phase – Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/4	3600	48	101434.00	√	301	A4C34DR8	16	115/208-230	Auto.	2.0	1.0	9.39	S, MX
	1800	48	100109.00	√	353	A4C17DR1	17	115/208-230	Auto.	2.7	1.35	9.89	S, MX
	1800	48	100111.00	√	305	A4C17DR3	17	115/208-230	Auto.	2.7	1.0	9.89	S, MX
	1800	48	102963.00	√	353	A4C17DR47	17	277	Auto.	2.2*	1.35	9.89	S, MX
1/3	3600	48	101431.00	√	309	A4C34DR11	17	115/208-230	Auto.	2.3	1.0	9.39	S, MX
	1800	48	100110.00	√	432	A4C17DR2	18	115/208-230	Auto.	3.3	1.35	9.89	S, MX
	1800	48	101015.00	√	353	A4C17DR31	18	115/208-230	Auto.	3.3	1.0	9.89	S, MX
	1800	S56	100014.00	√	407	C4C17DJ5	19	115/208-230	None	3.3	1.35	10.31	S, MX
	1800	S56	100010.00	√	432	A4C17DJ2	18	115/208-230	Auto.	3.3	1.35	10.31	S, MX
	1800	S56	100063.00	√	353	A4C17DJ9	19	115/208-230	Auto.	3.3	1.0	10.31	S, MX
	1800	S56	102964.00	√	432	A4C17DJ72	18	277	Auto.	2.8*	1.35	10.31	S, MX
1/2	3600	48	101432.00	√	341	A4C34DR10	20	115/208-230	Auto.	3.4	1.0	9.89	S, MX
	1800	S56	100015.00	√	439	C4C17DJ6	21	115/208-230	None	4.4	1.25	10.81	S, MX
	1800	S56	100045.00	√	420	M4C17DJ17	20	115/208-230	Man.	4.4	1.0	10.81	S, MX
	1800	S56	101611.00	√	465	A4C17DJ57	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX, 32
	1800	S56	100011.00	√	465	A4C17DJ3	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX
	1800	S56	100064.00	√	422	A4C17DJ10	20	115/208-230	Auto.	4.4	1.0	10.81	S, MX
	1800	S56	102965.00	√	465	A4C17DJ74	22	277	Auto.	3.7*	1.25	10.81	S, MX
3/4	3600	48	101433.00	√	402	A4C34DR9	22	115/208-230	Auto.	4.8	1.0	10.39	S, MX
	3600	S56H	100603.00	√	428	A4C34DJ7	26	115/208-230	Auto.	4.9	1.25	11.31	S, MX
	1800	S56H	100016.00	√	551	C4C17DJ7	26	115/208-230	None	5.4	1.25	11.81	S, MX
	1800	S56H	100046.00	√	575	M4C17DJ18	26	115/208-230	Man.	5.4	1.25	11.81	S, MX
	1800	S56H	100047.00	√	481	M4C17DJ19	25	115/208-230	Man.	5.5	1.0	11.81	S, MX
	1800	S56H	101839.00	√	575	A4C17DJ67	28	115/208-230	Auto.	5.4	1.25	11.81	S, MX, 32
	1800	S56H	100012.00	√	575	A4C17DJ4	26	115/208-230	Auto.	5.4	1.25	11.81	S, MX
	1800	S56H	100065.00	√	476	A4C17DJ11	25	115/208-230	Auto.	5.5	1.0	11.81	S, MX
	1800	S56H	102966.00	√	575	A4C17DJ73	26	277	Auto.	4.5*	1.25	11.81	S, MX
1	3600	56H	110478.00	√	494	A6C34DR6	28	115/208-230	Auto.	6.0	1.25	11.85	S, US
	1800	56H	113027.00	√	599	C6C17DR37	30	115/208-230	None	6.4	1.15	11.81	S, US
	1800	56H	110007.00	√	623	A6C17DR1	29	115/208-230	Auto.	6.4	1.15	11.81	S, US
	1800	56H	110054.00	√	609	A6C17DR2	32	115/208-230	Auto.	6.4	1.0	11.81	S, US
	1800	56H	116599.00	√	623	A6C17DR54	29	277	Auto.	5.4*	1.2	11.82	S, US
1 1/2	3600	56H	110479.00	√	635	A6C34DR7	30	115/230	Auto.	8.2	1.15	11.82	S, US
	1800	56H	110579.00	√	754	A6K17DR6	38	115/208-230	Auto	7.2	1.15	12.82	S, US, 6, 53
	1800	56H	116600.00	√	754	A6K17DR41	38	277	Auto	6.0*	1.15	12.82	S, US
2	3600	56H	113633.00	√	795	U6C34DR21	38	115/208-230	Auto.	10.0	1.15	13.82	S, US
	1800	56H	113608.00	√	803	A6K17DR28	45	115/208-230	Auto.	10.0	1.15	13.81	S, US, 6, 53
	1800	56H	116601.00	√	803	A6K17DR42	45	277	Auto.	8.7*	1.15	13.82	S, US

* F.L. Amps at 277V

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Single Phase TEFC Motors

Standard and Premium Efficiency –
General Purpose – 115/208-230 Volt
Rigid Mount – 1/12 HP – 10 HP – 42 through 215T frame
Resilient Mount – ½ HP – 1 HP – 56 frame



- Durable rolled steel construction
- NEMA Design B performance
- Meets or exceed NEMA service factors
- Double shielded ball bearings
- Continuous duty
- Thermally protected ratings
- 1-year warranty on general purpose motors
- 3-year warranty on Premium efficient motors
- UL recognized component listing and CSA certified

Applications:

For use where exposure to water, dust and dirt exists. Ideally suited for use on pumps, compressors, fans, conveyors and other industrial equipment.

Single Phase TEFC Motors

Capacitor Start – General Purpose

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/12	1800	42	092111.00	√	308	C42C17FB3	14	115/208-230	None	1.1	1.15	8.94	S, US
1/8	1800	42	092114.00	√	320	C42C17FB2	16	115/208-230	None	1.6	1.15	9.44	S, US
1/6	1800	42	092116.00	√	351	C42C17FB1	17	115/208-230	None	2.1	1.15	9.44	S, US
	1800	48	102012.00	√	348	C4C17FB23	17	115/208-230	None	2.0	1.15	9.06	S, MX
	1200	48	102013.00	√	494	C4C11FB3	23	115/208-230	None	1.9	1.15	10.31	S, MX
1/4	3600	42	092112.00	√	355	C42C34FB3	19	115/208-230	None	2.1	1.15	9.94	S, US
	1800	48	102014.00	√	341	C4C17FB21	20	115/208-230	None	2.7	1.15	9.06	S, MX
	1800	48	101446.00	√	393	M4C17FB10	18	115/208-230	Man.	2.7	1.15	9.06	S, MX
	1800	S56	LM24606	C/A	465	SRF4S0.25T1C6028	18	115/208-230	None	2.1	1.15	10.22	S, MX
	1200	48	102015.00	√	526	C4C11FB4	23	115/208-230	None	3.2	1.15	11.31	S, MX
	1200	56	114617.00	√	555	C6C11FB7	30	115/208-230	None	2.8	1.15	11.81	S, US
	1200	56	LM24545	C/A	580	SRF6S0.25T1C6028	25	115/208-230	None	3.4	1.15	11.82	S, MX
1/3	3600	48	102016.00	√	326	C4C34FB10	21	115/208-230	None	2.8	1.15	9.06	S, MX
	3600	S56	LM24705	C/A	339	SRF2S0.33T1C6028	19	115/208-230	None	2.8	1.15	9.06	S, MX
	1800	48	100955.00	√	378	C4C17FB3	19	115/208-230	None	3.3	1.15	9.56	S, MX
	1800	48	102018.00	√	434	M4C17FB22	20	115/208-230	Man.	3.3	1.15	9.56	S, MX
	1800	S56	102931.00	√	376	C4C17FH31	23	115/208-230	None	3.1	1.15	10.44	S, MX
	1800	56	LM24597	√	397	SRF4S0.33T1C6028	19	115/208-230	None	3.1	1.15	10.44	S, MX
	1800	S56	102933.00	√	430	M4C17FH33	23	115/208-230	Man.	3.1	1.15	10.44	S, MX
	1800	S56	LM24602	C/A	453	SRF3S0.33T1C6028TP1	20	115/208-230	Man.	3.0	1.15	10.47	S, MX
	1800	S56	102932.00	√	444	A4C17FH32	23	115/208-230	Auto.	3.1	1.15	10.44	S, MX
	1800	S56	LM24601	C/A	464	SRF4S0.33T1C6028TP2	19	115/208-230	Auto.	3.0	1.15	10.47	S, MX
	1800	56	113765.00	√	522	M6K17FB33	27	115/208-230	Man.	1.7	1.15	10.81	S, US, 53
	1200	48	102019.00	√	580	C4C11FB5	28	115/208-230	None	3.1	1.0	11.56	S, MX
	1200	56	110009.00	√	580	C6C11FB1	34	115/208-230	None	3.6	1.0	12.31	S, US
	1200	56	LM24546	√	608	SRF6S0.33T1C6028	28	115/208-230	None	3.9	1.15	12.32	S, MX
1/2	3600	48	102020.00	√	373	C4C34FB9	27	115/208-230	None	3.5	1.15	9.31	S, MX
	3600	S56	102905.00	√	371	C4C34FH8	22	115/208-230	None	3.5	1.15	9.94	S, MX
	3600	56	LM24706	C/A	389	SRF2S0.5T1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
	3600	S56	102904.00	√	397	M4C34FH7	25	115/208-230	Man.	3.5	1.15	9.94	S, MX
	3600	56	LM24743	√	416	SRF2S0.5T1C6028TP1	23	115/208-230	Man.	4.2	1.15	11.82	S, MX
	1800	48	100956.00	√	434	C4C17FB4	22	115/208-230	None	4.0	1.15	10.31	S, MX
	1800	S56	102906.00	√	430	C4C17FH28	22	115/208-230	None	4.0	1.15	10.69	S, MX
	1800	S56	LM24627	√	453	SRF4S0.5T1C6028	24	115/208-230	None	4.0	1.15	11.22	S, MX
	1800	S56	102909.00	√	503	M4C17FH30	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
	1800	S56	LM24604	C/A	532	SRF2S0.5T1C6028TP1	24	115/208-230	Man.	4.0	1.15	11.22	S, MX
	1800	S56	102908.00	√	516	A4C17FH29	25	115/208-230	Auto.	4.0	1.15	10.69	S, MX
	1800	S56	LM24603	C/A	541	SRF4S0.5T1C6038TP1	24	115/208-230	Auto.	4.0	1.15	11.22	S, MX
	1800	56	113766.00	√	580	M6K17FB34	30	115/208-230	Man.	2.5	1.15	11.31	S, US, 53
	1200	56	110011.00	√	825	C6C11FB2	38	115/208-230	None	4.9	1.0	12.81	S, US
	1200	56	LM24496	C/A	865	SRF6S0.5T1B6028	36	115/208-230	None	4.8	1.15	13.32	S, MX, 53

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

Continued On Next Page

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Single Phase TEFC Motors

Capacitor Start – General Purpose

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
3/4	3600	56	110276.00	√	416	C6C34FB15	26	115/208-230	None	5.0	1.15	11.31	S, US
	3600	56	LM24707	C/A	432	SRF2S0.75T1C6028	28	115/208-230	None	5.3	1.15	12.32	S, MX
	3600	56	110108.00	√	443	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
	3600	56	LM24744	√	461	SRF2S0.75T1C6028TP1	26	115/208-230	Man.	5.3	1.15	12.32	S, MX
	1800	56	110013.00	√	516	C6C17FB2	29	115/208-230	None	5.4	1.15	11.31	S, US
	1800	56	LM24607	√	538	SRF4S0.75T1C6028	30	115/208-230	None	5.5	1.15	12.32	S, MX
	1800	56	110022.00	√	602	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
	1800	56	LM24609	C/A	626	SRF4S0.75T1C6028TP1	30	115/208-230	Man.	5.5	1.15	12.32	S, MX
	1800	56	110017.00	√	629	A6C17FB4	26	115/208-230	Auto.	5.4	1.15	11.31	S, US
	1800	56	LM24608	C/A	659	SRF4S0.75T1C6028TP2	30	115/208-230	Auto.	5.5	1.15	12.32	S, MX
	1800	56	113767.00	√	684	M6K17FB35	35	115/208-230	Man.	3.2	1.15	11.81	S, US, 53
	1200	56H	110400.00	√	955	C6K11FB1	43	115/208-230	None	5.3	1.0	13.31	S, US, 53
	1200	56	LM24497	√	1000	SRF6S0.75T1B6028	41	115/208-230	None	5.7	1.15	13.82	S, MX, 53
1	3600	56	110059.00	√	485	C6C34FB5	28	115/208-230	None	6.0	1.15	11.81	S, US
	3600	56	LM24708	C/A	507	SRF2S1TC6028	30	115/208-230	None	6.2	1.15	12.32	S, MX
	3600	56	110142.00	√	542	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	3600	56	LM24745	√	570	SRF2S1T1C6028TP1	31	115/208-230	Man.	6.2	1.15	12.32	S, MX
	1800	56	110209.00	√	591	C6C17FB17	30	115/208-230	None	7.0	1.15	11.81	S, US
	1800	56	LM24610	√	621	SRF4SITIC6028	32	115/208-230	None	6.7	1.15	12.82	S, MX
	1800	56	110023.00	√	681	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
	1800	56	LM24612	C/A	713	SRF4S1T1C6028TP1	32	115/208-230	Man.	6.7	1.15	12.82	S, MX
	1800	56	110018.00	√	704	A6C17FB5	29	115/208-230	Auto.	6.4	1.15	12.31	S, US
	1800	56	LM24611	C/A	738	SRF4S1T1C6028TP2	32	115/208-230	Auto.	6.7	1.15	12.82	S, MX
	1800	56	113768.00	√	785	M6K17FB36	37	115/208-230	Man.	4.2	1.15	12.31	S, US, 53
	1800	143T	120025.00	√	652	C143C17FB3	34	115/208-230	None	6.4	1.15	12.75	S, US
	1800	143T	LM24709	C/A	683	SSF4S1T1C6028	34	115/208-230	None	6.7	1.15	12.87	S, MX
	1800	143T	120008.00	√	681	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
	1200	145T	120043.00	√	1093	C145K11FB1	49	115/230	None	6.7	1.0	14.25	S, US, 53
1 1/2	3600	56	110094.00	√	637	C6C34FB6	32	115/208-230	None	8.5	1.0	12.31	S, US
	3600	56H	LM24531	√	665	SRF2S1.5T1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX, 53
	3600	56	110109.00	√	746	M6C34FB8	31	115/208-230	Man.	8.5	1.0	12.31	S, US
	3600	56H	LM24532	√	780	SRF2S1.51B6028TP1	35	115/208-230	Man.	7.1	1.15	12.82	S, MX, 53
	3600	143T	120130.00	√	637	C143C34FB1	36	115/208-230	None	8.5	1.0	13.25	S, US
	3600	143T	LM24710	C/A	665	SRF4S1.5T1B6028	39	115/208-230	None	7.1	1.15	12.87	S, MX, 53
	1800	56H	110253.00	√	672	C6K17FB9	38	115/208-230	None	8.6	1.0	12.81	S, US, 53
	1800	56H	LM24513	√	702	SSF4S1,5T1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX, 53
	1800	56H	113333.00	√	771	M6K17FB32	38	115/208-230	Man.	8.6	1.0	12.81	S, US, 53
	1800	56H	LM24515	C/A	807	SRF3S1.5T1B6028TP1	41	115/208-230	Man.	7.6	1.15	13.82	S, MX, 53
	1800	56H	110019.00	√	837	U6K17FB1	38	115/208-230	Auto.	8.6	1.0	12.81	S, US, 53
	1800	56H	LM24514	C/A	877	SRF3S1.5T1B6028TP2	41	115/208-230	Auto.	7.6	1.15	13.82	S, MX, 53
	1800	56H	113769.00	√	892	M6K17FB37	43	115/208-231	Man.	6.5	1.15	13.31	S, US, 53
	1800	145T	120026.00	√	672	C145K17FB3	44	115/208-230	None	8.6	1.0	13.25	S, US, 53
	1800	145T	LM24711	C/A	702	SSF4S1.5T1B6028	42	115/208-230	None	7.6	1.15	13.87	S, MX, 53
	1800	145T	120009.00	√	771	M145K17FB2	42	115/208-230	Man.	8.6	1.0	13.25	S, US, 53
	1800	145T	LM24746	C/A	807	SSF4S1.5T1B6028TP1	43	115/208-230	Man.	7.6	1.15	13.87	S, MX, 53
	1200	184T	131526.00	√	1773	C184C11FB2	69	115/208-230	None	11.0	1.0	15.46	S, MX

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▼ LM Numbers are Lincoln Models

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View On-line Technical Information

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
2	3600	56H	110352.00	√	831	C6C34FB21	41	115/208-230	None	10.0	1.0	13.31	S, US
	3600	56H	LM24533	C/A	869	SRF2ST1B6028	40	115/208-230	None	9.0	1.15	13.32	S, MX, 53
	3600	56H	110402.00	√	871	P6C34FB23	41	115/208-230	Man.	10.0	1.0	13.31	S, US
	3600	56H	LM24534	C/A	914	SRF2S2T1B6028TP1	40	115/208-230	Man.	9.0	1.15	13.32	S, MX, 53
	3600	145T	120036.00	√	837	C145C34FB1	42	115/208-230	None	10.0	1.0	13.75	S, US
	3600	145T	LM24712	C/A	869	SRF2ST1B6028	54	115/208-230	None	9.0	1.15	13.37	S, MX, 53
	3600	145T	120395.00	√	880	P145C34FB5	44	115/208-230	Man.	10.0	1.0	13.75	S, US
	3600	145T	LM24747	C/A	914	SSF2S2T1B6028TP1	40	115/208-230	Man.	9.0	1.15	13.37	S, MX, 53
	1800	56HZ	113770.00	√	1227	M6K17FB38	49	115/208-230	Man.	8.2	1.15	14.25	S, US, 3, 53
	1800	145T	121507.00	√	1098	C145K17FB24	48	115/208-230	None	9.2	1.15	13.75	S, US, 53
	1800	145T	120867.00	√	1107	P145K17FB22	48	115/208-230	Man.	9.2	1.0	13.75	S, US, 53
	1800	182T	131509.00	√	963	C182C17FB11	65	115/208-230	None	12.4	1.0	14.46	S, MX
	1800	182T	LM24713	√	996	SS18F4S21B028	54	115/208-230	None	12.4	1.15	14.46	S, MX, 53
	1200	215T	140747.00	√	2630	C215K11FB3A	118	115/208-230	None	11.2	1.15	18.71	S, MX, 53
3	3600	56H	116705.00	√	908	P6K34FB31	53	208-230	Man.	14.0	1.0	13.81	S, US, 53
	3600	145T	LM24748	√	936	SS145F2S3T1B6028TP1	48	208-230	Man.	11.8	1.15	14.87	S, MX, 53
	3600	145T	120341.00	√	903	C145K34FB3	46	230	None	13.0	1.0	14.25	S, US, 53
	3600	145T	LM24714	√	936	SS14F2S3T1B6008	48	208-230	None	11.8	1.15	14.87	S, MX, 53
	3600	182T	131637.00	√	994	C182K34FB2	78	115/208-230	None	13.4	1.15	14.96	S, MX, 53
	3600	182T	LM24715	C/A	1017	SSF2S3T1B6028	69	115/208-230	None	12.3	1.00	16.15	S, MX, 53
	1800	184T	131533.00	√	1136	C184C17FB12	83	115/230	None	16.8	1.0	16.46	S, MX
	1800	184T	LM24716	C/A	1164	SS184F4S3T1C6028	99	115/208-230	None	16.8	1.00	16.46	S, MX
	1800	184T	131855.00	√	1227	P184K17FB26	88	230	Man.	13.6	1.15	14.96	S, MX, 53
5	3600	184T	131549.00	√	1375	C184K34FB6	93	230	None	19.8	1.15	16.96	S, MX, 53
	3600	184T	LM24717	C/A	1407	SSF2S5T1B6008	98	208-230	None	22.4	1.00	17.36	S, MX, 53
	3600	184T	132042.00	√	1533	P184K34FB9	103	230	Man.	19.8	1.15	16.97	S, MX, 53
	1800	184T	131538.00	√	1382	C184K17FB15	95	230	None	23.0	1.0	17.46	S, MX, 53
	1800	184T	LM24718	√	1389	SSF4S5T1B6008	98	208-230	None	21.7	1.00	17.46	S, MX, 53
	1800	184T	131856.00	√	1426	P184K17FB25	95	230	Man.	21.0	1.0	15.96	S, MX, 53
7 1/2	3600	213T	140684.00	√	1766	C213K34FB1	120	208-230	None	32.0	1.0	18.34	S, MX, 53
	3600	213T	LM24719	√	1903	DDF2S7.51B6008	120	208-230	None	32.0	1.00	18.73	S, MX, 53
	1800	215T	140120.00	√	1793	N215K17FB1	169	230	None	33.6	1.15	20.21	S, MX, 53
	1800	215T	LM24720	√	1837	SS215F4S7.5T1B6008	133	208-230	None	30.0	1.00	21.09	S, MX, 53
10	3600	215T	140685.00	√	2167	C215K34FB1	138	208-230	None	41.5	1.0	19.84	S, MX, 53
	3600	215T	LM24721	√	2335	SSF2S10T1B6008	138	208-230	None	41.5	1.00	20.23	S, MX, 53
	1800	215T	140581.00	√	2058	C215K17FB12	202	230	None	40.0	1.15	20.71	S, MX, 53
	1800	215T	LM24722	√	2384	SSF4S10T1B66	155	230	None	41.5	1.00	21.09	S, MX, 53

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▼ LM Numbers are Lincoln Models

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View On-line Technical Information

Single Phase TEFC Motors

Wattsaver e® Premium Efficiency Motors

Features:

- High starting torque
- Capacitor start / capacitor run designs for higher efficiency
- Reduced running amps
- Energy saving designs

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥ Notes
1/3	1800	56	113765.00	√	522	M6K17FB33	27	115/208-230	Man.	1.7	1.15	76	10.81	S, US
1/2	1800	56	113766.00	√	580	M6K17FB34	30	115/208-230	Man.	2.5	1.15	78	11.31	S, US
3/4	1800	56	113767.00	√	684	M6K17FB35	35	115/208-230	Man.	3.2	1.15	82	11.81	S, US
1	1800	56	113768.00	√	785	M6K17FB36	37	115/208-230	Man.	4.2	1.15	83	12.31	S, US
1 1/2	1800	56H	113769.00	√	892	M6K17FB37	43	115/208-230	Man.	6.5	1.15	84	13.31	S, US
2	1800	56HZ	113770.00	√	1227	M6K17FB38	49	230	Man.	8.2	1.15	85	14.25	S, US

Green items are Premium Efficient

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Single Phase TENV - General Purpose

Single Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/6	3600	42	092011.00	√	332	C42C34NB1	16	115/208-230	None	1.0	1.0	9.56	S, US
	1800	42	092012.00	C/A	352	C42C17NB1	21	115/208-230	None	1.8	1.0	10.56	S, US
1/4	3600	42	092013.00	C/A	356	C42C34NB2	21	115/208-230	None	1.7	1.0	10.56	S, US
	1800	48	100361.00	√	341	C4C17NB4	17	115/208-230	None	2.2	1.15	9.43	S, MX
	1800	S56	102914.00	√	345	C4C17NH9	24	115/208-230	None	2.3	1.15	9.81	S, MX
	1800	S56	102915.00	√	389	A4C17NH10	23	115/208-230	Auto.	2.3	1.15	9.81	S, MX
1/3	3600	48	100362.00	√	328	C4C34NB2	24	115/208-230	None	2.0	1.0	9.93	S, MX
	1800	S56	102912.00	√	378	C4C17NH7	25	115/208-230	None	2.6	1.15	10.81	S, MX
	1800	S56	102913.00	√	433	M4C17NH8	25	115/208-230	Man.	2.6	1.15	10.31	S, MX
	1800	S56	102911.00	√	429	A4C17NH6	24	115/208-230	Auto.	2.6	1.15	10.31	S, MX
1/2	3600	48	100366.00	√	376	C4C34NB3	27	115/208-230	None	2.9	1.0	10.43	S, MX

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♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Single Phase TEFC Motors

Pressure Washer Pump Motors - Resilient Base Motors

General Specifications:
Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:
- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:
- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
3/4	3600	56	110108.00	√	443	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
	1800	56	110022.00	√	602	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56	110142.00	√	542	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56	110023.00	√	681	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
	1800	143T	120008.00	√	681	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
1 1/2	3600	56	110109.00	√	746	M6C34FB8	31	115/208-230	Man.	8.5	1.0	12.31	S, US
	1800	56H	113333.00	√	771	M6K17FB32	38	115/208-230	Man.	8.6	1.0	12.81	S, US, 6, 53
	1800	145T	120009.00	√	771	M145K17FB2	42	115/208-230	Man.	8.6	1.0	13.25	S, US, 53
2	3600	56H	110402.00	√	871	P6C34FB23	41	115/208-230	Man.	10.0	1.0	13.31	S, US, 6, 53
	3600	145T	120395.00	√	880	P145C34FB5	44	115/208-230	Man.	10.0	1.0	13.75	S, US
	1800	145T	120867.00	√	1,107	P145K17FB22	48	115/208-230	Man.	9.2	1.0	13.75	S, US, 53
3	3600	56H	116705.00	√	908	P6K34FB31	53	230	Man.	14.0	1.0	13.81	S, US, 6, 53
	1800	184T	131855.00	√	1,227	P184K17FB26	88	230	Man.	13.7	1.15	16.86	S, MX, 53
5	3600	184T	132042.00	√	1,533	P184K34FB9	103	230	Man.	19.8	1.15	16.97	S, MX, 53
	1800	184T	131856.00	√	1,426	P184K17FB25	95	230	Man.	21.0	1.0	17.86	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Resilient Base Motors - Single Phase - General Purpose or Fan Duty

General Specifications:
- Industrial quality resilient base
- Moderate starting torque
- Belt driven fans or fan on shaft applications
- Capacitor start designs

Single Phase - TEFC • Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/2	1800	56	110025.00	√	527	A6C17FR1	26	115/208-230	Auto.	4.4	1.15	11.96	S, US
3/4	1800	56	110026.00	√	631	A6C17FR2	28	115/208-230	Auto.	5.4	1.15	12.46	S, US
1	1800	56H	111915.00	√	717	A6C17FR10	31	115/208-230	Auto.	6.4	1.15	12.96	S, US, 6

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♥ Note listing on inside back flap

View On-line Technical Information

Single Phase C Face Motors

General Purpose – Drip-Proof & Totally Enclosed -
115/208-230V – Rigid Mount and Round Body
1/6 HP – 10 HP – Frame sizes - 48 – 215T

- Durable rolled steel construction
- NEMA Design B performance
- Meets or exceed NEMA service factors
- Double shielded ball bearings
- Continuous duty
- Thermally protected ratings
- UL recognized component listing and CSA certified
- 1-year warranty on general purpose motors

Applications:

Same applications as used on our general purpose ODP and enclosed single phase motors, only having NEMA C Face mount, which allows direct mounting to a pump or gear reducer or other direct coupled equipment.

Single Phase - C Face Motors

Drip-Proof - Capacitor Start

General Purpose - C Face Less Base

Single Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	100023.00	√	344	C4C17DC7	17	115/208-230	None	2.7	1.35	9.24	S, MX
	1800	S56C	LM24569	C/A	352	SRD4S0.25TLCN1C6028	17	115/208-230	None	2.5	1.35	10.69	S, MX
	1800	S56C	101521.00	√	362	A4C17DC79	17	115/208-230	Auto.	2.7	1.35	9.24	S, MX
1/3	3600	S56C	100354.00	√	293	C4C34DC11	17	115/208-230	None	2.8	1.35	8.99	S, MX
	3600	S56C	LM24688	C/A	306	SRD2S0.33TLCN1C6028	16	115/208-230	None	2.2	1.15	10.19	S, MX
	3600	S56C	100355.00	√	308	A4C34DC12	17	115/208-230	Auto.	2.8	1.35	8.99	S, MX
	1800	S56C	100024.00	√	388	C4C17DC8	17	115/208-230	None	3.3	1.35	9.24	S, MX
	1800	S56C	LM24571	√	403	SRD4S0.33TLCN1C6028	17	115/208-230	None	3.2	1.35	10.69	S, MX
	1800	S56C	100018.00	√	419	M4C17DC2	18	115/208-230	Man.	3.3	1.35	9.24	S, MX
	1800	S56C	101522.00	√	410	A4C17DC81	17	115/208-230	Auto.	3.3	1.35	9.24	S, MX
1/2	3600	S56C	100356.00	√	308	C4C34DC13	19	115/208-230	None	3.4	1.25	9.99	S, MX
	3600	S56C	LM24689	C/A	321	SRD2S0.5TLCN1C6028	17	115/208-230	None	4.2	1.25	10.69	S, MX
	3600	S56C	100054.00	√	332	A4C34DC1	18	115/208-230	Auto.	3.4	1.25	9.99	S, MX
	1800	S56C	100025.00	√	440	C4C17DC9	19	115/208-230	None	4.4	1.25	9.99	S, MX
	1800	S56C	LM24555	C/A	461	SRDAS0.5TLCN1C6028	21	115/208-230	None	4.3	1.25	11.19	S, MX
	1800	S56C	100019.00	√	474	M4C17DC3	21	115/208-230	Man.	4.4	1.25	9.99	S, MX
	1800	S56C	100020.00	√	464	A4C17DC4	20	115/208-230	Auto.	4.4	1.25	9.99	S, MX
	1200	56C	110381.00	√	800	C6C11DC2	32	115/208-230	None	5.0	1.25	11.38	S, US
	1200	56C	LM24544	C/A	837	SRD6S0.5LCN1C6028	33	115/208-230	None	5.3	1.25	11.94	S, MX
3/4	3600	S56C	100357.00	√	397	C4C34DC14	24	115/208-230	None	4.9	1.25	10.49	S, MX
	3600	S56C	LM24690	C/A	416	SRD2S0.75TLCN1C6028	19	115/208-230	None	4.8	1.25	10.9	S, MX
	3600	S56C	100055.00	√	435	A4C34DC2	24	115/208-230	Auto.	4.9	1.25	10.49	S, MX
	1800	S56C	100026.00	√	531	C4C17DC10	24	115/208-230	None	5.4	1.25	10.99	S, MX
	1800	S56C	LM24505	√	557	SRD4S0.75TLCN1B6028	25	115/208-230	None	5.5	1.25	11.72	S, MX, 53
	1800	S56C	100021.00	√	572	M4C17DC5	24	115/208-230	Man.	5.4	1.25	10.99	S, MX
	1800	S56C	101523.00	√	567	A4C17DC80	26	115/208-230	Auto.	5.4	1.25	10.99	S, MX
	1200	56C	110382.00	√	890	C6C11DC3	46	115/208-230	None	6.4	1.15	12.88	S, US
	1200	56C	LM24691	C/A	935	SRD6S0.75TLCN1C6028	37	115/208-230	None	6.4	1.15	12.88	S, MX
1	3600	56C	110384.00	√	424	C6C34DC24	28	115/208-230	None	6.0	1.25	10.88	S, US
	3600	S56C	LM24526	C/A	440	SRD2S1TLCN1B6028	24	115/208-230	None	5.3	1.25	11.69	S, MX, 53
	3600	56C	113337.00	C/A	474	A6C34DC53	28	115/208-230	Auto.	6.0	1.25	10.84	S, US
	1800	56C	110220.00	√	564	C6C17DC3	30	115/208-230	None	6.4	1.15	10.88	S, US
	1800	56C	LM24586	C/A	588	SRD4S1TLCN1C6028	29	115/208-230	None	6.7	1.15	11.44	S, MX
	1800	56C	110036.00	√	594	M6C17DC1	27	115/208-230	Man.	6.4	1.15	10.88	S, US
	1800	143TC	121002.00	√	610	C143C17DC2	31	115/208-230	None	6.4	1.15	11.28	S, US
	1800	143TC	LM24692	C/A	639	SSD4S1TLCN1C6028	32	115/208-230	None	6.4	1.15	11.28	S, MX

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Specifications are subject to change without notice

View On-line Technical Information

Single Phase - C Face Motors

Drip-Proof - Capacitor Start
General Purpose - C Face Less Base

Single Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56C	110387.00	√	585	C6C34DC26	28	115/208-230	None	8.2	1.15	10.84	S, US
	3600	56C	LM24523	C/A	610	SRD2S1.5TLCN1B6028	26	115/208-230	None	8.2	1.15	10.84	S, MX, 53
	3600	56C	113336.00	√	619	A6C34DC52	28	115/208-230	Auto.	8.2	1.15	10.84	S, US
	1800	56C	110388.00	√	681	C6K17DC4	38	115/208-230	None	8.6	1.15	11.84	S, US, 53
	1800	56HC	LM24587	C/A	713	SRD4S1.5TLCN1C6028	39	115/208-230	None	9.0	1.15	12.44	S, MX
	1800	56C	110037.00	√	715	P6K17DC1	39	115/208-230	Man.	8.6	1.15	11.84	S, US, 53
2	3600	56C	110390.00	√	766	C6C34DC28	37	115/208-230	None	10.0	1.15	11.84	S, US
	3600	56HC	LM24527	C/A	799	SRD2S2TLCN1B6028	33	115/208-230	None	9.6	1.15	11.44	S, MX, 53
	3600	56C	113335.00	C/A	800	U6C34DC51	36	115/208-230	Auto.	10.0	1.15	11.84	S, US
	3600	145TC	121184.00	√	780	C145C34DC4	37	115/208-230	None	10.0	1.15	12.28	S, US
	3600	145TC	LM24693	C/A	807	SSD2S2TLCN1B6028	40	115/208-230	None	10.0	1.15	12.28	S, MX, 53
	1800	56C	LM24507	√	803	SRD4S2TLCN1B6028	48	115/208-230	None	10.5	1.15	13.44	S, MX, 53
	1800	145TC	120073.00	√	773	C145K17DC4	49	115/208-230	None	10.5	1.15	13.28	S, US, 53
	1800	145TC	LM24694	C/A	808	SSD4S2TLCN1B6028	50	115/208-230	None	10.5	1.15	13.49	S, MX, 53
3	3600	56C	113334.00	√	815	P6C34DC50	36	230	Auto.	15.0	1.0	11.84	S, US
	1800	184TC	131544.00	√	900	C184C17DC5	73	115/208-230	None	16.9	1.15	14.19	S, MX
	1800	184TC	LM24695	C/A	918	SS184D4S3TLCN1C6028	78	115/208-230	None	16.5	1.15	16.07	S, MX
5	3600	184TC	131777.00	√	1205	C184K34DC2	70	208-230	None	22.2	1.15	14.69	S, MX, 53
	1800	184TC	131539.00	√	1253	C184K17DC6	81	230	None	21.0	1.15	14.69	S, MX, 53
	1800	184TC	LM24696	C/A	1286	SSD4S5TLCN1B6008	94	208-230	None	21.0	1.15	16.46	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Single Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	S56C	103023.00	√	398	C4C17DK32	18	115/208-230	None	3.3	1.35	9.24	S, MX
	1800	S56C	103083.00	√	398	M4C17DK37	18	115/208-230	Man.	3.3	1.35	9.24	S, MX
1/2	3600	S56C	103024.00	√	361	C4C34DK10	20	115/208-230	None	3.4	1.25	9.99	S, MX
	1800	S56C	101651.00	√	481	C4C17DK18	21	115/208-230	None	4.4	1.25	9.99	S, MX
	1800	56C	LM24697	C/A	502	SRD4S0.5TLC1C6028	22	115/208-230	None	4.4	1.25	10.44	S, MX
	1800	S56C	103084.00	√	481	M4C17DK38	21	115/208-230	Man.	4.4	1.25	9.99	S, MX
3/4	3600	S56C	103025.00	√	424	C4C34DK11	24	115/208-230	None	4.9	1.25	10.49	S, MX
	1800	S56C	101650.00	√	557	C4C17DK19	27	115/208-230	None	5.4	1.25	10.99	S, MX
	1800	56C	LM24699	C/A	583	SRD4S0.75TLC1B6028	26	115/208-230	None	6.0	1.25	10.94	S, MX, 53
	1800	S56C	103086.00	√	557	M4C17DK39	27	115/208-230	Man.	5.4	1.25	10.99	S, MX
1	3600	56C	116769.00	√	449	C6C34DK6	28	115/208-230	None	6.0	1.25	10.84	S, US
	1800	56C	113930.00	√	637	C6C17DK11	34	115/208-230	None	6.4	1.15	10.88	S, US
	1800	56C	LM24700	C/A	665	SRD4S1TLC1C6028	30	115/208-230	None	6.7	1.15	11.44	S, MX
1 1/2	3600	56C	116770.00	C/A	604	C6K34DK19	35	115/208-230	None	6.2	1.15	11.34	S, US, 53
	3600	56C	114214.00	√	615	M6K34DK8	35	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
	1800	56HC	113932.00	√	687	C6K17DK16	39	115/208-230	None	8.6	1.15	11.84	S, US, 53
	1800	145TC	LM24701	C/A	711	SRD4S1.5TLC1C6028		115/208-230	None	7.2	1.15	11.84	S, MX
	1800	56HC	113700.00	√	812	M6K17DK15	38	115/208-230	Man.	7.2	1.15	11.84	S, US, 53
2	3600	56C	116771.00	√	768	C6K34DK20	35	115/208-230	None	8.6	1.15	11.34	S, US, 53
	3600	56C	114215.00	√	780	P6K34DK9	35	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
	1800	56HC	113281.00	√	841	P6K17DK12	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 53
	1800	145TC	120992.00	√	735	C145K17DK7	45	115/230	None	10.5	1.15	13.28	S, US, 53
	1800	145TC	LM24698	C/A	765	SSD4S2TLC1B6028		115/208-230	None	10.5	1.15	13.28	S, MX, 53
3	3600	56HC	116707.00	√	852	M6C34DK5	41	230	Man.	15.0	1.0	12.38	S, US
	3600	182TC	132083.00	√	959	C182K34DK2	74	115/208-230	None	14.0	1.15	14.18	S, MX, 53
	1800	184TC	131629.00	√	1023	P184C17DK3	70	115/208-230	Man.	16.9	1.15	14.19	S, MX
	1800	184TC	131853.00	√	1022	C184K17DK18	87	208-230	Man.	15.4	1.15	15.96	S, MX, 53
5	3600	56HC	116709.00	√	872	P6K34DK18	46	230	Man.	20.8	1.0	13.34	S, US, 53
	3600	184TC	131781.00	√	1209	C184K34DK4	70	208-230	None	22.2	1.15	14.19	S, MX, 53
	1800	184TC	131630.00	√	1257	M184K17DK13	77	208-230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184TC	132043.00	√	1254	C184K34DK8	112	208-230	Auto.	31.0	1.15	16.69	S, MX, 53
	1800	215TC	140806.00	√	1292	C215K17DB5	120	208-230	None	36.0	1.15	17.26	S, MX, 53

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Specifications are subject to change without notice

View On-line Technical Information

Single Phase - C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/6	1800	48CZ	102661.00	√	341	C4C17FC25	14	115/208-230	None	2.0	1.15	9.19	S, MX, 25
1/4	1800	48CZ	101765.00	√	389	C4C17FC10	18	115/208-230	None	2.7	1.15	9.19	S, MX, 25
	1800	S56C	102868.00	√	387	C4C17NC26	22	115/208-230	None	2.3	1.15	9.8	S, MX
	1800	S56C	LM24733	√	371	SRN4S0.25TLCN1C6028	18	115/208-230	None	2.1	1.0	9.94	S, MX
	1800	S56C	102866.00	√	387	C4C17FC34	18	115/208-230	None	2.7	1.15	9.44	S, MX
1/3	3600	S56C	102870.00	√	332	C4C34FC13	20	115/208-230	None	2.8	1.15	9.44	S, MX
	3600	S56C	102873.00	√	332	C4C34NC15	24	115/208-230	None	1.9	1.0	9.3	S, MX
	3600	S56C	LM24734	√	369	SRN2S0.33TLCN1C6028	20	115/208-230	None	2.2	1.15	10.19	S, MX
	1800	48CZ	102663.00	√	403	C4C17FC26	19	115/208-230	None	3.3	1.15	9.69	S, MX, 25
	1800	S56C	101766.00	√	419	C4C17FC9	22	115/208-230	None	3.3	1.15	9.94	S, MX
	1800	S56C	102867.00	√	416	C4C17NC25	23	115/208-230	None	2.6	1.15	10.3	S, MX
	1800	S56C	LM24598	√	403	SRF4S0.33TLCN1C6028	19	115/208-230	None	3.9	1.15	12.32	S, MX
	1800	S56C	102869.00	√	439	M4C17NC27	25	115/208-230	Man.	2.6	1.15	10.3	S, MX
	1200	56C	LM24735	√	616	SRF6S0.33TLCN1C6028	28	115/208-230	None	3.9	1.15	12.32	S, MX
1/2	3600	S56C	102864.00	√	374	C4C34FC12	22	115/208-230	None	3.5	1.15	9.94	S, MX
	3600	56C	LM24736	√	419	SRF2S0.5TLCN1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
	3600	S56C	102872.00	√	398	M4C34FC14	25	115/208-230	Man.	3.5	1.15	9.94	S, MX
	1800	48CZ	102665.00	√	470	C4C17FC27	22	115/208-230	None	4.0	1.0	10.44	S, MX, 25
	1800	S56C	102862.00	√	481	C4C17FC32	21	115/208-230	None	4.0	1.15	10.69	S, MX
	1800	56C	LM24599	√	478	SRF4S0.5TLCN1C6028	24	115/208-230	None	4.4	1.15	11.19	S, MX
	1800	S56C	102865.00	√	509	M4C17FC33	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
	1800	S56C	102871.00	√	502	A4C17FC35	24	115/208-230	Auto.	4.0	1.15	10.69	S, MX
	1200	56C	110411.00	√	848	C6C11FC1	37	115/208-230	None	4.9	1.0	12.81	S, US
	1200	S56C	LM24737	C/A	663	SRF6S0.5TLCN1B6028	36	115/208-230	None	5.1	1.15	13.32	S, MX
3/4	3600	56C	110413.00	√	439	C6C34FC8	26	115/208-230	None	5.0	1.15	11.31	S, US
	3600	56C	LM24738	√	439	SRF2S0.75TLCN1C5028	30	115/208-230	None	5.3	1.15	12.32	S, MX
	3600	56C	110412.00	√	456	M6C34FC7	28	115/208-230	Man.	5.0	1.15	11.31	S, US
	1800	56C	110057.00	√	572	C6C17FC6	25	115/208-230	None	5.4	1.15	11.31	S, US
	1800	56C	LM24613	√	510	SRF4S0.75TLCN1C6028	30	115/208-230	None	5.5	1.15	12.32	S, MX
	1800	56C	110040.00	√	603	M6C17FC2	26	115/208-230	Man.	5.4	1.15	11.31	S, US
	1800	56C	110308.00	√	594	A6C17FC8	28	115/208-230	Auto.	5.4	1.15	11.31	S, US
	1200	56C	110414.00	√	955	C6K11FC2	42	115/208-230	None	5.3	1.0	13.31	S, US, 53
	1200	56C	LM24739	√	695	SRF60.75TLCN1B6028	41	115/208-230	None	5.7	1.15	13.82	S, MX, 53

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♥ Note listing on inside back flap

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View On-line Technical Information

LEESON®

Single Phase - C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56C	110416.00	√	514	C6C34FC10	28	115/208-230	None	6.0	1.15	11.81	S, US
	3600	56C	LM24740	√	520	SRF2S1TLCN1C6028	31	115/208-230	None	6.2	1.15	12.32	S, MX
	3600	56C	110415.00	√	563	M6C34FC9	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56C	110058.00	√	659	C6C17FC7	33	115/208-230	None	6.4	1.15	11.81	S, US
	1800	56C	LM24614	√	545	SRF4S1TLCN1C6028	32	115/208-230	None	6.7	1.15	12.82	S, MX
	1800	56C	110041.00	√	688	M6C17FC3	29	115/208-230	Man.	6.4	1.15	11.81	S, US
	1800	143TC	121001.00	√	747	C143C17FC2	32	115/208-230	None	6.4	1.15	12.25	S, US
	1800	143TC	LM24741	C/A	545	SSF4S1TLCN1C6028	35	115/208-230	None	6.7	1.15	12.87	S, MX
1 1/2	3600	56C	110419.00	√	661	C6C34FC12	31	115/208-230	None	8.5	1.0	12.31	S, US
	3600	56C	LM24535	√	570	SRF2S1.5TLCN1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX, 53
	3600	56C	110418.00	√	693	M6C34FC11	31	115/208-230	Man.	8.5	1.0	12.31	S, US
	3600	143TC	120101.00	√	747	C143C34FC1	36	115/208-230	None	8.5	1.0	12.75	S, US
	1800	56C	110420.00	√	742	C6K17FC2	37	115/208-230	None	8.6	1.0	12.81	S, US, 53
	1800	56C	LM24622	√	578	SRF4S1.5TLCN1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX, 53
	1800	56C	110042.00	√	773	M6K17FC1	40	115/208-230	Man.	8.6	1.0	12.81	S, US
	1800	145TC	120017.00	√	845	C145K17FC3	40	115/208-230	None	8.6	1.0	13.75	S, US, 53
2	3600	56C	110422.00	√	841	C6C34FC14	40	115/208-230	None	10.0	1.0	13.31	S, US
	3600	56C	LM24530	√	650	SRF2S2TLCNB6038	40	115/208-230	None	9.0	1.15	13.32	S, MX, 53
	3600	56C	110421.00	√	871	P6C34FC13	41	115/208-230	Man.	10.0	1.0	13.31	S, US
	3600	145TC	120102.00	√	872	C145C34FC2	43	115/208-230	None	10.0	1.0	13.75	S, US
	1800	56C	112136.00	√	994	C6K17FC9	41	115/230	None	9.2	1.0	13.31	S, US, 53
	1800	145TC	120060.00	√	1017	P145K17FC2	45	115/230	Man.	10.0	1.0	14.25	S, US, 53
	1800	182TC	131516.00	√	1324	C182C17FC3	64	115/208-230	None	12.4	1.0	14.47	S, MX
3	3600	145TC	120824.00	√	976	P145K34FC6	56	230	Man.	13.0	1.0	14.25	S, US, 53
	3600	145TC	LM24742	C/A	742	SS145F2S3TLCN1B6008	48	115/208-230	None	11.8	1.15	14.87	S, MX, 53
	1800	184TC	131545.00	√	1560	C184C17FC4	82	115/208-230	None	16.8	1.0	16.47	S, MX
5	3600	184TC	131778.00	√	1566	C184K34FC2	81	208-230	None	19.8	1.15	16.97	S, MX, 53
	1800	184TC	131540.00	√	1625	C184K17FC6	104	230	None	23.0	1.0	17.47	S, MX, 53

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C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

LEESON

Single Phase C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	S56C	102916.00	√	396	C4C17FK4	22	115/208-230	None	2.7	1.15	9.69	S, MX
	1800	S56C	LM24723	√	415	SRF4S0.25TLC6028	17	115/208-230	None	2.1	1.15	10.19	S, MX
1/3	3600	S56C	102929.00	√	393	C4C34FK16	22	115/208-230	None	2.8	1.15	9.69	S, MX
	3600	56C	LM24724	C/A	410	SRF2S0.33TLC1C6028	21	115/208-230	None	3.5	1.15	11.82	S, MX
	1800	S56C	102930.00	√	420	C4C17FK6	24	115/208-230	None	3.1	1.15	10.44	S, MX
	1800	S56C	LM24600	√	440	SRF4S0.33TLC1C6028	23	115/208-230	None	3.0	1.15	10.44	S, MX
	1800	S56C	103082.00	√	420	M4C17FK7	24	115/208-230	Man.	3.1	1.15	10.31	S, MX
	1800	S56C	102910.00	√	420	C4C17NK2	25	115/208-230	None	2.6	1.15	10.31	S, MX
1/2	3600	S56C	102903.00	√	394	C4C34FK17	25	115/208-230	None	3.5	1.15	9.94	S, MX
	3600	56C	LM24725	√	416	SRF2S0.5TLC1C6028	23	115/208-230	None	4.2	1.15	11.82	S, MX
	1800	S56C	102907.00	√	505	C4C17FK5	22	115/208-230	None	4.0	1.15	10.69	S, MX
	1800	S56C	LM24628	√	533	SRF4S0.5TLC6028	24	115/208-230	None	4.0	1.15	11.19	S, MX
	1800	S56C	103085.00	√	505	M4C17FK8	22	115/208-230	Man.	4.0	1.15	10.69	S, MX
3/4	3600	56C	112135.00	√	449	C6C34FK36	26	115/208-230	None	5.0	1.15	11.31	S, US
	3600	56C	LM24726	√	469	SRF2S0.75TLC1C6028	30	115/208-230	None	5.3	1.15	12.32	S, MX
	1800	56C	110905.00	√	610	C6C17FK4	26	115/208-230	None	5.4	1.15	11.31	S, US
	1800	56C	LM24615	√	640	SRF2S0.75TLC1C6028	30	115/208-230	None	5.5	1.15	12.32	S, MX
	1800	56C	116922.00	√	610	M6C17FK86	26	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56C	110180.00	√	518	C6C34FK1	28	115/208-230	None	6.0	1.15	11.81	S, US
	3600	56C	LM24727	√	539	SRF2S1TLC1C6028	32	115/208-230	None	6.2	1.15	12.32	S, MX
	3600	56C	115877.00	√	518	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56C	110908.00	√	691	C6C17FK5	30	115/208-230	None	6.4	1.15	11.81	S, US
	1800	56C	LM24616	√	723	SRF4S1TLC6028	35	115/208-230	None	6.7	1.15	12.82	S, MX
	1800	56C	115879.00	√	691	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
	1800	143TC	121680.00	√	691	C143C17FK1	32	115/208-230	None	6.4	1.15	12.25	S, US
1 1/2	3600	56C	110909.00	√	671	C6C34FK19	34	115/208-230	None	8.5	1.0	12.31	S, US
	3600	56HC	LM24539	√	701	SRF2S1.5TLC1B6028	35	115/208-230	None	7.1	1.15	12.82	S, MX
	3600	56C	115024.00	√	704	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US
	1800	56HC	110910.00	√	821	C6K17FK2	39	115/208-230	None	8.6	1.0	12.81	S, US
	1800	56HC	LM24728	√	854	SRF2S1.5TLC1B6028	41	115/208-230	None	7.6	1.15	13.82	S, MX
	1800	56HC	116703.00	√	825	M6K17FK50	42	115/208-230	Man.	8.6	1.15	12.81	S, US
	1800	145TC	121681.00	√	821	C145K17FK13	40	115/208-230	None	8.6	1.0	13.75	S, US

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Continued On Next Page

View On-line Technical Information

LEESON®

Single Phase C Face Motors

Totally Enclosed - Capacitor Start - General Purpose

Single Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56HC	113931.00	√	879	C6C34FK52	46	115/208-230	None	10.0	1.0	13.31	S, US
	3600	56HC	LM24729	√	920	SRF2S2TLC1B6028	40	115/208-230	None	9.0	1.15	13.32	S, MX, 53
	3600	56HC	114995.00	√	838	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
	3600	56HC	115878.00	C/A	879	P6C34FK79	43	115/208-230	Man.	10.0	1.0	13.31	S, US
	3600	145TC	121008.00	√	879	C145C34FK2	43	115/208-230	None	10.0	1.0	13.75	S, US
	3600	145TC	LM24730	C/A	920	SSF2STLC1B6028	40	115/208-230	None	8.3	1.15	13.37	S, MX, 53
	1800	145TC	120274.00	√	1107	C145K17FK2	49	115/230	None	9.2	1.0	14.25	S, US, 53
	1800	145TC	LM24731		1159	SSF4S2TLC1B6028	52	115/230	None	9.5	1.15	14.87	S, MX, 53
	1800	145TC	121465.00	√	1107	P145K17FK10	44	115/208-230	Man.	9.2	1.0	13.75	S, US, 53
3	3600	145TC	121825.00	√	928	C145K34FK9	47	230	None	13.0	1.0	14.43	S, US, 53
	3600	145TC	LM29441	C/A	1023	SS145F2S3TLC1B6008TP1	48	208-230	None	11.8	1.15	14.87	S, MX, 53
	3600	56HC	115048.00	√	916	P6K34FK17	53	208-230	Man.	14.0	1.0	13.31	S, US, 53
	3600	145TC	121060.00	√	985	P145K34FK4	51	230	Man.	13.0	1.0	14.25	S, US, 53
	1800	184TC	131631.00	√	1564	P184C17FK9	84	115/208-230	Man.	16.8	1.0	16.47	S, MX
	1800	184TC	131857.00	√	1564	P14K17FK14	104	230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	131632.00	√	1572	P184K34FK2	103	230	Man.	19.8	1.15	16.97	S, MX, 53
	1800	184TC	131633.00	√	1638	P184K17FK11	86	230	Man.	23.0	1.0	16.97	S, MX, 53
7 1/2	3600	213TC	140694.00	√	1845	C213K34FK1	120	208-230	None	32.0	1.0	19.07	S, MX, 53
	1800	215TC	140807.00	√	1884	C215K17FK6	171	208-230	None	33.6	1.15	20.21	S, MX, 53
10	3600	215TC	140695.00	√	2202	C215K34FK1	138	208-230	None	41.5	1.0	20.57	S, MX, 53
	1800	215TC	140678.00	√	2132	C215K17FK4	152	230	None	40.0	1.15	20.71	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Single Phase - C Face Motors

Pressure Washer Pump Motors

Application Information:

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:

- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:

- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection
- High service factor

Single Phase - TEFC - C-Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	116485.00	C/A	616	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US, 57
1/2	1800	56C	116486.00	√	706	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US, 57
3/4	1800	56C	116487.00	√	822	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US, 57
1	3600	56C	115877.00	√	518	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56C	115879.00	√	691	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
1 1/2	3600	56C	115024.00	√	704	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US, 53
	1800	56HC	116703.00	√	825	M6K17FK50	39	115/208-230	Man.	8.6	1.15	12.81	S, US, 53
2	3600	56HC	114995.00	√	838	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
	1800	145TC	121465.00	√	1107	P145K17FK10	44	115/208-230	Man.	9.2	1.0	13.75	S, US, 53
3	3600	56HC	115048.00	√	916	P6K34FK17	53	115/208-230	Man.	14.0	1.0	13.81	S, US, 53
	1800	184TC	131857.00	√	1564	P14K17FK14	104	230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	131632.00	√	1572	P184K34FK2	103	230	Man.	19.8	1.15	16.97	S, MX, 53
	1800	184TC	131633.00	√	1638	P184K17FK11	989	230	Man.	23.0	1.0	16.97	S, MX, 53

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - Drip-Proof - C-Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	3600	56C	114214.00	√	615	M6K34DK8	35	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
	1800	56HC	113700.00	√	812	M6K17DK15	38	115/208-230	Man.	7.2	1.15	11.84	S, US, 6, 53
2	3600	56C	114215.00	√	780	P6K34DK9	45	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
	1800	56HC	113281.00	√	841	P6K17DK12	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
3	3600	56HC	116707.00	√	852	M6C34DK5	41	230	Man.	15.0	1.0	12.38	S, US, 6, 53
	1800	184TC	131853.00	√	1022	C184K17DK18	87	208-230	Man.	15.4	1.15	15.96	S, MX, 53
5	3600	56HC	116709.00	√	872	P6K34DK18	46	230	Man.	20.8	1.0	13.54	S, US, 6, 53
	1800	184TC	131630.00	√	1257	M184K17DK13	77	208-230	Man.	21.0	1.15	14.69	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON ®

Single Phase C Face Motors

Unit Handling Motors

Applications Include:

Unit and baggage handling, conveyors, packaging equipment machine tools, elevators and door openers where a conduit box at 12:00 position is needed due to mounting size restrictions

Features include:

- Low profile conduit box at the 12:00 position
- Base includes both 56H and 143-5T mounting holes and slots

Single Phase - TEFC - C Face With Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/2	1800	56C	117701.00	√	505	C6C17FK92	22	115/208-230	4.4	1.15	12.48	S, US
3/4	1800	56C	117702.00	√	550	C6C17FK94	26	115/208-230	5.4	1.15	12.98	S, US
1	1800	56C	117703.00	√	596	C6C17FK93	30	115/208-230	6.4	1.15	12.98	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEFC - Rigid C Face Less Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥ Notes
1/2	1800	56C	117704.00	√	485	C6C17FC175	21	115/208-230	4.4	1.15	10.98	S, US
3/4	1800	56C	117705.00	√	530	C6C17FC176	25	115/208-230	5.4	1.15	11.48	S, US
1	1800	56C	117706.00	√	570	C6C17FC177	29	115/208-230	6.4	1.15	11.48	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Three Phase - Cast Iron - Three Phase Motors

150 & 170 Series - Rigid Base - General Purpose

For reliable performance in heavy-duty industrial applications, nothing beats the LEESON Heavyweights. With their cast iron construction and 1.15 Service Factor, they are ideal for "tough to handle" applications.

But that's only part of the story. LEESON 150 and 170-series cast iron motors are extremely versatile and can be field converted in minutes to a number of different configurations, including:

- Severe Duty TEFC (using cast iron fan guard kit)
- F2 mounting 180 frame or larger (by re-assembly)
- C face with rigid base (from stock or using C face kit)
- D flange with base (using D flange kit)

UL recognized and CSA certified.

LEESON's Inverter Rated Insulation System (IRIS™) provides superior motor protection against voltage spikes induced by variable frequency drives. This *total insulation system* protects better than spike-resistant magnet wire alone. Specially formed phase insulation, cushioned and sleeved connections (from the leads all the way into the turns), and deep-penetrating, non-hygroscopic, high temperature varnish are just a few features contributing to the extra protection. All this plus second generation, spike-resistant magnet wire. The IRIS™ *total insulation system* is standard at no extra cost in all LEESON stock NEMA three-phase motors, 1 HP and larger.

Stainless steel "full fact" nameplate with information on motor efficiency and power factor. Includes wiring diagram, bearing sizes, and motor weight.

Heavy-duty cast iron frame, endbells and conduit box.

High torques for hard-to-start loads. Torques exceed NEMA performance standards.

Energy performance verified by LEESON's NVLAP-Certified testing laboratory.

Lubrication fittings on each end of motor (254T frame and larger). New Exxon POLYREX® EM lubricant for extended bearing life. Oversized bearings. Slotted-head pipe plug reliefs. Bearing caps protect against entry of grease into the motor.

Non-sparking fan. Small size reduces noise and enhances efficiency. Fan keyed to shaft.

100% copper-wound Inverter Rated Insulation System is double-dipped and baked. Stator press-fitted and pinned to housing.

1.15 Service Factor provides extra margin of power. Class F insulation system with Class B or lower temperature rise. Many suitable for 50 Hz operation at 1.0 service factor. Contact factory for details.

Dynamically balanced rotor assembly is keyed to shaft.

Cast iron endplates for maximum rigidity and long bearing life.

Steel fan cover for optimum strength. Cast iron cover available for severe service.

Internal caps on shaft-end and lead-end bearings 254T frame and larger. 182T through 215T frame motors with C-faces have locked bearing on the shaft end only. Motors are suitable for all mounting positions.

Neoprene shaft slinger protects bearings by repelling moisture and other contaminants. Internal protection against rust and corrosion.

Oversized cast iron conduit box is gasketed and may be rotated in 90˚ increments. NPT threaded entrance.

One-way, corrosion resistant condensate drains. (TEFC models) release condensation and moisture.

12-Lead Delta windings (254T to 405T frame and larger) for across-the-line or wye delta starts. (182T & 215T frame motors are dual voltage with nine leads. Motors above 405T frame are single voltage with six leads. 575V motors have six leads, except 213T-215T which have three leads) Permanently marked leads with lugs for easy connection. Normally-closed thermostat standard on WATTSAVERe® designs.

Cast iron mounting feet. Precision-machined for accurate alignment. Dual mounting provisions (six mounting holes) on 184T, 215T, 256T, 286T, 326T, 365T, 405T, 445T, 447T and 449T frames.

Three Phase - Wattsaver® Premium Efficiency Motors

General Purpose

The WATTSAVERe® line of premium efficiency motors is LEESON's unique IRIS™ voltage-spike-resistant insulation system is standard at no extra cost. WATTSAVERe® motors carry a three-year warranty in general purpose and inverter fed applications. These motors meet or exceed most utility rebate programs and the EPACT federally mandated efficiency levels. The efficiency ratings have been verified to IEEE 112B test standards by LEESON's NVLAP-Certified lab.

Cast iron 170 series motors can be field modified for forced ventilation service to extend the inverter-fed operating range and an encoder package is stocked for closed-loop vector inverter systems. These motors can be converted to IEEE841 compliant using the Custom PDQ Program. Contact LEESON.

Rugged cast iron construction on three phase, 1-350 HP models. These motors share features with normal efficiency 150 Series motors detailed on page 18. Add an optional cast iron fan guard for severe duty applications.

Efficiencies meet or exceed NEMA Premium on all WATTSAVERe® motors.

Both 3/4 and full load efficiencies are listed on the stainless steel nameplate for your convenience in calculating realistic energy savings. Unique serial number identifies each motor and is stamped clearly on the metal nameplate.

Independently verified efficiencies by the Canadian Standards Association, an internationally recognized testing laboratory. CSA Report Number EEV78720-1.

Three phase models suitable for inverter duty, as well as both 50 Hz and 60 Hz operation.

Premium efficiency motors finished with primer and chemical resistant green acrylic matte enamel. IP44 enclosure protection.

Modification to meet IEEE 841 available through Custom PDQ. (See page 114). Includes addition of watertight Inpro shaft seals, two-part epoxy finish, and plated hardware.

Meets or exceeds the 1997 mandated efficiency standards of the Energy Policy Act of 1992. Also meets or exceeds efficiency requirements of most electric utility rebate programs.

WATTSAVERe® motors comply with EISA 2007

One-way, corrosion resistant condensate drains. (TEFC models) release condensation and moisture.

Second-generation, high temperature, spike-resistant magnet wire for extended motor life. Stator impregnated with extra-heavy varnish system. 1.25 Service Factor. All WATTSAVERe® motors have Class F insulation with a Class B rise. Motors rated at 40 degrees C ambient.

LEESON's Inverter Rated Insulation System (IRIS™) provides superior protection against voltage spikes induced by variable frequency drives. This protects better than spike-resistant magnet wire alone. Specially formed phase insulation, cushioned and sleeved connections (from the leads all the way into the turns), and deep-penetrating, non-hygroscopic, high temperature varnish are just a few features contributing to extra protection. All this plus second generation spike-resistant magnet wire.The IRIS™ is standard at no extra cost in all LEESON stock NEMA three-phase motors, 1 HP and larger.

UL and CSA Recognition

Three Phase ODP Motors

General Purpose – Drip-Proof –
208-230/460V & 460V Rigid Mount – ¼ HP – 500 HP



- Standard, EPACT and Premium efficient ratings
- Inverter-rated
- Nameplated for 50 Hz operation
- 1-year warranty on Standard efficient motors
- 2-year warranty on EPACT efficient motors
- 3-year warranty on Premium efficient motors
- Class B insulation systems, Class F 140 frame and higher
- Shielded ball bearings for direct coupled applications
  Contact your local sales office for belted load applications
- Rolled steel and cast iron designs
- UL recognized and CSA certified

NEMA Premium®

Applications:

For use where water and dust exposure is minimal. Ideally suited for use on pumps, compressors, blowers, fans and other standard industrial applications.

LEESON®

NEMA Premium

Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/4	1800	S56	100027.00	√	303	C4T17DH1	16	208-230/460	1.4	58.0	1.0	9.2	2 : 1	S, MX
	1800	48	LM24866	C/A	315	SPD4S0.25T61	19	230/460	1.3	62.0	1.35	9.3	2 : 1	S, US
1/3	3600	48	101447.00	√	308	C4T34DB3	14	208-230/460	1.4	68.0	1.35	9.0	2 : 1	S, US
	3600	56	LM24867	C/A	321	SRD2S0.33T61	19	230/460	1.4	66.0	1.35	10.0	2 : 1	S, MX
	1800	48	100446.00	√	326	C4T17DB2	17	208-230/460	1.6	64.3	1.35	9.1	2 : 1	S, MX
	1800	S56	100028.00	√	320	C4T17DH2	18	208-230/460	1.6	64.3	1.35	9.5	2 : 1	S, MX
	1800	S56	LM24152	√	339	SRD4S0.33T61	15	230/460	1.6	67.0	1.35	11.0	2 : 1	S, MX
	1800	S56	103017.00	√	428	C4T17DH39	23	208-230/460	1.3	77.0	1.25	10.2	2 : 1	S, MX
	1200	56	110425.00	√	518	C6T11DB3	23	208-230/460	1.6	65.0	1.15	9.9	2 : 1	S, US
	1200	56	LM24868	C/A	539	SRD6S0.33T61	22	230/460	1.6	62.0	1.35	10.0	2 : 1	S, MX
1/2	3600	S56	101448.00	√	326	C4T34DH7	17	208-230/460	1.8	69.0	1.25	9.4	2 : 1	S, US
	3600	56	LM24869	C/A	339	SRD2S0.5T61	22	230/460	2.2	66.0	1.25	10.4	2 : 1	S, US
	1800	S56	100029.00	√	365	C4T17DH3	20	208-230/460	2.0	68.0	1.25	10.0	2 : 1	S, MX
	1800	56	LM24098	√	391	SRD4S0.5T61	17	230/460	2.2	70.0	1.25	10.5	2 : 1	S, MX
	1800	S56	103018.00	√	459	C4T17DH40	26	208-230/460	1.8	77.0	1.25	10.7	2 : 1	S, MX
	1200	56	110027.00	√	570	C6T11DB1	22	208-230/460	2.8	66.0	1.15	10.4	2 : 1	S, US
	1200	56	LM24146	C/A	594	SRD6S0.5T61	22	230/460	3.0	68.0	1.25	10.4	2 : 1	S, MX
3/4	3600	S56	101449.00	√	387	C4T34DH8	20	208-230/460	2.4	79.0	1.25	9.9	2 : 1	S, US
	3600	56	LM24870	√	400	SRD2S0.75T61	21	230/460	3.2	74.0	1.25	10.4	2 : 1	S, US
	1800	S56	100030.00	√	408	C4T17DH4	24	208-230/460	2.8	75.0	1.25	10.5	2 : 1	S, MX
	1800	S56	LM24099	√	433	SRD4S0.75T61	20	230/460	2.8	75.5	1.25	11.0	2 : 1	S, MX
	1800	56	116738.00	√	465	C6T17DB95	30	208-230/460	2.4	81.5	1.25	10.9	2 : 1	S, US
	1200	56	110028.00	√	616	C6T11DB2	17	208-230/460	3.4	75.5	1.15	10.9	2 : 1	S, US
	1200	56	LM24162	C/A	644	SRD6S0.75T61	26	230/460	3.2	76.5	1.15	10.9	2 : 1	S, US
1	3600	56	110426.00	√	443	C6T34DB1	22	208-230/460	3.2	77.0	1.25	9.8	2 : 1	S, US
	3600	56	LM24155	√	464	SRD2S1T61	24	230/460	3.7	74.0	1.25	10.4	2 : 1	S, US
	3600	56	116128.00	C/A	560	C6T34DB30	24	208-230/460	2.8	80.0	1.25	10.2	2 : 1	S, US
	1800	56	110029.00	√	460	C6T17DB1	22	208-230/460	4.2	78.5	1.15	10.4	2 : 1	S, US
	1800	S56	LM24111	√	450	SRD4S1T61	22	230/460	3.4	76.5	1.15	10.5	2 : 1	S, MX
	1800	56HZ	115827.00	√	440	C6T17DB77	24	208-230/460	4.2	78.5	1.15	11.1	2 : 1	S, US, 5
	1800	56	116752.00	√	639	C6T17DB92	36	208-230/460	3.2	85.5	1.25	11.7	2 : 1	S, US
	1800	143T	121003.00	√	639	C143T17DB10	36	208-230/460	3.2	85.5	1.25	12.1	2 : 1	S, US
	1800	143T	LM24871	√	527	SSD4B1T61	35	230/460	3.2	85.5	1.15	12.0	2 : 1	S, MX
	1200	145T	121517.00	√	744	C145T11DB7	41	208-230/460	3.8	82.5	1.25	12.6	2 : 1	S, US
	1200	56H	LM24872	C/A	613	SRD6S1T61	29	230/460	4.2	75.5	1.15	11.4	2 : 1	S, US, 6
	1200	145T	LM32726	C/A	745	SSDB1T61	48	230/460	4.2	82.5	1.25	12.0	2 : 1	S, US
	900	182T	LM33126	C/A	929	SSD8PIT61	55	230/460	– –	74.0	1.15		2 : 1	S, MX

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

LEESON

Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1 1/2	3600	56	110429.00	√	496	C6T34DB2	29	208-230/460	4.2	81.5	1.15	10.8	2 : 1	S, US
	3600	56	116753.00	√	624	C6T34DB31	36	208-230/460	4.0	84.0	1.25	11.8	2 : 1	S, US
	3600	143T	121514.00	√	624	C143T34DB4	36	208-230/460	4.0	84.0	1.25	12.3	10 : 1	S, US
	3600	182T	LM32727	C/A	626	SSD2B1.5T61	28	230/460	– –	84.0	1.25	– –	10 : 1	S, MX
	1800	56	110430.00	√	531	C6T17DB7	27	208-230/460	5.6	78.5	1.15	10.9	2 : 1	S, US
	1800	56H	LM24117	√	478	SRD4S1.5T61	28	230/460	4.8	80.0	1.15	10.9	2 : 1	S, MX, 6
	1800	56	111309.00	C/A	587	A6T17DB26E	33	208-230/460	5.6	78.5	1.15	10.9	2 : 1	S, US
	1800	56HZ	115825.00	√	470	C6T17DB79	34	208-230/460	5.6	78.5	1.15	11.1	2 : 1	S, US, 5
	1800	56	116754.00	√	667	C6T17DB91	35	208-230/460	4.8	86.5	1.25	12.2	10 : 1	S, US
	1800	145T	121004.00	√	667	C145T17DB32	35	208-230/460	4.8	86.5	1.25	12.6	10 : 1	S, US
	1800	145T	LM24875	√	551	SSD4B1.5T61	45	230/460	5.0	85.5	1.15	13.0	10 : 1	S, MX
	1200	182T	131971.00	√	876	C182T11DB9	82	208-230/460	5.6	86.5	1.15	14.7	10 : 1	S, MX
	900	184T	LM32728	C/A	1128	SSD8P1.5T61	88	230/460	– –	75.5	1.15	– –	2 : 1	S, MX
2	3600	56	113292.00	√	584	C6T34DB16	33	208-230/460	5.6	82.5	1.15	11.3	2 : 1	S, US
	3600	56	116755.00	√	735	C6T34DB32	–	208-230/460	4.8	82.5	1.25	12.2	10 : 1	S, US
	3600	56H	LM24877	√	608	SRD2S2T61	25	230/460	6.2	80.0	1.15	10.4	2 : 1	S, US, 6
	3600	145T	121515.00	√	735	C145T34DB15	43	208-230/460	4.8	85.5	1.25	12.6	10 : 1	S, US
	3600	145T	LM33137	C/A	739	SSD2BT61	28	230/460	6.4	85.5	1.25	13.0	10 : 1	S, US
	1800	56H	113025.00	√	555	C6T17DB40	32	208-230/460	6.2	78.5	1.15	11.4	2 : 1	S, MX, 6
	1800	56H	LM24106	√	515	SRD4S2T61	36	230/460	6.8	81.5	1.15	11.9	2 : 1	S, MX, 47
	1800	56HZ	115826.00	√	505	C6T17DB78	33	208-230/460	6.2	78.5	1.15	11.6	2 : 1	S, US, 5
	1800	56H	111310.00	√	677	A6T17DB27	36	208-230/460	6.2	78.7	1.15	11.4	2 : 1	S, US, 6, 33
	1800	56H	116756.00	√	755	C6T17DB96	37	208-230/460	5.8	86.5	1.25	13.2	10 : 1	S, US, 6
	1800	145T	121005.00	√	755	C145T17DB33	37	208-230/460	5.8	86.5	1.25	13.6	10 : 1	S, US
	1800	145T	LM24169	√	610	SSD4BT61	48	230/460	6.0	86.5	1.25	13.0	10 : 1	S, MX
	1200	184T	131972.00	√	890	C184T11DB9	88	208-230/460	7.2	87.5	1.15	15.2	10 : 1	S, MX
	900	213T	LM32730	C/A	1482	SSD8P2T61	115	230/460	9.0	85.5	1.15	17.3	2 : 1	S, MX
3	3600	56H	113293.00	√	602	C6T34DB17	38	208-230/460	7.6	84.0	1.15	11.8	2 : 1	S, US, 6
	3600	56H	LM24878	C/A	580	SRD2S3T161	33	230/460	8.2	84.0	1.15	11.4	10 : 1	S, US, 6
	3600	145T	121516.00	√	744	C145T34DB16	45	208-230/460	7.2	86.5	1.25	12.6	10 : 1	S, US
	3600	145T	LM32731	√	677	SSD2B3T61	33	230/460	7.2	85.5	1.25	12.7	10 : 1	S, US
	1800	56HZ	116595.00	√	602	C6T17DB90	44	208-230/460	8.6	82.5	1.15	13.1	2 : 1	S, US, 5
	1800	182T	131519.00	√	773	C182T17DB37	75	208-230/460	7.9	89.5	1.25	13.7	10 : 1	S, MX
	1800	182T	LM24222	C/A	796	SSD4B3T61	56	230/460	8.0	89.5	1.25	13.2	10 : 1	S, MX
	1200	213T	171574.60	√	1155	C213T11DB2	154	208-230/460	10.0	88.5	1.25	16.4	10 : 1	C, CN
	1200	213T	LM32733	C/A	1222	SSD6B3T61	104	230/460	9.0	88.5	1.25	17.3	10 : 1	S, US
	900	254T	LM32688	C/A	1763	SSD8P3T61	134	230/460	10.0	86.5	1.15	18.5	2 : 1	S, US

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LEESON

Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
5	3600	184T	131986.00	√	816	C184T34DB11	86	208-230/460	12.0	86.5	1.15	15.2	10 : 1	S, MX
	3600	182T	LM32734	C/A	725	SSD2B5T61	88	230/460	12.0	86.5	1.25	15.2	10 : 1	S, MX
	1800	184T	131520.00	√	871	C184T17DB44	86	208-230/460	12.8	89.5	1.25	15.2	10 : 1	S, MX
	1800	184T	LM24202	√	892	SSD4BT61	91	230/460	12.6	89.5	1.25	15.2	10 : 1	S, MX
	1200	215T	171575.60	√	1461	C215T11DB6	188	208-230/460	15.0	90.2	1.25	16.4	10 : 1	C, CN
	1200	215T	LM32735	C/A	1329	SSD6B5T61	135	230/460	17.0	87.5	1.25	18.5	10 : 1	S, MX
	900	254T	LM32736	C/A	2437	SSD8P5T61	175	230/460	– –	87.5	1.15	– –	2 : 1	S, US
7 1/2	3600	184T	131988.00	√	1180	C184T34DB12	106	208-230/460	17.6	88.5	1.15	16.2	10 : 1	S, MX
	3600	184T	LM32737	C/A	1028	SSD2B7.5T61	88	230/460	17.6	88.5	1.15	16.2	10 : 1	S, MX
	1800	213T	140470.00	√	1093	C213T17DB2	133	208-230/460	20.6	91.0	1.25	16.3	10 : 1	S, MX
	1800	213T	LM24194	√	1256	SSD4B7.5T61	121	230/460	19.2	91.0	1.25	18.5	10 : 1	S, US
	1800	213T	170142.60	√	1159	C213T17DB44	160	208-230/460	19.8	91.0	1.25	16.4	10 : 1	C, CN
	1800	254T	LM32738	C/A	1641	SSD6B7.5T61	150	230/460	22.4	90.2	1.25	21.0	10 : 1	S, US
	1200	256T	LM33314	C/A	3102	CCD8P7.5T61	281	230/460	22.0	88.5	1.15	24.6	2 : 1	S, US
	1200	254T	170145.60	√	1830	C254T11DB43	291	208-230/460	22.4	91.7	1.25	20.94	10 : 1	C, CN
10	3600	213T	140753.00	√	1243	C213T34DB4	160	208-230/460	23.4	89.5	1.15	17.3	10 : 1	S, MX
	3600	213T	LM32740	C/A	1314	SSD2B10T61	138	230/460	24.0	89.5	1.25	18.0	10 : 1	S, US
	3600	213T	170143.60	√	1323	C213T34DB45	150	208-230/460	23.6	91.0	1.15	16.4	10 : 1	C, CN
	1800	215T	140472.00	√	1291	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.3	10 : 1	S, MX
	1800	215T	LM24193	√	1403	SSDB10T61	155	230/460	25.0	91.7	1.25	18.5	10 : 1	S, US
	1800	215T	170144.60	√	1367	C215T17DB49	200	208-230/460	25.6	91.7	1.25	17.9	10 : 1	C, CN
	1200	256T	170146.60	√	2280	C256T11DB45	305	208-230/460	29.6	91.7	1.25	22.6	10 : 1	C, CN
	1200	256T	LM33555		2450	CCD6B10T61	310	230/460	29.6	91.7	1.25	24.2	10 : 1	S, US
15	3600	215T	140754.00	√	1652	C215T34DB4	170	208-230/460	35.0	91.0	1.15	18.6	10 : 1	S, MX
	3600	215T	LM32743	√	1756	SSD2B15T61	135	230/460	35.0	90.2	1.25	18.5	10 : 1	S, US
	3600	215T	170064.60	√	1777	C215T34DB3	175	208-230/460	34.6	91.0	1.25	17.9	10 : 1	C, CN
	1800	254T	170065.60	√	1821	C254T17DB9	279	208-230/460	37.0	93.0	1.25	20.9	10 : 1	C, CN
	1800	254T	LM24190	√	2526	CCD4B15T61	300	230/460	37.0	93.0	1.25	22.9	10 : 1	C, US
	1200	284T	LM31244	C/A	3159	CCD6B15T61Y	420	230/460	41.0	91.7	1.25	24.9	10 : 1	C, US
	1200	284T	170067.60	√	3002	C284T11DB7	414	208-230/460	39.4	92.4	1.15	23.5	10 : 1	S, CN
20	3600	254T	170032.60	√	2232	C254T34DB5	275	208-230/460	46.0	93.0	1.25	20.9	10 : 1	C, CN
	3600	254T	LM33315	C/A	2211	CCD2B20T61	296	230/460	46.0	91.7	1.25	22.9	10 : 1	S, US
	1800	256T	170006.60	√	2224	C256T17DB5	324	208-230/460	51.0	93.0	1.25	22.6	10 : 1	C, CN
	1800	256T	LM24199	√	2415	CCD4B20T61	350	230/460	48.0	93.0	1.25	24.4	10 : 1	C, US
	1800	286T	LM32746	√	2294	SSD4B20T61	233	230/460	48.0	93.0	1.25	25.2	10 : 1	S, US
	1200	286T	LM30273	√	3795	CCD6B20T61Y	462	230/460	52.0	92.4	1.25	26.8	10 : 1	C, US
	1200	286T	170000.60	√	3657	C286T11DB1	467	208-230/460	55.0	92.4	1.25	25.00	10 : 1	C, CN

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Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
25	3600	256T	170034.60	√	2770	C256T34DB5	327	208-230/460	52.4	93.0	1.25	22.6	10 : 1	C, CN
	3600	256T	LM33309	C/A	2693	CCD2B25T61	310	230/460	58.0	92.4	1.25	24.4	10 : 1	S, US
	1800	284T	170009.60	√	2770	C284T17DB7	404	208-230/460	59.6	93.6	1.25	23.5	10 : 1	C, CN
	1800	284T	LM29576	√	3083	CCD4B25T61Y	350	230/460	64.0	93.6	1.25	24.9	10 : 1	C, US
	1800	284TS	LM32748	C/A	3083	CCD4B25TS61Y	348	230/460	64.0	93.6	1.25	23.6	10 : 1	C, US
	1200	324T	LM13809	C/A	5031	SD6B25T61Y	469	230/460	64.0	93.0	1.25	25.8	10 : 1	S, US
	1200	324T	170002.60	√	4355	C324T11DB5	670	208-230/460	67.0	93.0	1.25	26.02	10 : 1	C, CN
30	3600	284TS	170036.60	√	3216	C284T34DB4	396	208-230/460	67.0	94.1	1.25	22.2	10 : 1	C, CN
	3600	284TS	LM13966	C/A	5973	SD2B30TS61Y	348	230/460	68.0	93.0	1.25	21.8	10 : 1	S, US
	3600	284T	LM32687	C/A	5973	SD2B30T61Y	348	230/460	67.0	91.7	1.25	23.0	10 : 1	S, US
	1800	286T	170013.60	√	3002	C286T17DB8	471	208-230/460	71.0	94.1	1.25	25.0	10 : 1	C, CN
	1800	286T	LM29577	√	3573	CCD4B30T61Y	400	230/460	74.0	94.1	1.25	26.8	10 : 1	C, US
	1800	286TS	LM32749	C/A	3573	CCD4B39TS61Y	400	230/460	73.0	94.1	1.25	25.4	10 : 1	C, US
	1200	326T	170004.60	√	4542	C326T11DB1	760	208-230/460	78.0	93.6	1.15	27.5	10 : 1	C, CN
	1200	326T	LM13810	C/A	6990	SD6B30T61Y	522	230/460	78.0	93.6	1.25	27.5	10 : 1	S, US
40	3600	286TS	170038.60	√	4233	C286T34DB3	441	208-230/460	91.2	93.6	1.15	23.6	10 : 1	C, CN
	3600	286TS	LM13969	C/A	6328	SD2B40TS61Y	389	230/460	90.0	93.6	1.25	23.3	10 : 1	S, US
	3600	286T	LM32750	√	6328	SD2B40T61Y	389	230/460	90.0	92.4	1.25	24.5	10 : 1	S, US
	1800	324T	170017.60	√	3956	C324T17DB8	560	208-230/460	96.0	94.1	1.25	26.0	10 : 1	C, CN
	1800	324T	LM13811	√	5925	SD4B40T61Y	469	230/460	104.0	94.1	1.25	25.8	10 : 1	S, US
	1800	324TS	LM32751	C/A	5925	SD4B40TS61Y	469	230/460	103.0	94.1	1.25	24.3	10 : 1	S, US
	1200	364T	170147.60	√	6477	C364T11DB1	892	208-230/460	103.0	94.1	1.15	28.0	10 : 1	C, CN
	1200	364T	LM13924	C/A	7998	SDB40T61Y	712	230/460	112.0	94.1	1.25	28.4	10 : 1	S, US
50	3600	324TS	170040.60	√	5163	C324T34DB3	548	208-230/460	112.0	94.1	1.25	24.5	10 : 1	C, CN
	3600	324TS	LM13812	C/A	6392	SD2B50TS61Y	469	230/460	122.0	94.1	1.25	24.3	10 : 1	S, US
	3600	324T	LM32752	C/A	6392	SD2B50T61Y	469	230/460	122.0	93.0	1.25	25.8	10 : 1	S, US
	1800	326T	170021.60	√	4779	C326T17DB5	614	208-230/460	118.0	94.5	1.25	27.5	10 : 1	C, CN
	1800	326T	LM13813	√	6966	SD4B50T61Y	522	230/460	131.0	95.0	1.25	27.3	10 : 1	S, US
	1800	326TS	LM32674	√	6966	SD4B50T61Y	522	230/460	131.0	94.5	1.25	25.8	10 : 1	S, US
	1200	365T	170148.60	√	7409	C365T11DB1	918	208-230/460	128.0	94.5	1.15	33.6	10 : 1	C, CN
	1200	365T	LM13927	C/A	9029	SD6B50T61Y	763	230/460	138.0	94.5	1.25	29.4	10 : 1	S, US
60	3600	326TS	170042.60	√	6175	C326T34DB5	590	208-230/460	136.0	94.1	1.25	26.0	10 : 1	C, CN
	3600	326TS	LM13814	√	6481	SD2B60TS61Y	522	230/460	136.0	94.5	1.25	25.8	10 : 1	S, US
	3600	326T	LM32682	C/A	6486	SDB60T61Y	522	230/460	136.0	93.6	1.25	27.3	10 : 1	S, US
	1800	364T	170025.60	√	5262	C364T17DB7	716	208-230/460	139.0	94.1	1.25	31.5	10 : 1	C, CN
	1800	364T	LM14813	√	9518	SD4B60T61Y	712	230/460	140.0	95.0	1.25	28.4	10 : 1	S, US
	1800	364TS	LM32753	√	9518	SD4B60TS61Y	712	230/460	140.0	95.0	1.25	26.3	10 : 1	S, US
	1200	404T	170149.60	√	8201	C404T11DB5	1031	208-230/460	159.0	94.5	1.25	32.8	2 : 1	C, CN
	1200	404T	LM13944	C/A	10359	SD6B60T61Y	882	230/460	159.0	94.5	1.25	32.8	2 : 1	S, US

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Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
75	3600	364TS	170044.60	√	8158	C364T34DB3	720	208-230/460	170.0	94.1	1.15	26.9	10 : 1	C, CN
	3600	364TS	LM14812	√	10466	SD2B75TS61Y	712	230/460	164.0	94.5	1.25	26.9	10 : 1	S, US
	3600	364T	LM32754	C/A	10466	SD2B75T61Y	712	230/460	164.0	93.6	1.25	28.4	10 : 1	S, US
	1800	365T	170029.60	√	6488	C365T17DB5	766	208-230/460	174.0	94.5	1.25	31.2	10 : 1	C, CN
	1800	365T	LM14815	√	9742	SD4B75T61Y	763	230/460	176.0	95.0	1.25	28.4	10 : 1	S, US
	1800	365TS	LM32755	√	9742	SD4B75TS61Y	763	230/460	180.0	95.0	1.25	27.3	10 : 1	S, US
	1200	405T	170150.60	√	9720	C405T11DB6	1095	208-230/460	199.0	94.5	1.25	34.3	2 : 1	C, CN
	1200	405T	LM13947	√	13282	SD6B75T61Y	958	230/460	210.0	94.5	1.25	33.3	2 : 1	S, US
100	3600	365TS	170151.60	√	9223	C365T34DB4	775	208-230/460	226.0	94.5	1.15	29.1	10 : 1	C, CN
	3600	365TS	LM14814	C/A	10271	SD2B100TS61Y	763	230/460	220.0	95.0	1.25	27.3	10 : 1	S, US
	3600	365T	LM32756	C/A	10271	SD2B100T61Y	763	230/460	220.0	93.6	1.25	29.4	10 : 1	S, US
	1800	404T	170152.60	√	8878	C404T17DB5	1141	208-230/460	225.0	95.4	1.25	32.8	2 : 1	C, CN
	1800	405T	LM13943	√	10004	SD4B100T61Y	882	230/460	244.0	95.4	1.25	31.8	2 : 1	S, US
	1800	405TS	LM32757	√	10004	SD4B100TS61Y	882	230/460	260.0	95.4	1.25	29.2	2 : 1	S, US
	1200	444T	170255.60	√	11480	C444T11DB4	1975	460	118.0*	95.4	1.25	40.0	2 : 1	C, CN
	1200	444T	LM13815	C/A	15227	SD6B100T64Y	1277	460	274.0*	95.4	1.15	37.4	2 : 1	S, US
125	3600	404TS	170154.60	√	10661	C404T34DB1	1015	208-230/460	284.0	94.5	1.25	29.8	2 : 1	C, CN
	3600	404TS	LM13942	√	12474	SD2B125TS61Y	882	230/460	276.0	95.0	1.25	29.2	2 : 1	S, US
	3600	404T	LM32758	C/A	12474	SD2B125T61Y	882	230/460	276.0	94.1	1.25	32.0	2 : 1	S, US
	1800	405T	170155.60	√	11235	C405T17DB6	1292	230/460	280.0	95.4	1.25	34.3	2 : 1	C, CN
	1800	405T	LM13946	√	10303	SD4B125T61Y	958	230/460	304.0	95.4	1.25	33.3	2 : 1	S, US
	1800	405TS	LM32759	√	10303	SD4B125TS61Y	958	230/460	306.0	95.4	1.25	30.7	2 : 1	S, US
	1200	445T	170259.60	√	14923	C445T11DB4	2022	460	148.0*	95.8	1.25	40.0	2 : 1	C, CN
	1200	445T	LM13816	C/A	16509	SD6B125T64Y	1438	460	168.0*	95.4	1.15	39.4	2 : 1	S, US
150	3600	405TS	171449.60	√	13153	C405T34DB2	1085	460	169.0*	94.5	1.15	31.3	2 : 1	C, CN
	3600	405TS	LM13945	C/A	16674	SD2B150TS61Y	958	230/460	338.0	95.4	1.25	30.7	2 : 1	S, US
	1800	444T	171522.60	√	13267	C444T17DB2	2000	460	164.0*	95.8	1.15	40.0	2 : 1	C, CN
	1800	444T	LM13817	√	15178	SD4B150T64Y	1277	460	170.0*	95.8	1.25	37.4	2 : 1	S, US
	1800	444TS	LM32760	√	15178	SD4B150TS64Y	277	460	170.0*	95.8	1.25	33.5	2 : 1	S, US
	1200	445T	171576.60	√	16010	C445T11DB5	2040	460	178.0*	95.8	1.25	40.0	2 : 1	C, CN
	1200	445T	LM13818	√	20309	SD6B150T64Y	1438	460	200.0*	95.4	1.15	42.9	2 : 1	S, US
200	3600	444TS	171573.60	√	14906	C444T35DB1	1765	460	216.0*	95.4	1.25	36.3	2 : 1	C, CN
	3600	444TS	LM13819	√	20436	SD2B200TS64Y	1277	460	216.0*	95.8	1.25	33.5	2 : 1	S, US
	1800	445T	171523.60	√	15301	C445T17DB14	2037	460	220.0*	95.8	1.25	40.0	2 : 1	C, CN
	1800	445T	LM13820	√	18668	SD4B200T64Y	1438	460	233.0*	96.2	1.25	39.4	2 : 1	S, US
	1800	445TS	LM32761	√	18668	SD4B200TS64Y	1449	460	233.0*	96.2	1.25	35.5	2 : 1	S, US
	1200	447T	171577.60	√	21046	C447T11DB1	2820	460	239.0*	96.2	1.25	43.1	2 : 1	C, CN
	1200	449T	LM16239	√	20930	SDB200T64Y	2112	460	255.0*	95.8	1.15	47.9	2 : 1	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

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* F.L. Amps at 460V

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View On-line Technical Information

Three Phase ODP Motors

General Purpose - Standard, EPACT and Premium Efficient Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
250	3600	445TS	LM13822	C/A	27250	SD2B250TS64Y	1438	460	267.0	95.8	1.15	35.5	2 : 1	S, US
	3600	445TS	LM13761	√	21793	SD2P250TS64Y	1438	460	266.0	94.5	1.15	35.5	2 : 1	S, US
	1800	445T	G151524.60	√	17175	C445T17DB10	1940	460	284.0	95.4	1.15	40.0	2 : 1	C, CN
	1800	445T	LM13823	C/A	26140	SD4B250T64Y	1438	460	293.0	96.2	1.15	39.4	2 : 1	S, US
	1800	447T	LM16235	C/A	26648	SD4B250T64Y	1745	460	293.0	96.2	1.15	39.4	2 : 1	S, US
	1800	445T	LM13762	√	20100	SD4P250T64Y	1438	460	293.0	95.4	1.15	39.4	2 : 1	S, US
	1800	445TS	LM15466	C/A	20100	SD4P250TS64Y	1438	460	293.0	95.4	1.15	35.5	2 : 1	S, US
	1200	447T	LM33553	C/A	33205	CCD6B250T64Y	2345	460	300.0	95.4	1.15	43.3	2 : 1	S, US
	1200	449T	LM17958	C/A	32745	SD6B250T64Y	2112	460	335.0	95.8	1.15	47.9	2 : 1	S, US
300	3600	447TS	LM13825	C/A	32102	SD2B300TS64Y	1745	460	316.0	96.2	1.15	39.0	2 : 1	S, US
	3600	447TS	LM13764	C/A	25422	SD2P300TS64Y	1745	460	316.0	95.4	1.15	39.0	2 : 1	S, US
	1800	447T	LM13826	√	27056	SD4B300T64Y	1745	460	348.0	95.8	1.15	42.9	2 : 1	S, US
	1800	449T	LM16238	C/A	28408	SD4B300T64Y	2112	460	342.0	96.5	1.15	47.9	2 : 1	S, US
	1800	447T	LM13765	√	21221	SD4P300T64Y	1745	460	349.0	95.4	1.15	42.9	2 : 1	S, US
	1800	449T	LM16227	C/A	22752	SD4P300T64Y	2112	460	342.0	95.4	1.15	47.9	2 : 1	S, US
	1800	447TS	LM22758	C/A	21221	SD4P300TS64Y	1745	460	349.0	95.4	1.15	39.0	2 : 1	S, US
	1800	445T	G151525.60	√	19703	C445T17DB11	1962	460	329.0	95.4	1.15	40.0	2 : 1	C, CN
350	3600	447TS	LM13828	C/A	36340	SD2B350TS64Y	1745	460	369.0	95.8	1.15	39.0	2 : 1	S, US
	3600	449TS	LM16237	C/A	38155	SD2B350TS64Y	2112	460	368.0	95.8	1.15	44.0	2 : 1	S, US
	3600	447TS	LM13767	C/A	28776	SD2P350TS64Y	1745	460	369.0	95.4	1.15	39.0	2 : 1	S, US
	3600	449TS	LM16226	C/A	30218	SD2P350TS64Y	2112	460	370.0	95.0	1.15	44.0	2 : 1	S, US
	1800	447T	LM13829	C/A	33980	SD4B350T64Y	1745	460	405.0	95.8	1.15	42.9	2 : 1	S, US
	1800	449T	LM17957	C/A	35680	SD4B350T64Y	2112	460	405.0	96.2	1.15	42.9	2 : 1	S, US
	1800	447T	LM13768	√	24420	SD4P350T64Y	1745	460	406.0	95.4	1.0	42.9	2 : 1	S, US
	1800	449T	LM17954	C/A	26135	SD4P350T64Y	2112	460	395.0	95.4	1.15	47.9	2 : 1	S, US
	1800	447TS	LM15159	C/A	24420	SD4P350T64Y	1745	460	406.0	95.4	1.0	39.0	2 : 1	S, US
	1800	447T	G151518.60	√	21745	N445T17DB9	2041	460	392.0	94.1	1.15	40.0	2 : 1	C, CN
400	3600	449TS	LM13831	C/A	42003	SD2B400TS64Y	2112	460	430.0	95.8	1.15	44.0	2 : 1	S, US
	3600	449TS	LM13770	C/A	32553	SD2P400TS64Y	2112	460	420.0	95.4	1.15	44.0	2 : 1	S, US
	1800	449T	LM13832	C/A	40761	SD4B400T64Y	2112	460	445.0	96.2	1.15	47.9	2 : 1	S, US
	1800	449T	LM13771	C/A	30508	SD4P400T64Y	2112	460	460.0	95.8	1.15	47.9	2 : 1	S, US
	1800	449TS	LM22759	C/A	30508	SD4P400TS64Y	2112	460	460.0	95.8	1.15	44.0	2 : 1	S, US

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♥ Note listing on inside back flap

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View On-line Technical Information

LEESON

Three Phase ODP Motors

Compressor Duty

General Specifications:

Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads
- Class F Insulation

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1	1800	143T	121003.00	√	639	C143T17DB10	36	208-230/460	3.2	85.5	1.25	12.1	10 : 1	S, US
	1800	143T	LM24871	√	527	SSD4B1T6	35	208-230/460	3.2	85.5	1.25	12.0	10 : 1	S, MX
1 1/2	1800	145T	121004.00	√	667	C145T17DB32	35	208-230/460	4.8	86.5	1.25	12.6	10 : 1	S, US
	1800	145T	LM24875	√	551	SSD4B1.5T6	45	208-230/460	4.4	86.5	1.25	13.0	10 : 1	S, MX
2	1800	145T	121005.00	√	755	C145T17DB33	37	208-230/460	5.8	86.5	1.25	13.6	10 : 1	S, US
	1800	145T	LM24169	√	610	SSD4B2T6	48	208-230/460	6.0	86.5	1.25	11.5	10 : 1	S, MX
3	1800	182T	131519.00	√	773	C182T17DB37	75	208-230/460	7.8	89.5	1.25	13.7	10 : 1	S, MX
	1800	182T	LM24222	C/A	796	SSD4B3T61	75	208-230/460	8.0	89.5	1.25	13.2	10 : 1	S, MX
5	1800	184T	131520.00	√	871	C184T17DB44	86	208-230/460	12.8	89.5	1.25	14.7	10 : 1	S, MX
	1800	184T	LM24202	√	892	SSD4B5T61	91	208-230/460	12.6	89.5	1.25	14.2	10 : 1	S, MX
7 1/2	1800	213T	140470.00	√	1093	C213T17DB2	133	208-230/460	20.6	91.0	1.25	16.3	10 : 1	S, MX
	1800	213T	LM24194	√	1256	SSD4B7.5T6	125	208-230/460	19.2	91.0	1.25	18.5	10 : 1	S, US
10	1800	215T	140472.00	√	1291	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.3	10 : 1	S, MX
	1800	215T	LM24193	√	1403	SSD4B10T6	155	208-230/460	25.0	91.7	1.25	18.5	10 : 1	S, US
20	1800	256T	170006.60	√	2224	C256T17DB5	324	208-230/460	51.0	93.0	1.25	22.6	10 : 1	C, CN
	1800	256T	LM24199	√	2415	CCD4B20T6	350	208-230/460	48.0	93.0	1.25	24.4	10 : 1	C, US

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▼ LM Numbers are Lincoln Models

Specifications are subject to change without notice

Three Phase ODP Motors

Resilient Base Motors - General Purpose or Fan & Blower Service - Moderate Starting Torque

General Specifications:

- Industrial quality resilient base
- Moderate starting torque
- Double shielded ball bearings
- Belt-Driven or fan-on-shaft applications

Drip-Proof - Three Phase - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	3600	S56	101639.00	√	359	A4T34DJ4	17	208-230/460	Auto.	1.7	1.35	61.0	10.31	S, US, 33
	1800	S56	100210.00	√	392	C4T17DJ3	18	208-230/460	None	1.6	1.35	64.3	10.31	S, MX
	1800	S56	101520.00	√	476	A4T17DJ18	19	208-230/460	Auto.	1.6	1.35	64.3	10.81	S, MX, 33
1/2	3600	S56	101640.00	C/A	432	A4T34DJ3	18	208-230/460	Auto.	2.4	1.25	69.0	10.31	S, US, 33
	1800	S56	100145.00	√	449	C4T17DJ1	22	208-230/460	None	2.0	1.25	68.0	10.81	S, MX
	1800	S56	100796.00	√	523	A4T17DJ10	22	208-230/460	Auto.	2.0	1.25	68.0	11.31	S, MX
3/4	3600	S56	101773.00	√	451	C4T34DJ8	20	208-230/460	None	2.4	1.25	79.0	10.81	S, US
	3600	S56	101641.00	√	527	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
	1800	S56	100146.00	√	499	C4T17DJ2	25	208-230/460	None	2.8	1.25	75.0	11.31	S, MX
	1800	S56	100908.00	√	567	A4T17DJ13	26	208-230/460	Auto.	2.8	1.25	75.0	11.81	S, US, 33
1	3600	56	114192.00	√	481	C6T34DR35	24	208-230/460	None	3.2	1.25	77.0	10.82	S, US
	3600	56	113895.00	√	556	A6T34DR30	25	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
	1800	56	110052.00	√	524	C6T17DR1	23	208-230/460	None	4.2	1.15	78.5	11.31	S, US
	1800	56H	111311.00	√	589	A6T17DR11	27	208-230/460	Auto.	4.2	1.15	78.5	11.31	S, US, 33
1 1/2	3600	56H	114194.00	C/A	586	C6T34DR36	31	208-230/460	None	4.2	1.15	81.5	11.82	S, US
	3600	56H	113896.00	√	630	A6T34DR31	29	208-230/460	Auto.	4.2	1.15	81.5	11.82	S, US, 33
	1800	56H	110433.00	√	603	C6T17DR4	32	208-230/460	None	5.6	1.15	78.5	11.81	S, US
	1800	56H	113846.00	√	625	A6T17DR25	29	208-230/460	Auto.	5.6	1.15	78.5	11.81	S, US, 33
2	3600	56H	114196.00	√	678	C6T34DR37	36	208-230/460	None	5.6	1.15	82.9	12.32	S, US
	3600	56H	113897.00	√	731	A6T34DR32	39	208-230/460	Auto.	5.6	1.15	82.9	12.32	S, US, 33
	1800	56H	114197.00	√	655	C6T17DR29	37	208-230/460	None	6.2	1.15	78.5	12.31	S, US
	1800	56H	113847.00	√	717	A6T17DR26	34	208-230/460	Auto.	6.2	1.15	78.5	12.31	S, US, 33
3	3600	56HZ	113926.00	√	722	U6T34DR33	40	208-230/460	Auto.	7.6	1.0	84.0	13.19	S, US, 33
	1800	56HZ	116593.00	√	786	A6T17DR33	47	230/460	Auto.	8.6	1.15	82.5	14.19	S, US, 33

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Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Three Phase ODP Motors

F2 Conduit Box Mount Motors - General Purpose

Three Phase - ODP - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
3	1800	182T	132232.00	√	773	C182T17DB57	75	208-230/460	7.2	1.15	89.5	13.7	S, MX
5	1800	184T	132233.00	√	871	C184T17DB77	86	208-230/460	12.8	1.15	89.5	14.7	S, MX
7 1/2	1800	213T	140831.00	C/A	1093	C213T17DB14	133	208-230/460	20.6	1.25	91	16.3	S, MX

Green items are Premium Efficient

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Specifications are subject to change without notice

Three Phase ODP Motors

Three Phase - Automatic Overload Protected Motors

General Specifications:

- General purpose
- Automatic reset protection
- Not for use with variable frequency inverters

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
3	1800	182T	132234.00	√	931	U182T17DB61	58	208-230/460	Auto	8.4	1.15	86.5	12.69	S, MX
5	1800	184T	132235.00	√	1045	U184T17DB82	78	208-230/460	Auto	13.2	1.15	87.5	13.69	S, MX

Green items are Premium Efficient

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Specifications are subject to change without notice

View On-line Technical Information

Three Phase Motors Totally Enclosed

Three Phase Motors – General Purpose – Totally Enclosed – 208-230/460V & 460V Rigid Mount – ¼ HP – 400 HP Steel Frame – Aluminum Frame – Cast Iron Frame



- Standard, EPACT and Premium efficient ratings
- Inverter-rated
- Class B insulation systems – 42, 48 and 56 frames
- Class F insulation system – 140 frame and higher
- Shielded ball bearings for direct coupled applications
  Contact your local sales office for belted load applications
- Continuous duty
- Dynamically balanced rotors
- 1-year warranty on Standard efficient motors
- 2-year warranty on EPACT efficient motors
- 3-year warranty on Premium efficient motors
- Torques exceed NEMA performance standards
- UL recognized and CSA certified

NEMA Premium®

Applications:

- For use where exposure to water, dust and corrosives exists. Ideally suited for use on pumps, compressors, fans, blowers, conveyors, machine tools and other industrial applications.

LEESON®

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/4	1800	48	101646.00	√	331	C4T17FB9	18	208-230/460	1.4	58.0	1.15	9.31	2 : 1	S, MX
	1800	48	LM24929	√	348	SPF4S0.25T61	17	230/460	1.3	62.5	1.15	9.59	2 : 1	S, MX
1/3	3600	48	102684.00	√	328	C4T34FB5	18	208-230/460	1.4	68.0	1.0	8.81	2 : 1	S, US
	1800	48	101647.00	√	396	C4T17FB10	21	208-230/460	1.6	64.3	1.15	9.31	2 : 1	S, MX
	1800	48	LM24930	C/A	414	SPF4S0.33T61	20	230/460	1.6	65.5	1.15	9.84	2 : 1	S, US
	1800	S56	101079.00	√	363	C4T17FH6	22	208-230/460	1.6	64.3	1.15	9.69	2 : 1	S, MX
	1800	S56	LM24107	√	389	SRF4S0.33T61	16	230/460	1.6	65.5	1.15	10.22	2 : 1	S, MX
	1800	S56	103019.00	√	531	C4T17FH12	24	208-230/460	1.3	77.0	1.25	10.19	2 : 1	S, MX
	1200	56	110441.00	√	571	C6T11FB5	23	208-230/460	1.6	65.0	1.15	10.81	2 : 1	S, US
	1200	56	LM24931	C/A	595	SRF6S0.33T61	22	208-230/460	2.2	62.0	1.15	11.32	2 : 1	S, MX
1/2	3600	48	100905.00	√	384	C4T34FB2	18	208-230/460	1.8	69.0	1.0	9.94	2 : 1	S, US
	3600	56	LM24165	√	397	SRF2S0.5T61	22	230/460	2.2	69.0	1.15	11.82	2 : 1	S, US
	1800	48	100961.00	√	464	C4T17FB4	21	208-230/460	2.0	73.0	1.15	9.56	2 : 1	S, MX
	1800	48	LM24932	C/A	484	SPF4S0.5T61	23	230/460	2.2	70.0	1.15	10.34	2 : 1	S, US
	1800	S56	100913.00	√	416	C4T17FH1	24	208-230/460	2.0	73.0	1.15	9.94	2 : 1	S, MX
	1800	S56	LM24073	√	445	SRF4S0.5T61	18	230/460	2.2	70.0	1.15	10.72	2 : 1	S, MX
	1800	S56	103020.00	√	563	C4T17FH13	27	208-230/460	1.8	77.0	1.25	10.69	10 : 1	S, MX
	1200	56	110353.00	√	616	C6T11FB2	26	208-230/460	2.4	70.0	1.15	11.31	2 : 1	S, US
	1200	56	LM24105	√	644	SRF6S0.5T61	24	230/460	2.7	68.0	1.15	11.82	2 : 1	S, MX
	900	56	114618.00	√	907	C6T8FB11	31	208-230/460	2.4	69.0	1.15	11.81	2 : 1	S, US
	900	143T	LM24291	√	946	SSF8S0.5T61	31	230/460	2.6	66.0	1.15	13.37	2 : 1	S, US
3/4	3600	48	100960.00	√	422	C4T34FB3	21	208-230/460	2.4	79.0	1.0	10.44	2 : 1	S, US
	3600	56	110313.00	√	422	C6T34FB2	22	208-230/460	2.4	75.5	1.15	10.81	2 : 1	S, US
	3600	56	LM24133	√	439	SEF2S0.75T61	23	230/460	3.2	74.0	1.15	11.82	2 : 1	S, US
	1800	56	110034.00	√	444	C6T17FB1	22	208-230/460	2.8	77.0	1.15	10.81	2 : 1	S, US
	1800	S56	LM24075	√	478	SRF4S0.75T61	30	230/460	2.8	75.5	1.15	11.22	2 : 1	S, MX
	1800	56	116739.00	√	592	C6T17FB152	31	208-230/460	2.4	81.5	1.25	11.31	10 : 1	S, US
	1200	56	110275.00	√	616	C6T11FB3	33	208-230/460	3.0	75.5	1.15	11.81	2 : 1	S, US
	1200	56	LM24136	√	659	SRF6S0.75T61	28	230/460	3.2	74.0	1.15	12.32	2 : 1	S, MX
	1200	143T	121009.00	√	629	C143T11FB2	34	208-230/460	3.0	75.5	1.15	12.75	2 : 1	S, US
	1200	143T	LM24103	√	659	SSF6S0.75T61	29	230/460	3.2	74.0	1.15	12.37	2 : 1	S, MX
	900	145T	121199.00	√	1045	C145T8FB5	21	208-230/460	3.1	70.0	1.15	12.75	2 : 1	S, US
	900	145T	LM24276	√	1084	SSF8S0.75T61	49	230/460	4.8	70.0	1.15	14.87	2 : 1	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

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View On-line Technical Information

Single Phase ODP Motors

Single Phase TEFC Motors

Single Phase C Face Motors

Three Phase ODP Motors

Three Phase TEFC Motors

Three Phase C Face Motors

Inverter Duty Motors

Severe Duty Motors

Explosion Proof Motors

Three Phase Motors Totally Enclosed

General Purpose - Standard,
Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1	3600	56	110145.00	√	494	C6T34FB1	24	208-230/460	3.2	77.0	1.15	10.81	10 : 1	S, US
	3600	56	LM24094	√	516	SRF2S1T61	24	230/460	3.7	74.0	1.15	11.82	2 : 1	S, US
	3600	56	116129.00	√	654	C6T34FB49	24	208-230/460	2.8	80.0	1.25	11.31	10 : 1	S, US
	1800	56	110035.00	√	464	C6T17FB2	30	208-230/460	3.8	77.0	1.15	11.31	2 : 1	S, US
	1800	56	LM24078	√	495	SRF4S1T61	27	230/460	3.6	77.0	1.15	12.32	2 : 1	S, MX
	1800	56	116757.00	√	727	C6T17FB151	32	208-230/460	3.2	85.5	1.25	12.81	10 : 1	S, US
	1800	56HZ	115830.00	√	492	C6T17FB120	33	208-230/460	3.8	77.0	1.15	12.75	2 : 1	S, US, 5
	1800	143T	120921.00	√	727	C143T17FB13	32	208-230/460	3.2	85.5	1.25	13.25	10 : 1	S, US
	1800	143T	LM32796	√	718	SSF4B1T61	41	230/460	3.2	85.5	1.25	12.93	10 : 1	S, MX
	1800	143T	171640.60	√	780	C145T17FB25	50	208-230/460	3.2	85.5	1.15	13.46	10 : 1	C, CN
	1800	143T	LM24102	√	799	CCN3BIT61	56	230/460	3.0	85.5	1.25	10.43	10 : 1	C, US
	1200	56	113933.00	√	638	C6T11FB13	35	208-230/460	4.0	77.0	1.15	12.31	2 : 1	S, US
	1200	56H	LM24159	√	665	SRF6S1T61	35	230/460	4.0	78.5	1.15	12.82	2 : 1	S, MX
	1200	145T	121520.00	√	859	C145T11FB20	47	208-230/460	3.8	82.5	1.25	13.75	10 : 1	S, US
	1200	145T	LM33121	√	824	SSF6B1T61	35	230/460	3.8	82.5	1.15	14.87	10 : 1	S, MX
	1200	145T	171643.60	√	918	C145T11FB25	58	208-230/460	3.8	82.5	1.25	13.46	10 : 1	C, CN
	900	182T	G131478.00	√	1288	C182T8FB9	57	230/460	4.2	74.0	1.15	12.96	2 : 1	S, MX
	900	182T	LM32662	√	1205	AAF8P1T61	64	230/460	4.4	74.0	1.15	14.19	2 : 1	A, US
	900	182T	LM33560	C/A	1205	AAF8P1T61AP26	64	230/460	4.4	74.0	1.15	14.19	2 : 1	A, MX
1 1/2	3600	56	110745.00	√	540	C6T34FB16	30	208-230/460	4.2	81.5	1.15	11.81	2 : 1	S, US
	3600	56	LM24144	√	566	SRF2S1.5T61	34	230/460	4.6	80.0	1.15	11.82	2 : 1	S, US
	3600	56	116758.00	√	742	C6T34FB50B	33	208-230/460	4.0	84.0	1.25	12.81	10 : 1	S, US
	3600	143T	121518.00	√	742	C143T34FB1	33	208-230/460	4.0	84.0	1.25	13.25	10 : 1	S, US
	3600	143T	LM33122	√	742	SSF2B1.5T61	32	230/460	4.0	84.0	1.25	13.37	10 : 1	S, US
	3600	143T	171642.60	√	795	C143T34FB5	49	208-230/460	4.0	84.0	1.25	13.46	10 : 1	C, CN
	3600	143T	LM15854	C/A	1012	CCF2B1.5T61	54	230/460	4.0	84.0	1.15	13.46	10 : 1	C, US
	1800	56	110444.00	√	522	C6T17FB14	30	208-230/460	5.0	78.5	1.15	11.81	2 : 1	S, US
	1800	56H	LM24118	√	526	SRF4S1.5T61	30	230/460	4.8	80.0	1.15	12.32	2 : 1	S, MX
	1800	56	116759.00	√	742	C6T17FB150	34	208-230/460	4.8	86.5	1.25	13.31	10 : 1	S, US
	1800	56HZ	115829.00	√	496	C6T17FB121B	37	208-230/460	5.0	78.5	1.15	12.75	2 : 1	S, US, 5
	1800	145T	120922.00	√	754	C145T17FB33	34	208-230/460	4.8	86.5	1.15	13.75	10 : 1	S, US
	1800	145T	LM33123	√	754	SSF4B1.5T61	45	230/460	4.8	86.5	1.25	13.43	10 : 1	S, MX
	1800	145T	171646.60	√	805	C145T17FB78	54	208-230/460	4.8	86.5	1.15	13.46	10 : 1	C, CN
	1800	145T	LM25637	√	852	CCN4B1.5T61	62	230/460	4.4	84.0	1.25	11.43	2 : 1	C, US
	1200	56H	114930.00	√	733	C6T11FB17	48	208-230/460	5.7	77.0	1.15	13.31	2 : 1	S, US
	1200	56HZ	116591.00	√	733	C6T11FB24B	45	208-230/460	5.7	77.0	1.15	13.75	2 : 1	S, US, 5
	1200	182T	131980.00	√	1252	C182T11FB9	89	208-230/460	5.6	87.5	1.15	15.96	10 : 1	S, MX
	1200	182T	LM15648	√	972	AAF6B1.5T61	83	230/460	4.4	87.7	1.25	15.19	10 : 1	A, US
	1200	182T	LM33561	√	972	AAF6B1.5T61AP26	83	230/460	4.4	87.7	1.25	15.19	10 : 1	A, MX
	1200	182T	LM15868	C/A	1060	CCF6B1.5T61	112	230/460	— —	87.5	1.15	— —	10 : 1	C, US
	900	184T	G131479.00	√	1530	C184T8FB6	68	230/460	5.6	77.0	1.15	13.96	2 : 1	S, MX
	900	184T	LM32798	√	1428	AAF8P1.5T61	71	230/460	6.2	77.0	1.15	15.19	2 : 1	A, US
	900	184T	LM33562	√	1428	AAF8P1.5T61	71	230/460	6.2	77.0	1.15	15.19	2 : 1	A, MX

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LEESON

General Purpose - Standard, Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
2	3600	56	111916.00	√	608	C6T34FB24	33	208-230/460	5.6	82.5	1.15	12.31	2 : 1	S, US
	3600	56H	LM24347	√	634	SRF2S2T61	39	230/460	6.0	82.5	1.15	12.32	2 : 1	S, US
	3600	56	116760.00	√	812	C6T34FB518	44	208-230/460	4.8	85.5	1.25	13.31	2 : 1	S, US
	3600	145T	121519.00	√	812	C145T34FB33	44	208-230/460	4.8	85.5	1.25	13.75	10 : 1	S, US
	3600	145T	LM33124	√	812	SSF2BT61	31	230/460	4.8	85.5	1.25	13.43	10 : 1	S, US
	3600	145T	171648.60	√	868	C145T34FB37	56	208-230/460	4.8	85.5	1.25	13.46	10 : 1	C, CN
	3600	145T	LM15857	C/A	1116	CCN2B2T61	71	230/460	5.0	85.5	1.15	14.29	10 : 1	C, US
	1800	56H	113026.00	√	567	C6T17FB65	35	208-230/460	6.2	81.5	1.15	12.31	2 : 1	S, US
	1800	56H	LM24097	√	558	SRF4S2T61	40	230/460	5.8	82.5	1.15	13.82	2 : 1	S, MX
	1800	56HZ	115828.00	√	526	C6T17FB119	37	208-230/460	6.2	81.5	1.15	12.75	2 : 1	S, US
	1800	56H	116761.00	√	785	C6T17FB154	45	208-230/460	5.8	86.5	1.25	14.32	10 : 1	S, US
	1800	145T	120923.00	√	785	C145T17FB32	45	208-230/460	5.8	86.5	1.25	14.76	10 : 1	S, US
	1800	145T	LM33125	√	679	SSF4B2T61	41	230/460	6.5	86.5	1.25	13.93	10 : 1	S, MX
	1800	145T	171647.60	√	839	C145T17FB79	58	208-230/460	5.8	86.5	1.0	13.46	10 : 1	C, CN
	1800	145T	LM24127	√	897	CCN4B2T61	64	230/460	6.0	85.5	1.15	11.43	10 : 1	C, US
	1200	184T	131981.00	√	1275	C184T11FB20	89	208-230/460	7.2	88.5	1.15	15.96	10 : 1	S, MX
	1200	184T	LM15651	√	1081	AAF6B2T61	92	230/460	6.0	88.5	1.25	16.19	10 : 1	A, US
	1200	184T	LM33563	√	1081	AAF6B2T61AP26	92	230/460	6.0	88.5	1.25	16.19	10 : 1	A, MX
	1200	184T	LM15871	C/A	1368	CCN6B2T61	126	230/460	– –	88.5	1.15	– –	10 : 1	C, US
	900	213T	G140516.00	√	2114	C213T8FB3	114	230/460	8.0	82.5	1.15	18.22	2 : 1	S, MX
	900	213T	LM32799	√	1694	AF8P2T61	101	230/460	7.3	82.5	1.15	17.20	10 : 1	A, US
3	3600	56H	114614.00	√	707	C6T34FB35	40	208-230/460	7.6	84.0	1.15	13.25	2 : 1	S, US, 5
	3600	56H	LM24935	C/A	742	SRF2S3T61	51	230/460	7.6	84.0	1.15	13.52	2 : 1	S, US
	3600	182T	131985.00	√	1008	C182T34FB72	66	208-230/460	7.6	86.5	1.25	13.96	10 : 1	S, MX
	3600	182T	LM15646	√	1283	AAF2B3T61	83	230/460	7.6	87.5	1.25	15.19	10 : 1	A, US
	3600	182T	LM33564	C/A	1283	AAF2B3T61AP26	83	230/460	7.6	87.5	1.25	15.19	10 : 1	A, MX
	3600	182T	LM33262	C/A	1008	SSF2B3T61	75	230/460	7.6	87.5	1.15	13.46	10 : 1	S, MX
	3600	182T	LM15866	C/A	1167	CCN2B3T61	107	230/460	7.6	86.5	1.15	15.50	10 : 1	C, US
	1800	56HZ	116594.00	√	622	C6T17FB144	45	208-230/460	8.6	82.5	1.0	14.26	2 : 1	S, US
	1800	182T	131463.00	√	888	C215T11FB11AA	80	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
	1800	182T	LM15647	√	928	AAF4B3T61	83	230/460	8.0	89.5	1.25	15.19	10 : 1	A, US
	1800	182T	LM33486	√	928	AAF4B3T61AP26	83	230/460	8.0	89.5	1.25	15.19	10 : 1	A, MX
	1800	182T	LM32741	√	1261	SSF4B3T61	77	230/460	7.8	89.5	1.15	13.96	10 : 1	S, MX
	1800	182T	171320.60	√	997	C182T17FB42	104	208-230/460	7.8	89.5	1.25	15.89	10 : 1	C, CN
	1800	182T	LM25638	C/A	1119	CCF4B3T61	82	230/460	8.0	90.2	1.25	14.81	10 : 1	C, US
	1800	182T	LM60026	√	947	CCF4B3T61AP21	104	230/460	8.4	90.2	1.15	15.00	10 : 1	C, CN
	1200	213T	171378.60	√	1410	C213T11FB1	171	208-230/460	9.4	89.5	1.25	18.19	10 : 1	C, CN
	1200	213T	LM16030	√	1553	AF6B3T61	127	230/460	9.0	87.5	1.15	17.20	10 : 1	A, US
	1200	213T	LM15880	C/A	1791	CCF6B3T61	173	230/460	9.6	89.5	1.25	18.19	10 : 1	C, US
	1200	213T	LM60027	√	1339	CCF6B3T61AP21	170	230/460	9.6	89.5	1.25	18.19	10 : 1	C, CN
	900	215T	G151809.22	C/A	3300	C215T8FB1	171	208-230/460	11.4	84.0	1.15	19.61	10 : 1	C, CA

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Three Phase Motors Totally Enclosed

General Purpose - Standard, Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
5	3600	184T	131987.00	√	1127	C184T34FB20	88	208-230/460	12.0	88.5	1.25	16.46	10 : 1	S, MX
	3600	184T	LM15649	√	1376	AAF2BT61	89	230/460	11.8	89.5	1.25	16.19	10 : 1	A, US
	3600	184T	LM33565	√	1376	AAF2BT61AP26	89	230/460	11.8	89.5	1.25	16.19	10 : 1	A, MX
	3600	184T	LM33263	√	1127	SSF2B5TC61	83	230/460	12.0	88.5	1.25	16.46	10 : 1	S, MX
	3600	184T	LM15869	C/A	1315	CCF2BT61	108	230/460	11.8	88.5	1.15	15.81	10 : 1	C, US
	1800	184T	131464.00	√	976	C184T17FB42	87	208-230/460	12.8	89.5	1.15	15.96	10 : 1	S, MX
	1800	184T	LM15650	√	1086	AAF4B5T61	104	230/460	12.4	90.2	1.25	16.19	10 : 1	A, US
	1800	184T	LM33487	√	1086	AAF4B5T61AP26	104	230/460	12.4	90.2	1.25	16.19	10 : 1	A, MX
	1800	184T	LM33266	√	976	SSF4BT61	87	230/460	13.8	87.5	1.15	14.96	10 : 1	S, MX
	1800	184T	171322.60	√	1036	C184T17FB43	109	208-230/460	12.8	89.5	1.25	16.80	10 : 1	C, CN
	1800	184T	LM24195	√	1227	CCF4B5T61	117	230/460	12.4	90.2	1.25	15.81	10 : 1	C, US
	1800	184T	LM60029	√	983	CCF3B5T61AP21	109	230/460	12.8	89.5	1.15	16.80	10 : 1	C, CN
	1200	215T	171379.60	√	1572	C215T11FB1	176	208-230/460	14.4	89.5	1.25	19.61	10 : 1	C, CN
	1200	215T	LM16033	√	1801	AF6B5T61	138	230/460	13.8	89.5	1.15	18.70	10 : 1	A, US
	1200	215T	LM32802	√	1551	SSF6BT61	140	230/460	14.0	90.2	1.15	20.23	10 : 1	S, US
	1200	215T	LM15883	C/A	2000	CCF6BT61	203	230/460	14.4	89.5	1.15	19.61	10 : 1	C, US
	1200	215T	LM60030	√	1493	CCF6B5T61AP21	176	230/460	14.4	89.5	1.25	19.61	10 : 1	C, CN
	900	254T	G151355.22	√	3407	C254T8FB5A	188	208-230/460	14.4	88.3	1.15	23.23	10 : 1	C, CA
	900	254T	LM32803	√	2521	AF8P5T61	159	230/460	15.0	87.5	1.15	23.40	2 : 1	A, US
7 1/2	3600	213T	170158.60	√	1438	C215T11FB11AA	147	208-230/460	18.0	91.0	1.25	18.19	10 : 1	C, CN
	3600	213T	LM28968	√	1481	AF2B7.5T61	127	230/460	17.8	91.7	1.25	20.65	10 : 1	A, US
	3600	213T	LM15878	C/A	1368	CCF2B7.5T61	192	230/460	18.3	89.5	1.15	18.19	10 : 1	C, US
	3600	213T	LM60031	√	1366	CCF2B7.5T61AP21	147	230/460	20.0	91.0	1.15	18.19	10 : 1	C, CN
	3600	213T	140756.00	√	1358	C213T34FB1	156	208-230/460	17.8	90.2	1.15	19.84	10 : 1	S, MX
	3600	213T	LM32804	√	1344	SSF2B7.5T61	109	230/460	17.8	90.2	1.15	20.23	10 : 1	S, US
	1800	213T	140450.00	√	1254	C213T17FB6	153	208-230/460	21.4	91.7	1.25	18.70	10 : 1	S, MX
	1800	213T	LM32805	√	1158	SSF4B7.5T61	144	230/460	19.4	91.7	1.15	20.23	10 : 1	S, US
	1800	213T	LM16029	√	1427	AF4B7.5T61	127	230/460	19.2	91.1	1.25	18.70	10 : 1	A, US
	1800	213T	170157.60	√	1385	C213T17FB43	155	208-230/460	18.6	91.7	1.25	18.19	10 : 1	C, CN
	1800	213T	LM24209	√	1477	CCF4B7.5T61	180	230/460	19.2	91.7	1.25	19.70	10 : 1	C, US
	1800	213T	LM60032	√	1317	CCF4B7.5T61AP21	155	230/460	18.8	91.9	1.15	18.19	10 : 1	C, CN
	1200	254T	170122.60	√	2049	C254T11FB3	249	208-230/460	22.2	91.7	1.25	23.19	10 : 1	C, CN
	1200	254T	LM15672	√	2648	AF6B7.5T61	209	230/460	19.8	91.0	1.25	23.40	10 : 1	A, US
	1200	254T	LM15892	C/A	2699	CCF6B7.5T61	223	230/460	22.0	91.0	1.15	23.19	10 : 1	C, US
	1200	254T	LM60033	√	1947	CCF6B7.5T61AP21	249	230/460	22.0	91.7	1.22	23.19	10 : 1	C, CN
	900	256T	G151356.22	√	3702	C256T8FB42	300	208-230/460	20.0	87.7	1.15	24.96	10 : 1	C, CA
	900	256T	LM32807	√	2983	AF8P7.5T61	195	230/460	23.0	86.5	1.15	25.15	2 : 1	A, US

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♥ Note listing on inside back flap

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View On-line Technical Information

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
10	3600	215T	140755.00	√	1577	C215T34FB11	170	208-230/460	23.6	91.7	1.15	21.09	10 : 1	S, MX
	3600	215T	LM32808	√	1709	SSF2B10T61	172	230/460	23.6	91.7	1.15	21.48	10 : 1	S, US
	3600	215T	170159.60	√	1703	C215T34FB47	181	208-230/460	23.4	91.7	1.25	19.61	10 : 1	C, CN
	3600	215T	LM16031	√	1799	AF2B10T61	185	230/460	23.6	91.7	1.25	19.70	10 : 1	A, US
	3600	215T	LM15881	C/A	1945	CCF2B10T61	218	230/460	23.6	90.2	1.15	21.48	10 : 1	C, US
	3600	215T	LM60034	√	1617	CCF2B10T61AP21	181	230/460	23.4	91.5	1.15	19.61	10 : 1	C, CN
	1800	215T	140451.00	√	1517	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	10 : 1	S, MX
	1800	215T	LM32809	√	1431	SSF4B10T61	168	230/460	26.0	91.7	1.25	21.48	10 : 1	S, US
	1800	215T	170140.60	√	1653	C215T17FB43	177	208-230/460	25.0	91.7	1.25	19.61	10 : 1	C, CN
	1800	215T	LM16032	√	1591	AF4B10T61	160	230/460	26.9	91.7	1.25	18.70	10 : 1	A, US
	1800	215T	LM24213	C/A	1922	CCF4B10T61	213	230/460	25.0	91.7	1.15	20.95	10 : 1	C, US
	1800	215T	LM60035	√	1570	CCF4B10T61AP21	177	230/460	25.0	91.7	1.15	19.61	10 : 1	C, CN
	1200	256T	170123.60	√	2930	C256T11FB4	300	208-230/460	29.0	91.7	1.25	24.92	10 : 1	C, CN
	1200	256T	LM15675	√	3111	AF6B10T61	236	230/460	26.2	91.0	1.25	25.15	10 : 1	A, US
	1200	256T	LM15895	C/A	3342	CCF6B10T61	368	230/460	28.0	91.0	1.15	24.92	10 : 1	C, US
	1200	256T	LM60036	√	2784	CCF6B10T61AP21	300	230/460	28.0	92.1	1.15	24.92	10 : 1	C, CN
	900	284T	G150282.22	√	4752	C284T8FB2A	346	208-230/460	26.0	88.8	1.15	26.26	10 : 1	C, CA
15	3600	215T	170615.60	√	2141	C215T34FB13	200	208-230/460	35.0	92.4	1.15	19.61	10 : 1	C, CN
	3600	254T	170062.60	√	2313	C254T34FB4	282	208-230/460	35.0	92.4	1.25	23.19	10 : 1	C, CN
	3600	254T	LM15670	√	2467	AAF2B15T61	215	230/460	35.0	91.7	1.25	23.40	10 : 1	A, US
	3600	254T	LM15890	C/A	2729	CCF2B15T611AP21	384	230/460	34.5	92.4	1.25	23.19	10 : 1	C, US
	3600	254T	LM60037	√	2198	CCF2B15T61AP21	282	230/460	34.5	92.4	1.25	23.19	10 : 1	C, CN
	1800	254T	170066.60	√	2238	C254T17FB10	280	208-230/460	36.0	92.4	1.25	23.19	10 : 1	C, CN
	1800	254T	LM15671	√	2211	AAF4B15T61	209	230/460	37.5	92.4	1.25	23.40	10 : 1	A, US
	1800	254T	LM24208	√	2500	CCF4B15T61	322	230/460	37.5	92.4	1.25	23.52	10 : 1	C, US
	1800	254T	LM60038	√	2126	CCF4515T61AP21	280	230/460	36.5	93.4	1.15	23.19	10 : 1	C, CN
	1200	284T	170068.60	√	3966	C284T11FB4	333	208-230/460	40.6	92.4	1.25	26.26	10 : 1	C, CN
	1200	284T	LM13962	C/A	4166	AF6B15T61Y	363	230/460	47.0	91.7	1.25	26.62	10 : 1	A, US
	1200	284T	LM15793	C/A	4554	CCF6B15T611Y	483	230/460	40.5	91.7	1.15	26.26	10 : 1	C, US
	1200	284T	LM60039	C/A	3767	CCF6B15T61AP21	333	230/460	40.5	92.4	1.25	26.26	10 : 1	C, CN
	900	286T	G150261.22	√	5614	G150261.22	480	208-230/460	40.0	91.0	1.15	27.83	10 : 1	C, CA
20	3600	256T	170033.60	√	2828	C256T34FB10	316	208-230/460	46.0	92.4	1.25	24.92	10 : 1	C, CN
	3600	256T	LM15673	√	2876	AF2B0T61	325	230/460	47.0	92.4	1.25	– –	10 : 1	A, US
	3600	256T	LM15893	C/A	3342	CCF2B20T61	385	230/460	46.0	92.4	1.15	24.92	10 : 1	C, US
	3600	256T	LM60040	√	2685	CCF2B20T61AP21	316	230/460	46.0	92.4	1.15	24.92	10 : 1	C, CN
	1800	256T	170007.60	√	2800	C256T17FB4	322	208-230/460	49.0	93.0	1.15	24.92	10 : 1	C, CN
	1800	256T	LM15674	√	2775	AAF4B20T61	295	230/460	48.0	93.0	1.25	25.15	10 : 1	A, US
	1800	256T	LM24207	C/A	3037	CCF4B20T61	368	230/460	48.0	93.6	1.25	25.27	10 : 1	C, US
	1800	256T	LM60041	√	2660	CCF4B20T61AP21	322	230/460	49.0	93.0	1.15	24.92	10 : 1	C, CN
	1200	286T	170001.60	√	4960	C286T11FB6	392	208-230/460	54.0	91.7	1.25	27.83	10 : 1	C, CN
	1200	286T	LM13965	√	4916	AF6B20T61Y	485	230/460	61.0	91.7	1.25	28.12	10 : 1	A, US
	1200	286T	LM15796	C/A	5312	CCF6B20T61Y	515	230/460	53.5	91.7	1.25	27.84	10 : 1	C, US
	1200	286T	LM60042	C/A	4712	CCF6B20T61AP21	392	230/460	53.5	92.4	1.15	27.83	10 : 1	C, CN
	900	324T	G150263.22	C/A	6751	C324T8FB3A	640	208-230/460	54.0	91.0	1.15	29.53	10 : 1	C, CA

Green items are Premium Efficient

♥ Note listing on inside back flap

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Single Phase ODP Motors

Single Phase TEFC Motors

Single Phase C Face Motors

Three Phase ODP Motors

Three Phase TEFC Motors

Three Phase C Face Motors

Inverter Duty Motors

Severe Duty Motors

Explosion Proof Motors

Three Phase Motors Totally Enclosed

General Purpose - Standard,

Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
25	3600	284TS	170035.60	√	3677	C284T34FB5	383	208-230/460	56.8	93.0	1.25	24.88	10 : 1	C, CN
	3600	284TS	LM13960	√	4367	AF2B25TS61Y	385	230/460	56.0	92.4	1.25	25.25	10 : 1	A, US
	3600	284T	LM32811	C/A	4367	AF2B25T61Y	433	230/460	56.0	92.4	1.25	26.62	10 : 1	A, US
	3600	284TS	LM15791	C/A	4148	CCF2B25TS61Y	461	230/460	56.0	93.6	1.15	24.97	10 : 1	C, US
	3600	284TS	LM60043	√	3493	CCF2B25T61AP21	383	230/460	56.5	93.0	1.15	24.86	10 : 1	C, CN
	1800	284T	170011.60	√	3473	C284T17FB5	385	208-230/460	59.0	93.6	1.25	26.26	10 : 1	C, CN
	1800	284T	LM13961	√	3713	AF4B25T61Y	495	230/460	64.0	93.6	1.25	26.62	10 : 1	A, US
	1800	284TS	LM32812	C/A	3713	AF4B25TS61Y	363	230/460	64.0	93.6	1.25	25.24	10 : 1	A, US
	1800	284T	LM15792	C/A	3795	CCF4B25T61Y	495	230/460	62.0	93.6	1.25	26.34	10 : 1	C, US
	1800	284T	LM60044	√	3299	CCF4B25T61AP21	385	230/460	58.0	93.6	1.15	26.26	10 : 1	C, CN
	1200	324T	170003.60	√	5804	C324T11FB3	545	208-230/460	66.0	93.0	1.25	29.53	10 : 1	C, CN
	1200	324T	LM13696	C/A	6864	SF6B25T61Y	519	230/460	64.0	92.4	1.25	28.50	10 : 1	S, US
	1200	324T	LM19747	C/A	6638	CCF6B25T61Y	637	230/460	65.0	93.0	1.15	28.87	10 : 1	C, US
	1200	324T	LM60045	√	5513	CCF6B25T61AP21	545	230/460	66.0	93.6	1.15	29.53	10 : 1	C, CN
	900	326T	G150265.22	C/A	7872	C326T8FB2A	700	208-230/460	63.0	90.2	1.15	31.02	10 : 1	C, CA
30	3600	286TS	170037.60	√	4341	C286T34FB4	385	208-230/460	67.0	93.0	1.25	26.46	10 : 1	C, CN
	3600	286TS	LM13963	√	4766	AF2B30TS61Y	602	230/460	66.0	92.4	1.25	26.75	10 : 1	A, US
	3600	286T	LM32813	√	4766	AF2B30T61Y	438	230/460	66.0	92.4	1.25	28.12	10 : 1	A, US
	3600	286TS	LM15794	C/A	4909	CCF2B30TS61Y	496	230/460	70.0	93.0	1.25	26.47	10 : 1	C, US
	3600	286TS	LM60046	√	4124	CCF2B30TS61AP21	385	230/460	69.0	94.1	1.15	26.36	10 : 1	C, CN
	1800	286T	170015.60	√	4046	C286T17FB5	432	208-230/460	70.0	94.1	1.25	27.83	10 : 1	C, CN
	1800	286T	LM13964	√	4263	AF4B30T61Y	426	230/460	75.0	93.6	1.25	28.12	10 : 1	A, US
	1800	286TS	LM32814	C/A	4263	AF4B30TS61Y	408	230/460	75.0	93.6	1.25	26.75	10 : 1	A, US
	1800	286T	LM15795	C/A	4479	CCF4B30T61Y	519	230/460	73.0	94.1	1.15	27.84	10 : 1	C, US
	1800	286T	LM60047	√	3844	CCF4B0T161AP21	432	230/460	70.0	93.6	1.15	27.83	10 : 1	C, CN
	1200	326T	170005.60	√	6514	C326T11FB3	615	208-230/460	77.0	93.6	1.25	31.02	10 : 1	C, CN
	1200	326T	LM13697	C/A	6901	SF6B30T61Y	558	230/460	76.0	93.0	1.25	30.00	10 : 1	S, US
	1200	326T	LM19748	0	7535	CCF6B30T61Y	689	230/460	77.0	93.0	1.15	31.00	10 : 1	C, US
	1200	326T	LM60048	√	6188	CCF6B30T61AP21	615	230/460	77.0	93.6	1.25	31.02	10 : 1	C, CN

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Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
40	3600	324TS	170039.60	√	5414	C324T34FB3	504	208-230/460	89.0	93.6	1.25	28.03	10 : 1	C, CN
	3600	324TS	LM13698	C/A	7036	SF2B40TS61Y	504	230/460	88.0	93.6	1.25	27.00	10 : 1	S, US
	3600	324T	LM32671	C/A	7036	SF2B40T61Y	535	230/460	88.0	93.6	1.25	28.50	10 : 1	S, US
	3600	324TS	LM19749	C/A	6262	CCF2B40TS61Y	664	230/460	94.0	93.6	1.15	27.37	10 : 1	C, US
	3600	324TS	LM60049	√	5144	CCF2B40TS61AP21	504	230/460	90.0	93.6	1.15	38.03	10 : 1	C, CN
	1800	324T	170019.60	√	5375	C324T17FB5	528	230/460	92.0	94.1	1.25	29.53	10 : 1	C, CN
	1800	324T	LM13699	√	7490	SF4B40T61Y	504	230/460	101.0	94.1	1.25	28.50	10 : 1	S, US
	1800	324TS	LM32686	√	7490	SF4B40TS61Y	504	230/460	101.0	94.1	1.25	27.00	10 : 1	S, US
	1800	324T	LM19750	√	5766	CCF4B40T61Y	602	230/460	95.0	94.1	1.15	30.37	10 : 1	C, US
	1800	324T	LM60050	√	5106	CCF4B40T61AP21	528	230/460	92.0	94.1	1.15	29.53	10 : 1	C, CN
	1200	364T	170096.60	√	8930	C364T11FB4	636	208-230/460	102.0	94.1	1.15	32.64	10 : 1	C, CN
	1200	364T	LM13918	√	9359	SF6B40T61Y	765	230/460	112.0	93.6	1.25	31.90	10 : 1	S, US
	1200	364T	LM19751	C/A	9709	CCF6B40T61Y	835	230/460	101.0	94.1	1.15	32.00	10 : 1	C, US
	1200	364T	LM60051	√	8484	CCF6B40T61AP21	636	230/460	101.0	94.1	1.15	32.00	10 : 1	C, CN
50	3600	326TS	170041.60	√	6575	C326T34FB4	554	208-230/460	111.0	94.5	1.25	29.53	10 : 1	C, CN
	3600	326TS	LM13700	C/A	7346	SF2B50TS61Y	558	230/460	111.0	94.1	1.25	28.50	10 : 1	S, US
	3600	326T	LM32669	C/A	7346	SF2B50T61Y	558	230/460	111.0	94.1	1.25	30.00	10 : 1	S, US
	3600	326TS	LM19752	C/A	8045	CCF2B50TS61Y	732	230/460	111.0	93.0	1.15	28.50	10 : 1	C, US
	3600	326TS	LM60052	√	6247	CCF2B50TS61AP21	554	230/460	112.0	94.1	1.15	29.53	10 : 1	C, CN
	1800	326T	170023.60	√	6492	C326T17FB7	587	208-230/460	117.0	94.5	1.25	31.02	10 : 1	C, CN
	1800	326T	LM13701	√	7012	SF4B50T61Y	585	230/460	127.0	94.5	1.25	36.00	10 : 1	S, US
	1800	326TS	LM32815	0	7012	SF4B50TS61Y	558	230/460	127.0	94.5	1.25	34.50	10 : 1	S, US
	1800	326T	LM19753	C/A	7200	CCF4B50T61Y	744	230/460	120.0	94.5	1.15	30.37	10 : 1	C, US
	1800	326T	LM60053	√	6167	CCF4B50T61AP21	587	230/460	117.0	94.5	1.15	31.02	10 : 1	C, CN
	1200	365T	170097.60	√	10717	C365T11FB5	672	208-230/460	124.0	94.1	1.15	33.62	10 : 1	C, CN
	1200	365T	LM13921	C/A	10118	SF6B50T61Y	822	230/460	138.0	94.1	1.25	32.90	10 : 1	S, US
	1200	365T	LM19754	C/A	11476	CCF6B50T61Y	955	230/460	123.0	94.5	1.25	32.50	10 : 1	C, US
	1200	365T	LM60054	√	10181	CCF6B50T61AP21	672	230/460	126.0	94.1	1.15	32.50	10 : 1	C, CN
60	3600	364TS	170043.60	√	9754	C364T34FB3	735	208-230/460	136.0	94.1	1.15	30.51	10 : 1	C, CN
	3600	364TS	LM14808	C/A	10683	SF2B60TS61Y	765	230/460	132.0	94.5	1.25	29.77	10 : 1	S, US
	3600	364T	LM32816	C/A	10683	SF2B60T61Y	765	230/460	132.0	94.5	1.25	31.90	10 : 1	S, US
	3600	364TS	LM19755	C/A	10360	CCF2B60TS61Y	918	230/460	134.0	93.6	1.15	31.90	10 : 1	C, US
	3600	364TS	LM60055	√	9265	CCF2B60TS61AP21	735	230/460	134.0	94.1	1.15	31.90	10 : 1	C, CN
	1800	364T	170027.60	√	9234	C364T17FB6	666	208-230/460	137.0	95.4	1.15	32.64	10 : 1	C, CN
	1800	364T	LM14809	√	9856	SF4B60T61Y	765	230/460	144.0	95.0	1.25	31.90	10 : 1	S, US
	1800	364TS	LM32676	C/A	9856	SF4B60TS61Y	765	230/460	145.0	95.0	1.25	29.77	10 : 1	S, US
	1800	364T	LM19756	C/A	10550	CCF4B60T61Y	980	230/460	140.0	95.0	1.15	31.50	10 : 1	C, US
	1800	364T	LM60056	√	8772	CCF4B60T61AP21	666	230/460	139.0	95.4	1.15	31.50	10 : 1	C, CN
	1200	404T	170098.60	√	12641	C404T11FB3	870	208-230/460	142.0	94.5	1.25	36.42	10 : 1	C, CN
	1200	404T	LM13938	C/A	11890	SF6B60T61Y	918	230/460	171.0	94.5	1.15	36.90	2 : 1	S, US
	1200	404T	LM19757	C/A	10591	CCF6B60T61Y	1156	230/460	142.0	94.5	1.15	36.42	2 : 1	C, US
	1200	404T	LM60057	√	12009	CCF6B60T61AP21	870	230/460	142.0	95.0	1.15	36.42	10 : 1	C, CN

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LEESON®

Three Phase Motors Totally Enclosed

General Purpose - Standard, Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
75	3600	365TS	170045.60	√	11947	C365T34FB3	780	208-230/460	169.0*	94.5	1.15	31.50	10 : 1	C, CN
	3600	365TS	LM14810	C/A	11592	SF2B75TS61Y	822	230/460	164.0*	95.0	1.25	30.77	2 : 1	S, US
	3600	365T	LM32729	C/A	11592	SF2B75T61Y	822	230/460	164.0*	95.0	1.25	32.90	2 : 1	S, US
	3600	365TS	LM19758	C/A	13128	CCF2B75TS61Y	1001	230/460	167.0*	93.6	1.15	31.50	2 : 1	C, US
	3600	365TS	LM60058	√	11350	CCF2B75TS61AP21	780	230/460	167.0*	94.5	1.15	31.50	10 : 1	C, CN
	1800	365T	170031.60	√	11523	C365T17FB4	733	208-230/460	171.0*	95.8	1.15	33.62	2 : 1	C, CN
	1800	365T	LM14811	√	11295	SF4B75T61Y	822	230/460	178.0*	95.4	1.15	32.90	2 : 1	S, US
	1800	365TS	LM32672	√	11295	SF4B75TS61Y	822	230/460	178.0*	95.4	1.25	30.77	2 : 1	S, US
	1800	365T	LM19759	C/A	12598	CCF4B75T61Y	1018	230/460	171.0*	95.4	1.15	33.62	2 : 1	C, US
	1800	365T	LM60059	√	10947	CCF4B75T61AP21	733	230/460	171.0*	95.8	1.15	33.62	10 : 1	C, CN
	1200	405T	170099.60	√	13324	C405T11FB5	975	208-230/460	176.0*	95.0	1.25	37.91	10 : 1	C, CN
	1200	405T	LM13941	C/A	15433	SF6B75T61Y	1002	230/460	210.0*	94.5	1.15	38.40	2 : 1	S, US
	1200	405T	LM19760	C/A	16421	CCF6B75T61Y	1280	230/460	176.0*	94.5	1.15	37.91	2 : 1	C, US
	1200	405T	LM60060	C/A	12657	CCF6B75T61AP21	975	230/460	176.0*	95.0	1.15	37.91	10 : 1	C, CN
100	3600	405TS	170160.60	√	14711	C449T11FB1AA	955	208-230/460	218.0*	95.0	1.25	34.92	10 : 1	C, CN
	3600	405TS	LM13939	C/A	16494	SF2B100TS61Y	1002	230/460	210.0*	94.5	1.15	35.40	2 : 1	S, US
	3600	405T	LM32818	C/A	16494	SF2B100T61Y	1002	230/460	210.0*	94.5	1.15	38.40	2 : 1	S, US
	3600	405TS	LM60061	√	13975	CCF2B100TS61AP21	955	230/460	218.0*	95.0	1.15	34.92	10 : 1	C, CN
	1800	405T	170087.60	√	14329	C405T17FB4	1070	208-230/460	225.0*	95.4	1.15	37.91	10 : 1	C, CN
	1800	405T	LM13940	√	13646	SF4B100T61Y	1052	230/460	244.0*	95.4	1.15	38.40	2 : 1	S, US
	1800	405TS	LM32819	√	13646	SF4B100TS61Y	1052	230/460	244.0*	95.4	1.15	35.40	2 : 1	S, US
	1800	405T	LM19762	√	15937	CCF4B100T61Y	1338	230/460	226.0*	95.4	1.15	37.14	2 : 1	C, US
	1800	405T	LM60062	√	13613	CCF4B100T61AP21	1070	230/460	226.0*	95.4	1.15	37.91	10 : 1	C, CN
	1200	444T	170256.60	√	18967	C444T11FB6	1457	460	121.0	95.0	1.25	42.87	10 : 1	C, CN
	1200	444T	LM13702	C/A	19723	SF6B100T64Y	1351	460	136.0	95.0	1.15	41.58	2 : 1	S, US
	1200	444T	LM60063	√	18019	CCF6B100T64AP21	1457	460	121.0	95.0	1.15	40.50	10 : 1	C, CN
125	3600	444TS	171580.60	√	17565	C444T34FB8	1316	460	132.0	95.0	1.25	39.10	10 : 1	C, CN
	3600	444TS	LM13703	C/A	21148	SF2B125TS64Y	1351	460	133.0	95.0	1.15	37.49	2 : 1	S, US
	3600	444TS	LM60064	√	16687	CCF2B125TS64AP21	1950	460	136.0	95.4	1.25	37.00	10 : 1	C, CN
	1800	444T	170369.60	√	19025	C444T17FB5	1950	460	137.0	95.4	1.25	42.87	10 : 1	C, CN
	1800	444T	LM13704	√	18241	SF4B125T64Y	1351	460	146.0	96.2	1.15	41.58	2 : 1	S, US
	1800	444TS	LM32820	C/A	18241	SF4B125TS64Y	1351	460	146.0	96.2	1.15	37.83	2 : 1	S, US
	1800	444T	LM19765	C/A	20338	CCF4B125T64Y	1874	460	138.0	95.4	1.15	42.87	10 : 1	C, US
	1800	444T	L60065	√	18074	CCF4B125T64AP21	1950	460	137	95.4	1.15	42.87	10 : 1	C, CN
	1200	445T	170260.60	√	21431	C445T11FB5	1596	460	155.0	95.4	1.25	44.88	10 : 1	C, CN
	1200	445T	LM13705	C/A	23932	SF6B125T64Y	1531	460	168.0	94.5	1.15	43.58	2 : 1	S, US
	1200	445T	LM60066	√	20359	CCF6B125T64AP21	1316	460	160.0	95.5	1.15	43.00	10 : 1	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

* F.L. Amps at 230V

Continued On Next Page

▼ LM Numbers are Lincoln Models

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LEESON

Three Phase Motors Totally Enclosed

General Purpose - Standard, Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
150	3600	445TS	171578.60	√	21679	C445T34FB3	1445	460	161.0	95.0	1.15	44.88	10 : 1	C, CN
	3600	445TS	LM13706	C/A	26176	SF2B150TS64Y	1531	460	163.0	95.8	1.15	39.49	2 : 1	S, US
	3600	445TS	LM60067	√	20595	CCF2B150T64AP21	1627	460	163.0	95.0	1.15	39.49	10 : 1	C, CN
	1800	445T	170371.60	√	21767	C445T17FB8	1627	460	163.0	95.8	1.15	44.88	10 : 1	C, CN
	1800	445T	LM13707	√	21158	SF4B150T64Y	1531	460	168.0	96.2	1.15	43.58	2 : 1	S, US
	1800	445TS	LM32679	C/A	21158	SF4B150TS64Y	1504	460	168.0	96.2	1.15	39.49	2 : 1	S, US
	1800	445T	LM19768	C/A	23781	CCF4B150T64Y	2070	460	164.0	95.8	1.15	43.00	2 : 1	C, US
	1800	445T	LM60068	√	20678	CCF4B150T64AP21	2230	460	164.0	95.8	1.15	43.00	10 : 1	C, CN
	1200	447T	171315.60	√	24166	C447T11FB1	2230	460	185.0	95.8	1.25	48.00	10 : 1	C, CN
	1200	447T	LM16231	C/A	29450	SF6B150T64Y	1812	460	196.0	95.8	1.15	47.08	2 : 1	S, US
	1200	447T	LM60069	√	22958	CCF6B150T64AP21	1445	460	186.0	96.2	1.15	46.50	10 : 1	C, CN
200	3600	447TS	171579.60	√	24969	C447T34FB3	1977	460	216.0	95.4	1.25	48.00	10 : 1	C, CN
	3600	447TS	LM16229	C/A	34830	SF2B200TS64Y	1812	460	211.0	95.4	1.15	39.49	2 : 1	S, US
	3600	445TS	LM13709	C/A	33170	SF2B200TS64Y	1531	460	211.0	95.4	1.15	39.49	2 : 1	S, US
	3600	447T	LM60070	√	23720	CCF2B200T64AP21	2227	460	216.0	95.4	1.15	51.00	10 : 1	C, CN
	1800	447T	170352.60	√	24930	C447T17FB8	2227	460	216.0	96.2	1.15	48.00	10 : 1	C, CN
	1800	447T	LM16230	C/A	28985	SF4B200T64Y	1812	460	227.0	96.2	1.15	43.58	2 : 1	S, US
	1800	445T	LM13710	√	26167	SF4B200T64Y	1531	460	227.0	95.0	1.15	43.58	2 : 1	S, US
	1800	445TS	LM32821	C/A	26167	SF4B200TS64Y	1504	460	227.0	96.2	1.15	39.83	2 : 1	S, US
	1800	445T	LM60071	√	23684	CCF4B200T64AP21	2542	460	219.0	96.2	1.15	43.00	10 : 1	C, CN
	1200	449T	171316.60	√	31653	C449T11FB1	2542	460	241.0	96.2	1.25	52.80	10 : 1	C, CN
	1200	447T	LM13711	C/A	32055	SF6B200T64Y	1812	460	260.0	95.8	1.15	52.08	2 : 1	S, US
	1200	447/9T	LM60072	√	30070	CCF6B200T64AP21	1977	460	241.0	96.8	1.15	48.00	10 : 1	C, CN
250	3600	449TS	LM16232	C/A	42075	SF2B250TS64Y	2185	460	264.0	96.5	1.15	42.99	2 : 1	S, US
	3600	447TS	LM13712	C/A	40073	SF2B250TS64Y	1812	460	264.0	95.8	1.15	42.99	2 : 1	S, US
	3600	449TS	LM16222	C/A	33318	SF2P250TS64Y	2185	460	263.0	95.8	1.15	47.99	2 : 1	S, US
	3600	4447TS	LM13556	C/A	31733	SF2P250TS64Y	1812	460	263.0	95.4	1.15	42.99	2 : 1	S, US
	3600	449TS	LM19571	C/A	35921	CCF2P250TS64Y	2685	460	264.0	95.4	1.15	48.00	2 : 1	C, US
	1800	449T	G151516.60	√	26952	C449T17FB3	2425	460	274.0	95.0	1.15	52.80	2 : 1	C, CN
	1800	449T	LM16233	C/A	34594	SF4B250T64Y	2185	460	278.0	96.5	1.15	52.00	2 : 1	S, US
	1800	447T	LM13713	C/A	32944	SF4B250T64Y	1812	460	282.0	95.4	1.15	47.08	2 : 1	S, US
	1800	449T	LM16223	C/A	28644	SF4P250T64Y	2185	460	278.0	95.0	1.15	52.08	2 : 1	S, US
	1800	447T	LM13557	√	27278	SF4P250T64Y	1812	460	283.0	95.0	1.15	47.08	2 : 1	S, US
	1800	447TS	LM14751	C/A	27278	SF4P250TS64Y	1812	460	283.0	95.0	1.15	42.99	2 : 1	S, US
	1800	449T	LM19572	C/A	29525	CCF4P250T64Y	2760	460	290.0	95.0	1.15	51.86	2 : 1	C, US
	1200	449T	LM30826	C/A	35921	CCF6P250T64Y	3408	460	300.0	95.4	1.15	51.86	2 : 1	C, US

Green items are Premium Efficient

▼ LM Numbers are Lincoln Models

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♥ Note listing on inside back flap

Continued On Next Page

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LEESON®

Three Phase Motors Totally Enclosed

General Purpose - Standard,
Epact and Premium Efficient - Three Phase Motors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
300	3600	449TS	LM13715	C/A	49885	SF2B300TS64Y	2185	460	314.0	95.8	1.15	47.99	2 : 1	S, US
	3600	449TS	LM13559	C/A	38784	SF2P300TS64Y	2185	460	315.0	95.4	1.15	47.99	2 : 1	S, US
	3600	449TS	LM19574	C/A	43907	CCF2P300TS64Y	2850	460	327.0	95.4	1.15	52.80	2 : 1	C, US
	1800	449T	G151529.60	√	30313	C449T17FB9	2558	460	327.0	95.4	1.15	52.80	2 : 1	C, CN
	1800	449T	LM17956	C/A	36064	SF4B300T64Y	2185	460	337.0	96.2	1.15	52.08	2 : 1	S, US
	1800	447T	LM13716	C/A	36064	SF4B300T64Y	2185	460	352.0	95.8	1.15	47.08	2 : 1	S, US
	1800	447T	LM17953	√	28519	SF4P300T64Y	1812	460	338.0	95.4	1.15	52.08	2 : 1	S, US
	1800	449T	LM18347	C/A	28519	SF4P300TS64Y	2185	460	338.0	95.0	1.15	47.99	2 : 1	S, US
	1800	449TS	LM13560	√	28519	SF4P300T64Y	2185	460	353.0	95.4	1.00	47.08	2 : 1	S, US
	1800	447T	LM18319	C/A	28519	SF4P300TS64Y	1812	460	353.0	95.4	1.00	42.99	2 : 1	S, US
	1800	449T	LM19575	C/A	31639	CCF4P300T64Y	2980	460	360.0	95.0	1.00	51.88	2 : 1	C, US
350	3600	449TS	LM13719	C/A	54320	SFB350TS64Y	2185	460	370.0	95.8	1.15	47.99	2 : 1	S, US
	3600	449TS	LM13562	C/A	43013	SF2350TS64Y	2185	460	367.0	95.4	1.00	47.99	2 : 1	S, US
	3600	449TS	LM19577	C/A	48695	CCF2P350TS64Y	3050	460	380.0	95.4	1.15	48.09	2 : 1	C, US
	1800	449T	G151530.60	√	31586	C449T17FB10	2710	460	402.0	95.4	1.15	52.80	2 : 1	C, CN
	1800	449T	LM13720	C/A	44525	SF4B350T64Y	2185	460	403.0	95.8	1.15	52.08	2 : 1	S, US
	1800	449T	LM13563	C/A	29538	SF4P350T64Y	2185	460	395.0	95.4	1.15	52.08	2 : 1	S, US
	1800	449T	LM19578	C/A	35023	CCF4P350T64Y	3218	460	402.0	95.4	1.15	52.80	2 : 1	C, US
400	3600	449TS	LM13721	C/A	66339	SF2B400TS64Y	2185	460	420.0	95.4	1.00	47.99	2 : 1	S, US
	3600	449TS	LM13564	C/A	52538	SF2P400TS64Y	2185	460	424.0	94.1	1.00	47.99	2 : 1	S, US
	1800	449T	LM13722	C/A	51201	SF4B400T64Y	2185	460	449.0	96.2	1.15	52.00	2 : 1	S, US
	1800	449T	LM13565	C/A	39066	SF4P400T64Y	2185	460	447.0	95.4	1.00	52.08	2 : 1	S, US
	1800	449T	LM19580	C/A	44661	CCF4P400T64Y	3263	460	469.0	95.8	1.00	51.86	2 : 1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Three Phase Motors Totally Enclosed

Resilient Base Motors - Three Phase
General Purpose or Fan & Blower Service

Features:

- Industrial duty designs
- Suitable for belt driven or fan-on-shaft applications
- Ball bearings

Three Phase - TEFC - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/2	1800	56	111917.00	√	501	C6T17NR1	25	208-230/460	1.8	78.5	1.15	11.31	2 : 1	S, US, 6, 12
1	1800	56	111918.00	√	564	C6T17FR1	29	208-230/460	3.8	77	1.15	12.46	2 : 1	S, US, 6, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Three Phase Motors Totally Enclosed

Compressor Duty

General Specifications:

Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:

- Double shielded ball bearings
- Designed for belted loads
- Class F insulation

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
3	1800	182T	131463.00	√	888	C182T17FB32	80	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
	1800	182T	LM32741	√	1,261	SSF4B3T61	77	208-230/460	7.8	89.5	1.15	13.96	10 : 1	S, MX
5	1800	182T	131464.00	√	976	C184T17FB42	94	208-230/460	12.8	89.5	1.15	15.96	10 : 1	S, MX
	1800	182T	LM33266	√	976	SSF4B5T61	85	208-230/460	12.6	89.5	1.15	14.96	10 : 1	S, MX
7 1/2	1800	213T	140450.00	√	1,254	C213T17FB6	144	208-230/460	21.4	91.7	1.25	18.70	10 : 1	S, MX
	1800	213T	LM32805	√	1,158	SSF4B7.5T6	115	208-230/460	19.4	91.7	1.25	20.23	10 : 1	S, US
10	1800	215T	140451.00	√	1,517	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	10 : 1	S, MX
	1800	215T	LM32809	√	1,431	SSF4B10T6	135	208-230/460	26.0	91.7	1.25	21.48	10 : 1	S, US
15	1800	254T	170066.60	√	2,238	C254T17FB10	280	208-230/460	36.0	92.4	1.25	23.19	10 : 1	C, CN
	1800	254T	LM24208	√	2,500	CCF4B15T6	322	208-230/460	37.5	92.4	1.25	25.27	10 : 1	C, US
20	1800	256T	170007.60	√	2,800	C256T17FB4	322	208-230/460	49.0	93.0	1.15	24.92	10 : 1	C, CN
	1800	256T	LM24207	C/A	3,037	CCF4B20T61	368	208-230/460	48.0	93.0	1.15	25.27	10 : 1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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Specifications are subject to change without notice

Three Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/6	3600	42	092014.00	√	405	C42T34NB2	13	208-230/460	0.7	65.0	1.0	7.56	100 : 1	S, US
	1800	42	092015.00	√	449	C42T17NB1	14	208-230/460	0.9	61.0	1.0	7.81	100 : 1	S, US
1/4	3600	42	092016.00	√	428	C42T34NB3	15	208-230/460	0.9	62.0	1.0	8.06	100 : 1	S, US
	1800	48	100123.00	√	341	C4T17NB3	16	208-230/460	1.0	78.0	1.15	9.18	100 : 1	S, MX
	1800	S56	101649.00	√	341	C4T17NH8	16	208-230/460	1.0	78.0	1.15	9.56	100 : 1	S, MX
1/3	3600	48	101013.00	√	322	C4T34NB3	17	208-230/460	1.2	72.0	1.15	9.06	100 : 1	S, US
	1800	48	100443.00	√	378	C4T17NB5	19	208-230/460	1.4	78.0	1.15	9.56	100 : 1	S, MX
	1800	S56	102920.00	√	376	C4T17NH13	20	208-230/460	1.3	77.0	1.15	9.56	100 : 1	S, MX
1/2	3600	56	110143.00	√	373	C6T34NB1	25	208-230/460	1.5	67.0	1.15	10.38	100 : 1	S, US
	1800	S56	102918.00	√	439	C4T17NH12	21	208-230/460	1.8	77.0	1.15	10.06	100 : 1	S, MX
3/4	1800	56	114309.00	√	477	C6T17NB53	30	208-230/460	2.5	80.0	1.15	10.89	100 : 1	S, US
1	1800	143T	121098.00	√	547	C143T17NB6	35	208-230/460	3.2	80.0	1.15	11.83	100 : 1	S, US
1 1/2	1800	145T	121099.00	√	572	C145T17NB9	47	208-230/460	4.2	80.0	1.15	13.33	100 : 1	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase ODP Motors
Single Phase TEFC Motors
Single Phase C Face Motors
Three Phase ODP Motors
Three Phase TEFC Motors
Three Phase C Face Motors
Inverter Duty Motors
Severe Duty Motors
Explosion Proof Motors

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LEESON®

Three Phase Motors Totally Enclosed

F2 Conduit Box Mount Motors - TEFC - Three Phase
General Purpose Applications

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
3	1800	182T	132237.00	√	888	C182T17FB50	80	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
5	1800	184T	132236.00	√	976	C184T17FB62	94	208-230/460	12.8	89.5	1.15	15.96	10 : 1	S, MX
7 1/2	1800	213T	140832.00	C/A	1,254	C213T17FB18	154	208-230/460	21.4	91.7	1.25	18.7	10 : 1	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

Note: For larger F2 mount motors, G150 & 170 Series cast iron motors may be converted to F2 by reassembly.
Contact factory for F2 mounting for Lincoln Brand motors

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase Motors Totally Enclosed

SUB-FHP MOTORS - Inverter Rated - Three Phase

Features:

- Designed with the exclusive inverter rated insulation system (IRIS)
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Ball bearings in the Right angle (worm) gearboxes
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed gearmotor RPM
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

Three Phase - 230 Volt - Totally Enclosed

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230	♥Notes
1/15	1725	38	M1140171.00	√	340	CM38T17NK1	7	230	0.4	S, US, 12
1/6	1725	38	M1140173.00	C/A	367	CM38T17NK2	8	230	0.72	S, US, 12
1/4	1725	38	M1140172.00	√	394	CM38T17FK3	9	230	1.1	S, US, 12

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

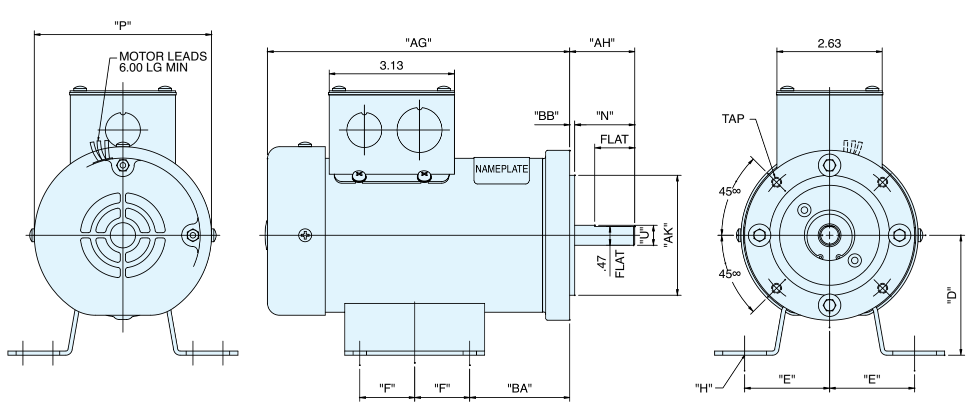
38 Frame NEMA C-Face With Base Dimensions

Catalog Number	AG	P	U	AH	BB	AJ	TAP	R	AK	BB	D	BA	E	F	H
M1140171.00	5.14	3.85	0.5	1.63	1	3.75	1/3/16	4.25	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140173.00	6.14	3.85	0.5	1.63	1	3.75	1/3/16	4.25	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140172.00	7.56	4.43	0.5	1.63	1	3.75	1/3/16	4.25	3	0.13	3	2.5	2.125	1.375	11/32 Slot

Specifications are subject to change without notice

AC 38 48C

ALL DIMENSIONS IN INCHES



Both motors only and gearmotors will have inverter rated printed on the nameplate.
UL and CSA recognition for both motors only and gearmotors

View On-line Technical Information

LEESON®

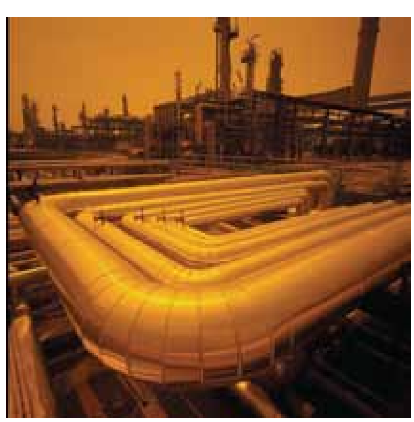
Three Phase C Face Motors

Three Phase C Face Motors – General Purpose – Open-Drip & Totally Enclosed – 208-230/460V & 460V Rigid Mount – ¼ HP – 400 HP
Steel Frame – Aluminum Frame – Cast Iron Frame


- Standard, EPACT and Premium efficient ratings
- Inverter-rated
- Class B insulation systems – 42, 48 and 56 frames
- Class F insulation system – 140 frame and higher
- Shielded ball bearings for direct coupled applications
- Continuous duty
- Dynamically balanced rotors
- Torques exceed NEMA performance standards
- 1-year warranty on Standard efficient motors
- 2-year warranty on EPACT efficient motors
- 3-year warranty on Premium efficient motors
- UL recognized and CSA certified

Applications:

- Same applications as used on our general purpose ODP and enclosed, three phase motors, only having NEMA C Face mount, which allows direct mounting to a pump or gear reducer or other direct coupled equipment.



Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/4	1800	S56C	103014.00	√	305	C4T17DC47	19	208-230/460	1.4	58.0	1.35	9.24	2 : 1	S, MX
1/3	3600	S56C	100375.00	√	307	C4T34DC2	15	208-230/460	1.4	68.0	1.35	9.31	2 : 1	S, US
	3600	S56C	LM24909	C/A	326	SRD2S0.33TCN61	18	230/460	1.1	66.0	1.35	9.94	2 : 1	S, US
	1800	S56C	100048.00	√	336	C4T17DC1	17	208-230/460	1.6	64.3	1.35	9.49	2 : 1	S, MX
	1800	S56C	LM24910	C/A	358	SRD4S0.33TCN61	15	230/460	1.6	66.0	1.35	9.80	2 : 1	S, US
	1800	S56C	102695.00	√	422	C4T17DC45	22	208-230/460	1.3	77.0	1.25	10.24	2 : 1	S, MX
1/2	3600	S56C	100056.00	√	328	C4T34DC1	17	208-230/460	1.8	69.0	1.25	9.31	2 : 1	S, US
	3600	56C	LM24911	C/A	346	SRD2S0.5TCN61	19	230/460	2.2	66.0	1.25	10.44	2 : 1	S, US
	1800	S56C	100049.00	√	388	C4T17DC2	21	208-230/460	2.0	68.0	1.25	9.99	2 : 1	S, MX
	1800	S56C	LM24912	C/A	415	SRD4S0.5TCN61	17	230/460	2.2	70.0	1.25	10.30	2 : 1	S, MX
	1800	S56C	102200.00	√	451	C4T17DC39	25	208-230/460	1.8	77.0	1.25	10.74	2 : 1	S, MX
	1200	56C	110434.00	√	573	C6T11DC1F	26	208-230/460	2.8	66.0	1.15	10.38	2 : 1	S, US
	1200	56C	LM24913	C/A	602	SRD6S0.5TCN61	21	230/460	2.8	68.0	1.25	10.38	2 : 1	S, MX
3/4	3600	S56C	100378.00	√	391	C4T34DC3	20	208-230/460	2.4	79.0	1.25	9.81	2 : 1	S, US
	3600	56C	LM24914	C/A	407	SRD2S0.75TCN61	20	230/460	3.2	74.0	1.25	10.44	2 : 1	S, US
	1800	S56C	100050.00	√	431	C4T17DC3	24	208-230/460	2.8	75.0	1.25	10.49	2 : 1	S, MX
	1800	56C	LM24915	√	463	SRD4S0.75TCN61	20	230/460	3.0	75.5	1.15	10.44	2 : 1	S, US
	1800	56C	114934.00	√	484	C6T17DC68	29	208-230/460	2.4	81.5	1.25	10.86	2 : 1	S, US
	1200	143TC	120063.00	√	622	C143T11DC1	20	208-230/460	3.0	80.0	1.15	12.12	2 : 1	S, US
	1200	56C	116728.00	C/A	622	C6T11DC11A	35	208-230/460	3.4	75.5	1.15	10.88	2 : 1	S, US
1	3600	56C	110111.00	√	449	C6T34DC7	22	208-230/460	3.2	77.0	1.25	9.88	2 : 1	S, US
	3600	56C	LM24916	C/A	469	SRD2S1TCN61	22	230/460	3.7	74.0	1.25	10.44	2 : 1	S, US
	1800	143TC	G120172.00	√	533	C143T17DC13	30	208-230/460	3.1	82.5	1.15	11.68	2 : 1	S, US
	1800	143TC	LM32790	C/A	570	SSD4P1TCN61	27	230/460	3.1	77.0	1.15	11.68	2 : 1	S, MX
	1800	56C	110043.00	√	471	C6T17DC1	22	208-230/460	4.2	78.5	1.15	10.38	2 : 1	S, US
	1800	S56C	LM24917	√	500	SRD4S1TCN61	22	230/460	3.4	76.5	1.15	11.30	2 : 1	S, MX
	1800	56C	116740.00	√	702	C6T17DC80	32	208-230/460	3.4	85.5	1.25	11.68	10 : 1	S, US
	1800	143TC	121064.00	√	702	C143T17DC12	32	208-230/460	3.4	85.5	1.25	12.12	10 : 1	S, US
	1200	145TC	G120082.00	√	735	C145T11DC5	35	208-230/460	3.6	80.0	1.15	12.62	2 : 1	S, US
1 1/2	3600	143TC	G121668.00	√	572	C143T34DC5	35	208-230/460	4.0	82.5	1.5	11.78	2 : 1	S, US
	3600	56C	110437.00	√	521	C6T34DC12	27	208-230/460	4.2	81.5	1.15	10,84	2 : 1	S, US
	3600	56C	LM24919	C/A	545	SRD2S1.5TCN61	23	230/460	5.0	80.0	1.15	10.44	2 : 1	S, US
	1800	145TC	G120081.00	√	571	C145T17DC42	37	208-230/460	4.4	84.0	1.15	12.12	2 : 1	S, US
	1800	145TC	LM32791	C/A	668	SSD4P1.5TCN61	29	230/460	4.4	84.0	1.15	12.49	2 : 1	S, MX
	1800	56C	110044.00	√	549	C6T17DC2	27	208-230/460	5.6	78.5	1.15	10.88	2 : 1	S, US
	1800	56HC	LM24160	C/A	586	SRD4S1.5TCN61	27	230/460	4.8	80.0	1.15	12.49	2 : 1	S, MX
	1800	56C	116741.00	√	733	C6T17DC81	36	208-230/460	5.6	86.5	1.25	12.68	10 : 1	S, US
	1800	143TC	121063.00	√	733	C145T17DC30	36	208-230/460	5.6	86.5	1.25	13.12	10 : 1	S, US
	1200	182TC	G132250.00	C/A	768	C182T11DC4	60	208-230/460	5.7	84.0	1.15	12.70	2 : 1	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

Continued On Next Page

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase C Face Motors

Drip-Proof - General Purpose

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
2	3600	143TC	G121670.00	√	642	C145T34DC12	45	208-230/460	5.2	84.0	1.15	12.18	2 : 1	S, US
	3600	56C	113894.00	√	603	C6T34DC63	31	208-230/460	5.6	82.5	1.15	11.34	2 : 1	S, US
	3600	56HC	LM24921	√	628	SRD2S2TCN61	25	230/460	6.2	80.0	1.15	10.44	2 : 1	S, US
	1800	145TC	G120035.00	√	616	C145T17DC41	39	208-230/460	6.4	84.0	1.15	12.69	2 : 1	S, US
	1800	56C	115553.00	√	587	C6T17DC77	32	208-230/460	6.2	78.5	1.15	11.19	2 : 1	S, US
	1800	56C	LM24131	C/A	628	SRD4S2TCN61	33	208-230/460	6.2	81.5	1.15	11.94	2 : 1	S, US
	1800	56C	116742.00	√	824	C6T17DC82	41	208-230/460	5.8	86.5	1.25	13.18	2 : 1	S, US
	1800	145TC	121071.00	√	824	C145T17DC31	41	208-230/460	5.8	86.5	1.25	13.62	2 : 1	S, US
	1200	184TC	G132059.00	C/A	788	C184TIIDC5	81	208-230/460	7.2	85.5	1.15	13.63	2 : 1	S, MX
3	3600	145TC	G121187.00	√	661	C145T34DC10	45	208-230/460	7.6	84.0	1.15	13.63	2 : 1	S, US
	3600	145TC	LM32793	√	765	SSD2P3TCN61	33	230/460	7.6	84.0	1.15	11.99	2 : 1	S, US
	3600	56C	114420.00	√	641	C6T34DC68	37	208-230/460	7.6	84.0	1.15	11.84	2 : 1	S, US
	3600	56C	LM24923	C/A	671	SRD2S3TCN61	31	230/460	8.4	84.0	1.15	11.44	2 : 1	S, US
	1800	182TC	G131489.00	√	722	C182T17DC28	57	208-230/460	8.4	86.5	1.15	12.69	2 : 1	S, MX
	1800	182TC	LM32794	C/A	745	SSD4P3TCN61	63	230/460	8.4	81.5	1.15	13.00	2 : 1	S, MX
	1800	182TC	131518.00	√	884	C182T17DC20	75	208-230/460	7.8	89.5	1.25	13.20	2 : 1	S, MX
	1200	213TC	G140765.00	C/A	1038	C213T11DC5	140	208-230/460	11.6	86.5	1.15	13.75	2 : 1	S, MX
5	3600	145TC	G121664.00	√	698	C145T34DC11	47	208-230/460	12.4	85.5	1.15	13.75	2 : 1	S, US
	3600	182TC	G131779.00	√	732	C182T34DC11	64	208-230/460	12.2	85.5	1.15	13.20	2 : 1	S, MX
	1800	184TC	G131490.00	√	759	C184T17DC27	69	208-230/460	13.2	87.5	1.15	13.69	2 : 1	S, MX
	1800	184TC	LM24234	√	816	SSD4P5TCN61	93	230/460	13.2	87.5	1.25	15.78	2 : 1	S, MX
	1800	184TC	131517.00	√	1038	C184T17DC16	96	208-230/460	12.8	89.5	1.25	15.20	2 : 1	S, MX
7 1/2	3600	184TC	G131780.00	√	1069	C184T34DC9	78	208-230/460	17.6	87.5	1.15	14.70	2 : 1	S, MX
	1800	213TC	G140580.00	√	1005	C213T17DC11	144	208-230/460	20.6	88.5	1.15	15.75	2 : 1	S, MX
	1800	213TC	LM32800	C/A	1155	SSD4P7.5TCN61	95	230/460	20.6	88.5	1.15	16.25	2 : 1	S, MX
	1800	213TC	140483.00	√	1150	C213T17DC7	132	208-230/460	20.6	91.0	1.25	16.25	2 : 1	S, MX
10	3600	213TC	G140688.00	√	1219	C213T34DC1	138	208-230/460	23.4	88.5	1.15	16.53	2 : 1	S, MX
	1800	215TC	G140108.00	√	1237	C215T17DC8	132	208-230/460	28.0	89.5	1.15	16.75	2 : 1	S, MX
	1800	215TC	LM32801	C/A	1454	SSD4P10TCN61	128	230/460	28.0	89.5	1.15	16.75	2 : 1	S, MX
	1800	215TC	140485.00	C/A	1300	C213T17DC5	144	208-230/460	26.8	91.9	1.25	17.25	2 : 1	S, MX
15	3600	215TC	G140689.00	√	1689	C215T34DC2	145	208-230/460	34.0	89.5	1.15	19.28	2 : 1	S, MX
	1800	254TC	G151682.60	√	1811	C254T17DC3	265	208-230/460	37.6	91.0	1.15	21.32	2 : 1	C, CN
20	3600	254TC	G151683.60	√	2149	C254T34DC3	258	208-230/460	46.6	90.2	1.15	21.38	2 : 1	C, CN
	1800	256TC	G151684.60	√	2213	C256T17DC5	307	208-230/460	48.0	91.0	1.15	23.03	2 : 1	C, CN
25	3600	256TC	G151685.60	√	2499	C256T34DC2	292	208-230/460	57.0	91.0	1.15	22.60	2 : 1	C, CN
	1800	284TC	G151686.60	√	2698	C284T17DC2	388	208-230/460	59.6	91.7	1.15	23.54	2 : 1	C, CN
30	3500	284TSC	G151687.60	√	2914	C283T34DC3	373	208-230/460	70.4	91.0	1.15	25.00	2 : 1	C, CN

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	S56C	100599.00	√	382	C4T17DK1	18	208-230/460	1.6	64.3	1.35	9.49	2 : 1	S, MX
	1800	S56C	LM24277	√	388	SRDAS0.33TC61	15	230/460	2.2	67.0	1.35	9.80	2 : 1	S, MX
	1800	S56C	103021.00	√	444	C4T17DK9A	23	208-230/460	1.3	77.0	1.25	10.24	2 : 1	S, MX
1/2	3600	S56C	100600.00	√	363	C4T34DK1	17	208-230/460	2.4	69.0	1.25	9.31	2 : 1	S, US
	3600	56C	LM24879	C/A	391	SRD2S0.5TC61	18	230/460	2.2	66.0	1.25	10.44	2 : 1	S, MX
	1800	S56C	100601.00	√	432	C4T17DK2	23	208-230/460	2.2	68	1.15	9.99	2 : 1	S, MX
	1800	S56C	LM24880	C/A	440	SRD4S0.5TC61	17	230/460	2.2	70.0	1.25	10.30	2 : 1	S, MX
	1800	S56C	103022.00	√	468	C4T17DK10	26	208-230/460	1.8	77.0	1.25	10.74	2 : 1	S, MX
	1200	56C	LM24881	C/A	645	SRD6S0.5TC61	33	230/460	— —	68.0	1.25	— —	2 : 1	S, MX
3/4	3600	S56C	102971.00	√	412	C4T34DK9	21	208-230/460	2.4	79.0	1.25	9.85	2 : 1	S, US
	3600	56C	LM24882	C/A	451	SRD2S0.75TC61	21	230/460	3.2	74.0	1.25	10.44	2 : 1	S, US
	1800	S56C	100602.00	√	480	C4T17DK3	25	208-230/460	2.8	75.0	1.25	10.49	2 : 1	S, MX
	1800	S56C	LM24267	√	485	SRD4S0.75TC61	20	230/460	2.8	75.5	1.25	10.80	2 : 1	S, MX
	1800	56C	116762.00	√	496	C6T17DK30	30	208-230/460	2.4	81.5	1.25	10.86	2 : 1	S, US
	1200	56C	LM24883	C/A	694	SRD6S0.75TC61	26	230/460	— —	76.5	1.15	— —	2 : 1	S, MX
1	3600	56C	116784.00	√	471	C6T34DK16	23	208-230/460	3.2	77.0	1.15	9.84	2 : 1	S, US
	3600	56C	LM24884	C/A	516	SRD2S1TC61	24	230/460	1.9	74.0	1.25	10.44	2 : 1	S, US
	1800	56C	110901.00	√	563	C6T17DK3	28	208-230/460	4.2	78.5	1.15	10.38	2 : 1	S, US
	1800	S56C	LM24346	√	500	SRD4S1TC61	22	230/460	3.4	76.5	1.15	11.30	2 : 1	S, MX
	1800	56C	116763.00	√	709	C6T17DK33	33	208-230/460	3.4	85.5	1.25	11.68	2 : 1	S, US
	1800	145TC	121935.00	√	652	C143T17DK6	34	208-230/460	3.2	85.5	1.25	12.12	10 : 1	S, US
	1800	143TC	LM32762	C/A	624	SSD4B1TC61	34	230/460	3.0	85.5	1.25	12.99	10 : 1	S, US
	1200	56HC	LM24885	C/A	663	SRD6S1TC61	29	230/460	— —	75.5	1.15	— —	2 : 1	S, MX, 6
	1200	145TC	LM32763	C/A	802	SSD6B1TC61	48	230/460	— —	80.0	1.25	— —	10 : 1	S, MX
1 1/2	3600	56C	116785.00	√	558	C6T34DK17	28	208-230/460	4.2	81.5	1.15	10.84	2 : 1	S, US
	3600	56C	LM24887	C/A	570	SRD2S1.5TC61	23	230/460	5.0	80.0	1.25	10.44	2 : 1	S, US
	3600	145TC	LM32764	C/A	683	SSD2B1.5TC61	28	230/460	— —	84.0	1.25	— —	10 : 1	S, US
	1800	56C	110902.00	√	592	C6T17DK4	29	208-230/460	5.6	78.5	1.15	10.88	2 : 1	S, US
	1800	56HC	LM24889	√	527	SRD4S1.5TC61	28	230/460	4.8	80.0	1.15	10.94	2 : 1	S, US, 6
	1800	56C	116764.00	√	735	C6T17DK32	37	208-230/460	5.6	86.5	1.15	12.68	10 : 1	S, US
	1800	143TC	121674.00	√	709	C143T17DK5	34	208-230/460	3.4	85.5	1.25	12.12	10 : 1	S, US
	1800	145TC	121675.00	√	735	C145T17DK22	37	208-230/460	5.6	86.5	1.25	13.12	10 : 1	S, US
	1800	145TC	LM32765	C/A	656	SRD4S1.5TC61	40	230/460	— —	86.5	1.15	— —	10 : 1	S, US
	1200	182TC	LM32766	C/A	1011	SSD6B1.5TC61	80	230/460	— —	86.5	1.15	— —	10 : 1	S, US
2	3600	56C	114218.00	√	692	C6T34DK8	34	208-230/460	5.6	82.5	1.15	11.40	2 : 1	S, US
	3600	56HC	LM24891	C/A	629	SRD2S2TC61	25	230/460	6.4	80.0	1.15	10.44	2 : 1	S, US, 6
	3600	145TC	LM32767	C/A	795	SSD2B2TC61	28	230/460	— —	85.5	1.25	— —	10 : 1	S, MX
	1800	56HC	116630.00	√	622	C6T17DK28	32	208-230/460	6.2	78.5	1.15	11.38	2 : 1	S, US, 6
	1800	56HC	LM24345	√	626	SRD4S2TC61	36	230/460	6.2	81.5	1.15	11.94	2 : 1	S, US, 6
	1800	56HC	116765.00	√	831	C6T17DK31	42	208-230/460	5.8	86.5	1.25	13.18	10 : 1	S, US, 6
	1800	145TC	121676.00	√	831	C145T17DK21	42	208-230/460	5.8	86.5	1.25	13.62	10 : 1	S, US
	1800	145TC	LM32768	C/A	701	SSD4B2TC61	44	230/460	6.0	86.5	1.25	13.49	10 : 1	S, MX
	1200	184TC	LM32769	C/A	995	SSD6B2TC61	74	230/460	— —	87.5	1.25	— —	10 : 1	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

C/A - Check Availability

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View On-line Technical Information

Three Phase C Face Motors

Drip-Proof - General Purpose

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
3	3600	56HC	LM24894	C/A	1990	SRD2S3TC61	33	230/460	8.4	84.0	1.15	11.44	2 : 1	S, US, 6
	3600	145TC	121928.00	√	755	C145T34DK16	45	230/460	7.2	85.5	1.25	13.76	10 : 1	S, US
	3600	145TC	LM32770	C/A	733	SSD2B3TC61	33	230/460	——	85.5	1.25	——	10 : 1	S, MX
	1800	56HCZ	116631.00	√	719	C6T17DK29	38	208-230/460	8.6	82.5	1.15	13.62	2 : 1	S, US, 6
	1800	182TC	132081.00	√	900	C182T17DK17	76	208-230/460	7.8	89.5	1.25	14.20	10 : 1	S, MX
	1800	182TC	LM32771	C/A	838	SSD4B3TC61	83	230/460	8.0	89.5	1.25	13.19	10 : 1	S, MX
	1200	213TC	LM32772	C/A	1207	SSD6B3TC61	104	230/460	——	88.5	1.25	——	10 : 1	S, MX
5	3600	182TC	132242.00	√	816	C184T34DK20	92	208-230/460	12.2	86.5	1.15	15.19	10 : 1	S, MX
	3600	182TC	LM32773	C/A	881	SSD2B5TC61	83	230/460	——	86.5	1.15	——	10 : 1	S, MX
	1800	184TC	132082.00	√	1054	C184T17DK26	97	208-230/460	12.8	89.5	1.25	15.20	10 : 1	S, MX
	1800	184TC	LM32774	C/A	939	SSD4BSTC61	93	230/460	——	89.5	1.25	——	10 : 1	S, MX
	1200	215TC	LM32775	C/A	1454	SSD6B5TC61	135	230/460	13.8	89.5	1.25	19.28	10 : 1	S, MX
7 1/2	3600	184TC	132244.00	√	1233	C184T34DK21	106	208-230/460	17.6	88.5	1.15	16.19	10 : 1	S, MX
	3600	184TC	LM32776	C/A	1303	SSDB7.5TC61	105	230/460	——	88.5	1.15	——	10 : 1	S, MX
	1800	213TC	140767.00	C/A	1159	C213T17DK7	132	208-230/460	20.8	91.0	1.25	16.25	10 : 1	S, MX
	1800	213TC	LM32666	√	1231	SSD4B7.5C61	115	230/460	19.2	91.0	1.25	19.28	10 : 1	S, MX
	1800	213TC	170170.60	√	1126	C213T17DK15	165	208-230/460	19.8	91.0	1.15	16.38	10 : 1	C, CN
	1200	254TC	LM32777	C/A	1804	SSD6B7.5TC61	150	230/460	——	90.2	1.25	——	10 : 1	S, US
10	3600	213TC	141111.00	√	1367	C213T34DK6	160	208-230/460	23.4	89.5	1.15	17.30	10 : 1	S, MX
	3600	213TC	LM32778	C/A	1440	SSD2B10TC61	138	230/460	26.8	89.5	1.25	17.25	10 : 1	S, MX
	3600	213TC	170171.60	√	1483	C213T3DK7	192	208-230/460	27.6	89.5	1.15	16.38	10 : 1	C, CN
	1800	215TC	140768.00	√	1315	C215T17DK6	144	208-230/460	26.8	91.9	1.25	17.25	10 : 1	S, MX
	1800	215TC	LM32649	√	1516	SSD4B10TC61	138	230/460	25.0	91.7	1.25	19.28	10 : 1	S, MX
	1800	215TC	170172.60	√	1471	C215T17DK13	198	208-230/460	25.6	91.7	1.15	18.62	10 : 1	C, CN
15	3600	215TC	170173.60	√	2049	C215T34DK9	200	208-230/460	34.6	90.2	1.15	17.87	10 : 1	C, CN
	3600	215TC	141119.00	√	1766	C215T34DK3	170	208-230/460	35.0	91.0	1.15	18.55	10 : 1	S, MX
	3600	215TC	LM32780	√	1889	SSD2B15TC61	135	230/460	35.0	90.2	1.25	——	10 : 1	S, MX
	1800	254TC	170175.60	√	2101	C254T17DK7	276	208-230/460	37.0	93.0	1.15	20.94	10 : 1	C, CN
	1800	254TC	LM32781	√	2383	CCD4B15TC61	326	230/460	37.0	93.0	1.25	23.31	10 : 1	S, US
	1200	284TC	LM31247	C/A	3365	CCD6B15TC61Y	420	230/460	41.0	91.7	1.25	——	10 : 1	C, US
	1200	284TC	LM32806	C/A	3198	SSD6B15TC61Y	355	230/460	41.0	91.7	1.25	——	10 : 1	S, US
20	3600	254TC	170070.60	√	2477	C254T34DK6	275	208-230/460	46.6	91.0	1.15	20.94	10 : 1	C, CN
	3600	254TC	LM32782	C/A	2383	CCD2B20TC61	300	230/460	46.0	91.0	1.25	——	10 : 1	S, US
	1800	256TC	170071.60	√	2557	C256T17DK6	324	208-230/460	51.0	93.0	1.15	22.60	10 : 1	C, CN
	1800	286TC	LM32783	√	2468	SSD4B20TC61	233	230/460	48.0	93.0	1.25	29.19	10 : 1	S, US
	1200	286TC	LM31248	C/A	3766	CCD6B20TC61Y	462	230/460	52.0	92.4	1.25	——	10 : 1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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C/A - Check Availability

Specifications are subject to change without notice

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Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
25	3600	256TC	171688.60	√	3100	C256T34DK6	327	208-230/460	57.0	92.5	1.15	23.03	10 : 1	C, CN
	3600	256TC	LM32784	C/A	2875	CCD2B25TC61	420	230/460	58.0	92.4	1.25	24.81	10 : 1	C, US
	1800	284TC	170073.60	√	3187	C284T17DK4	404	208-230/460	59.6	93.6	1.15	23.54	10 : 1	C, CN
	1800	284TC	LM31245	√	3380	CCD4B25TC61Y	428	230/460	62.0	93.6	1.25	24.95	10 : 1	C, US
	1800	284TSC	LM32785	√	3380	CCD4B25TSC61Y	447	230/460	62.0	93.6	1.25	23.57	10 : 1	C, US
	1200	324TC	LM14535	√	5429	SD6B25TC61Y	479	230/460	65.0	93.0	1.25	28.00	10 : 1	S, US
30	3600	284TSC	LM17382	√	4091	SD2B30TSC61Y	355	230/460	67.0	93.0	1.25	21.78	10 : 1	S, US
	1800	286TC	171377.60	√	3648	C286T17DK5	471	208-230/460	71.0	94.1	1.15	25.00	10 : 1	C, CN
	1800	286TC	LM31246	C/A	4091	SD4B30TC61Y	400	230/460	74.0	94.1	1.25	— —	10 : 1	S, US
	1800	286TSC	LM32786	√	3914	CCD4B30TSC61Y	400	230/460	74.0	94.1	1.25	25.44	10 : 1	C, US
	1200	326TC	LM13836	C/A	6232	SD6B30TC61Y	532	230/460	78.0	93.6	1.25		10 : 1	S, US
40	3600	286TSC	LM17384	√	6409	SD2B40TSC61Y	406	230/460	90.0	93.6	1.25	23.28	10 : 1	S, US
	1800	324TC	170378.60	√	4624	C324T17DK10	560	208-230/460	96.0	94.1	1.15	26.02	10 : 1	C, CN
	1800	324TC	LM13837	C/A	5950	SD4B40TC61Y	479	230/460	103.0	94.1	1.25	25.91	10 : 1	S, US
	1800	324TSC	LM32684	C/A	5950	SD4B40TSC61Y	479	230/460	104.0	94.1	1.25	— —	10 : 1	S, US
	1200	364TC	LM15571	C/A	8641	SD6B40TC61Y	724	230/460	112.0	94.1	1.25	28.35	10 : 1	S, US
50	3600	324TSC	LM13838	√	6369	SD2B50TSC61Y	479	230/460	110.0	94.1	1.25	24.41	10 : 1	S, US
	1800	326TC	170379.60	√	5476	C326T17DK4	614	208-230/460	118.0	94.5	1.15	27.52	10 : 1	C, CN
	1800	326TC	LM13839	√	7005	SD4B50TC61Y	479	230/460	130.0	94.5	1.25	27.41	10 : 1	S, US
	1800	326TSC	LM32655	√	7005	SD4B50TSC61Y	532	230/460	131.0	94.5	1.25	25.91	10 : 1	S, US
	1200	365TC	LM15574	C/A	9681	SD6B50TC61Y	775	230/460	138.0	94.5	1.25	— —	10 : 1	S, US
60	3600	326TSC	LM13840	C/A	6707	SD2B60TSC61Y	535	230/460	136.0	93.6	1.25	25.91	10 : 1	S, US
	1800	364TC	171689.60	√	6874	C364T17DK2	716	208-230/460	139.0	95.0	1.15	28.01	10 : 1	C, CN
	1800	364TSC	LM32787	√	9550	SD4B60TSC61Y	724	230/460	140.0	94.5	1.25	28.35	10 : 1	S, US
	1800	364TC	LM15570	C/A	9550	SD4B60TC61Y	724	230/460	140.0	95.0	1.25	28.35	10 : 1	S, US
	1200	404TC	LM17385	C/A	10723	SD6B60TC61Y	898	230/460	159.0	94.5	1.25	— —	2 : 1	S, US
75	3600	364TSC	LM15569	√	10095	SD2B75TSC61Y	724	230/460	164.0	95.0	1.25	26.27	10 : 1	S, US
	1800	365TC	171690.60	√	8349	C365T17BK2	766	208-230/460	172.0	95.0	1.15	31.18	10 : 1	C, CN
	1800	365TC	LM15573	√	9800	SD4B75TC61Y	775	230/460	176.0	95.0	1.25	27.27	10 : 1	S, US
	1800	365TSC	LM32656	√	9800	SD4B75TSC61Y	775	230/460	176.0	95.0	1.25	27.27	10 : 1	S, US
	1200	405TC	LM17386	C/A	13695	SD6B75TC61Y	974	230/460	210.0	95.4	1.25	— —	2 : 1	S, US
100	3600	365TSC	LM15572	C/A	11507	SD2B100TSC61Y	775	230/460	110.0	95.4	1.25	27.27	10 : 1	S, US
	1800	404TC	171691.60	√	10626	C404T17DK2	1141	208-230/460	225.0	95.4	1.15	32.76	2 : 1	C, CN
	1800	404TC	LM17387	C/A	10025	SD4B100TC61Y	898	230/460	122.0	95.4	1.25	32.16	2 : 1	S, US
	1800	404TSC	LM32788	√	10025	SD4B100TSC1Y	898	230/460	130.0	95.4	1.25	29.16	2 : 1	S, US
	1200	444TC	LM13791	C/A	16055	SD6B100TC64Y	1298	460	137.0*	95.4	1.25	37.25	2 : 1	S, US
125	3600	404TSC	LM17388	C/A	14735	SD2B125TSC61Y	898	230/460	138.0	95.0	1.25	29.16	2 : 1	S, US
	1800	405TSC	LM32657	√	11248	SD4B125TSC61Y	974	230/460	153.0	95.4	1.25	30.66	2 : 1	S, US
	1800	405TC	LM17389	C/A	11248	SD4B125TC61Y	974	230/460	153.0	95.4	1.25	33.66	2 : 1	S, US
	1200	445TC	LM13792	C/A	17339	SD6B125TC64Y	1459	460	168.0*	95.4	1.15	39.25	2 : 1	S, US
150	3600	405TSC	LM17390	C/A	17342	SD2B150TSC61Y	974	230/460	169.0	94.1	1.25	30.66	2 : 1	S, US
	1800	444TC	LM13793	C/A	15205	SD4B150TC64Y	1298	460	170.0*	95.8	1.25	— —	2 : 1	S, US
	1800	444TSC	LM32789	√	15205	SD4B150TSC64Y	1298	460	170.0*	95.8	1.25	33.50	2 : 1	S, US
	1200	447TC	LM13794	C/A	20545	SD6B150TC64Y	1459	460	200.0*	95.4	1.15	42.75	2 : 1	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

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* F.L. Amps at 460V

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View On-line Technical Information

LEESON®

Three Phase C Face Motors

Drip-Proof - General Purpose

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
200	3600	444TSC	LM13795	C/A	21255	SD2B200TSC64Y	1298	460	216.0*	95.8	1.25	33.50	2 : 1	S, US
	1800	445TC	LM13796	C/A	18708	SD4B200TC64Y	1459	460	233.0*	96.2	1.25	——	2 : 1	S, US
	1800	445TSC	LM32677	√	18708	SD4B200TSC64Y	1470	460	233.0*	96.2	1.25	35.50	2 : 1	S, US
	1200	447TC	LM13797	C/A	24274	SD6B200TC64Y	1766	460	255.0*	95.4	1.15	——	2 : 1	S, US
250	3600	445TSC	LM13798	C/A	28067	SD2B250TSC64Y	1459	460	267.0*	95.8	1.15	——	2 : 1	S, US
	3600	445TSC	LM13787	C/A	22618	SD2P250TSC64Y	1459	460	266.0*	94.5	1.15	39.74	2 : 1	S, US
	1800	445TC	LM13799	C/A	26953	SD4B250TC64Y	1459	460	293.0*	96.2	1.15	——	2 : 1	S, US
	1800	445TC	LM13788	C/A	20900	SD4P250TC64Y	1449	460	293.0*	95.4	1.25	39.25	2 : 1	S, US
	1800	445TSC	LM20695	C/A	20900	SD4P250TSC64Y	1459	460	293.0*	95.4	1.15	35.50	2 : 1	S, US
	1200	449TC	LM13841	C/A	32068	SD6B250TC64Y	1766	460	335.0*	95.4	1.00	——	2 : 1	S, US
300	3600	447TSC	LM13842	C/A	32986	SD2B300TSC64Y	1766	460	316.0*	95.8	1.15	——	2 : 1	S, US
	3600	447TSC	LM13790	C/A	26307	SD2P300TSC64Y	1766	460	316.0*	95.0	1.15	——	2 : 1	S, US
	1800	447TC	LM13843	C/A	27939	SD4B300TC64Y	1766	460	348.0*	96.2	1.15	——	2 : 1	S, US
	1800	447TC	LM15312	C/A	22097	SD4P300TC64Y	1766	460	342.0*	95.4	1.15	——	2 : 1	S, US
350	3600	447TSC	LM13845	C/A	37250	SD2B350TSC64Y	1766	460	369.0*	95.8	1.15	——	2 : 1	S, US
	3600	447TSC	LM13802	C/A	29693	SD2P350TSC64Y	1766	460	370.0*	95.0	1.15	——	2 : 1	S, US
	1800	447TC	LM13846	C/A	34890	SD4B350TC64Y	1766	460	405.0*	96.2	1.15	——	2 : 1	S, US
	1800	447TC	LM13803	C/A	25330	SD4P350TC64Y	1766	460	406.0*	95.4	1.15	——	2 : 1	S, US
400	3600	449TSC	LM13848	C/A	41702	SD2B400TSC64Y	2133	460	430.0*	96.2	1.15	——	2 : 1	S, US
	3600	449TSC	LM13805	C/A	32516	2D2P400TSC64Y	2133	460	420.0*	95.4	1.15	44.00	2 : 1	S, US
	1800	449TC	LM13849	C/A	40492	SD4B400TC64Y	2133	460	445.0*	95.8	1.15	——	2 : 1	S, US
	1800	449TC	LM13806	C/A	31394	SD4P400TC64Y	2133	460	460.0*	95.4	1.15	47.75	2 : 1	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

* F.L. Amps at 460V

▼ LM Numbers are Lincoln Models

C/A - Check Availability

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Three Phase - Totally Enclosed - C Face Less Base - Three Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/6	1800	48CZ	102662.00	√	316	C4T17FC31	15	208-230/460	0.7	71.0	1.0	9.44	2 : 1	S, MX
1/4	3600	48CZ	101965.00	√	410	C4T34NC11	15	208-230/460	1.0	67.0	1.0	9.03	2 : 1	S, US, 12
	1800	48CZ	101966.00	√	358	C4T17NC35	18	208-230/460	1.0	78.0	1.15	9.31	2 : 1	S, MX, 12
	1800	48CZ	101981.00	√	358	C4T17FC19	17	208-230/460	1.4	58.0	1.15	8.94	2 : 1	S, MX
	1800	S56C	101648.00	√	351	C4T17NC28	17	208-230/460	1.0	78.0	1.15	9.56	2 : 1	S, MX, 12
	1800	S56C	101767.00	√	351	C4T17FC9	19	208-230/460	1.4	58.0	1.15	9.69	2 : 1	S, MX
	1800	56C	LM24964	√	373	SRF4S0.25TCN61	14	230/460	1.1	71.0	1.15	11.32	2 : 1	S, US
1/3	3600	56C	110446.00	√	345	C6T34NC2	20	208-230/460	1.2	77.0	1.15	9.90	2 : 1	S, US, 12
	1800	48CZ	102664.00	√	365	C4T17FC30	20	208-230/460	1.6	64.3	1.15	9.19	2 : 1	S, MX
	1800	S56C	101769.00	√	378	C4T17FC10	20	208-230/460	1.6	64.3	1.15	9.69	2 : 1	S, MX
	1800	S56C	LM24093	√	403	SRF4S0.33TCN61	15	230/460	1.6	65.5	1.15	10.19	2 : 1	S, MX
	1800	S56C	102863.00	√	387	C4T17NC47	19	208-230/460	1.3	77.0	1.15	9.56	2 : 1	S, MX, 12
	1800	S56C	102696.00	√	529	C4T17FC33	22	208-230/460	1.3	77.0	1.25	10.19	2 : 1	S, MX
	1200	48C	101291.00	√	589	C4T11NC1	20	208-230/460	1.8	73.0	1.0	9.56	2 : 1	S, MX
	1200	56C	113311.00	√	589	C6T11FC16	22	208-230/460	1.6	65.0	1.15	10.81	2 : 1	S, US
	1200	56C	LM24858	√	616	SRF6S0.33TCN61	21	230/460	2.2	62.0	1.15	11.32	2 : 1	S, MX
1/2	3600	48C	100449.00	√	403	C4T34NC4	23	208-230/460	1.6	67.0	1.0	10.06	2 : 1	S, US, 12
	3600	56C	110144.00	√	403	C6T34NC1	25	208-230/460	1.6	82.5	1.15	10.40	2 : 1	S, US, 12
	3600	56C	114176.00	√	403	C6T34FC42	19	208-230/460	2.0	72.0	1.15	10.31	2 : 1	S, US
	3600	56C	LM24138	C/A	419	SRF2S0.5TCN61	22	230/460	2.2	66.0	1.15	11.82	2 : 1	S, US
	1800	48CZ	100486.00	√	460	C4T17NC11	24	208-230/460	1.6	78.0	1.0	10.31	2 : 1	S, MX, 12
	1800	48CZ	102666.00	√	441	C4T17FC32	24	208-230/460	2.0	73.0	1.15	9.69	2 : 1	S, MX
	1800	S56C	102861.00	√	458	C4T17NC46	23	208-230/460	1.8	77.0	1.15	10.06	2 : 1	S, MX, 12
	1800	S56C	102860.00	√	441	C4T17FC40	19	208-230/460	2.0	73.0	1.15	10.19	2 : 1	S, MX
	1800	S56C	LM24083	√	492	SRF4S0.5TCN61	17	230/460	2.2	70.0	1.15	10.69	2 : 1	S, MX
	1800	S56C	101780.00	√	567	C4T17FC12	25	208-230/460	1.8	77.0	1.15	10.69	2 : 1	S, MX
	1200	56C	110163.00	√	637	C6T11FC1	25	208-230/460	2.4	70.0	1.15	11.31	2 : 1	S, US
	1200	56C	LM24128	√	663	SRF6S0.5TCN61	23	230/460	2.7	68.0	1.15	11.82	2 : 1	S, MX
	900	143TC	LM24965	√	996	SSF8S0.5TCN61	31	230/460	2.6	66.0	1.15	13.37	2 : 1	S, US
3/4	3600	56C	110448.00	√	422	C6T34FC9	21	208-230/460	2.4	75.5	1.15	10.81	2 : 1	S, US
	3600	56C	LM24151	√	439	SRF2S0.75TCN61	22	230/460	3.2	74.0	1.15	11.82	2 : 1	S, US
	1800	56C	110047.00	√	477	C6T17FC1	22	208-230/460	2.8	77.0	1.15	10.81	2 : 1	S, US
	1800	S56C	LM24077	√	510	SRF4S0.75TCN61	21	230/460	2.8	75.5	1.15	11.19	2 : 1	S, MX
	1800	56C	114213.00	√	610	C6T17FC114	27	208-230/460	2.7	81.5	1.15	11.31	2 : 1	S, US
	1200	143TC	120097.00	√	667	C143T11FC1	32	208-230/460	3.0	80.0	1.15	10.88	2 : 1	S, US
	1200	143TC	LM24966	C/A	694	SSF6S0.75TCN61	29	230/460	3.2	74.0	1.15	12.37	2 : 1	S, US
	1200	56C	112378.00	√	667	C6T11FC10	29	208-230/460	3.0	75.5	1.15	11.81	2 : 1	S, US
	1200	56C	LM24153	C/A	694	SRF6S0.75TCN61	26	230/460	3.2	74.0	1.15	14.20	2 : 1	S, MX
	900	145TC	LM24967	√	1134	SSF8S0.75TCN61	49	230/460	4.2	70.0	1.15	14.87	2 : 1	S, US

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

LEESON®

Three Phase C Face Motors

Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face Less Base - Three Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1	3600	56C	110112.00	√	496	C6T34FC6	21	208-230/460	3.2	77.0	1.15	10.81	10 : 1	S, US
	3600	56C	LM24139	√	520	SRF2S1TCN61	24	230/460	3.7	74.0	1.15	11.82	2 : 1	S, US
	3600	56C	116748.00	√	670	C6T34FC97	29	208-230/460	2.8	80.0	1.25	11.31	10 : 1	S, US
	1800	143TC	G120024.00	√	579	C143T17FC23	34	208-230/460	3.1	82.5	1.15	11.28	10 : 1	S, US
	1800	143TC	LM24148	√	629	SSF4P1TCN61	28	230/460	3.6	82.5	1.25	12.87	10 : 1	S, MX
	1800	56C	110048.00	√	509	C6T17FC2	24	208-230/460	3.8	77.0	1.15	11.31	2 : 1	S, US
	1800	56C	LM24080	√	545	SRF3S1TCN61	27	230/460	3.6	77.0	1.15	12.32	2 : 1	S, MX
	1800	56C	114638.00	√	849	C6T17FC132	34	208-230/460	3.4	85.5	1.15	12.81	10 : 1	S, US
	1800	143TC	121067.00	√	849	C143T17FC16	36	208-230/460	3.4	85.5	1.15	13.25	10 : 1	S, US
	1200	145TC	G120098.00	√	718	C145T11FC9	35	208-230/460	3.6	80.0	1.15	12.28	10 : 1	S, US
	1200	145TC	LM32846	√	783	SSF6P1TCN61	33	230/460	3.6	82.5	1.15	12.50	10 : 1	S, US
	1200	56C	112379.00	√	654	C6T11FC11	32	208-230/460	4.0	77.0	1.15	12.31	2 : 1	S, US
	1200	56HC	LM24130	√	684	SRF6S1TCN61	33	230/460	4.0	78.5	1.15	12.82	2 : 1	S, MX
	1200	56C	116749.00	√	892	C6T11FC29	47	208-230/460	3.8	82.5	1.25	13.75	10 : 1	S, US
1 1/2	3600	143TC	G120105.00	√	622	C143T34FC18	27	208-230/460	4.0	82.5	1.15	11.78	10 : 1	S, US
	3600	143TC	LM32810	C/A	648	SSF2P1.5TCN61	27	230/460	––	82.5	1.15	––	10 : 1	S, MX
	3600	56C	110192.00	√	547	C6T34FC5	28	208-230/460	4.2	81.5	1.15	11.81	2 : 1	S, US
	3600	56C	LM24096	√	570	SRF2S1.5TCN61	26	230/460	4.6	80.0	1.15	13.82	2 : 1	S, US
	3600	56C	116750.00	√	761	C6T34FC98C	33	208-230/460	4.0	84.0	1.25	11.98	2 : 1	S, US
	1800	145TC	G120037.00	√	604	C145T17FC62	36	208-230/460	4.4	84.0	1.15	12.13	10 : 1	S, US
	1800	145TC	LM24149	√	447	SSF4P1.5TCN61	31	230/460	4.4	84.0	1.25	14.37	2 : 1	S, MX
	1800	56C	110125.00	√	539	C6T17FC3	29	208-230/460	5.0	78.5	1.15	11.81	2 : 1	S, US
	1800	56C	LM24112	√	578	SRF4S1.5TCN61	29	230/460	4.8	80.0	1.15	12.32	2 : 1	S, MX
	1800	56C	116743.00	√	895	C6T17FC209	41	208-230/460	4.8	86.5	1.25	13.31	10 : 1	S, US
	1800	145TC	121066.00	√	895	C145T17FC37	41	208-230/460	4.8	86.5	1.15	13.75	10 : 1	S, US
	1200	182TC	G132249.00	√	839	C182T11FC4	82	208-230/460	5.6	85.5	1.15	14.96	10 : 1	S, MX
	1200	56C	113634.00	√	746	C6T11FC18	39	208-230/460	5.7	77.0	1.15	13.31	2 : 1	S, US
	1200	182TC	LM32847	C/A	924	SSF6S1.5TCN61	69	230/460	5.9	85.5	1.15	15.10	10 : 1	S, MX
2	3600	145TC	G120061.00	√	686	C145T34FC38	44	208-230/460	5.2	84.0	1.15	11.78	10 : 1	S, US
	3600	145TC	LM32678	C/A	745	SSF2P2TCN61	45	230/460	5.2	84.0	1.15	13.37	10 : 1	S, US
	3600	56C	111273.00	√	622	C6T34FC22	36	208-230/460	5.6	82.5	1.15	12.31	2 : 1	S, US
	3600	56C	LM24132	√	650	SRF2S2TCN61	29	230/460	6.0	82.5	1.15	12.32	2 : 1	S, US
	3600	56C	116751.00	√	880	C6T34FC94	44	208-230/460	4.8	85.5	1.25	14.25	10 : 1	S, US
	1800	145TC	G120038.00	√	621	C145T17FC105	44	208-230/460	5.6	84.0	1.15	12.12	10 : 1	S, US
	1800	145TC	LM24125	√	683	SSF4P2TCN61	39	230/460	5.6	84.0	1.25	13.87	10 : 1	S, MX
	1800	56C	110451.00	√	573	C6T17FC9	34	208-230/460	6.2	81.5	1.15	12.81	2 : 1	S, US
	1800	56C	LM24084	√	616	SRF4S2TCN61	39	230/460	5.8	82.5	1.15	13.82	2 : 1	S, MX
	1800	56C	116744.00	√	940	C6T17FC210	45	208-230/460	5.8	86.5	1.25	13.82	10 : 1	S, US
	1800	145TC	121065.00	√	940	C145T17FC38	45	208-230/460	5.8	86.5	1.25	14.26	10 : 1	S, US
	1200	184TC	G131525.00	√	914	C184T11FC10	75	208-230/460	7.4	86.5	1.15	13.97	10 : 1	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

C/A - Check Availability

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LEESON

Three Phase - Totally Enclosed - C Face Less Base - Three Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
3	3600	145TC	G120993.00	√	776	C145T34FC39	60	208-230/460	8.4	85.5	1.15	13.42	2 : 1	S, US
	3600	145TC	LM32848	√	850	SSF2S3TCN61	40	208-230/460	7.6	85.5	1.15	13.42	2 : 1	S, US
	3600	56C	111630.00	√	707	C6T34FC28	37	208-230/460	7.6	84.0	1.15	12.81	2 : 1	S, US
	3600	56C	LM24975	C/A	742	SRF2S3TCN61	40	230/460	7.6	84.0	1.15	13.32	2 : 1	S, US
	3600	182TC	G131513.00	√	856	C182T34FC6A	55	208-230/460	8.0	84.0	1.15	13.97	2 : 1	S, MX
	1800	182TC	G131491.00	√	770	C182T17FC35A	67	208-230/460	8.2	87.5	1.15	13.96	2 : 1	S, MX
	1800	182TC	LM16298	√	823	AAF4P3TCN61	91	230/460	8.4	87.5	1.25	14.94	2 : 1	A, US
	1800	182TC	LM33574	√	823	AAF4P3TCN61AP26	91	230/460	8.4	87.5	1.25	14.94	2 : 1	A, MX
	1800	56C	113890.00	√	765	C6T17FC91	43	208-230/460	8.6	82.5	1.0	13.81	2 : 1	S, US
	1800	182TC	LM33337	C/A	770	SSF4P3TCN61	67	230/460	8.2	87.5	1.15	13.96	2 : 1	S, MX
	1800	182TC	131503.00	√	1007	C182T17FC26	72	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
	1800	182TC	LM33573	√	1007	AAF4B3TCN61AP26	95	230/460	8.0	89.5	1.25	15.94	10 : 1	A, MX
	1800	182TC	LM16824	√	1007	AAF4B3TCN61	95	230/460	8.0	89.5	1.25	15.94	10 : 1	A, US
	1200	213TC	G141114.00	√	1300	C213T11FC1	133	208-230/460	14.4	87.5	1.15	17.71	2 : 1	S, MX
	1200	213TC	LM32850	C/A	1292	SSF6P3TCN61	75	230/460	9.2	87.5	1.15	20.96	2 : 1	S, MX
5	3600	184TC	G131514.00	√	908	C184T34FC23A	79	208-230/460	12.0	87.5	1.15	14.47	10 : 1	S, MX
	1800	184TC	G131492.00	√	887	C184T17FC46	80	208-230/460	12.8	87.5	1.15	14.97	2 : 1	S, MX
	1800	184TC	LM16299	√	941	AAF4P5TCN61	104	230/460	13.0	87.5	1.25	15.94	2 : 1	A, US
	1800	184TC	LM33489	√	941	AAF4P5TCN61AP26	104	230/460	13.0	87.5	– –	15.94	2 : 1	A, MX
	1800	184TC	131501.00	√	1088	C184T17FC29	90	208-230/460	12.8	89.5	1.15	15.97	10 : 1	S, MX
	1800	184TC	LM33575	√	1167	AAF4B5TCN61AP26	104	208-230/460	13.7	90.2	1.25	16.94	10 : 1	A, MX
	1800	184TC	LM16825	√	1167	AAF4B5TCN61	104	208-230/460	13.7	90.2	1.25	16.94	10 : 1	A, US
	1200	215TC	G140535.00	√	1500	C215T11FC3	142	208-230/460	17.6	87.5	1.15	18.21	2 : 1	S, MX
	1200	215TC	LM32851	C/A	1751	SSF6P5TCN61	80	230/460	– –	87.5	1.15	– –	2 : 1	S, MX
7 1/2	3600	184TC	G131510.00	√	1115	C184T34FC22A	90	208-230/460	16.8	88.5	1.0	15.97	2 : 1	S, MX
	3600	S213TC	G131912.00	√	1145	C184T34FC24A	91	208-230/460	16.8	88.5	1.0	16.96	2 : 1	S, MX
	3600	213TC	G151345.60	√	1224	C213T34FC43	150	208-230/460	17.8	88.5	1.25	18.95	2 : 1	C, CN
	3600	213TC	LM32852	C/A	1409	SSF2P7.5TCN61	80	230/460	– –	88.5	1.15	– –	2 : 1	S, MX
	1800	213TC	G141113.00	√	1101	C213T17FC9	144	208-230/460	20.4	89.5	1.15	17.71	2 : 1	S, MX
	1800	213TC	LM16300	C/A	1191	AF4P7.5TCN61	138	230/460	20.0	89.5	1.25	17.20	2 : 1	A, US
	1800	213TC	LM32853	√	1237	SSF4P7.5TCN61	103	230/460	20.0	89.5	1.15	19.46	2 : 1	S, MX
	1800	213TC	G151346.60	√	1151	C213T17FC42	153	208-230/460	19.2	89.5	1.25	18.95	2 : 1	C, CN
	1800	213TC	140486.00	√	1265	C213T17FC7	144	208-230/460	21.4	91.7	1.25	18.70	2 : 1	S, MX
	1800	213TC	LM16826	C/A	1598	AF4B7.5TCN61	138	230/460	20.0	91.0	1.25	17.48	2 : 1	A, US
10	3600	213TC	G140690.00	√	1408	C215T34FC4	112	208-230/460	23.6	90.2	1.15	20.57	2 : 1	S, MX
	3600	215TC	G151347.60	√	1437	C215T34FC43	160	208-230/460	23.6	90.2	1.25	20.36	2 : 1	C, CN
	3600	215TC	LM24987	C/A	1408	SSF2P10TCN61	102	230/460	24.0	89.5	1.15	20.96	2 : 1	S, MX
	1800	215TC	G140109.00	√	1272	C215T17FC10	158	208-230/460	26.0	91.0	1.15	20.57	2 : 1	S, MX
	1800	215TC	LM16827	C/A	1889	AF4B10TCN61	149	230/460	– –	91.0	1.25	– –	10 : 1	A, US
	1800	215TC	LM32855	C/A	1487	SSF4P10TCN61	135	230/460	– –	89.5	1.15	– –	2 : 1	S, MX
	1800	215TC	140484.00	√	1527	C215T17FC4	160	208-230/460	26.6	91.7	1.25	19.70	10 : 1	S, MX
	1800	215TC	G151348.60	√	1354	C215T17FC42	173	208-230/460	25.2	91.0	1.25	20.36	2 : 1	C, CN
	1800	215TC	LM16301	√	1427	AF4P10TCN61	149	230/460	27.0	89.5	1.25	19.63	2 : 1	A, US

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

C/A - Check Availability

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View On-line Technical Information

Three Phase C Face Motors

Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face Less Base - Three Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
15	3600	215TC	G140691.00	√	1891	C215T34FC5	158	208-230/460	36.0	90.2	1.15	20.57	2 : 1	S, MX
	3600	215TC	LM32832	C/A	2283	SSF2P15TCN61	125	230/460	– –	90.2	1.15	– –	2 : 1	S, MX
	3600	215TC	G151349.60	√	2005	C215T34FC44	240	208-230/460	35.0	90.2	1.25	23.80	2 : 1	C, CN
	1800	254TC	G151350.60	√	1942	C254T17FC5	262	208-230/460	37.0	91.0	1.25	23.80	2 : 1	C, CN
	1800	254TC	LM16828	C/A	2586	AF4B15TCN61	221	230/460	40.0	92.4	1.25	23.90	10 : 1	A, US
	1800	254TC	LM16302	√	2090	AF4P15TCN61	221	230/460	39.0	91.0	1.25	23.40	2 : 1	A, US
20	3600	256TC	G151351.60	√	2546	C256T34FC5	252	208-230/460	46.2	90.2	1.25	25.50	2 : 1	C, CN
	1800	256TC	G151352.60	√	2390	C256T17FC4	315	208-230/460	48.2	91.0	1.25	25.50	2 : 1	C, CN
	1800	256TC	LM16829	C/A	3099	AF4B20TCN61	248	230/460	52.0	93.0	1.25	25.57	10 : 1	A, US
	1800	256TC	LM16303	C/A	2460	AF4P20TCN61	248	230/460	54.0	91.0	1.25	25.57	2 : 1	A, US
25	1800	284TC	G151507.60	√	3048	C284T17FC5A	355	208-230/460	58.8	92.4	1.15	26.26	2 : 1	C, CN
30	1800	286TC	G151508.60	√	3637	C286T17FC5	422	208-230/460	69.8	92.4	1.15	27.83	2 : 1	C, CN
40	1800	324TC	G151509.60	√	4643	C324T17FC5	562	208-230/460	94.0	93.0	1.15	29.53	2 : 1	C, CN
50	1800	326TC	G151510.60	√	5375	C326T17FC5	620	208-230/460	118.0	93.0	1.15	31.02	2 : 1	C, CN
60	1800	364TC	G151519.60	√	8104	C364T17FC10	689	208-230/460	138.0	95.4	1.15	32.64	2 : 1	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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LEESON®

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/4	1800	S56	LM24946	C/A	397	SRF4S0.25TC61	21	230/460	1.3	62.5	1.15	9.94	2 : 1	S, US
1/3	1800	S56C	102921.00	√	422	C4T17NK3	18	208-230/460	1.3	77.0	1.15	9.56	2 : 1	S, 12, MX
	1800	S56C	102922.00	√	420	C4T17FK11	19	208-230/460	1.3	77.0	1.15	10.19	2 : 1	S, MX
	1800	S56C	LM24114	√	439	SRF4S0.33TC61	21	230/460	1.6	65.5	1.15	10.10	2 : 1	S, MX
	1800	S56C	102697.00	√	539	C4T17FK5	22	208-230/460	1.3	77.0	1.25	10.19	2 : 1	S, MX
	1200	56C	LM24948	C/A	647	SRF6S0.33TC61	22	230/460	2.2	62.0	1.15	11.31	2 : 1	S, US
1/2	3600	56C	110182.00	√	417	C6T344NK1	26	208-230/460	1.6	82.5	1.15	10.40	2 : 1	S, 12, US
	3600	56C	114142.00	√	417	C6T34FK46	21	208-230/460	2.6	68.0	1.15	10.81	2 : 1	S, US
	3600	56C	LM24129	√	447	SRF2S0.5TC61	22	230/460	2.2	69.0	1.15	11.81	2 : 1	S, US
	1800	S56C	102919.00	√	487	C4T17NK2	22	208-230/460	2.0	77.0	1.15	10.06	2 : 1	S, 12, MX
	1800	S56C	102917.00	√	487	C4T17FK10	19	208-230/460	2.0	73.0	1.15	10.19	2 : 1	S, MX
	1800	S56C	LM24074	√	494	SRF4S0.5TC61	18	230/460	2.2	70.0	1.15	10.69	2 : 1	S, MX
	1800	S56C	102024.00	√	580	C4T17FK2	23	208-230/460	1.8	77.0	1.15	10.69	2 : 1	S, MX
	1200	56C	110914.00	√	655	C6T11FK1	25	208-230/460	2.4	70.0	1.15	11.31	2 : 1	S, US
	1200	56C	LM24104	√	694	SRF6S0.5TC61	24	230/460	2.7	68.0	1.15	11.81	2 : 1	S, MX
	900	143TC	LM24949	√	996	SSF8S0.5TC61	31	230/460	2.6	66.0	1.15	13.37	2 : 1	S, US
3/4	3600	56C	110915.00	√	451	C6T34FK6	23	208-230/460	2.4	75.5	1.15	10.81	2 : 1	S, US
	3600	56C	LM24134	√	491	SRF2S0.75TC61	22	230/460	3.2	74.0	1.15	11.81	2 : 1	S, US
	1800	56C	110916.00	√	524	C6T17FK5	22	208-230/460	2.8	77.0	1.15	10.81	2 : 1	S, US
	1800	S56C	LM24076	√	527	SRF4S0.75TC61	20	230/460	2.8	75.5	1.15	11.19	2 : 1	S, MX
	1800	56C	114624.00	√	623	C6T17FK58	25	208-230/460	2.7	81.5	1.25	11.31	2 : 1	S, US
	1200	56C	116340.00	√	686	C6T11FK12	29	208-230/460	3.0	75.5	1.15	11.81	2 : 1	S, US
	1200	56C	LM24140	√	709	SRF6S0.75TC61	26	230/460	3.2	74.0	1.15	12.31	2 : 1	S, MX
	1200	143TC	120485.00	√	686	C143T11FK2	34	208-230/460	3.0	75.5	1.15	13.25	2 : 1	S, US
	1200	143TC	LM24273	√	709	SSF6S0.75TC61	28	230/460	3.2	74.0	1.15	12.37	2 : 1	S, MX
	900	145TC	LM24265	√	1134	SSF8S0.75TC61	49	230/460	4.8	70.0	1.15	14.87	2 : 1	S, US
1	3600	56C	110181.00	√	535	C6T34FK1	24	208-230/460	3.2	77.0	1.15	10.81	10 : 1	S, US
	3600	56C	LM24126	√	566	SRF2S1TC61	25	230/460	3.7	74.0	1.15	11.81	2 : 1	S, US
	1800	56C	110912.00	√	558	C6T17FK6	24	208-230/460	3.6	77.0	1.15	11.31	2 : 1	S, US
	1800	56C	LM24079	√	546	SRF4S1TC61	28	230/460	3.6	77.0	1.15	12.31	2 : 1	S, MX
	1800	56C	116745.00	√	878	C6T17FK98	34	208-230/460	3.4	85.5	1.25	12.81	10 : 1	S, US
	1800	143TC	121179.00	√	878	C143T17FK9	34	208-230/460	3.4	85.5	1.15	13.25	10 : 1	S, US
	1800	143TC	LM32822	√	741	SSF4B1TC61	41	208-230/460	3.2	85.5	1.25	12.93	10 : 1	S, US
	1800	145TC	121936.00	√	859	C145T11FK7	47	208-230/460	3.8	81.5	1.25	13.75	10 : 1	S, US
	1200	56HC	LM24349	√	716	SRF6S1TC61	38	230/460	4.0	78.5	1.15	12.82	2 : 1	S, MX
	1200	145TC	LM32823	√	884	SSF6B1TC61	47	230/460	3.8	82.5	1.25	14.87	10 : 1	S, US
	900	182TC	LM32692	C/A	1269	AAF8P1TC61	75	230/460	– –	74.0	1.15	– –	2 : 1	A, US
	900	182TC	LM33566	C/A	1269	AAF8P1TC61AP26	75	230/460	– –	74.0	1.15	– –	2 : 1	A, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

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View On-line Technical Information

LEESON

Three Phase C Face Motors

Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1 1/2	3600	56C	110917.00	√	600	C6T34FK7	29	208-230/460	4.2	81.5	1.15	11.81	2 : 1	S, US
	3600	56C	LM24135	√	616	SRF2S1.5TC61	41	230/460	4.6	80.0	1.15	11.82	2 : 1	S, US
	3600	143TC	121672.00	√	793	C143T34FK15	33	208-230/460	3.6	84.0	1.25	13.25	10 : 1	S, US
	3600	143TC	LM32824	C/A	745	SSF2B1.5TC61	41	230/460	4.0	84.0	1.15	13.37	10 : 1	S, US
	1800	56C	110918.00	√	589	C6T17FK7	30	208-230/460	5.0	78.5	1.15	11.81	2 : 1	S, US
	1800	56HC	LM24095	√	577	SRF4S1.5TC61	31	230/460	4.8	80.0	1.15	12.32	2 : 1	S, MX
	1800	56C	116746.00	√	910	C6T17FK96	37	208-230/460	5.6	86.5	1.25	13.31	10 : 1	S, US
	1800	145TC	121180.00	√	910	C145T17FK26	37	208-230/460	5.6	86.5	1.15	13.75	10 : 1	S, US
	1800	145TC	LM32825	√	775	SSF4B1.5TC51	44	230/460	4.6	86.5	1.15	14.37	10 : 1	S, US
	1200	56HC	114198.00	√	790	C6T11FK6	41	208-230/460	5.7	77.0	1.15	13.31	2 : 1	S, US, 47
	1200	56HCZ	116592.00	√	790	C6T11FK15	44	208-230/460	5.7	77.0	1.15	13.75	2 : 1	S, US, 32
	1200	182TC	LM16728	√	1048	AAF6B1.5TC61	95	230/460	4.4	87.5	1.25	15.83	10 : 1	A, US
	1200	182TC	LM33567	C/A	1048	AAF6B1.5TC61AP26	95	230/460	4.4	87.5	1.25	15.83	10 : 1	A, MX
	1200	182TC	LM32826	C/A	1043	SSF6B1.5TC61	54	230/460	– –	87.5	1.15	– –	10 : 1	S, MX
	900	184TC	LM32827	C/A	1525	AAF8P1.5TC61	75	230/460	– –	77.0	1.15	– –	2 : 1	A, US
	900	184TC	LM33568	C/A	1525	AAF8P1.5TC61AP26	75	230/460	– –	77.0	1.15	– –	2 : 1	A, MX
2	3600	56C	113927.00	√	679	C6T34FK44	34	208-230/460	5.6	82.5	1.15	12.31	2 : 1	S, US
	3600	56HC	LM24121	√	684	SRF2S2TC61	38	230/460	6.0	82.5	1.15	12.32	2 : 1	S, US
	3600	145TC	121673.00	√	812	C145T34FK39	44	208-230/460	4.8	85.5	1.25	13.75	10 : 1	S, US
	3600	145TC	LM32828	√	849	SSF2B2TC61	40	208-230/460	4.8	85.5	1.25	13.43	10 : 1	S, US
	1800	56HC	116106.00	√	629	C6T17FK76	36	208-230/460	6.2	81.5	1.15	12.81	2 : 1	S, US
	1800	56HC	LM24081	√	586	SRF4S2TC61	50	230/460	5.2	82.5	1.15	13.82	2 : 1	S, MX
	1800	56HC	116747.00	√	951	C6T17FK97	43	208-230/460	5.8	86.5	1.25	13.82	10 : 1	S, US
	1800	145TC	121181.00	√	951	C145T17FK27	43	208-230/460	5.8	86.5	1.25	14.26	10 : 1	S, US
	1800	145TC	LM32829	√	841	SSF4B2TC61	46	230/460	6.0	86.5	1.15	14.87	10 : 1	S, MX
	1200	184TC	132243.00	√	1086	C184T11FK6	93	208-230/460	7.2	88.5	1.15	15.96	10 : 1	S, MX
	1200	184TC	LM16739	√	1158	AAF6B2TC61	104	230/460	6.0	88.5	1.25	16.83	10 : 1	A, US
	1200	184TC	LM33569	C/A	1158	AAF6B2TC61AP26	104	230/460	6.0	88.5	1.25	16.83	10 : 1	A, MX
	1200	184TC	LM32830	C/A	1116	SSF6B2TC61	56	230/460	– –	88.5	1.15	– –	– –	S, MX
	900	213TC	LM32831	C/A	1802	AAF8P2TC61	107	230/460	7.3	82.5	1.15	17.95	10 : 1	A, US

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♥ Note listing on inside back flap

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View On-line Technical Information

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
3	3600	56HC	114615.00	√	757	C6T34FK55	38	208-230/460	7.6	84.0	1.15	12.81	2 : 1	S, US, 47
	3600	56HC	LM24953	C/A	791	SRF2S3TC61	53	230-460	7.2	84.0	1.15	13.32	2 : 1	S, US
	3600	145TC	121929.00	√	997	C145T34FK43	45	208-230/460	7.6	86.5	1.15	13.76	10 : 1	S, US
	3600	182TC	132079.00	√	1173	C182T34FK10	70	208-230/460	7.6	86.5	1.25	13.96	10 : 1	S, MX
	3600	182TC	LM16741	√	1147	AAF2B3TC61	95	230/460	7.6	87.5	1.25	15.83	10 : 1	A, US
	3600	182TC	LM33570	√	1147	AAF2B3TC61AP26	95	230/460	7.6	87.5	1.25	15.83	10 : 1	A, MX
	3600	182TC	171564.60	√	1163	C182T34FK14A	90	208-230/460	7.6	86.5	1.15	15.89	10 : 1	C, CN
	3600	182TC	LM62016	√	1105	CCF2B3TC61AP21	97	230/460	– –	86.5	1.25	– –	– –	C, CN
	1800	56HC	116107.00	√	797	C6T17FK77	45	208-230/460	8.6	82.5	1.0	13.81	2 : 1	S, US, 47
	1800	56HCZ	116388.00	√	797	C6T17FK90	46	208-230/460	8.6	82.5	1.0	14.25	2 : 1	S, US, 32
	1800	182TC	131504.00	√	1027	C182T17FK14	75	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
	1800	182TC	LM16742	√	1007	AAF4B3TC61	75	230/460	8.0	89.5	1.25	15.83	10 : 1	A, US
	1800	182TC	LM33485	√	1007	AAF4B3TC61AP26	75	230/460	8.0	89.5	1.25	15.83	10 : 1	A, MX
	1800	182TC	171565.60	√	1144	C182T17FK27	104	208-230/460	7.8	89.5	1.15	15.89	10 : 1	C, CN
	1800	182TC	LM62017	√	1086	CCF4B3TC61AP21	104	230/460	8.0	90.2	1.15	16.93	10 : 1	C, CN
	1200	215TC	140834.00	√	1467	C215T11FK9	170	230/460	9.4	89.5	1.15	18.21	10 : 1	S, MX
	1200	213TC	LM16744	√	1648	AF6B3TC61	90	230/460	– –	89.5	1.15	– –	10 : 1	S, MX
	1200	213TC	LM32833	C/A	1395	SSF6B3TC61	90	230/460	– –	89.5	1.15	– –	10 : 1	S, MX
	900	215TC	LM32834	C/A	1905	AF8P3TC61	125	230/460	– –	84.0	1.15	– –	2 : 1	A, US
5	3600	184TC	171446.60	√	1209	C184T34FK44	105	208-230/460	12.0	88.5	1.15	16.80	10 : 1	C, CN
	3600	184TC	132080.00	√	1159	C184T34FK32	100	208-230/460	12.0	88.5	1.25	16.46	10 : 1	S, MX
	3600	184TC	LM16745	√	1298	AAF2B5TC61	104	230/460	11.8	89.5	1.25	16.83	10 : 1	A, US
	3600	184TC	LM62019	√	1148	CCF2B5TC61AP21	105	230/460	12.0	88.5	1.15	16..80	10 : 1	C, CN
	1800	184TC	171566.60	√	1187	C184T17FK35	109	208-230/460	12.8	89.5	1.15	16.80	10 : 1	C, CN
	1800	184TC	131502.00	√	1112	C184T17FK15	99	208-230/460	12.8	89.5	1.15	15.97	10 : 1	S, MX
	1800	184TC	LM16747	√	1167	AAF4BTC61	104	230/460	12.4	90.2	1.25	16.83	10 : 1	A, US
	1800	184TC	LM33484	√	1167	AAF4B5TC61AP26	104	230/460	12.4	90.2	1.25	16.83	10 : 1	A, MX
	1800	184TC	LM62020	√	1128	CCF4B5TC61AP21	109	230/460	12.8	89.5	1.25	16.80	10 : 1	C, CN
	1200	215TC	171116.60	√	1827	C215T11FB11	180	208-230/460	14.4	89.5	1.15	19.61	10 : 1	C, CN
	1200	215TC	LM16748	√	1889	AF6B5TC61	149	230/460	13.8	89.5	1.25	19.45	10 : 1	A, US
	1200	215TC	LM32835	C/A	1658	SSF6B5TC61	149	230/460	– –	89.5	1.15	– –	10 : 1	S, MX
	900	254TC	LM32836	C/A	2666	AF8P5TC61	167	230/460	15.0	87.5	1.15	23.40	10 : 1	A, US
7 1/2	3600	184TC	132313.00	C/A	1260	C184T34FK48	103	208-230/460	17.6	89.5	1.15	13.97	10 : 1	S, MX
	3600	213TC	140770.00	√	1431	C215T34FK11	160	208-230/460	17.8	90.2	1.15	19.64	10 : 1	S, MX
	3600	213TC	LM16750	C/A	1569	AAF2B7.5TC61	138	230/460	17.8	90.2	1.25	19.45	10 : 1	A, US
	3600	213TC	LM32837	√	1452	SSF2B7.5TC61	110	230/460	17.8	90.2	1.25	20.97	10 : 1	S, MX
	3600	213TC	170166.60	√	1424	C213T34FK5	156	208-230/460	18.0	89.5	1.15	18.19	10 : 1	C, CN
	3600	213TC	LM62085	√	1352	CCF2B7.5TC61AP21	155	230/460	18.0	89.5	1.25	18.19	10 : 1	C, CN
	1800	213TC	140521.00	√	1271	C213T17FK7	144	208-230/460	21.4	91.7	1.25	18.70	10 : 1	S, MX
	1800	213TC	LM32838	C/A	1378	SSF4B7.5TC61	135	230/460	18.8	91.7	1.15	19.47	10 : 1	S, MX
	1800	213TC	170165.60	√	1364	C286T17DK5AA	155	208-230/460	18.6	91.7	1.15	18.19	10 : 1	C, CN
	1800	213TC	LM16752	√	1535	AF4B7.5TC61	138	230/460	19.2	91.6	1.25	19.45	10 : 1	A, US
	1800	213TC	LM62024	√	1296	CCF4B7.5TC61AP21	160	230/460	18.6	91.7	1.25	18.19	10 : 1	C, CN
	1200	254TC	170138.60	√	2631	C254T11FB9	249	208-230/460	22.2	91.0	1.15	23.19	10 : 1	C, CN
	1200	254TC	LM16753	√	2585	AAF6B7.5TC61	221	230/460	19.8	91.0	1.25	23.40	10 : 1	A, US
	900	256TC	LM32839	√	3133	AF8P7.5TC61	203	230/460	23.0	86.5	1.15	25.15	10 : 1	A, US

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♥ Note listing on inside back flap

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View On-line Technical Information

LEESON

Three Phase C Face Motors

Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
10	3600	215TC	140769.00	√	1618	C213T34FK1	175	208-230/460	23.6	91.7	1.15	21.09	10 : 1	S, MX
	3600	215TC	LM32840	√	1817	SSF2B10TC1	125	230/460	23.6	91.7	1.25	22.22	10 : 1	S, MX
	3600	215TC	170168.60	√	1668	C215T34FK15	181	208-230/460	23.4	90.2	1.15	19.61	10 : 1	C, CN
	3600	215TC	LM16755	√	1889	AF2B10TC61	149	230/460	23.6	91.7	1.25	20.45	10 : 1	A, US
	3600	213TC	LM62025	√	1585	CCF2B10TC61AP21	181	230/460	— —	90.2	1.25	19.61	10 : 1	C, CN
	1800	215TC	140522.00	√	1535	C215T17FK3	160	208-230/460	26.6	91.7	1.25	19.70	10 : 1	S, MX
	1800	215TC	LM32841	√	1522	SSF4B10TC61	135	230/460	25.6	91.7	1.25	20.97	10 : 1	S, MX
	1800	215TC	170167.60	√	1561	C215T17FK20	177	208-230/460	25.0	91.7	1.15	19.61	10 : 1	C, CN
	1800	215TC	LM16757	√	1888	AF4B10TC61A	149	230/460	25.0	91.7	1.25	— —	10 : 1	A, US
	1800	215TC	LM62026	√	1515	CCF4B10TC61AP21	181	230/460	— —	91.7	1.25	19.61	10 : 1	C, CN
	1200	256TC	170139.60	√	2932	C256T11FB11	300	208-230/460	29.0	91.0	1.15	24.92	10 : 1	C, CN
	1200	256TC	LM16759	√	3231	AF6B10TC61	248	230/460	26.2	91.0	1.25	25.15	— —	A, US
15	3600	254TC	171586.60	√	2560	C254T34FK8	292	208-230/460	34.6	91.7	1.25	23.19	10 : 1	C, CN
	3600	254TC	LM16761	C/A	2585	AF2B15TC61	221	230/460	35.0	91.7	1.25	23.40	— —	A, US
	3600	254TC	LM62028	√	2432	CCF2B15TC61AP21	282	230/460	34.5	92.4	1.25	23.75	10 : 1	C, CN
	1800	254TC	171587.60	√	2683	C254T17FK8	290	208-230/460	36.0	92.4	1.25	23.19	10 : 1	C, CN
	1800	254TC	LM16762	√	2660	AF4B15TC61	221	230/460	37.5	92.4	1.25	23.40	10 : 1	A, US
	1800	254TC	LM62029	√	2550	CCF4B15TC61AP21	280	208-230/460	36.0	92.4	1.25	23.19	10 : 1	C, CN
	1200	284TC	170104.60	√	4368	C284T11FB9	333	208-230/460	40.6	91.7	1.15	26.26	10 : 1	C, CN
	1200	284TC	LM16764	C/A	4371	AF6B15TC61Y	370	230/460	47.0	1.7	1.25	26.51	10 : 1	A, US
20	3600	256TC	171588.60	√	3145	C256T34FK3	326	208-230/460	46.0	92.4	1.25	24.92	10 : 1	C, CN
	3600	256TC	LM16766	C/A	3253	AF2B20TC61	248	230/460	44.0	91.7	1.25	25.57	10 : 1	A, US
	3600	256TC	LM62031	√	2988	CCF2B20TC61AP21	316	230/460	46.0	92.4	1.15	25.48	10 : 1	C, CN
	1800	256TC	171589.60	√	3204	C256T17FK8	332	208-230/460	49.0	93.0	1.25	24.92	10 : 1	C, CN
	1800	256TC	LM16767	√	2892	AF4B20TC61	248	230/460	48.0	93.0	1.25	25.15	10 : 1	A, US
	1800	256TC	LM62032	√	3043	CCF4B20TC61AP21	332	230/460	50.0	93.0	1.25	25.48	10 : 1	C, CN
	1200	286TC	LM16769	√	5673	AF6B20TC61Y	415	230/460	61.0	91.7	1.25	28.01	10 : 1	A, US
25	3600	284TC	170619.60	√	3469	C284T34FK8	393	208-230/460	56.8	93.0	1.15	24.88	10 : 1	C, CN
	3600	284TSC	171590.60	√	3952	C284T34FK5	393	208-230/460	56.8	93.0	1.25	25.88	10 : 1	C, CN
	3600	284TSC	LM16770	C/A	4375	AF2B25TSC61Y	370	230/460	56.0	91.7	1.25	25.13	10 : 1	A, US
	3600	284TSC	LM62034	√	3754	CCF2B25TSC61AP21	383	230/460	56.8	91.7	1.25	24.88	10 : 1	C, CN
	1800	284TC	171591.60	√	4089	C284T17FK5	395	208-230/460	59.0	94.0	1.25	26.26	10 : 1	C, CN
	1800	284TC	LM16772	√	3878	AF4B25TC61Y	370	230/460	64.0	93.6	1.25	26.51	10 : 1	A, US
	1800	284TSC	LM32654	√	3855	AF4B25TSC61Y	370	230/460	65.0	93.6	1.25	25.13	10 : 1	A, US
	1800	284TC	LM62035	√	3885	CCF4B25TC61AP21	385	230/460	59.0	93.6	1.25	26.26	10 : 1	C, CN
	1200	324TC	LM13723	C/A	6880	SF6B25TC61Y	514	230/460	64.0	92.4	1.25	28.94	10 : 1	S, US

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♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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C/A - Check Availability

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View On-line Technical Information

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
30	3600	286TSC	170108.60	√	4093	C286T34FK14	400	208-230/460	69.2	93.0	1.15	27.83	10 : 1	C, CN
	3600	286TSC	LM16773	C/A	5035	AF2B30TSC61Y	415	230/460	66.0	92.4	1.25	26.63	10 : 1	A, US
	3600	286TC	170620.60	√	4093	C286T34FK11	400	208-230/460	69.2	93.0	1.15	26.46	10 : 1	C, CN
	1800	286TC	171592.60	√	4927	C286T17FK4	442	208-230/460	70.0	93.6	1.25	27.83	10 : 1	C, CN
	1800	286TC	LM16774	√	5039	AF4B30TC61Y	415	230/460	75.0	93.6	1.25	28.01	10 : 1	A, US
	1800	286TSC	LM32842	√	5039	AF430TSC61Y	415	230/460	75.0	93.6	1.25	26.63	10 : 1	A, US
	1800	286TC	LM62038	√	4680	CCF4B30TC61AP21	432	230/460	70.0	93.6	1.25	27.83	10 : 1	C, CN
	1200	326TC	LM13724	C/A	7241	SF6B30TC61Y	568	230/460	76.0	93.0	1.25	30.44	10 : 1	S, US
40	3600	324TSC	170110.60	√	6036	C324T34FK8	574	208-230/460	89.0	93.6	1.15	28.03	10 : 1	C, CN
	3600	324TSC	LM13725	C/A	7519	SF2B40TSC61Y	514	230/460	110.0	93.6	1.25	27.44	10 : 1	S, US
	1800	324TC	171593.60	√	6369	C324T17FK5	538	208-230/460	92.0	94.1	1.15	29.53	10 : 1	C, CN
	1800	324TC	LM13726	√	7294	SF4B40TC61Y	514	230/460	101.0	94.1	1.25	28.94	10 : 1	S, US
	1800	324TSC	LM32652	√	7294	SF4B40TSC61Y	574	230/460	102.0	94.1	1.25	27.44	10 : 1	S, US
	1800	324TC	LM62041	√	6051	CCF4B40TC61AP21	530	230/460	92.0	94.1	1.15	29.53	10 : 1	C, CN
	1200	364TC	LM15565	√	9553	SF6B40TC61Y	777	230/460	112.0	93.6	1.25	31.89	10 : 1	S, US
50	3600	326TSC	170112.60	√	6212	C326T34FK5	604	208-230/460	112.0	93.0	1.15	29.53	10 : 1	C, CN
	3600	326TSC	LM13727	√	7686	SF2B50TSC61Y	568	230/460	111.0	94.1	1.25	28.94	10 : 1	S, US
	1800	326TC	171594.60	√	6997	C326T17FK5	597	208-230/460	117.0	94.5	1.25	31.02	10 : 1	C, CN
	1800	326TC	LM13728	√	7018	SF4B59TC61Y	568	230/460	127.0	94.5	1.25	30.44	10 : 1	S, US
	1800	326TSC	LM32843	√	7018	SF4B50TSC61Y	568	230/460	122.0	94.5	1.25	28.94	10 : 1	S, US
	1800	326TC	LM62044	√	6646	CCF4B50TC61AP21	590	230/460	117.0	94.5	1.25	31.02	10 : 1	C, CN
	1200	365TC	LM15568	√	10664	SF6B50TC61Y	834	230/460	138.0	94.1	1.25	32.89	10 : 1	S, US
60	3600	364TSC	170114.60	√	10154	C364T34FK3	860	208-230/460	139.0	93.6	1.15	30.51	10 : 1	C, CN
	3600	364TSC	LM15562	C/A	10705	SF2B60TSCC61Y	777	230/460	164.0	95.0	1.25	29.77	10 : 1	S, US
	1800	364TC	171595.60	√	11095	C364T17FK5	676	208-230/460	137.0	95.4	1.25	32.64	10 : 1	C, CN
	1800	364TC	LM15563	√	9870	SF4B60TC61Y	777	230/460	145.0	95.0	1.25	31.89	10 : 1	S, US
	1800	364TSC	LM32665	√	9870	SF4B60TSC61Y	777	230/460	145.0	95.0	1.25	29.77	10 : 1	S, US
	1800	364TC	LM62047	√	10540	CCF4B60TC61AP21	666	230/460	137.0	95.0	1.25	32.64	10 : 1	C, CN
	1200	404TC	LM16716	C/A	12536	SF6B60TC61Y	834	230/460	171.0	94.5	1.15	35.37	2 : 1	S, US
75	3600	365TSC	171115.60	√	12192	C365T34FK3	773	208-230/460	172.0	93.6	1.15	31.49	10 : 1	C, CN
	3600	365TSC	LM15566	C/A	12284	SF2B75TSC61Y	834	230/460	164.0	95.0	1.25	30.77	10 : 1	S, US
	1800	365TC	171596.60	√	12766	C365T17FK6	743	208-230/460	170.0	95.8	1.25	33.62	10 : 1	C, CN
	1800	365TC	LM15567	√	11919	SF4B75TC61Y	834	230/460	178.0	95.4	1.15	32.89	10 : 1	S, US
	1800	365TSC	LM32653	√	11919	SF4B75TSC61Y	834	230/460	178.0	95.4	1.15	30.77	10 : 1	S, US
	1800	365TC	LM62050	√	12128	CCF4B75TC61AP21	733	230/460	170.0	95.8	1.25	33.62	10 : 1	C, CN
	1200	405TC	LM16717	C/A	16078	SF6B75TC61Y	1018	230/460	——	94.5	——	——	——	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase C Face Motors

Totally Enclosed - General Purpose

Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
100	3600	405TSC	LM16719	√	17140	SF2B100TSC61Y	1018	230/460	210.0	94.5	1.15	33.87	2 : 1	S, US
	1800	405TC	171597.60	√	15632	C405T17FK2	1002	208-230/460	225.0	95.4	1.15	37.91	2 : 1	C, CN
	1800	405TC	LM15263	√	14407	SF4B100TC61Y	1018	230/460	244.0	95.4	1.15	36.87	2 : 1	S, US
	1800	405TSC	LM32659	√	14407	SF4B100TSC61Y	1372	230/460	244.0	95.4	1.15	33.87	2 : 1	S, US
	1800	405TC	LM62053	√	14851	CCF4B100TC61AP21	733	230/460	225.0	95.4	1.15	37.91	2 : 1	C, CN
	1200	444TC	LM13729	C/A	20527	SF6B100TC64Y	1372	460	——	95.4	——	——	——	S, US
125	3600	444TSC	LM13730	C/A	21951	SF2B125TSC64Y	1372	460	133.0*	95.0	1.15	37.74	2 : 1	S, US
	1800	444TC	LM13731	C/A	19183	SF4B125TC64Y	1372	460	146.0*	96.2	1.15	41.49	2 : 1	S, US
	1800	444TSC	LM32844	√	19183	SF4B125TSC64Y	1372	460	146.0*	96.2	1.15	37.74	2 : 1	S, US
	1200	4445TC	LM13732	C/A	24733	SF6B125TC64Y	1552	460	168.0*	94.5	1.15	43.49	2 : 1	S, US
150	3600	445TSC	LM13733	C/A	27095	SF2B150TSC64Y	1552	460	163.0*	95.8	1.15	39.74	2 : 1	S, US
	1800	445TC	LM13734	√	22092	SF4B150TC64Y	1552	460	168.0*	96.2	1.15	39.74	2 : 1	S, US
	1800	445TSC	LM32845	√	22092	SF4B150TSC64Y	1525	460	168.0*	96.2	1.15	39.74	2 : 1	S, US
	1200	447TC	LM13735	C/A	28853	SF6B150TC64Y	1552	460	——	95.8	——	——	——	S, US
200	3600	445TSC	LM13736	C/A	33972	SF2B200TSC64Y	1552	460	212.0*	96.2	1.15	39.74	2 : 1	S, US
	1800	445TC	LM13737	√	27128	SF4B200TC64Y	1525	460	227.0*	96.2	1.15	43.49	2 : 1	S, US
	1800	445TSC	LM32660	√	27128	SF4B200TSC64Y	1525	460	227.0*	96.2	1.15	39.74	2 : 1	S, US
250	3600	447TSC	LM13739	C/A	40929	SF2B250TSC64Y	1833	460	——	96.2	——	——	——	S, US
	3600	447TSC	LM13582	C/A	32593	SF2P250TSC64Y	1833	460	——	95.4	——	——	——	S, US
	1800	447TC	LM13740	C/A	33805	SF4B250TC64Y	1833	460	282.0*	95.4	1.15	46.99	——	S, US
	1800	447TC	LM13583	C/A	28177	SF4P250TC64Y	1833	460	283.0*	95.0	1.15	46.99	2 : 1	S, US
300	3600	449TSC	LM13742	C/A	53282	SF2B300TSC64Y	2206	460	——	96.2	——	——	——	S, US
	3600	449TSC	LM13585	C/A	39644	SF2P300TSC64Y	2206	460	——	95.4	——	——	——	S, US
	1800	449TC	LM13743	C/A	36923	SF4B300TC64Y	1833	460	237.0*	95.2	1.00	51.99	2 : 1	S, US
	1800	449TC	LM19193	√	30868	SF4P300TC64Y	2206	460	338.0*	95.0	1.00	51.99	2 : 1	S, US
	1800	447TC	LM15308	C/A	29442	SF4P300TC64Y	1833	460	353.0*	95.4	1.00	46.99	2 : 1	S, US
350	3600	449TSC	LM13745	C/A	55179	SF2B350TSC64Y	2206	460	——	95.8	——	——	——	S, US
	3600	449TSC	LM13588	C/A	43875	SF2P350TSC64Y	2206	460	——	95.4	——	——	——	S, US
	1800	449TC	LM13746	C/A	45383	SF4B350TC64Y	2206	460	——	96.2	1.15	——	——	S, US
	1800	449TC	LM15400	C/A	30460	SF4P350TC64Y	2206	460	395.0*	95.4	1.15	51.99	2 : 1	S, US
400	3600	449TSC	LM13747	C/A	67197	SF2B400TSC64Y	2206	460	——	95.8	——	——	——	S, US
	3600	449TSC	LM13590	C/A	53397	SF2P400TSC64Y	2206	460	——	94.1	——	——	——	S, US
	1800	449TC	LM13748	C/A	52062	SF4B400TC64Y	2206	460	449.0*	96.2	1.15	52.08	2 : 1	S, US
	1800	449TC	LM13591	C/A	39988	SF4P400TC64Y	2206	460	477.0*	95.4	1.00	51.99	2 : 1	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

* F.L. Amps at 460V

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase C Face Motors

FHP Motors for AC Drives

Features:

- Compact 48-frame design with keyed shaft
- Class F insulation
- 20:1 constant torque rated
- Inverter IRIS™ insulation system
- 1/2" diameter keyed shaft with 48-C Face
- 115/230V three phase design optimized for FHP drives

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/6	1800	48CZ	102792.00	√	336	C4T17FK7	25	115/230	1.3	56.0	1.15	8.94	20 : 1	S, MX
1/4	1800	48CZ	102793.00	√	381	C4T17FK8	26	115/230	1.4	58.0	1.15	8.94	20 : 1	S, MX
1/3	1800	48CZ	102794.00	√	416	C4T17FK6	28	115/230	1.6	64.3	1.15	9.19	20 : 1	S, MX
1/2	1800	48CZ	102795.00	√	466	C4T17FK9	30	115/230	1.8	77.0	1.15	10.19	20 : 1	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Inverter Duty Motors

- Ideally suited for IGBT power
- Inverter duty insulation system
- Over temperature protection
- Speedmaster® and CTAC® models – 2000 : 1 speed range
- Provisions for encoder mounting
- Lincoln Vector duty CTAC® models include 1024 ppr encoder
- Drip-proof and totally enclosed models available
- Precision balanced rotor assemblies
- Made in the U.S.A.
- 3-year warranty

Applications:

For use in constant torque (conveyors, machine tools) or variable torque (pumps, fans) variable speed applications within the stated speed range of the motor.

Inverter Duty Motors / Vector Duty Motors - 2000:1 Speed Range
With Encoder mounting provisions

Features:
- Class H inverter rated insulation system
- Constant torque operation from 0 to base RPM rating with vector drives
- C Face with rigid base through 100 HP on LEESON models, Lincoln models through 10 HP
- TEBC designs utilize 3-phase blower motors
- Normally enclosed thermostats
- Cast iron, Steel and Aluminum frame construction - see Notes
- Provisions for Encoder feedback devices
- Precision balanced rotors
- UL recognized and CSA certified
- 3-year warranty

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	56C	LM10336	√	547	SRF4S0.33TC61Q20	26	230/460	1.6	4000	1.0	11.31	10 : 1	S, US, 13
1/2	1800	56C	LM24264	C/A	630	SRF4S0.5TC61Q20	24	230/460	2.4	4000	1.0	11.81	10 : 1	S, US, 13
	1200	56HC	LM10338	√	748	SRF6S0.5TC61Q20	41	230/460	2.6	4000	1.0	12.32	10 : 1	S, US, 13
3/4	1800	56HC	LM10339	√	710	SRF4S0.75TC61Q20	25	230/460	3.0	4000	1.0	11.82	10 : 1	S, US, 13
1	1800	56HC	LM10340	√	1,367	SRF4S1TC61Q20	62	230/460	3.6	4000	1.0	12.32	10 : 1	S, US, 13
	1800	143TC	810548.00	√	1,445	143THTN8037	61	230/460	3.0	5400	1.0	13.68	2000 : 1	C, US, 12
	1800	145TC	LM26359	√	1,384	SSN4S1TC61Q10	62	230/460	4.0	5000	1.0	15.39	2000 : 1	S, US, 12
	1200	182TC	LM06103	√	1,567	AAN6S1TC61Q10	78	230/460	3.6	4800	1.0	12.94	2000 : 1	A, US, 12
	900	184TC	LM06105	C/A	1,955	AAN8S1TC61Q10	100	230/460	5.0	4800	1.2	16.57	2000 : 1	A, US, 12
1 1/2	1800	145TC	810547.00	√	1,592	145THTN8044	68	230/460	4.6	5400	1.0	14.68	2000 : 1	C, US, 12
	1800	145TC	LM26233	C/A	1,537	SSN4S1.5TC61Q10	65	230/460	4.8	5000	1.0	15.39	2000 : 1	S, US, 12
	1200	184TC	LM06109	C/A	1,690	AAN6S1.5TC61Q10	90	230/460	——	4800	1.0	——	2000 : 1	A, US, 12
	900	213TC	LM06111	C/A	2,731	AN8S1.5TC61Q10	121	230/460	——	4600	1.0	——	2000 : 1	A, US, 12
2	1800	145TC	810546.00	√	1,663	145THTN8045	70	230/460	6.0	5400	1.0	14.68	2000 : 1	C, US, 12
	1800	182TC	LM06113	√	1,669	AAN4S2TC61Q10	74	230/460	6.0	4800	1.0	15.57	2000 : 1	A, US, 12
	1200	213TC	LM06115	C/A	2,313	AN6S2TC61Q10	121	230/460	7.6	4600	1.0	——	2000 : 1	A, US, 12
	900	215TC	LM06117	C/A	3,077	AN8S2TC61Q10	121	230/460	7.6	4600	1.0	——	2000 : 1	A, US, 12
3	1800	182TC	811320.00	√	1,987	182THTS8051	110	230/460	8.0	5400	1.0	16.68	2000 : 1	C, US, 12
	1800	184TC	LM06119	√	1,941	AAN4S3TC61Q10	94	230/460	8.4	4800	1.0	16.57	2000 : 1	A, US, 12
	1200	215TC	LM06121	C/A	3,096	AN5S3TC61Q10	135	230/460	12.0	4600	1.0	18.56	2000 : 1	A, US, 12
	900	254TC	LM06123	C/A	5,475	AN8S3TC61Q10	186	230/460	——	4400	1.0	——	2000 : 1	A, US, 12
5	1800	184TC	811322.00	√	2,202	184THTS8058	118	230/460	13.4	5400	1.0	17.69	2000 : 1	C, US, 12
	1800	213TC	LM06125	√	2,227	AN4S5TC61Q10	115	230/460	15.6	4600	1.0	17.94	2000 : 1	A, US, 12
	1200	254TC	LM06127	C/A	4,966	AN6S5TC61Q10	200	23/460	——	4400	1.0	——	2000 : 1	A, US, 12
	900	256TC	LM06129	C/A	6,400	AN8S5TC61Q10	219	230/460	——	4400	1.0	——	2000 : 1	A, US, 12
7 1/2	1800	213TC	810157.00	√	2,961	213THTS8070	180	230/460	21.0	4200	1.0	20.56	2000 : 1	C, US, 12
	1800	215TC	LM06131	C/A	2,970	AN4S7.5TC61Q10	115	230/460	21.0	4600	1.2	20.54	2000 : 1	A, US, 12
	1200	256TC	LM06133	C/A	5,698	AN6S7.5TC61Q10	219	230/460	——	4400	1.2	——	2000 : 1	A, US, 12
10	1800	215TC	810140.00	√	3,499	215THTS8070	290	230/460	26.0	4200	1.0	22.74	2000 : 1	C, US, 12
	1800	256TC	LM06135	√	3,212	AN4S10TC61Q10	263	230/460	27.0	4400	1.2	24.88	2000 : 1	A, US, 12

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

TC Frame motors have C Face Endshields

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C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Inverter Duty Motors

Inverter Duty Motors / Vector Duty Motors - 2000:1 Speed Range
With Encoder mounting provisions

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
15	1800	254TC	810066.00	√	4,195	254THTNA8060	320	230/460	39.0	4200	1.0	25.12	2000 : 1	C, US, 12
	1200	284T	LM03140	C/A	8,791	SB6H15T61Q10	350	230/461	40.0	4200	1.0	37.48	2000 : 1	S, US, 11
	1200	284TC	810068.00	√	8,860	284THTPA7090	440	230/460	40.0	3600	1.0	37.48	2000 : 1	C, US, 11
20	1800	256TC	810007.00	√	5,716	256THTNA8070	435	230/460	52.0	4200	1.0	27.13	2000 : 1	C, US, 12
	1200	286T	LM03156	C/A	9,893	SB6H20T61Q10	420	230/461	——	4200	1.0	37.48	2000 : 1	S, US, 11
	1200	286TC	810001.00	√	10,615	286THFPA8090	450	230/460	52.4	3600	1.0	37.48	2000 : 1	C, US, 11
25	1800	284TC	810011.00	C/A	7,124	284THFPA8060	438	230/460	65.0	3600	1.0	37.48	2000 : 1	C, US, 11
	1800	284T	LM03188	C/A	5,577	SB4H25T61Q10	350	230/460	——	4200	1.0	37.48	2000 : 1	S, US, 11
	1200	324T	LM03204	C/A	11,369	SB6H25T61Q10	490	230/460	——	400	1.0	40.41	2000 : 1	S, US, 11
	1200	324TC	810003.00	√	12,487	324THFPA8090	620	230/460	67.0	3600	1.0	40.41	2000 : 1	C, US, 11
30	1800	286TC	810015.00	√	7,845	286THFPA8040	520	230/460	74.0	4200	1.0	38.98	2000 : 1	C, US, 11
	1800	286T	LM03236	C/A	6,410	SB4H30T61Q10	420	230/460	74.0	4200	1.0	——	2000 : 1	S, US, 11
	1200	326T	LM03252	C/A	12,636	SB6H30T61Q10	550	230/460	——	400	1.0	——	2000 : 1	S, US, 11
	1200	326TC	810005.00	√	13,742	326THFPA8090	700	230/460	82.0	3600	1.0	41.91	2000 : 1	C, US, 11
40	1800	324TC	810019.00	√	9,922	324THFPA8050	620	230/460	100.0	3600	1.0	40.41	2000 : 1	C, US, 11
	1800	324T	LM03284	√	8,635	SB4H40T61Q10	420	230/460	98.0	4000	1.0	44.91	2000 : 1	S, US, 11
	1200	364T	LM03300	C/A	15,127	SB6H40T61YQ10	670	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
	1200	364T	810096.00	√	16,572	364THFS18079	975	230/460	104.0	2700	1.0	42.78	2000 : 1	C, US, 11
50	1800	326TC	810023.00	√	11,704	326THFPA8040	640	230/460	120.0	3600	1.0	41.91	2000 : 1	C, US, 11
	1800	326T	LM03332	C/A	9,697	SB4H50T61Q10	490	230/460	129.0	4000	1.0	44.91	2000 : 1	S, US, 11
	1200	365T	LM03348	C/A	18,496	SB6H50T61YQ10	740	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
	1200	365TC	810097.00	C/A	19,866	365THFS8397	1029	230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
60	1800	364TC	810027.00	√	15,063	364THFS8059	975	230/460	147.0	2700	1.0	42.78	2000 : 1	C, US, 11
	1800	364T	LM03376	C/A	11,372	SB4H60T61Q10	670	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
	1200	404T	LM03396	C/A	19,417	SB6H60T61Q10	880	230/460	——	3600	1.0	——	2000 : 1	S, US, 11
	1200	404TC	810098.00	√	22,040	404THFS8378	1322	230/460	142.0	2700	1.0	46.72	2000 : 1	C, US, 11
75	1800	365TC	810031.00	√	18,063	365THFS8074	1050	230/460	180.0	2700	1.0	43.78	2000 : 1	C, US, 11
	1800	365T	LM03424	C/A	13,402	SB4H75T61YQ10	740	230/460	177.0	3800	1.0	——	2000 : 1	S, US, 11
	1200	405T	LM03444	C/A	24,439	SB6H75T61YQ10	1000	230/460	——	3600	1.0	——	2000 : 1	S, US, 11
	1200	405TC	810099.00	C/A	26,853	405THFS8386	1350	230/460	180.0	2700	1.0	49.28	2000 : 1	C, US, 11
100	1800	405TC	810087.00	C/A	22,006	405THFS8329	1400	230/460	230.0	2700	1.0	49.28	2000 : 1	C, US, 11
	1800	405T	LM03472	C/A	20,265	SB4H100T61YQ10	1000	230/460	——	3600	1.0	——	2000 : 1	S, US, 11
	1200	444T	LM03490	C/A	25,873	SB6H100T64YQ10	1290	230/460	——	3000	1.0	——	2000 : 1	S, US, 11
	1200	444TC	811367.00	C/A	30,531	444THFN8389	2050	230/460	250.0	2700	1.0	52.72	2000 : 1	C, US, 11
125	1800	444T	811369.00	C/A	27,752	444THFN8050	2000	460	138*	2700	1.0	52.72	2000 : 1	C, US, 11
	1800	444T	LM03516	C/A	26,947	SB4H125T64YQ10	1290	460	138*	3000	1.0	52.72	2000 : 1	S, US, 11
	1200	445T	LM03536	C/A	32,979	SB6H125T64YQ10	1780	460	——	3000	1.0	——	2000 : 1	S, US, 11
150	1800	445T	811371.00	C/A	31,487	445THFN8334	2321	460	170*	2700	1.0	54.72	2000 : 1	C, US, 11
	1800	445T	LM03564	C/A	32,117	SB4H150T64YQ10	1480	460	165*	3000	1.0	59.85	2000 : 1	S, US, 11
200	1800	445T	810503.00	C/A	37,271	445THFN8335	2450	460	230*	2700	1.0	54.72	2000 : 1	C, US, 11
	1800	445T	LM03596	C/A	33,961	SB4H200T64YQ10	3000	460	230*	3000	1.0	54.72	2000 : 1	S, US, 11
250	1800	449T	811516.00	C/A	49,380	449THFS8328	3210	460	295*	2700	1.0	63.21	2000 : 1	C, US, 11
300	1800	449T	811529.00	C/A	62,594	449THFS8329	3410	460	330*	2700	1.0	63.21	2000 : 1	C, US, 11
350	1800	449T	811530.00	C/A	76,351	449THFS8330	3520	460	385*	2700	1.0	63.21	2000 : 1	C, US, 11

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

TC Frame motors have C Face Endshields

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

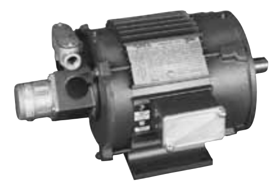
Encoder Kits For Speedmaster® 81,000 Series 2000:1 Motors

Description	Enclosure	Frame	Brand/Model	PPR	Catalog Number	List Price
Encoders						
Modular Mount, 5-15 VDC, with EPIC connector	TENV	143-256T	Northstar SL56	1024	E175927.00	3206
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	1024	E175928.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	1024	E175929.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	2048	E175930.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	2048	E175931.00	2059
Modular Mount, 5-15 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Northstar SL56	1024	E175921.00	3206
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	1024	E175922.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	1024	E175923.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	2048	E175924.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	2048	E175925.00	2059
Conduit Box Required for all TEBC Units	——	——	——	——	ECB175926.00	229

Shipped separately for field installation.

Inverter Duty Motors

Vector Duty Motors - 2000:1 Speed Range With 1024 ppr Encoder



Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- Includes 1024 ppr encoder with differential line driver
- Normally enclosed thermostats
- Steel and Aluminum frame construction - see Notes
- C Face designs through 10 HP
- Precision balanced rotors

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	56C	LM10346	√	2,065	SRN4S0.33TC61Q15	43	230/460	1.0	5000	1.0	14.47	2000 : 1	S, US, 12
1/2	1800	56C	LM10347	√	2,157	SRN4S0.5TC61Q15	43	230/460	1.6	5000	1.0	14.47	2000 : 1	S, US, 12
	1200	56HC	LM10348	C/A	2,265	SRN6S0.5TC61Q15	43	230/460	1.9	5000	1.0	15.47	2000 : 1	S, US, 12
3/4	1800	56HC	LM10349	√	2,231	SRN4S0.75TC61Q15	54	230/460	2.6	5000	1.0	15.97	2000 : 1	S, US, 12
1	1800	56HC	LM10350	√	3,042	SRN4S1TC61Q15	54	230/460	3.2	5000	1.0	15.97	2000 : 1	S, US, 12
	1800	145TC	LM26109	C/A	3,042	SSN4S1TC61Q15	82	230/460	3.0	5000	1.0	16.03	2000 : 1	S, US, 12
	1200	182TC	LM03973	C/A	3,725	AAN6S1TC61Q15	98	230/460	3.6	4800	1.0	16.24	2000 : 1	A, US, 12
	900	184TC	LM03975	C/A	3,654	AAN8S1TC61Q15	110	230/460	——	4800	1.0	——	2000 : 1	A, US, 12
1.5	1800	145TC	LM26278	C/A	3,268	SSN4S1.5TC61Q15	85	230/460	4.8	5000	1.0	17.03	2000 : 1	S, US, 12
	1200	184TC	LM03981	C/A	3,393	AAN6S1.5TC61Q15	110	230/460	——	4800	1.0	——	2000 : 1	A, US, 12
	900	213TC	LM03983	C/A	4,431	AN8S1.5TC61Q15	141	230/460	——	4600	1.0	——	2000 : 1	A, US, 12
2	1800	182TC	LM03987	√	3,367	AAN4S2TC61Q15	98	230/460	6.0	4800	1.0	18.34	2000 : 1	A, US, 12
	1200	213TC	LM03989	C/A	4,017	AN6S2TC61Q15	141	230/460	——	4600	1.0	——	2000 : 1	A, US, 12
	900	215TC	LM03991	C/A	4,777	AAN8S2TC61Q15	141	230/460	7.6	4600	1.0	23.03	2000 : 1	A, US, 12
3	1800	184TC	LM03995	√	3,643	AAN4S3TC61Q15	110	230/460	8.4	4800	1.0	19.34	2000 : 1	A, US, 12
	1200	215TC	LM03997	C/A	4,796	AN6S3TC61Q15	155	230/460	——	4600	1.0	——	2000 : 1	A, US, 12
	900	254TC	LM03999	C/A	7,175	AN8S3TC61Q15	206	230/460	——	4400	1.0	——	2000 : 1	A, US, 12
5	1800	213TC	LM04003	C/A	3,929	AAN4S5TC61Q15	115	230/460	15.6	4600	1.0	21.14	2000 : 1	A, US, 12
	1200	254TC	LM04005	C/A	6,666	AN6S5TC61Q15	220	230/460	——	4400	1.0	——	2000 : 1	A, US, 12
	900	256TC	LM04007	C/A	8,104	AN8S5TC61Q15	239	230/460	——	4400	1.0	——	2000 : 1	A, US, 12
7.5	1800	215TC	LM31463	C/A	4,670	AN4S7.5TC61Q15	155	230/460	21.0	4600	1.0	23.48	2000 : 1	A, US, 12
	1200	256TC	LM04013	C/A	7,401	AN6S7.5TC61Q15	239	230/460	22.0	4400	1.0	24.99	2000 : 1	A, US, 12
10	1800	256TC	LM30572	C/A	4,914	AN4S10TC61Q15	235	230/460	27.0	4400	1.0	——	2000 : 1	A, US, 12

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Continued On Next Page

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Vector Duty Motors - 2000:1 Speed Range
With 1024 ppr Encoder

Three Phase - Totally Enclosed - Rigid Base & Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	"C" Dim. (Inches)	Inverter speed range	♥Notes
15	1200	284T	LM31961	C/A	10,464	CCB6S15T61Q15	490	230/460	40.0	4200	1.0	37.81	2000 : 1	C, US, 11
20	1200	286T	LM03157	C/A	11,563	SB6H20T61Q15	420	230/460	——	4200	1.0	——	2000 : 1	S, US, 11
25	1800	284T	LM03189	C/A	7,249	SB4H25T61Q15	350	230/460	62.0	4200	1.0	40.69	2000 : 1	S, US, 11
	1200	324T	LM03205	C/A	13,043	SB6H25T61Q15	490	230/460	——	4000	1.0	——	2000 : 1	S, US, 11
30	1800	286T	LM03237	C/A	8,082	SB4H30T61Q15	420	230/460	74.0	4200	1.0	——	2000 : 1	S, US, 11
	1200	326T	LM03253	C/A	14,309	SB6H30T61Q15	550	230/460	——	4000	1.0	——	2000 : 1	S, US, 11
40	1800	324T	LM03285	C/A	10,308	SB4H40T61Q15	550	230/460	98.0	4000	1.0	43.41	2000 : 1	S, US, 11
	1200	364T	LM03301	C/A	16,798	SB6H40T61Q15	670	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
50	1800	326T	LM03333	C/A	11,371	SB4H50T61Q15	550	230/460	——	4000	1.0	——	2000 : 1	S, US, 11
	1200	365T	LM03349	C/A	20,167	SB6H50T61YQ15	740	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
60	1800	364T	LM03377	C/A	13,046	SB4H60T61YQ15	690	230/460	——	3800	1.0	——	2000 : 1	S, US, 11
	1200	404T	LM03397	C/A	21,092	SB6H60T61YQ15	1000	230/460	169.0	3600	1.0	51.73	2000 : 1	S, US, 11
75	1800	365T	LM03425	C/A	15,077	SB4P75T61YQ15	740	230/460	180.0	3800	1.0	49.29	2000 : 1	S, US, 11
	1200	405T	LM03445	C/A	26,114	SB6H75T61YQ15	1000	230/460	——	3600	1.0	——	2000 : 1	S, US, 11
100	1800	405T	LM03473	C/A	21,937	SB4H100T61YQ15	1000	230/460	240.0	3600	1.0	53.23	2000 : 1	S, US, 11
	1200	444T	LM03491	C/A	27,548	SB6H100T64YQ15	1290	460	——	3000	1.0	——	2000 : 1	S, US, 11
125	1800	444T	LM03517	C/A	28,618	SB4H125T64YQ15	1290	460	——	3000	1.0	——	2000 : 1	S, US, 11
	1200	445T	LM03537	C/A	34,654	SB6H125T64YQ15	1480	460	——	3000	1.0	——	2000 : 1	S, US, 11
150	1800	445T	LM03565	C/A	33,792	SB4H150T64YQ15	1490	460	165*	3000	1.0	59.85	2000 : 1	S, US, 11
200	1800	445T	LM03597	C/A	35,631	SB4H200T64YQ15	1500	460	——	3000	1.0	——	2000 : 1	S, US, 11

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Inverter Duty Motors

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Features:

- Inverter duty insulation system
- Constant HP range at 2x base speed 56 - 256T frames
- Constant HP range at 1.5x base speed 284T - 445T frames
- No mounting available for encoder devices
- Normally enclosed thermostats
- Steel and Aluminum frame construction - see Notes
- Precision balanced rotors

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	56	LM22644	C/A	563	SRF4S0.33T61Q40	28	230/460	——	4000	1.0	72.0	——	4 : 1	S, US
1/2	3600	56	LM22646	C/A	543	SRF2S0.5T61Q40	28	230/460	——	4000	1.0	70.0	——	4 : 1	S, US
	1800	56	LM22648	C/A	647	SRF4S0.5T61Q40	28	230/460	2.4	4000	1.0	74.0	11.82	4 : 1	S, US
	1200	56	LM22650	C/A	772	SRF6S0.5T61Q40	28	230/460	2.6	4000	1.0	70.0	12.32	4 : 1	S, US
3/4	3600	56	LM22652	C/A	577	SRF2S0.75T61Q40	28	230/460	——	4000	1.0	74.0	——	4 : 1	S, US
	1800	56	LM22654	C/A	659	SRF4S0.75T61Q40	28	230/460	3.0	4000	1.0	77.0	11.82	4 : 1	S, US
	1200	56	LM22656	C/A	783	SRF6S0.75T61Q40	36	230/460	——	4000	1.0	72.0	——	4 : 1	S, US
1	3600	56	LM22658	C/A	659	SRF2S1T61Q40	28	230/460	——	4000	1.0	75.5	——	4 : 1	S, US
	1800	56	LM22660	√	679	SRF4S1T61Q40	28	230/460	3.6	4000	1.0	78.5	12.32	4 : 1	S, US
	1800	143T	LM26097	C/A	763	SSF4P1T61Q40	46	230/460	3.0	4000	1.0	82.5	12.87	4 : 1	S, US
	1200	145T	LM26383	C/A	918	SSF6P1T61Q40	51	230/460	3.8	4000	1.0	80.0	14.87	4 : 1	S, US
1 1/2	3600	56	LM22662	C/A	706	SRF2S1.5T61Q40	28	230/460	——	4000	1.0	78.5	——	4 : 1	S, US
	1800	56H	LM22664	C/A	749	SRF4S1.5T61Q40	28	230/460	5.0	4000	1.0	80.0	13.52	4 : 1	S, US
	1800	145T	LM26098	C/A	771	SSF4P1.5T61Q40	51	230/460	5.0	4000	1.0	84.0	13.87	4 : 1	S, US
	1200	182T	LM21188	C/A	1,033	AAF6P1.5T61Q40	83	230/460	——	4000	1.0	85.5	——	4 : 1	A, US
2	3600	56H	LM22666	C/A	759	SRF2S2T61Q40	36	230/460	——	4000	1.0	78.5	——	4 : 1	S, US
	1800	145T	LM25991	C/A	803	SSF4P2T61Q40	51	230/460	6.0	4000	1.0	84.0	14.37	4 : 1	S, US
	1200	184T	LM21191	√	1,107	AAF6P2T61Q40	92	230/460	6.0	4000	1.0	86.5	15.19	4 : 1	A, US
3	3600	182T	LM21189	C/A	1,057	AAF2P3T61Q40	83	230/460	7.4	4000	1.0	85.5	14.19	4 : 1	A, US
	1800	182T	LM21190	√	975	AAF4P3T61Q40	83	230/460	8.4	4000	1.0	87.5	14.19	4 : 1	A, US
	1200	213T	LM21194	C/A	1,269	AF6P3T61Q40	127	230/460	9.8	4000	1.0	87.5	16.80	4 : 1	A, US
5	3600	184T	LM21192	C/A	1,229	AAF2P5T61Q40	92	230/460	12.4	4000	1.0	87.5	15.19	4 : 1	A, US
	1800	184T	LM21193	√	1,086	AAF4P5T61Q40	92	230/460	13.4	4000	1.0	87.5	16.19	4 : 1	A, US
	1200	215T	LM21197	C/A	1,870	AAF6P5T61Q40	138	230/460	15.0	4000	1.0	87.5	18.70	4 : 1	A, US
7 1/2	3600	213T	LM21195	C/A	1,662	AF2P7.5T61Q40	127	230/460	18.0	4600	1.0	88.5	18.30	4 : 1	A, US
	1800	213T	LM21196	√	1,431	AF4P7.5T61Q40	127	230/460	20.0	4600	1.0	89.5	17.20	4 : 1	A, US
	1200	254T	LM21200	√	2,380	AAF6P7.5T61Q40	209	230/460	22.0	4400	1.0	89.5	24.74	4 : 1	A, US
10	3600	215T	LM21198	C/A	1,724	AF2P10T61Q40	138	230/460	24.0	4600	1.0	89.5	18.25	4 : 1	A, US
	1800	215T	LM21199	√	1,600	AF4P10T61Q40	138	230/460	25.4	4600	1.0	89.5	18.70	4 : 1	A, US
	1200	256T	LM21203	C/A	3,050	AAF6P10T61Q40	236	230/460	26.4	4400	1.0	89.5	25.15	4 : 1	A, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Continued On Next Page

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Three Phase - Totally Enclosed - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥Notes
15	3600	254T	LM21201	√	2,427	AAF2P15T61Q40	209	230/460	35.0	4400	1.0	90.2	23.40	4 : 1	A, US
	1800	254T	LM21202	√	2,300	AF4P15T61Q40	209	230/460	39.0	4400	1.0	91.0	23.40	4 : 1	A, US
	1200	284T	LM21206	C/A	3,862	AF6P15T61YQ40	363	230/460	48.0	4200	1.0	90.2	26.20	4 : 1	A, US
20	3600	256T	LM21204	C/A	2,785	AF2P20T61Q40	236	230/460	47.0	4400	1.0	90.2	26.10	4 : 1	A, US
	1800	256T	LM21205	√	2,665	AF4P20T61Q40	236	230/460	50.0	4400	1.0	91.0	25.15	4 : 1	A, US
	1200	286T	LM21209	C/A	4,274	AF6P20T61YQ40	408	230/460	— —	4200	1.0	90.2	— —	4 : 1	A, US
25	3600	284TS	LM21207	C/A	3,612	AF2P25TS61YQ40	363	230/460	— —	4200	1.0	91.0	— —	4 : 1	A, US
	1800	284T	LM21208	C/A	3,500	AF4P25T61YQ40	363	230/460	66.0	4200	1.0	92.4	26.62	4 : 1	A, US
	1200	324T	LM21212	C/A	5,107	SF6P25T61YQ40	504	230/460	63.0	4000	1.0	91.7	28.50	4 : 1	S, US
30	3600	286TS	LM21210	C/A	4,115	AF2P30TS61YQ40	408	230/460	— —	4200	1.0	91.0	— —	4 : 1	A, US
	1800	286T	LM21211	√	4,094	AF4P30T61YQ40	408	230/460	76.0	4200	1.0	92.4	28.12	4 : 1	A, US
	1200	326T	LM21215	√	7,138	SF6P30T61YQ40	570	230/460	75.0	4000	1.0	91.7	30.00	4 : 1	S, US
40	3600	324TS	LM21213	C/A	5,374	SF2P40TS61YQ40	504	230/460	— —	4000	1.0	91.7	— —	4 : 1	S, US
	1800	324T	LM21214	√	5,308	SF4P40T61YQ40	504	230/460	106.0	4000	1.0	93.0	28.50	4 : 1	S, US
	1200	364T	LM21218	C/A	7,483	SF6P40T61YQ40	765	230/460	116.0	3800	1.0	93.0	31.90	4 : 1	S, US
50	3600	326TS	LM21216	C/A	6,848	SF2P50TS61YQ40	558	230/460	112.0	4000	1.0	92.4	28.50	4 : 1	S, US
	1800	326T	LM21217	√	5,696	SF4P50T61YQ40	558	230/460	129.0	4000	1.0	93.0	30.00	4 : 1	S, US
	1200	365T	LM21221	C/A	9,282	SF6P50T61YQ40	822	230/460	138.0	3800	1.0	93.0	32.90	4 : 1	S, US
60	3600	364TS	LM21219	C/A	10,207	SF2P60TS61YQ40	765	230/460	132.0	3800	1.0	93.0	29.77	4 : 1	S, US
	1800	364T	LM21220	√	8,254	SF4P60T61YQ40	765	230/460	145.0	3800	1.0	93.6	31.90	4 : 1	S, US
	1200	404T	LM21224	C/A	10,845	SF6P60T61YQ40	918	230/460	— —	3600	1.0	93.6	— —	4 : 1	S, US
75	3600	365TS	LM21222	√	10,669	SF2P75TS61YQ40	822	230/460	166.0	3800	1.0	93.0	30.77	4 : 1	S, US
	1800	365T	LM21223	C/A	10,485	SF4P75T61YQ40	822	230/460	187.0	3800	1.0	94.1	32.90	4 : 1	S, US
	1200	405T	LM21225	C/A	13,227	SF6P75T61YQ40	1002	230/460	— —	3600	1.0	93.6	— —	4 : 1	S, US
100	3600	405TS	LM21226	C/A	14,527	SF2P100TS61YQ40	1002	230/460	214.0	3600	1.0	93.6	35.40	4 : 1	S, US
	1800	405T	LM21227	C/A	13,582	SF4P100T61YQ40	1002	230/460	244.0	3600	1.0	94.5	38.40	4 : 1	S, US
	1200	444T	LM21228	C/A	17,227	SF6P100T64YQ40	1351	460	146*	3000	1.0	94.1	41.58	4 : 1	S, US
125	3600	444TS	LM21229	C/A	17,878	SF2P125TS64YQ40	1351	460	— —	3600	1.0	94.5	— —	4 : 1	S, US
	1800	444T	LM21230	C/A	16,873	SF4P125T64YQ40	1351	460	146*	3000	1.0	94.5	41.58	4 : 1	S, US
	1200	445T	LM21231	C/A	19,885	SF6P125T64YQ40	1504	460	— —	3000	1.0	94.1	— —	4 : 1	S, US
150	3600	445TS	LM21232	C/A	21,107	SF2P150TS64YQ40	1504	460	— —	3600	1.0	94.5	— —	4 : 1	S, US
	1800	445T	LM21233	C/A	19,519	SF4P150T64YQ40	1504	460	168*	3000	1.0	95.0	43.58	4 : 1	S, US
	1200	445T	LM21234	C/A	22,830	SF6P150T64YQ40	1504	460	— —	3000	1.0	95.0	— —	4 : 1	S, US
200	3600	445TS	LM21235	C/A	24,700	SF2P200TS64YQ40	1504	460	— —	3600	1.0	95.0	— —	4 : 1	S, US
	1800	445T	LM21236	C/A	23,220	SF4P200T64YQ40	1504	460	228*	3000	1.0	95.0	43.58	4 : 1	S, US
	1200	447T	LM21237	C/A	24,806	SF6P200T64YQ40	1812	460	— —	3000	1.0	95.0	— —	4 : 1	S, US
250	3600	449TS	LM21240	C/A	29,031	SF2P250TS64YQ40	2185	460	— —	3600	1.0	95.4	— —	4 : 1	S, US
	1800	447T	LM21238	C/A	27,943	SF4P250T64YQ40	1812	460	283*	2800	1.0	95.0	47.08	4 : 1	S, US
300	3600	449TS	LM21242	C/A	27,943	SF2P300TS64YQ40	— —	460	— —	3600	1.0	95.4	— —	4 : 1	S, US
	1800	449T	LM21239	C/A	30,243	SF4P300T64YQ40	2315	460	349*	2800	1.0	95.4	52.08	4 : 1	S, US
350	3600	449TS	LM21243	√	56,666	SF2B350TS64YQ40	— —	460	— —	3600	1.0	95.8	— —	4 : 1	S, US
	1800	449T	LM21244	C/A	29,860	SF4P350T64YQ40	2185	460	395*	2800	1.0	95.4	52.08	4 : 1	S, US

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

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Single Phase ODP Motors
Single Phase TEFC Motors
Single Phase C Face Motors
Three Phase ODP Motors
Three Phase TEFC Motors
Three Phase C Face Motors
Inverter Duty Motors
Severe Duty Motors
Explosion Proof Motors

Inverter Duty Motors

Inverter Duty Motors - 4 :1 Speed Range - Totally Enclosed

Three Phase - Totally Enclosed - Rigid C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥Notes
1/3	1800	56C	LM22645	√	613	SRF4S0.33TC61Q40	33	230/460	1.6	4000	1.0	72.0	11.31	4 : 1	S, US
1/2	3600	56C	LM22647	C/A	594	SRF2S0.5TC61Q40	33	230/460	2.2	4000	1.0	70.0	11.81	4 : 1	S, US
	1800	56C	LM22649	√	699	SRF4S0.5TC61Q40	33	230/460	2.4	4000	1.0	74.0	11.81	4 : 1	S, US
	1200	56C	LM22651	C/A	823	SRF6S0.5TC61Q40	33	230/460	2.6	4000	1.0	70.0	12.31	4 : 1	S, US
3/4	3600	56C	LM22653	C/A	628	SRF2S0.75TC61Q40	33	230/460	3.4	4000	1.0	74.0	11.81	4 : 1	S, US
	1800	56C	LM22655	√	709	SRF4S0.75TC61Q40	33	230/460	3.0	4000	1.0	77.0	11.81	4 : 1	S, US
	1200	56C	LM22657	C/A	833	SRF6S0.75TC61Q40	28	230/460	3.4	4000	1.0	72.0	12.81	4 : 1	S, US
1	3600	56C	LM22659	C/A	709	SRF2S1TC61Q40	33	230/460	3.7	4000	1.0	75.5	11.81	4 : 1	S, US
	1800	56C	LM22661	√	729	SRF4S1TC61Q40	28	230/460	3.0	4000	1.0	78.5	11.81	4 : 1	S, US
	1800	143TC	LM26081	C/A	815	SSF4P1TC61Q40	52	230/460	3.0	4000	1.0	82.5	12.87	4 : 1	S, US
	1200	145TC	LM26323	C/A	972	SSF6P1TC61Q40	57	230/460	3.8	4000	1.0	80.0	14.87	4 : 1	S, US
1 1/2	3600	56C	LM22663	C/A	755	SRF2S1.5TC61Q40	28	230/460	4.4	4000	1.0	78.5	11.81	4 : 1	S, US
	1800	56HC	LM22665	C/A	799	SRF4S1.5TC61Q40	36	230/460	5.0	4000	1.0	80.0	13.32	4 : 1	S, US
	1800	145TC	LM26008	C/A	821	SSF4P1.5TC61Q40	57	230/460	4.8	4000	1.0	84.0	13.87	4 : 1	S, US
	1200	182TC	LM22822	C/A	1,110	AAF6P1.5TC61Q40	95	230/460	5.0	4000	1.0	85.5	15.83	4 : 1	A, US
2	3600	56HC	LM22667	C/A	812	SRF2S2TC61Q40	36	230/460	6.0	4000	1.0	78.5	12.32	4 : 1	S, US
	1800	145TC	LM25962	√	874	SSF4P2TC61Q40	57	230/460	6.0	4000	1.0	84.0	14.37	4 : 1	S, US
	1200	184TC	LM22825	C/A	1,184	AAF6P2TC61Q40	104	230/460	6.0	4000	1.0	86.5	15.83	4 : 1	A, US
3	3600	182TC	LM22826	C/A	1,135	AAF2P3TC61Q40	95	230/460	7.4	4000	1.0	85.5	14.83	4 : 1	A, US
	1800	182TC	LM22827	√	1,054	AAF4P3TC61Q40	95	230/460	8.4	4000	1.0	87.5	14.83	4 : 1	A, US
	1200	213TC	LM22828	C/A	1,357	AF6P3TC61Q40	138	230/460	9.8	4600	1.0	87.5	17.66	4 : 1	A, US
5	3600	184TC	LM22829	C/A	1,300	AAF2P5TC61Q40	104	230/460	——	4000	1.0	87.5	——	4 : 1	A, US
	1800	184TC	LM22830	√	1,167	AAF4P5TC61Q40	104	230/460	13.4	4000	1.0	87.5	16.83	4 : 1	A, US
	1200	215TC	LM31434	C/A	1,958	AF6P5TC61Q40	149	230/460	15.0	4600	1.0	87.5	19.45	4 : 1	A, US
7 1/2	3600	213TC	LM22832	C/A	1,498	AF2P7.5TC61Q40	138	230/460	——	4600	1.0	88.5	——	4 : 1	A, US
	1800	213TC	LM22833	C/A	1,460	AAF4P7.5TC61Q40	138	230/460	20.0	4600	1.0	89.5	17.95	4 : 1	A, US
	1200	254TC	LM22834	C/A	2,606	AF6P7.5TC61Q40	221	230/460	20.0	4400	1.0	89.5	23.40	4 : 1	A, US
10	3600	215TC	LM22835	C/A	1,877	AF2P10TC61Q40	149	230/460	——	4600	1.0	89.5	——	4 : 1	A, US
	1800	215TC	LM22836	C/A	1,692	AF4P10TC61Q40	149	230/460	25.4	4600	1.0	89.5	19.45	4 : 1	A, US
	1200	256TC	LM22837	C/A	2,985	AF6P10TC61Q40	248	230/460	——	4400	1.0	89.5	——	4 : 1	A, US
15	3600	254TC	LM22838	C/A	2,185	AF2P15TC61Q40	221	230/460	35.0	4400	1.0	90.2	23.4	4 : 1	A, US
	1800	254TC	LM22839	√	2,420	AF4P15TC61Q40	221	230/460	39.0	4400	1.0	91.0	23.4	4 : 1	A, US
20	3600	256TC	LM22840	C/A	3,629	AF2P20TC61Q40	248	230/460	——	4400	1.0	90.2	——	4 : 1	A, US
	1800	256TC	LM22841	√	2,786	AF4P20TC61Q40	248	230/460	50.0	4400	1.0	91.0	25.15	4 : 1	A, US

▼ LM Numbers are Lincoln Models

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Inverter Duty Motors - 10 :1 Speed Range - Drip-Proof

Features:

- Variable torque speed range with open loop drive of 0-60 Hz
- Constant horsepower speed range of 2x base speed
- Ultimate Spike Defense™ Insulation System
- 1.00 service factor on PWM waveform,
- 1.15 service factor or better on sine-wave power.
- Precision dynamic balanced rotor assembly
- Thermal overload protection (Class F thermostats)

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Max. RPM	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	Inverter speed range	♥Notes
1	1800	143T	LM21148	C/A	702	SSD4P1T61Q40	55	230/460	3.1	5000	1.0	82.5	12.49	10 : 1	S, US
1 1/2	1800	145T	LM21151	C/A	733	SSD4P1.5T61Q40	68	230/460	4.4	5000	1.0	84.0	12.49	10 : 1	S, US
2	1800	145T	LM21153	√	773	SSD4P2T61Q40	68	230/460	5.8	5000	1.0	84.0	12.49	10 : 1	S, US
3	1800	182T	LM21157	C/A	877	SSD4P3T61Q40	82	230/460	8.6	4800	1.0	86.5	13.72	10 : 1	S, US
5	1800	184T	LM21159	√	1,121	SSD4P5T61Q40	71	230/460	13.2	4800	1.0	87.5	13.19	10 : 1	S, US
7 1/2	1800	213T	LM21162	C/A	1,287	SSD4P7.5T61Q40	141	230/460	19.4	4600	1.0	88.5	17.29	10 : 1	S, US
10	1800	215T	LM21165	√	1,513	SSD4P10T61Q40	168	230/460	25.0	4600	1.0	89.5	17.29	10 : 1	S, US
	1200	256T	LM21170	C/A	2,318	SSD6P10T61Q40	255	230/460	28.0	4400	1.0	90.2	22.32	10 : 1	S, US
15	1800	254T	LM21168	√	2,160	SSD4P15T61Q40	245	230/460	41.0	4400	1.0	91.0	22.32	10 : 1	S, US
20	1800	256T	LM21171	√	2,390	SSD4P20T61Q40	255	230/460	52.0	4400	1.0	91.0	22.32	10 : 1	S, US
25	1800	284T	LM21174	C/A	1,732	SD4P25T61YQ40	——	230/460	68.0	4000	1.0	91.7	0.00	10 : 1	S, US
	1800	284T	LM29579	√	3,140	CCD4P25T61YQ40	350	230/460	61.0	4000	1.0	91.7	23.49	10 : 1	C, US
30	1800	286T	LM21177	C/A	2,474	SD4P30T61YQ40	——	230/460	——	4000	1.0	92.4	——	10 : 1	S, US
	1800	286T	LM29936	√	3,573	CCD4P30T61YQ40	400	230/460	72.0	4000	1.0	92.4	24.99	10 : 1	C, US
40	1800	324T	LM21180	√	4,538	SD4P40T61YQ40	469	230/460	106.0	4000	1.0	93.0	25.82	10 : 1	S, US
50	1800	326T	LM21118	C/A	5,067	SD4P50T61YQ40	522	230/460	130.0	4000	1.0	93.0	27.32	10 : 1	S, US
60	1800	364T	LM21121	C/A	5,196	SD4P60T61YQ40	595	230/460	145.0	3600	1.0	94.0	28.40	10 : 1	S, US
75	1800	365T	LM21124	C/A	6,634	SD4P75T61YQ40	763	230/460	176.0	3800	1.0	94.1	32.90	10 : 1	S, US
100	1800	404T	LM21127	√	8,494	SD4P100T61YQ40	882	230/460	244.0	3600	1.0	94.1	31.81	10 : 1	S, US
125	1800	405T	LM30727	√	9,704	SD4P125T61YQ40	958	230/460	304.0	3600	1.0	94.5	0.00	10 : 1	S, US

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Specifications are subject to change without notice

View On-line Technical Information

LEESON

Inverter Duty Motors

SUB-FHP MOTORS - Inverter Rated - Three Phase

Features:

- Designed with the exclusive Inverter Rated Insulation System (IRIS)
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Steel conduit box provided as standard
- Finished in high gloss hardened black enamel paint

Application Notes:

- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed Gearmotor RPM
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

Three Phase - Drip Proof - Rigid Base

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	Voltage	F. L. Amps @ 230 V	♥Notes
1/15	1725	38	M1140171.00	√	340	CM38T17NK1	230	0.4	S, US, 12
1/6	1725	38	M1140173.00	C/A	367	CM38T17NK2	230	0.72	S, US, 12
1/4	1725	38	M1140172.00	√	394	CM38T17FK3	230	1.1	S, US, 13

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

38 Frame NEMA C-Face With Base Dimensions

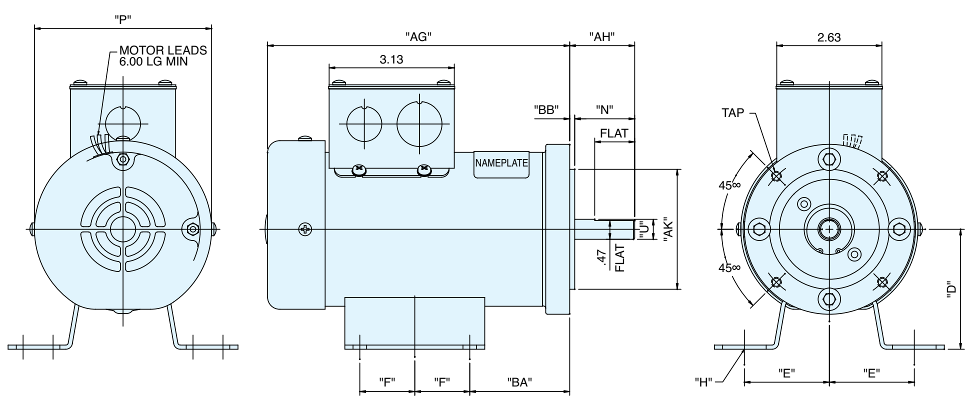
Catalog Number	AG	P	U	AH	BB	AJ	TAP	R	AK	BB	D	BA	E	F	H
M1140171.00	5.14	3.85	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140173.00	6.14	3.85	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot
M1140172.00	7.56	4.43	0.5	1.63	1	3.75	1/3/16	4.3	3	0.13	3	2.5	2.125	1.375	11/32 Slot

Specifications are subject to change without notice

AC 38 48C

Both motors only and gearmotors will have inverter rated printed on the nameplate.
UL and CSA recognition for both motors only and gearmotors.

ALL DIMENSIONS IN INCHES

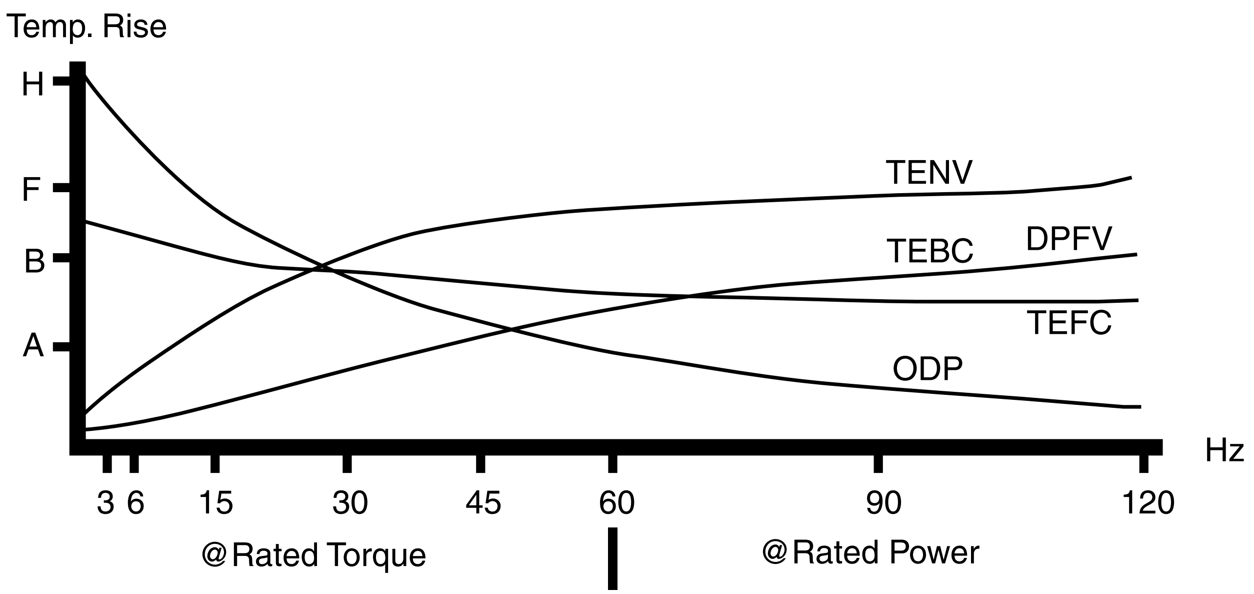


Other Application Considerations -

For proper selection, the following should be considered:

- Horsepower or torque requirements at various speeds
- Desired speed range of the load and motor
- Acceleration and deceleration rate requirements of the process being controlled
- Starting requirements including the frequency of starting and a description of the load (reflected inertia at the motor, load torque during starting)
- Whether the application is a continuous process or duty cycle of starts, stops and speed changes
- A general description of the type of application including the environment in which the VFD system components must operate (determines motor enclosure and/or explosion proof classification)
- Description of the available electrical power supply and wiring
- Special performance requirements, if any
- Whether the drive will be configured with a by-pass circuit. In case of its deployment, the motor will operate like its fixed speed counterpart and may require a NEMA B design which limits in-rush current, or selection of a larger motor starter or other protective circuitry
- Load sharing
- Mounting and other mechanical considerations

Typical Temperature Rise Of Various Enclosures



Severe Duty Motors

IEEE-841 Severe Duty Motors & Lincoln Encapsulated Multiguard® Motors

- IEEE-841 motors available – 5-year warranty
- 3-year warranty on Premium efficient models
- Dual voltage designs
- 1.15 or 1.25 service factors
- Epoxy painted ratings
- Cast iron and steel frame construction
- Internal corrosion protection
- Inverter rated
- Shaft seals where applicable
- UL and CSA recognized

Applications:

Used in severe duty environments that you may find in foundries, pulp and paper mills, Waste management facilities, above ground mines, refineries or other applications That demand corrosion protection for long motor life and dependability.

IEEE 841 Premium Efficient Motors

General Specifications:
Designed for harsh environments that you may find in refineries, above-ground minds, foundries, paper and pulp mills, cement plants or other severe duty applications.

Features:
- Inpro shaft seals
- Inverter rated insulation system
- Re-greasable bearings
- Epoxy paint
- Test data supplied with each motor
- IP 56 enclosure protection
- Tested to IEEE45 USCG Marine Duty, API RP14F for offshore platforms

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	811541.00	√	888	143THTN9026	55	460	1.5	85.5	1.15	10.4	C, US
1 1/2	3600	143T	811542.00	√	1101	145THTN9005	58	460	2.0	86.5	1.15	10.4	C, US
	1800	145T	811543.00	√	1020	145THTN9026	65	460	2.2	84.0	1.15	11.4	C, US
2	3600	145T	811544.00	√	1156	145THTN9001	68	460	2.5	85.5	1.15	11.4	C, US
	1800	145T	811545.00	√	1068	145THTN9027	68	460	3.0	85.5	1.15	11.4	C, US
3	3600	182T	811546.00	√	1674	182THTS19005	105	460	3.8	87.5	1.15	12.7	C, US
	1800	182T	811547.00	√	1419	182THTS19041	100	460	4.0	90.2	1.15	12.7	C, US
5	3600	184T	811548.00	√	1798	184THFS19010	142	460	5.9	89.5	1.15	16.2	C, US
	1800	184T	811549.00	√	1657	184THFS19045	130	460	6.2	90.2	1.15	16.2	C, US
7 1/2	3600	213T	811550.00	√	2123	213THTS19008	200	460	8.9	91.7	1.15	17.2	C, US
	1800	213T	811551.00	√	2010	213THFS19044	200	460	9.6	91.7	1.15	19.7	C, US
10	3600	215T	811552.00	√	2482	215THFS19011	218	460	11.2	91.7	1.15	21.0	C, US
	1800	215T	811553.00	√	2434	215THFS19051	225	460	12.5	91.7	1.15	19.7	C, US
15	3600	254T	811554.00	√	3076	254THFNA19014	345	460	17.5	91.7	1.15	23.5	C, US
	1800	254T	811555.00	√	2924	254THFNA19052	350	460	18.8	92.4	1.15	23.5	C, US
20	3600	256T	811556.00	√	3800	256THFNA19004	375	460	23.4	92.4	1.15	25.3	C, US
	1800	256T	811557.00	√	3636	256THFNA19050	425	460	24.1	93.0	1.15	25.3	C, US
25	3600	284TS	811558.00	√	4717	284TSHFNA19009	481	460	28.1	93.6	1.15	25.0	C, US
	1800	284T	811559.00	√	4309	284THFNA19043	478	460	31.0	93.6	1.15	26.3	C, US
30	3600	286TS	811560.00	√	5792	286TSHFNA19002	500	460	33.8	93.6	1.15	26.4	C, US
	1800	286T	811561.00	√	5249	286THFNA19051	525	460	36.5	94.1	1.15	27.8	C, US
40	3600	324TS	811562.00	√	7691	324TSHFS19007	656	460	47.0	93.6	1.15	27.4	C, US
	1800	324T	811563.00	√	7186	324THFS19045	700	460	47.5	94.1	1.15	28.9	C, US
50	3600	326TS	811564.00	√	9911	326TSHFS19005	725	460	58.0	93.6	1.15	28.9	C, US
	1800	326T	811565.00	√	8605	326THFS19057	775	460	60.0	94.5	1.15	30.4	C, US
60	3600	364TS	811566.00	√	11920	364TSHFS19006	925	460	67.0	94.5	1.15	29.4	C, US
	1800	364T	811567.00	√	11344	364THFS19047	1000	460	69.0	95.0	1.15	31.5	C, US
75	3600	365TS	811568.00	√	15031	365TSHFS19005	1002	460	84.0	94.5	1.15	30.4	C, US
	1800	365T	811569.00	√	14575	365THFS19052	1100	460	86.0	95.4	1.15	32.5	C, US
100	3600	405TS	811570.00	√	20360	405TSHFS19006	1295	460	108.0	95.0	1.15	34.1	C, US
	1800	405T	811571.00	√	17776	405THFS19060	1330	460	113.0	95.4	1.15	37.1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

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View On-line Technical Information

LEESON

Severe Duty Motors

Severe Duty - Wattsaver Plus

General Specifications:

Designed specifically to meet severe duty environments that you may find in applications such as chemical plants, foundries, pulp and paper mills, waste management facilities and above ground mines.

Features:

- Full cast iron constuction
- Inverter rated insulation system
- Epoxy painted
- Inpro shaft seal
- Internal corrosion protection
- IP 55 enclosure protection
- Thermostat protected
- 3-year warranty

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	171623.60	√	1118	C184T17FB1	112	208-230/460	7.8	90.2	1.25	16.6	C, CN
	1200	213T	171634.60	√	1578	C213T11FW1	180	208-230/460	9.4	89.5	1.25	18.7	C, CN
5	1800	184T	171630.60	√	1158	C184T17FB1	120	208-230/460	12.8	89.5	1.25	17.3	C, CN
	1200	215T	171635.60	√	1765	C215T11FW1	186	208-230/460	14.4	89.5	1.25	20.1	C, CN
7 1/2	3600	213T	171616.60	√	1608	C213T34FW1	155	208-230/460	18.0	91.0	1.25	18.7	C, CN
	1800	213T	171622.60	√	1552	C213T17FW1	165	208-230/460	18.6	91.7	1.25	18.7	C, CN
	1200	254T	171636.60	√	2295	C254T11FW1	263	208-230/460	22.2	91.7	1.25	23.7	C, CN
10	3600	215T	171617.60	√	1908	C215T34FW1	190	208-230/460	23.0	91.7	1.25	20.1	C, CN
	1800	215T	171631.60	√	1850	C215T17FB1	187	208-230/460	25.0	91.7	1.25	20.1	C, CN
	1200	256T	171637.60	√	3282	C256T11FB1	312	208-230/460	29.0	91.7	1.25	25.4	C, CN
15	3600	254T	171620.60	√	2593	C254T34FW1	294	208-230/460	34.6	92.4	1.25	23.7	C, CN
	1800	254T	171632.60	√	2508	C254T17W1	294	208-230/460	36.0	92.4	1.25	23.7	C, CN
	1200	284T	171638.60	√	4443	C284T11FW1	346	208-230/460	40.6	92.4	1.25	26.8	C, CN
20	3605	256T	171621.60	√	3169	C256T34FW1	330	208-230/460	46.0	92.4	1.25	25.4	C, CN
	1800	256T	171633.60	√	3132	C256T17FW1	335	208-230/460	49.0	93.0	1.15	25.4	C, CN
	1200	286T	171639.60	√	5552	C286T11FW1	405	208-230/460	54.0	92.4	1.25	28.3	C, CN

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View On-line Technical Information

General Specifications:
Cast iron designed motors that are designed for use in pulp and paper mills, foundries, chemical plants or any severe duty application.

Features:
- Meets Ford EM1-1996 Spec.
- 460 volt - 3 lead designs
- Full cast iron construction
- Class F insulation
- Shielded ball bearing construction

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143T	LM32856	C/A	863	CCS4B1T61	59	230/460	——	85.5	1.15	——	C, US
	1200	145T	LM32857	C/A	1075	CCS6B1T61	57	230/460	——	82.5	1.15	——	C, US
1 1/2	3600	143T	LM32858	C/A	1048	CCS2B1.5T61	56	230/460	——	84.0	1.15	——	C, US
	1800	145T	LM32859	C/A	899	CCS4B1.5T61	62	230/460	——	86.5	1.15	——	C, US
	1200	182T	LM32860	C/A	1107	CCS6B1.5T61	112	230/460	——	87.5	1.15	——	C, US
2	3600	145T	LM32861	C/A	1115	CCS2B2T61	71	230/460	——	85.5	1.15	——	C, US
	1800	145T	LM32862	√	961	CCS4B2T61	64	230/460	6.0	86.5	1.25	14.3	C, US
	1200	184T	LM32863	C/A	1210	CCS6B2T61	126	230/460	——	88.5	1.15	——	C, US
3	3600	182T	LM32864	C/A	1230	CCS2B3T61	107	230/460	——	88.5	1.15	——	C, US
	1800	182T	LM16644	√	1168	CCS4B3T61T5	104	230/460	8.0	90.2	1.25	15.2	C, US
	1200	213T	LM32865	C/A	1549	CCS6B3T61	173	230/460	——	89.5	1.15	——	C, US
5	3600	184T	LM32866	C/A	1460	CCS2B5T61	108	230/460	11.8	89.5	1.15	16.2	C, US
	1800	184T	LM16650	C/A	1277	CCS4B5T61T5	138	230/460	12.4	90.2	1.15	16.2	C, US
	1200	215T	LM32867	C/A	2117	CCS6B5T61	203	230/460	——	89.5	1.15	——	C, US
7 1/2	3600	213T	LM32868	C/A	1765	CCS2B7.5T61	192	230/460	——	89.5	1.15	——	C, US
	1800	213T	LM32869	√	1666	CCS4P7.5T61	223	230/460	19.4	91.7	1.15	19.7	C, US
	1200	254T	LM16656	C/A	2885	CCS6B7.5T61YT5	249	230/460	——	90	1.15	23.2	C, US
10	3600	215T	LM32870	C/A	2054	CCS2B10T61	218	230/460	——	90.2	1.15	——	C, US
	1800	215T	LM16919	C/A	2105	CCS4B10T61	213	230/460	25.0	91.7	1.25	——	C, US
	1200	256T	LM32871	C/A	3534	CCS6B10T61	368	230/460	——	91.0	1.15	——	C, US
15	3600	254T	LM32872	C/A	2716	CCS2B15T61	384	230/460	——	91.0	1.15	——	C, US
	1800	254T	LM32873	C/A	2637	CCS4B15T61	322	230/460	——	92.4	1.15	——	C, US
	1200	284T	LM32874	√	4913	CCS6B15T61Y	483	230/460	41.0	91.7	1.25	26.3	C, US
20	3600	256T	LM32875	C/A	3335	CCS2B20T61	385	230/460	——	91.0	1.15	——	C, US
	1800	256T	LM32876	√	3400	CCS4B20T61	368	230/460	48.0	93.0	1.15	25.3	C, US
	1200	286T	LM32877	C/A	5761	CCS6B20T61Y	515	230/460	53.5	91.7	1.15	27.8	C, US
25	3600	284TS	LM32878	C/A	4548	CCS2B25TS61Y	461	230/460	——	91.7	1.15	——	C, US
	1800	284T	LM32879	√	4002	CCS4B25T61Y	495	230/460	62.0	93.6	1.25	26.3	C, US
	1200	324T	LM32880	C/A	7106	CCS6P25T61Y	637	230/460	——	93.0	1.15	——	C, US
30	3600	286TS	LM32881	C/A	5395	CCS2B30TS61Y	496	230/460	——	91.7	1.15	——	C, US
	1800	286T	LM32882	C/A	4729	CCS4B30T61Y	519	230/460	——	93.6	1.15	——	C, US
	1200	326T	LM32883	C/A	8207	CCS6B30T61Y	689	230/460	——	93.0	1.15	——	C, US
40	3600	324TS	LM32884	C/A	6821	CCS2B40TS61Y	664	230/460	——	92.4	1.15	——	C, US
	1800	324T	LM32885	C/A	6245	CCS4B40T61Y	602	230/460	——	94.1	1.15	——	C, US
	1200	364T	LM32886	C/A	10468	CCS6B40T61Y	835	230/460	——	94.1	1.15	——	C, US

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Severe Duty Motors

Lincoln Severe Duty

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
50	3600	326TS	LM32685	C/A	8762	CCS2B50TS61Y	732	230/460	——	93.0	1.15	——	C, US
	1800	326T	LM32887	√	7272	CCS4B50T61Y	692	230/460	120.0	94.5	1.15	30.4	C, US
	1200	365T	LM32888	C/A	12375	CCS6B50T61Y	955	230/460	123.0	94.5	1.15	32.5	C, US
60	3600	364TS	LM32889	C/A	11171	CCS2B60TS61Y	918	230/460	——	93.6	1.15	——	C, US
	1800	364T	LM32890	C/A	11758	CCS4B60T61Y	980	230/460	——	95.0	1.15	——	C, US
	1200	404T	LM32891	C/A	14180	CCS6B60T61Y	1156	230/460	——	94.5	1.15	——	C, US
75	3600	365TS	LM32892	C/A	14159	CCS2B75TS61Y	1001	230/460	——	93.6	1.15	——	C, US
	1800	365T	LM32893	C/A	13340	CCS4B75T61Y	1018	230/460	172.0	95.4	1.15	32.5	C, US
	1200	405T	LM32894	C/A	17296	CCS6B75T61Y	1280	230/460	——	94.5	1.15	——	C, US
100	3600	405TS	LM32895	C/A	18796	CCS2B100TS61Y	1296	230/460	——	94.1	1.15	——	C, US
	1800	405T	LM32896	C/A	16134	CCS4B100T61Y	1338	230/460	226.0	95.4	1.15	37.1	C, US
	1200	444T	LM32897	C/A	22183	CCS6B100T64Y	1874	460	124*	95.0	1.15	43.4	C, US
125	3600	444TS	LM32898	C/A	23177	CCS2B125TS64Y	1874	460	*	95.0	1.15	——	C, US
	1800	444T	LM32899	C/A	20545	CCS4B125T64Y	1874	460	*	95.4	1.15	——	C, US
	1200	445T	LM32900	C/A	26750	CCS6B125T64	2042	460	*	95.0	1.15	——	C, US
150	3600	445TS	LM32901	C/A	28148	CCS2B150TS64Y	2099	460	*	95.0	1.15	——	C, US
	1800	445T	LM32902	C/A	26673	CCS4B150T64Y	2070	460	*	95.8	1.15	——	C, US
	1200	445T	LM32903	C/A	30387	CCS6B150T64Y	2042	460	*	95.8	1.15	——	C, US
200	3600	445TS	LM32904	C/A	35631	CCS2B200TS64Y	2332	460	*	95.4	1.15	——	C, US
	1800	445T	LM32905	C/A	30347	CCS4B200T64Y	2305	460	224*	96.2	1.15	51.8	C, US
	1200	449T	LM32906	C/A	36293	CCS6B200T64Y	3087	460	*	95.8	1.15	——	C, US
250	3600	449TS	LM15717	C/A	39512	CCS2P250TS64Y	2572	460	*	95.4	1.15	——	C, US
	3600	449TS	LM22908	C/A	39512	CCS2P250TS64	2572	460	*	95.4	1.15	——	C, US
	1800	449T	LM14643	C/A	32477	CCS4P250T64Y	2572	460	290*	95.0	1.15	51.8	C, US
	1800	449T	LM17594	C/A	32476	CCS4P250T64	2572	460	290*	95.0	1.15	51.8	C, US
	1200	449T	LM15723	C/A	39513	CCS6P250T64Y	2883	460	300*	95.4	1.15	51.9	C, US
	1200	449T	LM17597	C/A	39513	CCS6P250T64	2883	460	300*	95.4	1.15	51.8	C, US
300	3600	449TS	LM15721	C/A	48297	CCS2P300TS64Y	2883	460	*	95.4	1.15	——	C, US
	3600	449TS	LM17601	C/A	48297	CCS2P300TS64	2883	460	*	95.4	1.15	——	C, US
	1800	449T	LM14642	C/A	34803	CCS4P300T64Y	2572	460	*	95.4	1.15	——	C, US
	1800	449T	LM22909	C/A	34803	CCS4P300T64	2572	460	*	95.4	1.15	——	C, US
	1200	449T	LM15722	C/A	50566	CCS6P300T64Y	2883	460	*	95.4	1.15	——	C, US
	1200	449T	LM17598	C/A	50566	CCS6P300T64	2883	460	*	95.4	1.15	——	C, US
350	3600	449TS	LM15720	C/A	53564	CCS2P350TS64Y	2883	460	*	95.4	1.15	——	C, US
	3600	449TS	LM17602	C/A	53565	CCS2P350TS64	2883	460	*	95.4	1.15	——	C, US
	1800	449T	LM14645	C/A	38525	CCS4P350T64Y	2883	460	*	95.4	1.15	——	C, US
	1800	449T	LM17599	C/A	38525	CCS4P350T64	2883	460	*	95.4	1.15	——	C, US
	1200	5011LS	LM22210	C/A	37043	CCS6P350LS64Y	5500	460	*	95.8	1.15	——	C, US
400	1800	449T	LM14644	C/A	49127	CCS4P400T64Y	2883	460	*	95.8	1.15	——	C, US
	1800	449T	LM17600	C/A	49127	CCS4P400T64	2883	460	*	95.8	1.15	——	C, US
	1200	5011	LM22211	C/A	105955	CCS6P400L64Y	5500	460	*	95.8	1.15	——	C, US
450	1800	5011LS	LM22212	C/A	100749	CCS4P450LS64Y	5500	460	468*	95.8	1.15	45.1	C, US
	1200	5011LS	LM27292	C/A	124119	CCS6P450LS64Y	5500	460	525*	96.2	1.15	76.6	C, US
500	1800	5011LS	LM22213	C/A	116926	CCS4P500LS64Y	5500	460	*	96.2	1.15	——	C, US
	1200	5013LS	LM27293	C/A	143818	CCS6P500LS64Y	7200	460	*	96.2	1.15	——	C, US
600	1800	5011LS	LM22489	C/A	160625	CCS4P600LS64Y	5500	460	655*	96.2	1.15	67.2	C, US
700	1800	5013LS	LM27295	C/A	171787	CCS4P700LS64Y	7200	460	*	96.5	1.15	——	

Green items are Premium Efficient

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*Amps at 460 Volts

▼ LM Numbers are Lincoln Models

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View On-line Technical Information

LEESON

General Specifications:
Multiguard motors utilize an ODP enclosure utilizing a impregnated and encapsulated process to seal the winding endcoils from contamination. This process protects the windings from moisture, vibration, and some chemical actions.

Features:
- Encapsulated windings
- Durable steel frame construction
- NEMA design B performance
- 284T - 405T: Y-delta start on either voltage
- 444T - 445T: Y-delta start and part-winding start
- 3-year warranty
- Made in the U.S.A

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15	1200	284T	LM03614	C/A	3312	MD6S15T61	280	230/460	43.0	86.5	1.0	23.1	S, US
	1200	284TS	LM10636	C/A	3312	MD6S15TS61	280	230/460	43.0	86.5	1.0	21.7	S, US
20	1200	286T	LM03631	√	3657	MD6S20T61	328	230/460	55.0	84.0	1.0	24.6	S, US
	1200	286TS	LM10637	C/A	3656	MD6S20TS61	328	230/460	55.0	84.0	1.0	23.2	S, US
25	1800	284T	LM03618	√	3384	MD4S25T61	296	230/460	63.0	85.5	1.0	23.0	S, US
	1800	284TS	LM10638	C/A	3384	MD4S25TS61	296	230/460	63.0	85.5	1.0	21.7	S, US
	1200	324T	LM03665	C/A	4804	MD6S25T61	422	230/460	70.0	89.5	1.0	——	S, US
	1200	324TS	LM10639	C/A	4804	MD6S25TS61	422	230/460	70.0	88.5	1.0	24.5	S, US
30	3600	284T	LM03628	C/A	4026	MD2S30T61	306	230/460	77.0	82.5	1.0	——	S, US
	3600	284TS	LM03627	C/A	4026	MD2S30TS61	306	230/460	77.0	82.5	1.0	——	S, US
	1800	286T	LM03636	√	3564	MD4S30T61	334	230/460	74.0	87.5	1.0	24.6	S, US
	1800	286TS	LM03637	C/A	3564	MD4S30TS61	334	230/460	74.0	87.5	1.0	23.3	S, US
	1200	326T	LM03865	C/A	5262	MD6S30T61	482	230/460	81.0	91.0	1.0	——	S, US
	1200	326TS	LM10640	C/A	5262	MD6S30TS61	482	230/460	81.0	91.0	1.0	26.0	S, US
40	3600	286T	LM03651	C/A	4644	MD2S40T61	350	230/460	97.0	87.0	1.0	24.6	S, US
	3600	286TS	LM03650	C/A	4644	MD2S40TS61	350	230/460	97.0	87.0	1.0	23.2	S, US
	1800	324T	LM03669	√	4660	MD4S40T61	420	230/460	99.0	95.0	1.0	25.8	S, US
	1800	324TS	LM03670	C/A	4660	MD4S40TS61	420	230/460	99.0	90.2	1.0	24.5	S, US
	1200	364T	LM03703	C/A	9587	MD6S40T61	655	230/460	176.0	84.0	1.0	28.4	S, US
	1200	364TS	LM10641	C/A	9587	MD6S40TS61	655	230/460	176.0	84.0	1.0	26.3	S, US
50	3600	324T	LM03682	C/A	5576	MD2S50T61	425	230/460	122.0	89.5	1.0	25.8	S, US
	3600	324TS	LM03681	√	5576	MD2S50TS61	425	230/460	122.0	89.5	1.0	——	S, US
	1800	326T	LM03683	√	4952	MD4S50T61	476	230/460	124.0	89.5	1.0	27.3	S, US
	1800	326TS	LM03684	C/A	4952	MD4S50TS61	476	230/460	124.0	89.5	1.0	25.8	S, US
	1200	365T	LM03720	C/A	7490	MD6S50T61	690	230/460	140.0	91.7	1.0	——	S, US
	1200	365TS	LM10642	C/A	7490	MD6S50TS61	690	230/460	140.0	91.7	1.0	——	S, US

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Severe Duty Motors

ODP-Encapsulated Multiguard®

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	326T	LM03692	C/A	6441	MD2S60T61	484	230/460	154.0	89.5	1.0	27.3	S, US
	3600	326TS	LM03691	C/A	6441	MD2S60TS61	484	230/460	154.0	89.5	1.0	24.5	S, US
	1800	364T	LM03709	C/A	6730	MD4S60T61	627	230/460	144.0	91.7	1.0	28.4	S, US
	1800	364TS	LM03708	C/A	6730	MD4S60TS61	627	230/460	144.0	91.7	1.0	26.3	S, US
	1200	404T	LM03785	C/A	10454	MD6S60T61	855	230/460	158.0	91.7	1.0	32.3	S, US
	1200	404TS	LM10643	C/A	10454	MD6S60TS61	855	230/460	158.0	91.7	1.0	29.3	S, US
75	3600	364T	LM03719	C/A	9814	MD2S75T61	644	230/460	171.0	91.0	1.0	28.4	S, US
	3600	364TS	LM03718	C/A	9814	MD2S75TS61	644	230/460	171.0	91.0	1.0	26.3	S, US
	1800	365T	LM03729	√	7152	MD4S75T61	707	230/460	184.0	92.4	1.0	29.4	S, US
	1800	365TS	LM03728	C/A	7152	MD4S75TS61	697	230/460	184.0	92.4	1.0	27.3	S, US
	1200	405T	LM03799	C/A	10599	MD6S75T61	948	230/460	196.0	91.7	1.0	33.8	S, US
	1200	405TS	LM03800	C/A	10599	MD6S75TS61	948	230/460	196.0	91.7	1.0	30.8	S, US
100	3600	365T	LM03740	C/A	9239	MD2S100T61	712	230/460	244.0	90.2	1.0	29.4	S, US
	3600	365TS	LM03739	C/A	9239	MD2S100TS61	712	230/460	244.0	90.2	1.0	27.3	S, US
	1800	404T	LM03791	C/A	9519	MD4S100T61	865	230/460	230.0	94.1	1.0	32.3	S, US
	1800	404TS	LM03790	C/A	9519	MD4S100TS61	865	230/460	230.0	94.1	1.0	29.3	S, US
	1200	444T	LM03752	C/A	14432	MD6S100T64PY	1213	460	137*	93.6	1.0	37.4	S, US
	1200	444TS	LM03753	C/A	14432	MD6S100TS64PY	1213	460	137*	94.1	1.0	——	S, US
125	3600	404T	LM10644	C/A	13193	MD2S125T61	875	230/460	294.0	92.4	1.0	32.3	S, US
	3600	404TS	LM03797	C/A	13193	MD2S125TS61	875	230/460	294.0	92.4	1.0	29.3	S, US
	1800	405T	LM03809	√	10808	MD4S125T61	972	230/460	290.0	94.1	1.0	33.8	S, US
	1800	405TS	LM03808	C/A	10808	MD4S125TS61	972	230/460	290.0	94.1	1.0	30.8	S, US
	1200	445T	LM03768	C/A	16854	MD6S125T64PY	1377	460	154*	94.1	1.0	——	S, US
	1200	445TS	LM10645	C/A	16854	MD6S125TS64PY	1377	460	154*	94.1	1.0	——	S, US
150	3600	405T	LM03816	C/A	13271	MD2S150T61	978	230/460	368.0	92.4	1.0	33.8	S, US
	3600	405TS	LM03815	C/A	13271	MD2S150TS61	978	230/460	368.0	92.4	1.0	30.8	S, US
	1800	444T	LM03761	C/A	14268	MD4S150T64PY	1230	460	175*	95.0	1.0	37.4	S, US
	1800	444TS	LM03760	C/A	14268	MD4S150TS64PY	1230	460	175*	95.0	1.0	33.5	S, US
200	1800	445T	LM03773	C/A	17412	MD4S200T64PY	1440	460	222*	94.1	1.0	39.6	S, US
	1800	445TS	LM03772	C/A	17412	MD4S200TS64PY	1440	460	222*	94.5	1.0	——	S, US
250	1800	445T	LM03780	C/A	18200	MD4S250T64PY	1500	460	293*	95.0	1.0	39.4	S, US
	1800	445TS	LM03779	C/A	18200	MD4S250TS64PY	1500	460	293*	93.6	1.0	——	S, US

* Amps at 460 Volt

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15	1200	284TC	LM03616	C/A	3515	MD6S15TC61	287	230/460	43.0	86.5	1.0	23.2	S, US
	1200	284TSC	LM03615	C/A	3515	MD6S15TSC61	287	230/460	43.0	86.5	1.0	23.2	S, US
20	1200	286TC	LM03633	C/A	3859	MD6S20TC61	335	230/460	55.0	87.5	1.0	24.7	S, US
	1200	286TSC	LM03632	C/A	3859	MD6S20TSC61	335	230/460	55.0	87.5	1.0	——	S, US
25	1800	284TC	LM03623	C/A	3442	MD4S25TC61	303	230/460	63.0	85.5	1.0	23.2	S, US
	1800	284TSC	LM03619	C/A	3442	MD4S25TSC61	303	230/460	63.0	85.5	1.0	21.8	S, US
	1200	324TC	LM03666	C/A	5144	MD6S25TC61	432	230/460	70.0	88.5	1.0	——	S, US
30	1800	286TC	LM03643	√	3495	MD4S30TC61	343	230/460	74.0	87.5	1.0	24.7	S, US
	1800	286TSC	LM03639	C/A	3495	MD4S30TSC61	343	230/460	74.0	87.5	1.0	——	S, US
	1200	326TC	LM20488	C/A	5602	SE6S30TC61	482	230/460	81.0	91.0	1.0	——	S, US
40	1800	324TC	LM03673	C/A	5000	MD4S40TC61	439	230/460	99.0	90.2	1.0	25.9	S, US
	1800	324TSC	LM03671	√	5000	MD4S40TSC61	439	230/460	90.0	90.2	1.0	27.5	S, US
	1200	364TC	LM03705	C/A	7990	MD6S40TC61	667	230/460	176.0	84.0	1.0	28.6	S, US
50	1800	326TC	LM03686	√	5290	MD4S50TC61	486	230/460	124.0	89.5	1.0	27.4	S, US
	1800	326TSC	LM03685	C/A	5290	MD4S50TSC61	486	230/460	124.0	89.5	1.0	25.9	S, US
	1200	365TC	LM03724	C/A	8714	MD6S50TC61	702	230/460	140.0	91.7	1.0	——	S, US
60	1800	364TC	LM03711	C/A	7720	MD4S60TC61	639	230/460	144.0	91.7	1.0	28.4	S, US
	1800	364TSC	LM03713	C/A	7720	MD4S60TSC61	639	230/460	144.0	91.7	1.0	26.3	S, US
75	1800	365TC	LM03730	C/A	8658	MD4S75TC61	709	230/460	184.0	92.4	1.0	29.6	S, US
	1800	365TSC	LM03733	C/A	8658	MD4S75TSC61	709	230/460	184.0	92.4	1.0	27.3	S, US
	1200	405TC	LM03804	C/A	11248	MD6S75TC61	964	230/460	196.0	91.7	1.0	——	S, US
100	1800	404TC	LM03792	C/A	10169	MD4S100TC61	881	230/460	230.0	94.1	1.0	——	S, US
	1800	404TSC	LM03794	C/A	10164	MD4S100TSC61	881	230/460	230.0	94.1	1.0	29.2	S, US
	1200	444TSC	LM03755	C/A	15233	MD6S100TSC64PY	1234	460	125*	94.1	1.0	——	S, US
125	1800	405TC	LM03810	√	11455	MD4S125TC61	988	230/460	290.0	93.0	1.0	——	S, US
	1800	405TSC	LM03812	√	11455	MD4S125TSC61	988	230/460	290.0	94.1	1.0	30.7	S, US
	1200	445TSC	LM03770	C/A	17655	MD6S125TSC64PY	1398	460	167*	94.5	1.0	35.5	S, US
150	1800	444TSC	LM03763	C/A	15069	MD4S150TSC64PY	1251	460	174*	92.4	1.0	33.0	S, US
200	1800	445TSC	LM03776	√	18214	MD4S200TSC64PY	1435	460	222*	94.5	1.0	35.0	S, US
250	1800	445TSC	LM16564	C/A	19000	SE4S250TSC64PY	1600	460	*	93.6	1.0	——	

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

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Severe Duty Motors

ODP-Encapsulated Multiguard®

Three Phase - Drip-Proof - Double C Face/Double Shaft - With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15	1200	284TC	LM10725	C/A	3972	MD6S15TCTMC61	295	230/460	43.0	86.5	1.0	——	S, US
	1200	284TSC	LM10726	C/A	3972	MD6S15TSCTSC61	295	230/460	55.0	87.5	1.0	——	S, US
20	1200	286TC	LM10727	C/A	4316	MD6S20TCTMC61	342	230/460	55.0	87.5	1.0	29.1	S, US
	1200	286TSC	LM03634	C/A	4316	MD6S20TSCTSC61	342	230/460	——	84.0	1.0	——	S, US
25	1800	284TC	LM03624	C/A	4055	MD4S25TCTMC61	310	230/460	——	87.5	1.0	——	S, US
	1800	284TSC	LM03625	C/A	3898	MD4S25TSCTSC61	310	230/460	63.0	85.5	1.0	5.5	S, US
	1200	324TC	LM03667	C/A	5548	MD6S25TCTMC61	442	230/460	70.0	88.5	1.0	——	S, US
	1200	324TSC	LM03668	C/A	5548	MD6S25TSCTSC61	442	230/460	——	89.5	1.0	——	S, US
30	1800	286TC	LM03644	√	4225	MD4S30TCTMC61	348	230/460	75.0	89.5	1.0	29.1	S, US
	1800	286TSC	LM03645	C/A	4225	MD4S30TSCTSC61	348	230/460	74.0	87.5	1.0	27.0	S, US
	1200	326TC	LM10730	C/A	6008	MD6S30TCTMC61	502	230/460	81.0	91	1.0	32.5	S, US
	1200	326TSC	LM03866	C/A	6009	MD6S30TSCTSC61	502	230/460	81.0	91.7	1.0	30.2	S, US
40	1800	324TC	LM03674	C/A	5405	MD4S40TCTMC61	440	230/460	99.0	90.2	1.0	31.0	S, US
	1800	324TSC	LM03675	C/A	5403	MD4S40TSCTSC61	440	230/460	99.0	90.2	1.0	28.5	S, US
	1200	364TC	LM03706	C/A	7596	MD6S40TCTMC61	679	230/460	——	91.7	1.0	——	S, US
	1200	364TSC	LM03707	C/A	7596	MD6S40TSCTSC61	679	230/460	124.0	90.2	1.0	30.5	S, US
50	1800	326TC	LM03687	C/A	5697	MD4S50TCTMC61	496	230/460	124.0	89.5	1.0	32.5	S, US
	1800	326TSC	LM27884	C/A	5697	MD4S50TSCT61Y	496	230/460	124.0	89.5	1.0	30.2	S, US
	1200	365TC	LM03725	C/A	9751	MD6S50TCTMC61	714	230/460	——	91.7	1.0	——	S, US
	1200	365TSC	LM03726	√	9751	MD6S50TSCTSC61	714	230/460	151.0	90.2	1.0	31.5	S, US
60	1800	364TC	LM03714	C/A	7855	MD4S60TCTMC61	651	230/460	144.0	91.7	1.0	33.5	S, US
	1800	364TSC	LM03715	C/A	7856	MD4S60TSCTSC61	651	230/460	154.0	92.4	1.0	——	S, US
	1200	404TC	LM03787	C/A	11651	MD6S60TCTMC61	887	230/460	——	92.4	1.0	——	S, US
	1200	404TSC	LM03788	C/A	11651	MD6S60TSCTSC61	887	230/460	177.0	93.6	1.0	34.0	S, US
75	1800	365TC	LM03735	√	8276	MD4S75TCTMC61	721	230/460	184.0	92.4	1.0	34.5	S, US
	1800	365TSC	LM03736	C/A	8276	MD4S75TSCTSC61	721	230/460	184.0	92.4	1.0	31.5	S, US
	1200	405TC	LM03805	C/A	11795	MD6S75TCTMC61	980	230/460	——	92.4	1.0	——	S, US
	1200	405TSC	LM03806	√	11796	MD6S75TSCTSC61	980	230/460	——	92.4	1.0	——	S, US
100	1800	404TC	LM10741	C/A	10715	MD4S100TCTMC61	897	230/460	——	93.0	1.0	——	S, US
	1800	404TSC	LM03795	C/A	10715	MD4S100TSCTSC61	897	230/460	250.0	94.1	1.0	34.0	S, US
	1200	444TC	LM03757	C/A	16104	MD6S100TCTMC64PY	1234	460	——	94.1	1.0	——	S, US
	1200	444TSC	LM03758	C/A	16106	MD6S100TSCTSC64PY	1234	460	——	94.1	1.0	——	S, US
125	1800	405TC	LM10744	C/A	12003	SE4S125TCTMC61	1004	230/460	——	93.0	1.0	——	S, US
	1800	405TSC	LM03813	C/A	12004	MD4S125TSCTSC61	1004	230/460	302.0	93.6	1.0	35.5	S, US
	1200	445TC	LM10745	C/A	18527	MD6S125TCTMC64PY	1419	460	——	94.1	1.0	——	S, US
	1200	445TSC	LM03771	C/A	18527	MD6S125TSCTSC64PY	1419	460	——	94.1	1.0	——	S, US
150	1800	444TC	LM10748	C/A	15941	MD4S150TCTMC64PY	1272	460	——	93.6	1.0	——	S, US
	1800	444TSC	LM03764	C/A	15942	MD4S150TSCTSC64PY	1272	460	175.0*	95.0	1.0	39.0	S, US
200	1800	445TC	LM10749	C/A	19086	MD4S200TCTMC64PY	1482	460	——	94.5	1.0	——	S, US
	1800	445TSC	LM03777	C/A	19086	MD4S200TSCTSC64PY	1482	460	——	94.5	1.0	——	S, US
250	1800	445TC	LM10750	C/A	19874	MD4S250TCTMC64PY	1600	460	——	93.6	1.0	——	S, US
	1800	445TSC	LM10751	C/A	19874	MD4S250TSCTSC64PY	1600	460	——	93.6	1.0	——	S, US

* Amps at 460 Volt

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

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View On-line Technical Information

CUSTOMIZED AND MODIFIED PRODUCTS

Custom Motors, Gearboxes & Gearmotors

LEESON is a leading designer and manufacturer of application-specific AC and DC motors and gearmotors in sub-fractional, fractional and integral horsepower sizes. We offer a database of over 30,000 custom designs, experienced application and design engineering teams, and the unique collaborative environment of the LEESON Design Center to ensure the best, most cost-effective custom motor solution.

Custom Multi-Speed & Low-Speed Motors

LEESON's PDQ Modular Production Program utilizes specially designed and standard components to make almost any imaginable NEMA frame multi-speed or low-speed motor available when you need it. We pride ourselves on fast turnaround times on highly customized motors.

Custom motors include two, three and four-speed motors and speed ranges of 900, 720, 600, 450 and 300 RPMs. We also specialize in non-standard shaft designs. **For quotations, availability and application assistance, phone toll-free to our Canadian manufacturing facility at 1-800-463-1797.**

Mod-Squad Program

Quick-turnaround stock motor modifications are available through the LEESON Motor Mod-Squad. Adding cords or switches, changing mountings, extending leads and incorporating various severe-duty features are among the many standard modifications offered.

MOD·SQUAD
MOTORS MODIFIED FAST

Modified stock gear reducers are offered on a quick-ship basis through the LEESON Gear Mod-Squad. A wide array of mountings, shaft extensions and other changes are available for 600 Series IRONMAN® reducers. In addition, modified stock Gear+Motor™ packages can be created, drawing on LEESON's extensive range of NEMA C face motors.

MOD·SQUAD
REDUCERS MODIFIED FAST

For complete stock products information, visit our online technical database at www.leeson.com/findaproduct.

Explosion Proof Motors

- Meets all UL and CSA safety requirements
- Single and three phase motors
- Double shielded ball bearings
- Automatic overload protection or thermostat protected
- Double shielded ball bearings
- Includes explosion proof conduit box
- NEMA 1.0 or 1.15 service factor
- 1 year warranty
- 3 year warranty on premium efficient models

Applications:

These motors must be applied in accordance with the National Electrical Code, Article #500. Consult NFPA Publication 497M for a complete listing of explosive agents that are typically found in the environments that these motors are exposed to.

Application Notes

These motors must be applied in accordance with the National Electrical Code, Article #500.
A partial listing of explosive agents is noted below. Consult NFPA Publication 497M for a complete listing.
Please note subheads above each column for qualifications of LEESON motors.

Features:

- Meets UL and CSA safety requirements
- Automatic overload protected
- Explosion rated conduit box included
- Internal mounted capacitors
- Double shielded ball bearings

Rating Information:

Division I areas are environments where a hazard is present continuously or would be subject to fire or explosion if the hazard was present as a result of an accident or uncommon occurrence.
Division II areas are environments where the threat of fire or explosion is not normally present and not likely to result in the event of an abnormal occurrence.

Application Notes:

Class I

Group A: Acetylene

Group B: Butadiene, ethylene oxide, hydrogen, propylene oxide, manufactured gases containing more than 30% hydrogen by volume.

Group C: Acetaldehyde, cyclopropane, diethyl ether, ethylene.

Group D: Acetone, acrylonitrile, ammonia, benzene, butane, ethanol, ethylene dichloride, gasoline, hexane, isoprene, methane (natural gas), methanol, naphtha, propane, propylene, styrene, toluene, vinyl acetate, vinyl chloride, xylene.

Class II

Group E: Aluminum, magnesium and other metal dusts with similar characteristics.

Group F: Carbon black, coke or coal dust.

Group G: Flour, starch or grain dust.

Note: No LEESON motors are listed for Class I, Group A or B.

Explosion-Proof Motors

Single Phase - Rigid Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	111074.00	√	749	A6C17EB20	35	115/208-230	Auto.	2.9	1.0	12.97	S, US, 12
1/2	1800	56H	111084.00	√	826	A6C17XB22	41	115/208-230	Auto.	4.4	1.0	13.58	S, US, 6, 13
3/4	1800	56H	110934.00	√	975	A6C17XB21	46	115/208-230	Auto.	5.5	1.0	14.08	S, US, 6, 13
1	1800	56H	110961.00	√	1107	A6C17XB20	47	115/208-230	Auto.	6.7	1.0	14.08	S, US, 6, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - C Face Less Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	111095.00	√	788	A6C34EC20	38	115/208-230	Auto.	2.2	1.0	13.44	S, US, 13
	1800	56C	111075.00	√	826	A6C17EC20	41	115/208-230	Auto.	2.9	1.0	12.97	S, US, 12
1/2	3600	56C	111098.00	√	796	A6C34XC22	35	115/208-230	Auto.	4.2	1.0	13.44	S, US, 13
	3600	56J	116188.00	√	752	A6C34XC31	35	115/208-230	Auto.	3.8	1.0	13.96	S, US, 13
	1800	56C	111085.00	√	916	A6C17XC22	45	115/208-230	Auto.	4.4	1.0	13.94	S, US, 13
3/4	3600	56C	111097.00	√	854	A6C34XC21	40	115/208-230	Auto.	5.0	1.0	13.96	S, US, 13
	3600	56J	116186.00	√	847	A6C34XC32	40	115/208-230	Auto.	5.0	1.0	14.46	S, US, 13
	1800	56C	111086.00	√	1017	A6C17XC21	50	115/208-230	Auto.	5.5	1.0	14.44	S, US, 13
1	3600	56C	111096.00	√	916	A6C34XC20	49	115/208-230	Auto.	6.2	1.0	14.44	S, US, 13
	3600	56J	116185.00	√	909	A6C34XC33	49	115/208-230	Auto.	6.0	1.0	14.96	S, US, 13
	1800	56C	110852.00	√	1160	A6C17XC20	53	115/208-230	Auto.	6.7	1.0	14.44	S, US, 13
1 1/2	3600	56C	114424.00	√	1315	A6C34XC26	44	115/208-230	Auto.	8.5	1.0	14.96	S, US, 13
	3600	56J	116183.00	√	1164	A6C34XC34	54	115/208-230	Auto.	8.5	1.0	14.95	S, US, 13
2	3600	56C	114425.00	√	1617	A6C34XC27	54	115/208-230	Auto.	10.5	1.0	14.94	S, US, 13
	3600	56J	116181.00	√	1267	A6C34XC35	54	115/208-230	Auto.	10.5	1.0	15.45	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - C Face With Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	116605.00	√	815	A6C34XK7	39	115/208-230	Auto.	2.6	1.0	13.44	S, US, 13
	1800	56C	116606.00	√	852	A6C17XK33	42	115/208-230	Auto.	3.3	1.0	13.44	S, US, 13
	1200	56C	116607.00	√	975	A6C17XK31	45	115/208-230	Auto.	3.9	1.0	13.94	S, US, 6, 13
1/2	3600	56C	116608.00	√	822	A6C34XK6	36	115/208-230	Auto.	3.8	1.0	13.44	S, US, 6, 13
	1800	56C	116609.00	√	944	A6C17XK32	46	115/208-230	Auto.	4.4	1.0	13.94	S, US, 6, 13
	1200	56HC	116610.00	√	1057	A6C17XK34	56	115/208-230	Auto.	4.7	1.0	14.94	S, US, 6, 13
3/4	3600	56C	116611.00	√	879	A6C34XK5	41	115/208-230	Auto.	5.3	1.0	13.94	S, US, 6, 13
	1800	56C	116612.00	√	1044	A6C17XK30	51	115/208-230	Auto.	5.5	1.0	14.44	S, US, 6, 13
1	3600	56C	116613.00	√	944	A6C34XK4	50	115/208-230	Auto.	6.3	1.0	14.44	S, US, 6, 13
	1800	56C	116614.00	√	1150	A6C17XK29	54	115/208-230	Auto.	6.7	1.0	14.44	S, US, 6, 13
1 1/2	3600	56C	116615.00	√	1339	A6C34XK3	45	115/208-230	Auto.	8.5	1.0	14.44	S, US, 6, 13
2	3600	56C	116616.00	√	1640	A6C34XK2	58	115/208-230	Auto.	10.5	1.0	14.94	S, US, 6, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON ®

Explosion-Proof Motors

Three Phase - Rigid Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	111932.00	√	765	A6T17EB22	33	208-230/460	Auto	1.3	76.00	1.0	10.97	S, US, 12
	1200	56H	111940.00	√	1098	A6T11EB21	39	208-230/460	Auto	1.5	70.00	1.0	13.97	S, US, 12
1/2	3600	56	111934.00	√	874	A6T34EB22	39	208-230/460	Auto	1.6	82.50	1.0	12.47	S, US, 12
	1800	56	111929.00	√	795	A6T17EB21	32	208-230/460	Auto	1.7	75.00	1.0	12.47	S, US, 12
	1200	56H	111938.00	√	1163	A6T11XB22	44	208-230/460	Auto	2.0	71.00	1.0	13.47	S, US, 6, 12
3/4	3600	56	111937.00	√	914	A6T34XB21	37	208-230/460	Auto	3.2	75.50	1.0	13.44	S, US, 13
	1800	56	111923.00	√	923	A6T17XB21	38	208-230/460	Auto	3.0	75.00	1.0	13.94	S, US, 13
1	3600	56	111942.00	√	965	A6T34XB20	34	208-230/460	Auto	3.6	77.00	1.0	13.44	S, US, 13
	1800	56H	111922.00	√	1003	A6T17XB20	45	208-230/460	Auto	3.6	78.00	1.0	13.94	S, US, 6, 12
1 1/2	3600	143T	121914.00	√	1103	A143T34XB25	49	208-230/460	Auto	4.0	84.00	1.0	14.41	S, US, 13
	1800	145T	121915.00	√	1228	A145T17XB28	59	208-230/460	Auto	4.8	86.50	1.0	14.41	S, US, 13
2	3600	145T	121916.00	√	1137	A145T34XB25	55	208-230/460	Auto	4.8	85.50	1.0	15.41	S, US, 13
	1800	145T	121917.00	√	1363	C145T17XB27	60	208-230/460	Auto	5.8	86.50	1.0	15.41	S, US, 13
3	3600	145T	121918.00	√	1344	U145T34XB26	56	208-230/460	T-Stats	4.8	86.50	1.0	15.91	S, US, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - C Face Less Base

Division I, Division II, Class I, Groups C & D - Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Inverter Speed Range	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	111944.00	√	913	A6T34EC23	36	208-230/460	Auto	1.2	77.00	2 : 1	1.0	11.97	S, US, 12
	1800	56C	111931.00	√	981	A6T17EC23	29	208-230/460	Auto	1.2	76.00	2 : 1	1.0	11.97	S, US, 12
1/2	3600	56C	111933.00	√	951	A6T34EC22	33	208-230/460	Auto	1.6	82.50	2 : 1	1.0	12.47	S, US, 12
	3600	56J	116187.00	√	929	A6T34EC28C	33	208-230/460	Auto	1.6	82.50	2 : 1	1.0	12.98	S, US, 12
	1800	56C	111930.00	√	1039	A6T17EC22	34	208-230/460	Auto	1.7	75.00	2 : 1	1.0	12.47	S, US, 12
3/4	3600	56C	111936.00	√	981	A6T34XC21	27	208-230/460	Auto	2.4	75.50	2 : 1	1.0	13.44	S, US, 13
	1800	56C	111935.00	√	1056	A6T17XC23	36	208-230/460	Auto	3	75.00	2 : 1	1.0	13.94	S, US, 13
1	3600	56C	111943.00	√	1027	A6T34XC20	30	208-230/460	Auto	3.2	77.00	2 : 1	1.0	13.44	S, US, 13
	3600	56J	116184.00	√	1000	A6T34XC31	33	208-230/460	Auto	3.2	77.00	2 : 1	1.0	13.95	S, US, 13
	1800	56C	111926.00	√	1107	A6T17XC22	46	208-230/460	Auto	3.6	78.00	2 : 1	1.0	13.94	S, US, 13
1 1/2	3600	56C	111939.00	√	1168	A6T34XC25	48	208-230/460	Auto	4.2	81.50	2 : 1	1.0	13.94	S, US, 13
	3600	56J	116182.00	√	1025	A6T34XC30	48	208-230/460	Auto	4.2	81.50	2 : 1	1.0	14.46	S, US, 13
	1800	56C	111941.00	√	1192	A6T17XC24	46	208-230/460	Auto	4.4	80.00	2 : 1	1.0	15.94	S, US, 13
2	3600	56C	113971.00	√	1306	A6T34XC26	50	208-230/460	Auto	5.6	82.50	2 : 1	1.15	13.94	S, US, 13
	3600	56J	116180.00	√	1071	A6T34XC29	50	208-230/460	Auto	5.6	82.50	2 : 1	1.0	14.45	S, US, 13
	1800	145TC	G121178.00	√	1291	A145T17XC4	55	208-230/460	Auto	5.6	84.00	2 : 1	1.0	15.03	S, US, 13
3	3600	56C	114419.00	√	1454	A6T34XC28	54	208-230/460	Auto	7.6	84.00	2 : 1	1.0	15.44	S, US, 13
	1800	182TC	G825116.00	√	1680	182TTGS14057	96	230/460	T-Stat	8.5	87.50	2 : 1	1.0	17.87	S, US, 13
5	3600	184TC	G825190.00†	√	1797	184TTGN4013	133	230/460	T-Stat	11.8	87.5	2 : 1	1.0	18.62	S, US, 13
	1800	184TC	G825128.00	√	1925	184TTGN14030	116	230/460	T-Stat	13.8	87.50	2 : 1	1.0	17.87	S, US, 13
7 1/2	3600	213TC	G825188.00	C/A	2700	213TTGN14005	241	230/460	T-Stat	19.0	88.5	2 : 1	1.0	22.25	S, US, 13
	1800	213TC	G825192.00	C/A	2671	213TTGN4050	194	230/460	T-Stat	20.0	89.5	2 : 1	1.0	23.45	S, US, 13
10	3600	215TC	G825193.00	C/A	2834	215TTGN4031	271	230/460	T-Stat	24.0	90.2	2 : 1	1.0	22.25	S, US, 13
	1800	215TC	G825194.00	C/A	2813	215TTGN4051	216	230/460	T-Stat	25.0	86.5	2 : 1	1.0	23.45	S, US, 13
15	3600	254TC	G825195.00	C/A	3586	254TTGP14014	301	230/460	T-Stat	35.0	90.2	2 : 1	1.0	24.19	S, US, 13
	1800	254TC	G825196.00	C/A	4202	T254T17XC1A	370	230/460	T-Stat	39.0	91.0	2 : 1	1.0	25.77	S, US, 13
20	3600	256TC	G825197.00	C/A	4817	256TTGN14013	340	230/460	T-Stat	47.0	90.2	2 : 1	1.0	25.77	S, US, 13
	1800	256TC	G825198.00	C/A	4791	256TTGN14046	315	230/460	T-Stat	50.0	91.0	2 : 1	1.0	25.94	S, US, 13

† - Explosion-proof motors are Class I, Group D—Class II, Groups F & G.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Explosion-Proof Motors

Three Phase - C Face With Base

Division I, Division II, Class I, Groups C & D Class II, Groups F & G - W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	114625.00	√	923	A6T34EK1	33	208-230/460	Auto.	1.2	77.00	1.0	11.97	S, US, 12
	1800	56C	114626.00	√	997	A6T17EK7	38	208-230/460	Auto.	1.3	76.00	1.0	11.97	S, US, 12
1/2	3600	56C	114627.00	√	962	A6T34EK2	35	208-230/460	Auto.	1.6	82.50	1.0	12.47	S, US, 12
	1800	56C	114628.00	√	1043	A6T17EK8	35	208-230/460	Auto.	1.7	75.00	1.0	12.47	S, US, 12
	1800	56C	116190.00	√	1311	C6T17XK23	34	208-230/460	T-Stat	2.4	68.00	1.0	13.44	S, US, 13
3/4	3600	56C	114629.00	√	994	A6T34XK2	33	208-230/460	Auto.	2.4	75.50	1.0	13.44	S, US, 13
	1800	56C	114630.00	√	1063	A6T17XK11	42	208-230/460	Auto.	2.6	75.00	1.0	13.94	S, US, 13
	1800	56C	116191.00	√	1337	C6T17XK24	38	208-230/460	T-Stat	3	75.50	1.0	13.44	S, US, 13
1	3600	56C	114631.00	√	1039	A6T34XK3	34	208-230/460	Auto.	3.2	77.00	1.0	13.44	S, US, 13
	1800	56C	114632.00	√	1128	A6T17XK12	48	208-230/460	Auto.	3.2	85.50	1.0	14.50	S, US, 13
	1800	143TC	121919.00	√	1674	C143T17XK3	44	208-230/460	T-Stat	3	82.50	1.0	14.50	S, US, 13
1 1/2	3600	56C	114633.00	√	1179	A6T34XK4	42	208-230/460	Auto.	4.2	81.50	1.0	13.94	S, US, 13
	1800	56C	114634.00	√	1207	A6T17XK13	45	208-230/460	Auto.	4.4	80.00	1.0	15.94	S, US, 13
	1800	145TC	121920.00	√	1736	C145T17XK6	58	208-230/460	T-Stat	4.8	86.50	1.15	16.00	S, US, 13
2	3600	56C	114635.00	√	1167	A6T34XK5	51	208-230/460	Auto.	5.6	78.80	1.0	13.94	S, US, 13
	1800	145TC	121921.00	√	1461	C145T17XK7	62	208-230/460	Auto.	5.8	86.50	1.0	15.02	S, US, 13
	1800	145TC	121922.00	√	1899	C145T17XK8	66	208-230/460	T-Stat	5.8	86.50	1.0	16.50	S, US, 13
3	3600	56C	114636.00 v	√	1462	A6T34XK6	62	208-230/460	Auto.	7.6	84.00	1.0	15.44	S, US, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

v Catalog #114636 is approved for Class I, Group C & D – Class II, Group F service only.

Specifications are subject to change without notice

Three Phase - C Face With Rigid Base - ALL Cast Iron Construction

Division I, Division II, Class I, Group D Class II, Groups F & G • W/Conduit Box

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182TC	825125.00	√	1733	182TTGN16508	95	230/460	T-Stat	7.6	87.5	1.15	17.62	C, US
	1800	182TC	825126.00	√	1733	182TTGN16529	96	230/460	T-Stat	7.8	90.2	1.15	17.60	C, US
5	3600	184TC	825127.00	√	1849	184TTGN16503	130	230/460	T-Stat	12.0	88.5	1.15	17.62	C, US
	1800	184TC	825071.00	√	1849	184TTGN16537	130	230/460	T-Stat	12.8	90.2	1.15	17.60	C, US
7 1/2	3600	213TC	825072.00	√	2776	213TTGN16507	143	230/460	T-Stat	18.0	90.2	1.15	20.68	C, US
	1800	213TC	825073.00	√	2749	213TTGN16526	143	230/460	T-Stat	18.6	91.7	1.15	20.68	C, US
10	3600	215TC	825074.00	√	2916	215TTGN16505	160	230/460	T-Stat	23.0	91.7	1.15	20.68	C, US
	1800	215TC	825075.00	√	2894	215TTGN16526	160	230/460	T-Stat	25.0	91.7	1.15	20.68	C, US
15	3600	254TC	825076.00	√	3689	254TTGN16507	245	230/460	T-Stat	34.6	91.7	1.15	24.02	C, US
	1800	254TC	825077.00†	√	4323	254TTGN16540	246	230/460	T-Stat	36.0	92.4	1.15	24.02	C, US
20	3600	256TC	825078.00†	√	4956	256TTGN16513	271	230/460	T-Stat	46.0	91.0	1.15	25.77	C, US
	1800	256TC	825079.00†	√	4929	256TTGN16543	273	230/460	T-Stat	49.0	93.0	1.15	25.77	C, US
25	3600	284TSC	825080.00†	√	5131	284TSTGN16506	373	230/460	T-Stat	56.8	91.7	1.15	24.44	C, US
	1800	284TC	825081.00†	√	5075	284TTGN16540	375	230/460	T-Stat	59.0	93.6	1.15	26.80	C, US
30	1800	286TC	825082.00†	√	5766	286TTGN16538	395	230/460	T-Stat	70.0	93.6	1.15	28.30	C, US
40	1800	324TC	825083.00†	√	7494	324TTGS1603	563	230/460	T-Stat	92.0	94.1	1.15	29.37	C, US
50	1800	326TC	825084.00†	√	9223	326TTGS16031	585	230/460	T-Stat	117.0	94.5	1.15	30.87	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

† - Explosion-proof motors are Class I, Groups C & D—Class II, Groups F & G.

Specifications are subject to change without notice

View On-line Technical Information

Three Phase - C Face With Rigid Base - ALL Cast Iron Construction

Division I, Division II, Class I, Groups C & D Class II, Groups F & G -

All Ratings Are Inverter Rated

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Inverter Speed Range	Service Factor	"C" Dim. (Inches)	♥Notes
3	1800	182T	825085.00	√	1644	213TTGN16526	107	230/460	T-Stat	7.8	89.5	10 : 1	1.15	17.62	C, US
5	3600	184T	825086.00	√	1733	213TTGN16526	117	230/460	T-Stat	12.0	88.5	2 : 1	1.15	17.62	C, US
	1800	184T	825087.00	√	1703	213TTGN16526	128	230/460	T-Stat	12.8	89.5	10 : 1	1.15	17.62	C, US
7 1/2	3600	213T	825088.00	√	2658	213TTGN16526	183	230/460	T-Stat	18.0	89.5	2 : 1	1.15	21.41	C, US
	1800	213T	825089.00	√	2628	213TTGN16526	228	230/460	T-Stat	18.6	91.7	2 : 1	1.15	20.16	C, US
10	3600	215T	825090.00	√	2789	213TTGN16526	200	230/460	T-Stat	23.6	90.2	2 : 1	1.15	21.41	C, US
	1800	215T	825091.00	√	2776	213TTGN16526	273	230/460	T-Stat	25.0	91.7	2 : 1	1.15	21.41	C, US
15	3600	254T	825092.00	√	3761	213TTGN16526	333	230/460	T-Stat	34.6	91.0	2 : 1	1.15	24.12	C, US
	1800	254T	825093.00	√	3745	213TTGN16526	383	230/460	T-Stat	36.0	92.4	10 : 1	1.15	24.12	C, US
20	3600	256T	825094.00	√	3941	213TTGN16526	383	230/460	T-Stat	46.8	91.0	2 : 1	1.15	25.77	C, US
	1800	256T	825095.00	√	3911	213TTGN16526	285	230/460	T-Stat	48.2	93.0	2 : 1	1.15	25.77	C, US
25	3600	284TS	825096.00	√	5085	213TTGN16526	413	230/460	T-Stat	56.2	91.7	2 : 1	1.15	25.44	C, US
	1800	284T	825097.00	√	4567	213TTGN16526	374	230/460	T-Stat	62.0	93.6	2 : 1	1.15	26.80	C, US
30	3600	286TS	825098.00	√	5188	213TTGN16526	464	230/460	T-Stat	67.6	91.7	2 : 1	1.15	26.94	C, US
	1800	286T	825099.00	√	5146	213TTGN16526	464	230/460	T-Stat	73.0	93.6	2 : 1	1.15	28.30	C, US
40	3600	324TS	825100.00	√	7176	213TTGN16526	515	230/460	T-Stat	94.0	92.4	2 : 1	1.15	27.87	C, US
	1800	324T	825101.00	√	6912	213TTGN16526	535	230/460	T-Stat	95.0	94.1	2 : 1	1.15	29.37	C, US
50	3600	326TS	825102.00	√	9027	213TTGN16526	585	230/460	T-Stat	116.0	93.0	2 : 1	1.15	29.37	C, US
	1800	326T	825103.00	√	8969	213TTGN16526	585	230/460	T-Stat	120.0	94.5	2 : 1	1.0	30.57	C, US
60	3600	364TS	825104.00	C/A	12897	213TTGN16526	890	230/460	T-Stat	134.0	93.6	2 : 1	1.15	29.88	C, US
	1800	364T	825105.00	√	12349	213TTGN16526	992	230/460	T-Stat	138.0	95.0	2 : 1	1.15	32.00	C, US
75	3600	365TS	825106.00	√	14904	213TTGN16526	1025	230/460	T-Stat	168.0	93.6	2 : 1	1.15	30.88	C, US
	1800	365T	825107.00	√	14712	213TTGN16526	1053	230/460	T-Stat	172.0	95.4	2 : 1	1.15	33.00	C, US
100	3600	405TS	825108.00	C/A	20161	213TTGN16526	1168	230/460	T-Stat	216.0	94.1	2 : 1	1.15	34.62	C, US
	1800	405T	825109.00	C/A	17927	213TTGN16526	1322	230/460	T-Stat	226.0	95.4	2 : 1	1.15	37.62	C, US
125	3600	444TS	825110.00	C/A	27831	213TTGN16526	1768	230/460	T-Stat	136.0	95.0	2 : 1	1.15	38.00	C, US
	1800	444T	825111.00	C/A	23385	213TTGN16526	1822	460	T-Stat	141.0*	95.4	10 : 1	1.15	41.75	C, US
150	3600	445TS	825112.00	C/A	32575	213TTGN16526	2072	460	T-Stat	165.0*	95.0	2 : 1	1.15	38.00	C, US
	1800	445T	825113.00	C/A	27255	213TTGN16526	2072	460	T-Stat	172.0*	95.8	10 : 1	1.15	43.69	C, US
200	3600	445TS	825114.00	C/A	39751	213TTGN16526	2332	460	T-Stat	222.0*	95.4	2 : 1	1.15	38.00	C, US
	1800	445T	825115.00	C/A	32213	213TTGN16526	2275	460	T-Stat	226.0*	96.2	2 : 1	1.15	43.69	C, US
250	3600	449TS	G825071.00	C/A	——	213TTGN16526	2480	460	T-Stat	274.0*	95.4	2 : 1	1.0	48.14	C, US
	1800	449T	G825072.00	C/A	——	213TTGN16526	2630	460	T-Stat	285.0*	95.0	2 : 1	1.0	51.85	C, US

These explosion-proof motors are not designed for vertical mounting.

♥ Note listing on inside back flap

Green items are Premium Efficient

* Amps at 460 Volts

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Automotive Duty Motors

- Meets NEMA U-frame dimensions and performance
- Meets or exceeds General Motors GM-7EH, and -7EQ, Ford Emi and Chrysler NPEM-100 specifications
- NEMA design B performance
- Inverter rated
- Oversized cast iron conduit box with threaded conduit holes
- Lower noise designs
- Shielded ball bearing construction
- UL recognized component listing and CSA approved

Applications:

Ideally suited for a wide variety of tough applications found in automotive manufacturing facilities and other industries utilizing U-Frame motors, which would include pumps, conveyors and fans.

Automotive Duty Motors

Totally Enclosed - 56 Frame - 1/4 HP - 3 HP

Features:
- NEMA Design B Performance
- Steel frame/cast aluminum end brackets
- Premium Class F Insulation system
- Continuous Duty

Application Notes:
Ideally suited for use on pumps, fans, conveyors, gear boxes and other equipment located in automotive manufacturing facilities.

Three Phase - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56	LM25123	√	532	SRN4H0.25T61	22	230/460	1.1	68.0	1.0	9.94	2 : 1	S, MX
	1200	56	LM25127	√	760	SRN6H0.25T61	28	230/460	1.2	73.4	1.0	10.94	2 : 1	S, MX
1/3	3600	56	LM25124	√	478	SRN2H0.33T61	20	230/460	2.0	64.0	1.0	9.94	2 : 1	S, US
	1800	56	LM25115	√	566	SRN4H0.33T61	22	230/460	1.2	68.0	1.0	9.94	2 : 1	S, MX
	1200	56	LM25116	C/A	768	SRN6H0.33T61	29	230/460	1.5	75.5	1.0	10.94	2 : 1	S, US
1/2	3600	56	LM25126	√	514	SRN2H0.5T61	23	230/460	1.6	74.0	1.0	9.94	2 : 1	S, US
	1800	56	LM24258	√	647	SRN4H0.5T61	26	230/460	2.0	77.0	1.0	10.44	2 : 1	S, MX
	1200	56	LM24268	√	848	SRN6H0.5T61	42	230/460	1.9	78.5	1.0	11.94	2 : 1	S, MX
3/4	3600	56	LM25133	C/A	588	SRN2H0.75T61	34	230/460	2.4	80.0	1.0	10.94	2 : 1	S, US
	1800	56	LM24266	C/A	716	SRN4H0.75T61	30	230/460	2.4	81.5	1.0	10.94	2 : 1	S, MX
	1800	56	LM25142	C/A	1149	SRF4H0.75T61	25	230/460	3.0	75.5	1.0	11.82	2 : 1	S, US
	1200	56	LM25148	C/A	669	SRF6H0.75T61	29	230/460	3.0	74.0	1.0	12.32	2 : 1	S, US
1	3600	56	LM25129	C/A	662	SRN2H1T61	41	230/460	2.8	82.5	1.0	11.94	2 : 1	S, US
	1800	56	LM25113	√	563	SRF4H1T61	28	230/460	3.6	77.0	1.0	12.32	2 : 1	S, MX
	1200	56	LM25130	√	710	SRF6H1T61	37	230/460	3.6	78.5	1.0	12.82	2 : 1	S, US
1 1/2	3600	56	LM25160	C/A	616	SRF2H1.5T61	27	230/460	4.4	80.0	1.0	12.32	2 : 1	S, US
	1800	56	LM25147	C/A	616	SRF4H1.5T61	32	230/460	4.8	80.0	1.15	12.32	2 : 1	S, US
2	3600	56	LM25161	C/A	710	SRF2H2T61	31	230/460	5.8	80.0	1.15	13.52	2 : 1	S, US
	1800	56	LM25159	C/A	710	SRF4H2T61	46	230/460	N/A	82.5	1.0	13.52	2 : 1	S, US
3	3600	56	LM25152	C/A	796	SRF2H3T61	44	230/460	7.6	84.0	1.0	13.52	2 : 1	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Automotive Duty Motors

Totally Enclosed - 56 Frame - 1/4 HP - 3 HP

Three Phase - C Face Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56C	LM25131	C/A	586	SRN4H0.25TC61	20	230/460	1.1	68.0	1.15	9.94	2 : 1	S, US
	1200	56C	LM25135	√	816	SRN6H0.25TC61	24	230/460	1.2	73.4	1.0	10.94	2 : 1	S, US
1/3	3600	56C	LM25153	C/A	533	SRN2H0.33TC61	20	230/460	2.0	64.0	1.15	9.94	2 : 1	S, US
	1800	56C	LM25149	C/A	622	SRN4H0.33TC61	22	230/460	1.2	68.0	1.0	9.94	2 : 1	S, US
	1200	56C	LM25164	C/A	823	SRN6H0.33TC61	29	230/460	1.5	75.5	1.15	10.94	2 : 1	S, US
1/2	3600	56C	LM25151	C/A	566	SRN2H0.5TC61	25	230/460	1.8	74.0	1.0	10.44	2 : 1	S, US
	1800	56C	LM25114	√	702	SRN4H0.5TC61	24	230/460	2.0	77.0	1.0	10.44	2 : 1	S, MX
	1200	56C	LM25134	√	902	SRN6H0.5TC61	42	230/460	1.9	78.5	1.0	11.94	2 : 1	S, MX
3/4	3600	56C	LM25119	C/A	644	SRN2H0.75TC61	34	230/460	2.4	80.0	1.0	10.94	2 : 1	S, US
	1800	56C	LM25121	√	772	SRN4H0.75TC61	30	230/460	2.4	81.5	1.0	10.94	2 : 1	S, MX
	1200	56C	LM25141	C/A	724	SRF6H0.75TC61	30	230/460	3.0	74.0	1.15	12.31	2 : 1	S, US
1	3600	56C	LM25125	√	716	SRN2H1TC61	41	230/460	2.8	82.5	1.0	11.94	2 : 1	S, US
	1800	56C	LM25117	√	619	SRF4H1TC61	29	230/460	3.6	77.0	1.0	12.31	2 : 1	S, MX
	1200	56C	LM25150	C/A	766	SRF6H1TC61	37	230/460	4.0	78.5	1.0	12.81	2 : 1	S, US
1 1/2	3600	56C	LM25163	C/A	672	SRF2H1.5TC61	27	230/460	——	80.0	1.0	——	2 : 1	S, US
	1800	56C	LM25143	C/A	672	SRF4H1.5TC61	33	230/460	4.8	80.0	1.15	12.31	2 : 1	S, US
2	3600	56C	LM25145	C/A	766	SRF2H2TC61	32	230/460	6.0	80.0	1.15	12.32	2 : 1	S, US
	1800	56C	LM25156	C/A	766	SRF4H2TC61	46	230/460	5.6	82.5	1.15	13.82	2 : 1	S, US
3	3600	56C	LM25146	C/A	852	SRF2H3TC61	45	230/460	7.8	84.0	1.15	14.32	2 : 1	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56C	LM25136	√	586	SRN4H0.25TCN61	19	230/460	1.1	68.0	1.0	9.94	2 : 1	S, MX
	1200	56C	LM25138	C/A	816	SRN6H0.25TCN61	23	230/460	1.2	73.4	1.0	10.94	2 : 1	S, US
1/3	3600	56C	LM25158	C/A	533	SRN2H0.33TCN61	21	230/460	2.0	64.0	1.0	9.94	2 : 1	S, US
	1800	56C	LM25128	√	622	SRN4H0.33TCN61	21	230/460	1.2	68.0	1.0	9.94	2 : 1	S, MX
	1200	56C	LM25155	C/A	823	SRN6H0.33TCN61	26	230/460	1.6	75.5	1.0	10.94	2 : 1	S, US
1/2	3600	56C	LM25154	C/A	566	SRN2H0.5TCN61	23	230/460	1.6	74.0	1.15	9.94	2 : 1	S, US
	1800	56C	LM24259	√	702	SRN4H0.5TCN61	26	230/460	2.0	77.0	1.0	10.44	2 : 1	S, MX
	1200	56C	LM25122	C/A	902	SRN6H0.5TCN61	33	230/460	1.9	78.5	1.0	11.94	2 : 1	S, US
3/4	3600	56C	LM25139	C/A	642	SRN2H0.75TCN61	26	230/460	2.0	80.0	1.15	11.94	2 : 1	S, US
	1800	56C	LM24262	√	772	SRN4H0.75TCN61	25	230/460	2.4	81.5	1.0	10.94	2 : 1	S, MX
	1200	56C	LM25137	C/A	723	SRF6H0.75TCN61	29	230/460	——	74.0	1.0	——	2 : 1	S, US
1	3600	56C	LM25112	√	716	SRN2H1TCN61	33	230/460	2.8	82.5	1.0	11.94	2 : 1	S, US
	1800	56C	LM24271	√	619	SRF4H1TCN61	26	230/460	3.6	77.0	1.0	12.32	2 : 1	S, MX
	1200	56C	LM25118	C/A	766	SRF6H1TCN61	31	230/460	4.0	78.5	1.0	12.82	2 : 1	S, US
1 1/2	3600	56C	LM25120	√	671	SRF2H1.5TCN61	31	230/460	4.6	80.0	1.0	11.82	2 : 1	S, US
	1800	56C	LM25140	C/A	671	SRF4H1.5TCN61	31	230/460	4.8	80.0	1.15	12.32	2 : 1	S, US
2	3600	56C	LM25165	C/A	766	SRF2H2TCN61	33	230/460	6.0	80.0	1.0	12.32	2 : 1	S, US
	1800	56C	LM25132	C/A	766	SRF4H2TCN61	33	230/460	5.8	82.5	1.0	13.82	2 : 1	S, US
3	3600	56C	LM25157	C/A	852	SRF2H3TCN61	39	230/460	7.6	84.0	1.0	13.32	2 : 1	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Automotive Duty - U-Frame - Three Phase - 460 Volts

Features:
- Meets NEMA U-Frame dimensional and performance standards
- Meets or exceeds General Motors GM-7EH and -7EQ, Ford EM1, and Chrysler NPEM-100 specifications
- Full cast iron construction – all frame sizes
- Oversized, cast iron terminal box with threaded conduit holes
- NEMA Design B Performance
- Continuous Duty
- Inverter-Rated
- Premium Class F Insulation System

Application Notes:
Ideally suited for a wide variety of tough applications found in automotive manufacturing facilities and other industries utilizing U-Frame motors.
Lincoln U-Frame motors exceed NEMA MG-1, Section IV, Part 31 spike resistance requirements.

Three Phase - Rigid Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
3/4	1200	182U	LM21379	C/A	1141	CCN6P0.75U64	89	460	1.3	82.5	1.0	12.21	10 : 1	C, US
1	1800	182U	LM21378	√	1073	CCN4P1U64	110	460	1.5	87.5	1.0	12.21	10 : 1	C, US
	1200	184U	LM21381	√	1312	CCN6P1U64	108	460	1.7	86.5	1.0	13.21	10 : 1	C, US
1 1/2	3600	182U	LM21084	√	986	CCN2P1.5U64	108	460	2.0	85.5	1.0	12.21	10 : 1	C, US
	1800	184U	LM21380	√	1149	CCN4P1.5U64	108	460	2.1	88.8	1.0	13.21	10 : 1	C, US
	1200	184U	LM20709	√	1443	CCN6P1.5U64	99	460	2.2	87.5	1.0	13.21	10 : 1	C, US
2	3600	184U	LM21085	√	1087	CCF2P2U64	120	460	2.7	85.5	1.0	15.69	10 : 1	C, US
	1800	184U	LM20708	√	1209	CCF4P2U64	120	460	2.6	89.5	1.0	15.69	10 : 1	C, US
	1200	213U	LM21383	C/A	1600	CCF6P2U64	170	460	3.1	87.5	1.0	17.82	10 : 1	C, US
3	3600	184U	LM20707	√	1339	CCF2P3U64	120	460	3.8	87.5	1.0	15.69	10 : 1	C, US
	1800	213U	LM21382	√	1391	CCF4P3U64	170	460	4.0	88.5	1.0	17.82	10 : 1	C, US
	1200	215U	LM20391	√	1982	CCF6P3U64	170	460	4.4	89.5	1.0	19.32	10 : 1	C, US
5	3600	213U	LM21086	√	1484	CCF2P5U64	170	460	6.4	87.5	1.0	17.82	10 : 1	C, US
	1800	215U	LM20392	√	1844	CCF4P5U64	170	460	6.5	89.5	1.0	19.32	10 : 1	C, US
	1200	254U	LM21385	√	2904	CCF6P5U64	260	460	6.7	90.2	1.0	23.27	10 : 1	C, US
7 1/2	3600	215U	LM20393	C/A	1786	CCF2P7.5U64	170	460	9.5	88.5	1.0	19.32	10 : 1	C, US
	1800	254U	LM21384	√	2422	CCF4P7.5U64	260	460	9.6	91.7	1.0	23.44	10 : 1	C, US
	1200	256U	LM20389	√	3526	CCF6P7.5U64	332	460	9.9	91.0	1.0	25.02	10 : 1	C, US
10	3600	254U	LM21087	√	2138	CCF2P10U64	260	460	12.0	89.5	1.0	23.44	10 : 1	C, US
	1800	256U	LM20390	√	2943	CCF4P10U64	260	460	12.5	91.7	1.0	25.19	10 : 1	C, US
	1200	284U	LM20028	C/A	4322	CCF6P10U64	525	460	13.1	91.0	1.0	26.52	10 : 1	C, US
15	3600	256U	LM20394	√	2724	CCF2P15U64	260	460	17.5	91.7	1.0	25.02	10 : 1	C, US
	1800	284U	LM21665	√	4042	CCF4P15U64	525	460	18.0	92.4	1.0	26.52	10 : 1	C, US
	1200	324U	LM21387	C/A	5816	CCF6P15U64	750	460	19.2	92.4	1.0	29.24	10 : 1	C, US
	1200	324US	LM21809	C/A	5815	CCF6P15US64	750	460	——	92.4	1.0	——	10 : 1	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Continued On Next Page

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Automotive Duty Motors

Automotive Duty - U-Frame - Three Phase - 460 Volts

Three Phase - Rigid Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
20	3600	286U	LM21088	√	3704	CCF2P20U64	525	460	23.4	90.2	1.0	28.02	10 : 1	C, US
	1800	286U	LM20029	√	4968	CCF4P20U64	525	460	24.1	93.0	1.0	28.02	10 : 1	C, US
	1200	326U	LM20031	C/A	7106	CCF6P20U64	750	460	25.5	92.4	1.0	30.74	10 : 1	C, US
	1200	326US	LM21812	C/A	7106	CCF6P20US64	750	460	——	92.4	1.0	——	10 : 1	C, US
25	3600	324U	LM21089	C/A	4751	CCF2P25U64	748	460	28.1	93.6	1.0	29.34	10 : 1	C, US
	3600	324US	LM21807	C/A	4751	CCF2P25US64	748	460	28.1	93.6	1.0	26.97	10 : 1	C, US
	1800	324U	LM21386	√	6216	CCF4P25U64	748	460	30.5	92.1	1.0	29.24	10 : 1	C, US
	1800	324US	LM21808	C/A	6216	CCF4P25US64	748	460	——	92.1	1.0	——	10 : 1	C, US
	1200	364U	LM21389	C/A	8579	CCF6P25U64	1160	460	31.0	93.0	1.0	33.00	10 : 1	C, US
	1200	364US	LM21814	C/A	8580	CCF6P25US64	1160	460	——	93.0	1.0	——	10 : 1	C, US
30	3600	326US	LM21810	C/A	5730	CCF2P30US64	748	460	35.0	91.0	1.0	28.47	10 : 1	C, US
	3600	326U	LM21090	C/A	5730	CCF2P30U64	748	460	35.0	91.0	1.0	30.84	10 : 1	C, US
	1800	326U	LM20030	C/A	7262	CCF4P30U64	748	460	36.0	94.1	1.0	30.74	10 : 1	C, US
	1800	326US	LM21811	C/A	7263	CCF4P30US64	748	460	——	94.1	1.0	——	10 : 1	C, US
	1200	365U	LM19531	C/A	9711	CCF6P30U64	1160	460	——	93.0	1.0	33.00	10 : 1	C, US
	1200	365US	LM21816	C/A	9711	CCF6P30US64	1160	460	37.0	93.0	1.0	30.38	10 : 1	C, US
40	3600	364US	LM21091	C/A	7483	CCF2P40US64	908	460	45.0	93.6	1.0	29.38	10 : 1	C, US
	3600	364U	LM21798	C/A	7483	CCF2P40U64	908	460	45.0	93.6	1.0	32.00	10 : 1	C, US
	1800	364U	LM21388	C/A	9575	CCF4P40U64	977	460	47.0	94.1	1.0	32.00	10 : 1	C, US
	1800	364US	LM21813	C/A	9576	CCF4P40US64	977	460	46.5	94.1	1.0	29.38	10 : 1	C, US
	1200	404U	LM21390	C/A	12506	CCF6P40U64	1110	460	48.5	93.6	1.0	35.50	10 : 1	C, US
	1200	404US	LM21817	C/A	12507	CCF6P40US64	1110	460	——	93.6	1.0	——	10 : 1	C, US
50	3600	365US	LM21092	C/A	9441	CCF2P50US64	980	460	56.0	94.1	1.0	30.38	10 : 1	C, US
	3600	365U	LM21799	√	9441	CCF2P50U64	980	460	56.0	94.1	1.0	33.00	10 : 1	C, US
	1800	365U	LM19530	C/A	11235	CCF4P50U64	1063	460	57.0	94.5	1.0	33.00	10 : 1	C, US
	1800	365US	LM21815	C/A	11235	CCF4P50US64	1063	460	57.0	94.5	1.0	30.38	10 : 1	C, US
	1200	405U	LM19533	C/A	14446	CCF6P50U64	1110	460	61.0	94.1	1.0	37.00	10 : 1	C, US
	1200	405US	LM21819	C/A	14446	CCF6P50US64	1110	460	——	94.1	1.0	——	10 : 1	C, US
60	3600	405US	LM19532	C/A	11233	CCF2P60US64	1130	460	66.0	94.1	1.0	34.12	10 : 1	C, US
	3600	405U	LM21800	C/A	11233	CCF2P60U64	1130	460	66.0	94.1	1.0	37.00	10 : 1	C, US
	1800	405U	LM21391	C/A	13947	CCF4P60U64	1110	460	68.0	95.0	1.0	37.00	10 : 1	C, US
	1800	405US	LM21818	C/A	13947	CCF4P60US64	1110	460	67.5	95.0	1.0	34.12	10 : 1	C, US
	1200	444U	LM21393	C/A	16963	CCF6P60U64	1787	460	71.0	94.1	1.0	41.38	10 : 1	C, US
	1200	444US	LM21822	C/A	16963	CCF6P60US64	1787	460	——	94.1	1.0	——	10 : 1	C, US
75	3600	444US	LM21093	C/A	14761	CCF2P75US64	1685	460	84.0	94.1	1.0	38.94	10 : 1	C, US
	3600	444U	LM21801	C/A	14761	CCF2P75U64	1685	460	——	94.1	1.0	——	10 : 1	C, US
	1800	444U	LM21392	C/A	17203	CCF4P75U64	1787	460	85.0	95.0	1.0	41.38	10 : 1	C, US
	1800	444US	LM21821	C/A	17203	CCF4P75US64	1787	460	——	95.0	1.0	——	10 : 1	C, US
	1200	445U	LM19535	C/A	20112	CCF6P75U64	1787	460	90.0	95.0	1.0	43.70	10 : 1	C, US
	1200	445US	LM21824	C/A	20112	CCF6P75US64	1787	460	——	95.0	1.0	——	10 : 1	C, US
100	3600	445US	LM21094	C/A	19507	CCF2P100US64	1685	460	113.0	95.4	1.0	38.94	10 : 1	C, US
	3600	445U	LM21802	C/A	19507	CCF2P100U64	1685	460	——	95.4	1.0	——	10 : 1	C, US
	1800	445U	LM19534	C/A	21386	CCF4P100U64	1787	460	113.0	95.4	1.0	43.47	10 : 1	C, US
	1800	445US	LM21823	C/A	21386	CCF4P100US64	1787	460	——	95.4	1.0	——	10 : 1	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
3/4	1200	182C	LM21828	C/A	1215	CCN6P0.75UC64	120	460	1.3	82.5	1.0	12.96	10 : 1	C, US
	1200	182C	LM23769	C/A	961	CCN6G0.75UC64	108	460	1.3	81.0	1.0	12.96	10 : 1	C, US
1	1800	182C	LM21827	C/A	1149	CCN4P1UC64	120	460	1.5	87.5	1.0	12.96	10 : 1	C, US
	1200	184C	LM21835	C/A	1384	CCN6P1UC64	120	460	1.7	86.5	1.0	13.96	10 : 1	C, US
1 1/2	3600	182C	LM21826	C/A	1062	CCN2P1.5UC64	120	460	2.0	85.5	1.0	12.96	10 : 1	C, US
	1800	184C	LM21833	C/A	1224	CCN4P1.5UC64	120	460	2.1	88.5	1.0	13.96	10 : 1	C, US
	1200	184C	LM21834	C/A	1521	CCN6P1.5UC64	120	460	2.2	87.5	1.0	13.96	10 : 1	C, US
2	3600	184C	LM21831	C/A	1167	CCF2P2UC64	132	460	2.7	85.5	1.0	14.10	10 : 1	C, US
	1800	184C	LM21832	C/A	1286	CCF4P2UC64	132	460	2.6	89.5	1.0	16.22	10 : 1	C, US
	1200	213C	LM21838	C/A	1689	CCF6P2UC64	181	460	3.1	87.5	1.0	18.58	10 : 1	C, US
3	3600	184C	LM21829	√	1394	CCF2P3UC64	132	460	3.8	87.5	1.0	16.22	10 : 1	C, US
	1800	213C	LM21837	C/A	1479	CCF4P3UC64	181	460	4.0	88.5	1.0	18.58	10 : 1	C, US
	1200	215C	LM21841	C/A	2071	CCF6P3UC64	181	460	4.4	89.5	1.0	20.08	10 : 1	C, US
5	3600	213C	LM21836	√	1558	CCF2P5UC64	181	460	6.4	87.5	1.0	18.58	10 : 1	C, US
	1800	215C	LM21840	C/A	1934	CCF4P5UC64	181	460	6.5	89.5	1.0	20.08	10 : 1	C, US
	1200	254UC	LM21844	√	2873	CCF6P5UC64	272	460	6.7	90.2	1.0	23.77	10 : 1	C, US
7 1/2	3600	215C	LM21839	C/A	1874	CCF2P7.5UC64	181	460	9.5	88.5	1.0	20.08	10 : 1	C, US
	1800	254UC	LM21843	C/A	2542	CCF4P7.5UC64	272	460	9.6	91.7	1.0	23.89	10 : 1	C, US
	1200	256UC	LM21847	√	3643	CCF6P7.5UC64	344	460	9.9	91.0	1.0	25.52	10 : 1	C, US
10	3600	254UC	LM21842	C/A	2255	CCF2P10UC64	272	460	12.0	89.5	1.0	23.89	10 : 1	C, US
	1800	256UC	LM21846	√	3061	CCF4P10UC64	272	460	12.5	91.7	1.0	25.64	10 : 1	C, US
	1200	284UC	LM21849	√	4523	CCF6P10UC64	531	460	13.1	91.0	1.0	26.52	10 : 1	C, US
15	3600	256UC	LM21845	√	2840	CCF2P15UC64	272	460	17.5	91.7	1.0	25.22	10 : 1	C, US
	1800	284UC	LM21848	√	4248	CCF4P15UC64	531	460	18.0	92.4	1.0	26.52	10 : 1	C, US
	1200	324UC	LM21854	√	6156	CCF6P15UC64	757	460	19.2	92.4	1.0	32.50	10 : 1	C, US
	1200	324USC	LM21879	C/A	6156	CCF6P15USC64	757	460	——	92.4	1.0	——	10 : 1	C, US
20	3600	286UC	LM21850	C/A	3907	CCF2P20UC64	531	460	23.4	90.2	1.0	28.02	10 : 1	C, US
	1800	286UC	LM21851	√	5170	CCF4P20UC64	531	460	24.1	93.0	1.0	28.02	10 : 1	C, US
	1200	326UC	LM21857	C/A	7447	CCF6P20UC64	757	460	25.5	92.4	1.0	34.00	10 : 1	C, US
	1200	326USC	LM21882	C/A	7447	CCF6P20USC64	757	460	——	92.4	1.0	——	10 : 1	C, US
25	3600	324USC	LM21893	C/A	5094	CCF2P25USC64	755	460	28.1	93.6	1.0	27.22	10 : 1	C, US
	3600	324UC	LM21852	C/A	5847	CCF2P25UC64	755	460	——	93.6	1.0	——	10 : 1	C, US
	1800	324UC	LM21853	C/A	6555	CCF4P25UC64	755	460	——	94.1	1.0	——	10 : 1	C, US
	1800	324USC	LM21878	C/A	6556	CCF4P25USC64	755	460	——	94.1	1.0	——	10 : 1	C, US
	1200	364UC	LM21860	C/A	9123	CCF6P25UC64	1169	460	——	93.0	1.0	——	10 : 1	C, US
	1200	364USC	LM21885	C/A	9125	CCF6P25USC64	1169	460	——	93.0	1.0	——	10 : 1	C, US
30	3600	326USC	LM21880	C/A	6071	CCF2P30USC64	755	460	35.0	91.0	1.0	28.72	10 : 1	C, US
	3600	326UC	LM21855	C/A	6071	CCF2P30UC64	755	460	——	91.0	1.0	——	10 : 1	C, US
	1800	326UC	LM21856	C/A	7600	CCF4P30UC64	755	460	——	94.1	1.0	——	10 : 1	C, US
	1800	326USC	LM21881	C/A	7600	CCF4P30USC64	755	460	——	94.1	1.0	——	10 : 1	C, US
	1200	365UC	LM21863	C/A	10254	CCF6P30UC64	1169	460	——	93.0	1.0	——	10 : 1	C, US
	1200	365USC	LM21888	C/A	10254	CCF6P30USC64	1169	460	——	93.0	1.0	——	10 : 1	C, US

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Continued On Next Page

View On-line Technical Information

Automotive Duty Motors

Automotive Duty - U-Frame - Three Phase - 460 Volts

C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
40	3600	364USC	LM21883	C/A	8029	CCF2P40USC64	917	460	45.0	93.6	1.0	29.38	10 : 1	C, US
	3600	364UC	LM21858	C/A	8028	CCF2P40UC64	917	460	——	93.6	1.0	——	10 : 1	C, US
	1800	364UC	LM21859	C/A	10121	CCF4P40UC64	986	460	46.5	94.1	1.0	32.00	10 : 1	C, US
	1800	364USC	LM21884	C/A	10121	CCF4P40USC64	986	460	——	94.1	1.0	——	10 : 1	C, US
	1200	404UC	LM21864	C/A	13157	CCF6P40UC64	1123	460	48.5	93.6	1.0	35.50	10 : 1	C, US
	1200	404USC	LM21889	C/A	13156	CCF6P40USC64	1123	460	——	93.6	1.0	——	10 : 1	C, US
50	3600	365USC	LM21886	C/A	9988	CCF2P50USC64	989	460	——	94.1	1.0	——	10 : 1	C, US
	3600	365UC	LM21861	C/A	9988	CCF2P50UC64	989	460	——	94.1	1.0	——	10 : 1	C, US
	1800	365UC	LM21862	C/A	11781	CCF4P50UC64	1072	460	57.0	94.5	1.0	33.00	10 : 1	C, US
	1800	365USC	LM21887	C/A	11779	CCF4P50USC64	1072	460	——	94.5	1.0	——	10 : 1	C, US
	1200	405UC	LM21867	C/A	15094	CCF6P50UC64	1123	460	60.0	94.1	1.0	37.00	10 : 1	C, US
	1200	405USC	LM21892	C/A	15094	CCF6P50USC64	1123	460	60.0	94.1	1.0	34.12	10 : 1	C, US
60	3600	405USC	LM21890	C/A	11879	CCF2P60USC64	1143	460	65.5	94.1	1.0	34.12	10 : 1	C, US
	3600	405UC	LM21865	C/A	11880	CCF2P60UC64	1143	460	——	94.1	1.0	——	10 : 1	C, US
	1800	405UC	LM21866	C/A	14597	CCF4P60UC64	1123	460	67.5	95.0	1.0	37.00	10 : 1	C, US
	1800	405USC	LM21891	C/A	14597	CCF4P60USC64	1123	460	68.0	95.0	1.0	34.12	10 : 1	C, US
	1200	444UC	LM21870	C/A	17764	CCF6P60UC64	1810	460	71.0	94.1	1.0	41.38	10 : 1	C, US
	1200	444USC	LM21895	C/A	17765	CCF6P60USC64	1810	460	——	94.1	1.0	——	10 : 1	C, US
75	3600	444USC	LM21877	C/A	15564	CCF2P75USC64	1708	460	82.0	94.1	1.0	37.00	10 : 1	C, US
	3600	444UC	LM21868	C/A	15563	CCF2P75UC64	1708	460	——	94.1	1.0	——	10 : 1	C, US
	1800	444UC	LM21869	C/A	18005	CCF4P75UC64	1810	460	85.0	95.0	1.0	41.38	10 : 1	C, US
	1800	444USC	LM21894	C/A	18005	CCF4P75USC64	1810	460	——	95.0	1.0	——	10 : 1	C, US
	1200	445UC	LM21873	C/A	20915	CCF6P75UC64	1810	460	——	95.0	1.0	——	10 : 1	C, US
	1200	445USC	LM21898	C/A	20915	CCF6P75USC64	1810	460	——	95.0	1.0	——	10 : 1	C, US
100	3600	445USC	LM21896	C/A	20309	CCF2P100USC64	1708	460	——	95.4	1.0	——	10 : 1	C, US
	3600	445UC	LM21871	C/A	20309	CCF2P100UC64	1708	460	——	95.4	1.0	——	10 : 1	C, US
	1800	445UC	LM21872	C/A	22186	CCF4P100UC64	1810	460	——	95.4	1.0	——	10 : 1	C, US
	1800	445USC	LM21897	C/A	22186	CCF4P100USC64	1810	460	113.0	95.4	1.0	38.94	10 : 1	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Automotive Duty - U-Frame - Three Phase - 460 Volts

C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1	1800	182C	LM23781	√	1149	CCN4P1UCN64	108	460	1.5	87.5	1.0	12.96	10 : 1	C, US
	1200	184C	LM24037	C/A	1384	CCN6P1UCN64	112	460	1.7	86.5	1.0	13.96	10 : 1	C, US
1 1/2	1800	184C	LM23783	C/A	1224	CCN4P1.5UCN64	120	460	2.1	88.5	1.0	13.96	10 : 1	C, US
2	3600	184C	LM25496	C/A	1167	CCF2P2UCN64	132	460	2.7	85.5	1.0	16.22	10 : 1	C, US
	1800	184C	LM23782	√	1286	CCF4P2UCN64	132	460	2.6	89.5	1.0	16.22	10 : 1	C, US
3	1800	213C	LM23854	C/A	1700	CCF4P3UCN64	175	460	4.0	88.5	1.0	18.58	10 : 1	C, US
	1200	215C	LM25667	√	2071	CCF6P3UCN64	181	460	4.4	89.5	1.0	20.08	10 : 1	C, US
5	3600	213C	LM25203	C/A	1558	CCF2P5UCN64	181	460	6.4	87.5	1.0	18.58	10 : 1	C, US
	1800	215C	LM24072	√	2109	CCF4P5UCN64	181	460	6.5	89.5	1.0	18.58	10 : 1	C, US
7 1/2	1800	254UC	LM23784	C/A	2542	CCF4P7.5UCN64	385	460	9.6	91.7	1.0	23.94	10 : 1	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Automotive Duty Motors

Pump Motors

Washguard Motors

Agricultural Motors

HVAC / Fan Motors

Special Voltage Motors

Definite Purpose Motors

Brake Motors

IEC Motors

View On-line Technical Information

Pump Motors



- Jet pump, JM & JP pump, carbonator pump and fire pump motors
- Washdown duty pump motors available
- Explosion proof jet pump motors available
- Three phase and single phase models
- 1.15 service factor or better
- Jet pump motors have quick connect terminal boards
- Drip-proof and totally enclosed designs
- Drip-cover kits available on drip-proof designs
- Steel frame and cast iron frame designs
- Threaded jet pump motors have stainless steel shafts
- Jet pump single phase motors have automatic overload protection
- 1-year warranty on standard motors and 2-year warranty on "G" models
- UL recognized and CSA certified

Applications:

Designed for various applications that you may find in the pumping industry where direct coupled motor to pump is required.

Pump Motors

Jet Pump Motors - Single Phase

General Specifications:

- NEMA 56 C face mounting flange
- Keyed shafts made of carbon steel
- Threaded shafts made of 416 grade stainless steel
- Dual rotation
- Quiet flow-through ventilation system
- Double sealed bearings on shaft end
- Terminal board with quick connects
- Locked shaft-end bearings
- Automatic overload protection
- UL recognized and CSA certified

Keyed Shaft - Drip-Proof - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56C	100204.00	√	325	A4C34DC4	19	115/208-230	Auto.	3.4	1.6	9.49	S, MX, 30
3/4	3600	S56C	100205.00	√	429	A4C34DC5	21	115/208-230	Auto.	5.1	1.5	9.99	S, MX, 30
1	3600	S56C	100722.00	√	463	A4C34DC21	24	115/208-230	Auto.	5.7	1.4	10.49	S, MX, 30
11/2	3600	56C	110288.00	√	608	U6C34DC18	31	115/208-230	Auto.	9.0	1.3	11.34	S, MX, 30
2	3600	56C	110289.00	√	784	U6C34DC19	37	115/208-230	Auto.	10.5	1.25	12.34	S, MX, 30
3	3600	56C	117715.00	√	801	U6K34DC19	49	230	Auto.	12.8	1.15	13.55	S, US, 30, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Drip-Proof - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56J	100207.00	√	313	A4C34DC7	19	115/208-230	Auto.	3.4	1.6	10	S, MX, 30
3/4	3600	S56J	100208.00	√	408	A4C34DC8	21	115/208-230	Auto.	5.1	1.5	10.5	S, MX, 30
1	3600	S56J	100723.00	√	428	A4C34DC22	23	115/208-230	Auto.	5.7	1.4	11	S, MX, 30
1 1/2	3600	56J	110292.00	√	594	U6C34DC21	31	115/208-230	Auto.	9.0	1.3	11.34	S, MX, 30
2	3600	56J	110293.00	√	734	U6C34DC22	37	115/208-230	Auto.	10.5	1.25	12.34	S, MX, 30
3	3600	56J	117716.00	√	757	U6K34DC20	51	230	Auto.	12.8	1.15	14.15	S, US, 30, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

Jet Pump Motors - Single Phase

Threaded Shaft - Totally Enclosed - Single Phase • C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	113955.00	√	368	A6C34FC44	22	115/208-230	Auto.	3.8	1.6	11.31	S, MX, 30
3/4	3600	56J	113956.00	√	438	A6C34FC45	26	115/208-230	Auto.	5.0	1.5	11.81	S, MX, 30
1	3600	56J	113639.00	√	533	A6C34FC41	30	115/208-230	Auto.	6.0	1.25	12.31	S, MX, 30
1 1/2	3600	56J	113640.00	√	634	A6C34FC42	34	115/208-230	Auto.	8.5	1.0	12.81	S, MX, 30
2	3600	56J	113641.00	√	750	U6C34FC34	41	115/208-230	Auto.	10.0	1.0	13.81	S, MX, 30

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Totally Enclosed - Single Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	113637.00	√	423	A6C34FK49	23	115/208-230	Auto.	3.8	1.6	11.31	S, MX, 30
3/4	3600	56J	113638.00	√	451	A6C34FK50	26	115/208-230	Auto.	5.0	1.5	11.81	S, MX, 30
1	3600	56J	113957.00	√	547	A6C34FK53	28	115/208-230	Auto.	6.0	1.25	12.31	S, MX, 30
1 1/2	3600	56J	113958.00	√	650	A6C34FK54	34	115/208-230	Auto.	8.5	1.0	12.81	S, MX, 30
2	3600	56J	113959.00	√	766	U6C34FK55	43	115/208-230	Auto.	10.0	1.0	13.81	S, MX, 30

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Explosion Proof - Totally Enclosed - Single Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	116188.00	√	752	A6C34XC31	35	115/208-230	Auto.	3.8	——	13.96	S, US
3/4	3600	56J	116186.00	√	847	A6C34XC32	40	115/208-230	Auto.	5.0	——	14.46	S, US
1	3600	56J	116185.00	√	909	A6C34XC33	49	115/208-230	Auto.	6.0	1.0	14.96	S, US
1 1/2	3600	56J	116183.00	√	1164	A6C34XC34	52	115/208-230	Auto.	8.5	——	15.46	S, US
2	3600	56J	116181.00	√	1267	A6C34XC35	54	115/208-230	Auto.	10.5	1.0	16.46	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Drip-Cover Kits

Each kit includes one drip-cover, designed to protect motors from rain, snow and ice when mounted outdoors in a vertical position.

Drip Cover Kits For Jet Pump Motors

Frame	Catalog Number	App. Wgt. (lbs)	List Price	♥Notes
48-S56	175003.00	2	52	
48-S56	175298.00	2	52	36
56 / 143T-145T	175004.00	2	59	

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Jet Pump Motors - Three Phase

General Specifications:

- NEMA 56 C face mounting flange
- Keyed shafts made of carbon steel
- Threaded shafts made of 416 grade stainless steel
- Dual rotation
- Quiet flow-through ventilation system
- Doubled sealed bearings on shaft end
- Terminal board with quick connects
- Locked shaft end bearings
- Automatic overload protection on explosion proof Jet Pump motors
- UL recognized and CSA certified

Threaded Shaft - Drip-Proof - Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	S56J	102197.00	√	326	C4T34DC25	15	208-230/460	1.4	68.0	1.35	9.94	S, US
1/2	3600	S56J	102198.00	√	343	C4T34DC26	17	208-230/460	1.8	69.0	1.25	9.94	S, US
3/4	3600	S56J	101637.00	√	413	C4T34DC20	18	208-230/460	2.4	79.0	1.15	10.44	S, US
1	3600	S56J	101638.00	√	459	C4T34DC21	25	208-230/460	3.0	78.0	1.15	11.44	S, US
1 1/2	3600	56J	113891.00	√	549	C6T34DC64	28	208-230/460	4.2	81.5	1.15	11.34	S, US
2	3600	56J	113892.00	√	652	C6T34DC65	33	208-230/460	5.6	82.5	1.15	11.84	S, US
3	3600	56J	113893.00	√	770	C6T34DC66	36	208-230/460	7.6	84.0	1.15	12.34	S, US
5	3600	56J	116698.00	√	845	C6T34DC92	45	208-230/460	12.4	85.5	1.15	13.88	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Drip-Proof - Three Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	S56J	102199.00	√	359	C4T34DK8	17	208-230/460	1.8	69.0	1.25	9.94	S, US
3/4	3600	S56J	101776.00	√	413	C4T34DK5	18	208-230/460	2.4	79.0	1.15	10.44	S, US
1	3600	S56J	101775.00	√	462	C4T34DK6	26	208-230/460	3.0	78.0	1.15	11.44	S, US
1 1/2	3600	56J	114203.00	√	562	C6T34DK5	33	208-230/460	4.2	81.5	1.15	11.34	S, US
2	3600	56J	114202.00	√	671	C6T34DK6	35	208-230/460	5.6	82.5	1.15	11.84	S, US
3	3600	56HJ	114201.00	√	791	C6T34DK7	35	208-230/460	8.0	84.0	1.15	11.84	S, US
5	3600	56HJ	116699.00	√	868	C6T34DK18	47	208-230/460	12.4	85.5	1.15	13.88	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

Jet Pump Motors - Three Phase

Threaded Shaft - Totally Enclosed - Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	114931.00	√	388	C6T34FC49	21	208-230/460	2.0	67.0	1.15	10.81	S, US
3/4	3600	56J	114208.00	√	429	C6T34FC37	22	208-230/460	2.4	75.5	1.15	11.31	S, US
1	3600	56J	114207.00	√	510	C6T34FC38	25	208-230/460	3.2	77.0	1.15	11.31	S, US
1 1/2	3600	56J	114206.00	√	530	C6T34FC39	31	208-230/460	4.2	81.5	1.15	12.31	S, US
2	3600	56J	114205.00	√	672	C6T34FC40	40	208-230/460	5.6	82.5	1.15	12.81	S, US
3	3600	56J	114204.00	√	727	C6T34FC41	52	208-230/460	7.6	84.0	1.15	13.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Totally Enclosed - Three Phase - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	113028.00	√	515	C6T34FK34	23	208-230/460	2.4	75.5	1.15	11.31	S, US
1	3600	56J	113029.00	√	526	C6T34FK35	24	208-230/460	3.2	77.0	1.15	11.31	S, US
1 1/2	3600	56J	113030.00	√	542	C6T34FK36	31	208-230/460	4.2	81.5	1.15	12.31	S, US
2	3600	56J	113031.00	√	679	C6T34FK37	36	208-230/460	5.6	82.5	1.15	12.81	S, US
3	3600	56HJ	113032.00	√	741	C6T34FK38	39	208-230/460	7.6	84.0	1.15	13.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Threaded Shaft - Explosion Proof - TEFC/TENV Three Phase - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56J	116187.00	√	929	A6T34EC28	33	208-230/460	1.6	82.5	1.0	12.87	S, US, 12, 47
1	3600	56J	116184.00	√	1000	A6T34XC31	33	208-230/460	3.6	77.0	1.0	13.46	S, US, 12
1 1/2	3600	56J	116182.00	√	1025	A6T34XC30	48	208-230/460	4.6	81.5	1.0	14.46	S, US, 12
2	3600	56J	116180.00	√	1071	A6T34XC29	50	208-230/460	6.0	82.5	1.0	14.96	S, US, 12

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Washdown duty three phase jet pump motors for industrial service. These motors include all of the features of LEESON's White Duck Washguard motors with the addition of a 56J threaded shaft for use on jet pumps. For demanding pump applications in wet, humid, or washdown environments.

Washguard - Jet Pump - Threaded Shaft
Three Phase - Totally Enclosed - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	116774.00	√	672	C6T34WC14	23	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	116775.00	√	781	C6T34WC15	35	208-230/460	3.2	77.0	1.15	10.81	S, US
11⁄2	3600	56J	116776.00	√	831	C6T34WC13	42	208-230/460	4.2	81.5	1.15	11.81	S, US
2	3600	56J	116777.00	√	950	C6T34WC11	47	208-230/460	5.6	82.5	1.15	12.31	S, US
3	3600	56J	116778.00	√	997	C6T34WC10	49	208-230/460	7.6	84.0	1.15	13.25	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Washguard - Jet Pump - Threaded Shaft
Three Phase - Totally Enclosed - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	116779.00	√	690	C6T34WK12	24	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	116780.00	√	801	C6T34WK13	36	208-230/460	3.2	77.0	1.15	10.81	S, US
11⁄2	3600	56J	116781.00	√	869	C6T34WK11	43	208-230/460	4.2	81.5	1.15	11.81	S, US
2	3600	56J	116782.00	√	966	C6T34WK10	48	208-230/460	5.6	82.5	1.15	12.31	S, US
3	3600	56J	116783.00	√	1029	C6T34WK9	50	208-230/460	7.6	84.0	1.15	13.25	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Automotive Duty Motors

Pump Motors

Washguard Motors

Agricultural Duty Motors

HVAC / Fan Motors

Special Voltage Motors

Definite Purpose Motors

Brake Motors

IEC Motors

Pump Motors

Carbonator Pump Motors

Application information:

Used in liquid transfer pumps that you may see in vending machines ideal for compact pump to motor mount applications.

Features:

- Interchangeable with OEM units
- Automatic overload protection
- Ball bearing designs

Single Phase - Drip-Proof - Rigid or Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	103520.00	√	192	A4S17DR62	14	208-240	2.3-2.4	1.0	7.69	S, MX, 63
	1800	48Y	103530.00	√	202	A4S17DR63	16	115/230	4.3-2.2	1.0	8.75	S, MX, 63
1/3	1800	48Y	103521.00	√	205	A4S17DR64	14	100-120/200-240	5.5-5.6/2.7-2.8	1.0	7.69	S, MX, 60
	1800	48Y	103531.00	√	210	A4S17DR65	14	100-120/200-240	5.5-5.6/2.7-2.8	1.0	7.69	S, MX, 63
1/2	1800	48Y	103522.00	√	230	A4S17DR66	17	100-120/200-240	7.1-7.2/3.4-3.6	1.0	8.75	S, MX, 63
3/4	1800	48Y	103523.00	√	275	A4S17DR67	19	115/230	10.4/5.2	1.0	9.15	S, MX, 63

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

JP Pump Motors - Single & Three Phase

General Specifications:

For use with close-coupled pumps having NEMA JP mounting and shaft dimensions. In such applications, the pump impeller is mounted directly on the motor shaft.

For use where the environment is relatively clean and dry. For outdoor use, an enclosure or drip cover may be preferred.

Features:

- Open drip-proof construction with rigid base mounting.
- Locked bearing on shaft end limits axial shaft movement
- Drip cover kits available
- UL recognized and CSA certified
- Single phase designs are capacitor start, induction run
- All 180 and 210 frame rolled steel motors have class F insulation

Single Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
5	3600	184JP	131881.00	√	1390	C184K34DK6	95	230	None	22.0	1.15	19.38	S, MX
7 1/2	3600	213JP	140646.00	√	1651	C213K34DK1	121	230	None	37.0	1.15	14.17	S, MX, 37
10	3600	215JP	140647.00	√	2227	C215K34DK1	138	230	None	47.0	1.15	15.67	S, MX, 37

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase • Drip-Proof • Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	145JP	G121846.00	√	545	C145T17DK16	38	208-230/460	4.4	84.0	1.15	17.68	S, US, 39
2	1800	145JP	G121847.00	√	568	C145T17DK17	46	208-230/460	5.8	84.0	1.15	18.48	S, US, 39
3	3600	145JP	G121849.00	√	715	C145T34DK12	46	208-230/460	8.4	84.0	1.15	16.68	S, US, 39
	1800	182JP	G131882.00	√	743	C182T17DK20A	58	208-230/460	9.2	86.5	1.15	19.91	S, MX, 14, 45
5	3600	182JP	G131884.00	√	858	C182T34DK13A	65	208-230/460	12.0	85.5	1.15	19.65	S, MX, 45
	1800	182JP	G131883.00	√	853	C184T17DK29A	70	208-230/460	13.2	87.5	1.15	20.41	S, MX, 45
7 1/2	3600	184JP	G131885.00	√	1028	C184T34DK19A	80	208-230/460	17.6	87.5	1.15	20.41	S, MX, 45
	1800	213JP	G140667.00	√	1404	C213T17DK14	146	208-230/460	19.2	88.5	1.15	23.03	S, MX, 41
10	3600	213JP	G140655.00	√	1322	C213T34DK2	140	208-230/460	23.4	88.5	1.15	23.03	S, US, 37
	1800	215JP	G140668.00	√	1604	C215T17DK12	134	208-230/460	25.0	89.5	1.15	25.00	S, MX, 41
15	3600	215JP	G140656.00	√	1635	C215T34DK2	147	208-230/460	34.0	89.5	1.15	34.00	S, US, 37
	1800	254JP	G801051.00	√	1983	254TTDX14067	170	208-230/460	38.5	91.0	1.15	38.50	S, MX
20	3600	254JP	G801056.00	√	2060	254TTDX14305	175	208-230/460	46.0	90.2	1.15	25.29	S, US
	1800	256JP	G801052.00	√	2396	256TTDX14054	222	208-230/460	52.0	91.0	1.15	52.00	S, MX
25	3600	256JP	G801057.00	√	2427	256TTDX14019	181	208-230/460	58.0	91.0	1.15	27.04	S, US
	1800	284JP	G801053.00	√	3222	284TTDP14048	332	230/460	61.0	91.7	1.15	27.18	C, US
30	3600	284JP	G801058.00	√	3234	284TTDP14012	336	230/460	73.0	91.0	1.15	27.18	C, US
	1800	286JP	G801054.00	√	3344	286TTDP14052	342	230/460	72.0	92.4	1.15	28.68	C, US
40	3600	286JP	G801059.00	√	3564	286TTDP14012	385	230/460	94.0	91.7	1.15	28.68	C, US
	1800	324JP	G801055.00	√	3598	324TTDP14052	487	230/460	97	93.0	1.15	29.12	C, US
50	3600	324JP	G801060.00	√	4735	324TTDP14014	472	230/460	117.0	92.4	1.15	29.12	C, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Drip-Cover Kits For JP Pump Motors

– See ♥ Note listing

Frame	Catalog Number	List Price	Enclosure
56-145JP	175932.00	32	ODP or TEFC
182JP-184JP	175933.00	36	ODP
213JP-215JP	175305.00	106	ODP
213JP-215JP	175846.00	106	ODP
182JP-184JP	175614.00	75	ODP

View On-line Technical Information

Pump Motors

JM Pump Motors - Single & Three Phase

General Specifications:
Designed for continuous duty service on close-coupled pumps using NEMA JM mounting provisions. All motors have a rigid mounting base and NEMA JM pump shaft.

Features:
- Cooling air exhausts at shaft end for maximum cooling
- Locked bearing shaft end
- Drip-cover kits available

Electrical Features:
- High efficiency copper windings
- UL and CSA recognized designs
- Single phase designs are capacitor start/induction run unless indicated otherwise
- Class F Insulation

Single Phase - Drip-Proof - Rigid or Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	120996.00	√	801	C143C17DK1	42	115/208-230	None	6.4	1.15	13.91	S, US, 38, 53
1 1/2	1800	145JM	120994.00	√	807	C145K17DK8	45	115/208-230	None	8.6	1.15	14.91	S, US, 38, 53
2	3600	145JM	121190.00	√	826	C145C34DK3	47	115/208-230	None	10.5	1.15	14.91	S, US, 38, 53
	1800	145JM	120995.00	√	809	C145K17DK9	45	115/208-230	None	10.5	1.15	15.41	S, US, 38, 53
	1800	182JM	132073.00	√	845	C182C17DK3	70	115/208-230	None	12.4	1.15	13.19	S, MX, 40
3	3600	182JM	131640.00	√	978	C182K34DK1	80	115/208-230	None	15.2	1.15	16.32	S, MX, 40, 53
	1800	182JM	131604.00	√	1124	C182C17DK2	73	230	None	16.8	1.15	15.82	S, MX, 40
5	3600	184JM	131641.00	√	1390	C184K34DK3	95	115/208-230	None	24.0	1.15	17.32	S, MX, 40, 53
	1800	184JM	131605.00	√	1597	C184K17DK14	82	230	None	21.0	1.15	16.32	S, MX, 40, 53
7 1/2	3600	213JM	140642.00	√	1977	C213K34DK2	109	230	None	37.0	1.15	14.17	S, MX, 37, 53
	1800	215JM	140665.00	√	2106	C215K17DK1	141	230	None	40.5	1.15	18.38	S, MX, 37, 53
10	3600	215JM	140644.00	√	2227	C215K34DK2	135	230	None	47.0	1.15	18.38	S, MX, 37, 53
	1800	215JM	140666.00	√	2606	C215K17DK2A	144	230	None	43.0	1.15	19.88	S, MX, 37, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

JM Pump Motors - Single & Three Phase

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	G121850.00	√	556	C143T17DK3	44	208-230/460	3.1	82.5	1.15	14.62	S, WP, 39
1 1/2	1800	145JM	G121851.00	√	602	C145T17DK18	44	208-230/460	4.8	84.0	1.15	14.62	S, WP, 39
2	3600	145JM	G121853.00	√	696	C145T34DK13	44	208-230/460	5.4	84.0	1.15	13.42	S, WP, 39
	1800	145JM	G121852.00	√	625	C145T17DK19	48	208-230/460	5.8	84.0	1.15	15.12	S, WP, 39
3	3600	145JM	G121854.00	√	771	C145T34DK14	45	208-230/460	8.4	84.0	1.15	13.62	S, WP, 39
	1800	182JM	G131562.00	√	825	C182T17DK19	64	208-230/460	9.2	86.5	1.15	16.09	S, MX, 45
5	3600	182JM	G131574.00	√	1016	C182T34DK12	66	208-230/460	12.0	85.5	1.15	16.35	S, MX, 45
	1800	184JM	G131563.00	√	951	C184T17DK28	71	208-230/460	13.2	87.5	1.15	17.09	S, MX, 45
7 1/2	3600	184JM	G131576.00	√	1116	C184T34DK18	108	208-230/460	17.6	87.5	1.15	17.09	S, MX, 45
	1800	213JM	G140618.00	√	1187	C213T17DK13	147	208-230/460	19.2	88.5	1.15	19.16	S, MX, 41
10	3600	213JM	G141121.00	√	1319	C213T34DK5	130	208-230/460	23.4	88.5	1.15	19.16	S, MX, 37
	1800	215JM	G140619.00	√	1357	C215T17DK11	135	208-230/460	25.0	89.5	1.15	19.16	S, MX, 41
15	3600	215JM	G151380.60	√	1891	C215T34DK9	175	208-230/460	34.0	89.5	1.15	20.41	C, CN, 43
	1800	254JM	G151361.60	√	2040	C254T17DK7	268	208-230/460	38.5	91.0	1.15	25.45	C, CN, 44
20	3600	254JM	G151381.60	√	2057	C254T34DK5	261	208-230/460	46.0	90.2	1.15	22.42	C, CN, 44
	1800	256JM	G151362.60	√	2148	C256T17DK5	310	208-230/460	52.0	91.0	1.15	24.17	C, CN, 44
25	3600	256JM	G151382.60	√	2572	C256T34DK5	295	208-230/460	58.0	91.0	1.15	24.17	C, CN, 44
	1800	284JM	G801028.00	√	3188	284TTDP14049	391	230/460	66.0	91.7	1.15	24.31	C, US
30	3600	284JM	G801040.00	√	3225	284TTDP14013	376	230/460	73.0	91.0	1.15	24.31	C, US
	1800	286JM	G801029.00	√	3344	286TTDP14053	437	230/460	72.0	92.4	1.15	25.81	C, US
40	3600	286JM	G801041.00	√	3702	286TTDP14011	429	230/460	94.0	91.7	1.15	25.81	C, US
	1800	324JM	G801030.00	√	4368	324TTDP14055	531	230/460	97.0	93.0	1.15	26.25	C, US
50	3600	324JM	G801042.00	√	5031	324TTDP14013	514	230/460	117.0	92.4	1.15	26.25	C, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Drip-Cover Kits For JM Pump Motors – See ♥ Note listing

Frame	Catalog Number	List Price	Enclosure
143-145JM	175004.00	59	ODP
143-145JM	175932.00	32	ODP or TEFC
182-184JM	175933.00	36	ODP
182-184JM	175695.00	179	TEFC
213-215JM	175305.00	106	ODP
213-215JM	175846.00	106	ODP
213-215JM	175849.00	106	TEFC
213-215JM	175962.00‡	106	ODP
254-256JM	175963.00‡	135	ODP
182-184JM	175614.00	75	ODP

‡ For use with Cast Iron Motors

View On-line Technical Information

LEESON®

Pump Motors

JM Pump Motors - TEFC - Three Phase

General Specifications:

Designed for continuous duty service on close-coupled pumps using NEMA JM mounting provisions. All motors have a rigid mounting base and NEMA JM pump shaft.

Features:

- Totally enclosed fan cooled construction for maximum life in dirty or severe environments. Oversized locked bearing on shaft end limits axial shaft movement. Drip covers are available as accessory kits for 143-5JM and 182-4JM motors—see letter designations in the table for the correct kit. Some 182-4JM frame motors have enclosed endshields as standard with frame vents meeting the 12° drip-proof requirement. No drip cover is needed, or shown in the table, for these motors
- Totally enclosed designs for use in dirty or severe environments
- Oversized locked bearing on shaft end limits axial shaft movement
- Drip cover kits available
- High efficiency copper windings
- UL and CSA recognized designs

Single Phase - Drip-Proof - Rigid or Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	G121855.00	√	618	C143T17FK19	35	208-230/460	3.0	82.5	1.15	15.00	S, MX
1 1/2	3600	143JM	G121858.00	√	623	C143T34FK14	37	208-230/460	4.0	82.5	1.15	15.00	S, US
	1800	145JM	G121856.00	√	676	C145T17FK53	46	208-230/460	4.4	84.0	1.15	16.50	S, US
2	3600	145JM	G121859.00	√	765	C145T34FK37	38	208-230/460	5.2	84.0	1.15	15.50	S, US
	1800	145JM	G121857.00	√	672	C145T17FK54	50	208-230/460	5.6	84.0	1.15	16.00	S, US
3	3600	145JM	G121860.00	√	811	C145T34FK38	49	208-230/460	7.4	85.5	1.15	17.35	S, US
	1800	182JM	G131579.00	√	823	C182T17FK26	75	230/460	8.4	87.5	1.15	17.85	S, MX
5	3600	184JM	G131580.00	√	1101	C184T34FK39	82	208-230/460	12.4	87.5	1.15	18.35	S, MX
	1800	184JM	G131581.00	√	1071	C184T17FK33	97	230/460	12.6	87.5	1.15	18.85	S, MX
7 1/2	3600	184JM	G131582.00	√	1221	C184T34FK40	104	208-230/460	18.4	88.5	1.15	22.09	S, MX
	3600	S213JM	G132027.00	√	1348	C184T34FK41	121	208-230/460	18.4	88.5	1.15	22.09	S, MX
	1800	215JM	G140622.00	√	1423	C213T17FK23	127	208-230/460	20.0	89.5	1.15	20.59	S, MX
10	3600	213JM	G141122.00	√	1630	C213T34FK2	130	208-230/460	24.0	89.5	1.15	22.09	S, MX
	1800	215JM	G140623.00	√	1755	C215T17FK18	145	208-230/460	25.6	90.2	1.15	22.09	S, MX
15	3600	215JM	G140764.00	√	1955	C215T34FK10	139	208-230/460	35.0	90.2	1.15	24.74	S, MX
	3600	254JM	G151567.60	√	2281	C254T34FK11	171	208-230/460	35.0	90.2	1.15	24.80	C, CN
	1800	254JM	G151568.60	√	2219	A254T17FK12	287	208-230/460	37.0	91.0	1.15	24.80	C, CN
20	3600	254JM	G151569.60	√	2489	C254T34FK12	299	208-230/460	46.2	90.2	1.15	24.80	C, CN
	1800	254JM	G151570.60	√	2692	C256T17FK5	324	208-230/460	48.2	91.0	1.15	26.50	C, CN
25	3600	256JM	G151417.60	√	3082	C256T34FK8	311	208-230/460	56.4	91.0	1.15	28.00	C, CN
	1800	284JM	G151418.60	√	3030	C284T17FK6	373	208-230/460	58.8	92.4	1.15	28.17	C, CN
30	3600	284JM	G151420.60	√	3656	C284T34FK12	378	208-230/460	69.2	91.0	1.15	28.17	C, CN
	1800	286JM	G151422.60	√	3597	C286T17FK11	431	208-230/460	69.8	92.4	1.15	29.74	C, CN
40	3600	286JM	G151424.60	√	4557	C286T34FK16	499	208-230/460	93.0	91.7	1.15	29.74	C, CN
	1800	324JM	G151426.60	√	4413	C324T17FK12	531	208-230/460	90.0	93.0	1.15	32.33	C, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

JP Pump Motors - TEFC - Three Phase

General Specifications:

For use with close-coupled pumps having NEMA JP mounting and shaft dimensions. Used in applications where the pump impeller is mounted directly on the motor shaft. Designed for continuous duty service.

Features:

- 1.25 Service Factor
- All cast iron construction
- EPACT efficient
- Re-greasable bearings
- UL recognized and CSA certified
- Class F Insulation

TEFC JP Pump Motors - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	145JP	G151736.60	√	571	C145T17FK60	54	208-230/460	4.5	85.5	1.15	18.66	C, CN
2	1800	145JP	G151737.60	√	589	C145T17FK61	57	208-230/460	5.8	85.5	1.15	18.66	C, CN
3	3600	182JP	G151738.60	√	1071	C182T34FK12	91	208-230/460	7.4	85.5	1.15	20.71	C, CN
	1800	182JP	G151739.60	√	982	C182T17FK24	95	208-230/460	8.5	87.5	1.15	20.71	C, CN
5	3600	184JP	G151740.60	√	1099	C184T34FK35	103	208-230/460	12.0	87.5	1.15	20.71	C, CN
	1800	184JP	G151741.60	√	1086	C184T17FK31	103	208-230/460	13.8	87.5	1.15	20.71	C, CN
7 1/2	3600	184JP	G151742.60	√	1322	C184T34FK38	156	208-230/460	17.8	88.5	1.15	20.71	C, CN
	1800	213JP	G151743.60	√	1242	C213T17FK17	158	208-230/460	19.2	89.5	1.15	24.02	C, CN
10	3600	213JP	G151744.60	√	1541	C213T34FK4A	166	208-230/460	23.6	89.5	1.15	24.02	C, CN
	1800	215JP	G151745.60	√	1499	C215T17FK13	179	208-230/460	25.2	89.5	1.15	25.74	C, CN
15	3600	215JP	G151746.60	√	2159	C215T34FK14	249	208-230/460	35.0	90.2	1.15	25.74	C, CN
	1800	254JP	G151747.60	√	2292	C254T17FK10	281	208-230/460	37.0	92.4	1.15	28.03	C, CN
20	3600	254JP	G151748.60	√	2860	C254T34FK10	260	208-230/460	46.2	90.2	1.15	28.03	C, CN
	1800	256JP	G151749.60	√	2709	C256T17FK10	324	208-230/460	48.2	91.0	1.15	29.76	C, CN
25	3600	256JP	G151750.60	√	3412	C256T34FK7	366	208-230/460	58.2	91.0	1.15	29.76	C, CN
	1800	284JP	G151751.60	√	3426	C284T17FK8	391	208-230/460	58.8	92.4	1.15	30.04	C, CN
30	3600	284JP	G151752.60	√	3715	C286T34FK7	380	208-230/460	69.2	91.0	1.15	30.04	C, CN
	1800	286JP	G151753.60	√	3599	C286T17FK7	438	208-230/460	69.8	92.4	1.15	31.61	C, CN
40	3600	286JP	G151754.60	√	4700	C324T34FK9	580	208-230/460	93.0	91.7	1.15	31.61	C, CN
	1800	324JP	G151755.60	√	4479	C324T17FK8	583	208-230/460	90.0	93.0	1.15	32.80	C, CN
50	3600	324JP	G151756.60	√	5782	C326T34FK7	610	208-230/460	112.0	92.4	1.15	34.17	C, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Pump Motors

Lincoln Fire Pump Motors - Drip-Proof - Rigid Base

Features:

- 25 to 500 horsepower
- 3600 & 1800 RPM's
- 250 frame rolled steel construction
- 280 frame and larger - cast iron construction
- EPACT efficiency
- Ball bearings
- NEMA design B, code G
- 230/460 and 460 volt motors rated for 50HZ at next lower HP, with 1.15 S.F. on nameplate
- Dual voltage motors – 12 leads suitable for Y-Delta, low voltage PWS, and across the line start
- Single voltage motors – 12 leads suitable for Y-Delta, PWS, and across the line start
- C Face kits available through 250HP
- For special designs contact district sales office near you
- Exterior red paint
- UL listed and CSA certified (UL1004A) and CE marked

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
25	3600	256T	LM80103	C/A	1710	SSD2P25T62AP5	164	200/400	— —	91.0	1.15	— —	S, US
	3600	256T	LM80104	C/A	1710	SSD2P25T61AP5	164	230/460	58.0	91.0	1.15	22.32	S, US
	1800	284T	LM80105	C/A	2402	CCD4P25T62YAP5	420	200/400	70.0	91.7	1.15	23.49	C, US
	1800	284T	LM80106	C/A	2402	CCD4P25T61YAP5	420	230/460	61.0	91.7	1.15	23.49	C, US
30	3600	284TS	LM80107	C/A	2573	CCD2P30TS62YAP5	318	200/400	83.0	91.0	1.15	22.06	C, US
	3600	284TS	LM80108	C/A	2573	CCD2P30TS61YAP5	318	230/460	— —	91.0	1.15	— —	C, US
	1800	286T	LM80109	C/A	2831	CCD4P30T62YAP5	364	200/400	— —	92.4	1.15	— —	C, US
	1800	286T	LM80110	C/A	2831	CCD4P30T61YAP5	364	230/460	— —	92.4	1.15	— —	C, US
40	3600	286TS	LM80111	C/A	2871	CCD2P40TS62YAP5	360	200/400	— —	91.7	1.15	— —	C, US
	3600	286TS	LM80112	√	2871	CCD2P40TS61YAP5	360	230/460	94.0	91.7	1.15	23.56	C, US
	1800	324TS	LM80113	C/A	3185	CCD4P40TS62YAP5	465	200/400	— —	93.0	1.15	— —	C, US
	1800	324TS	LM80114	C/A	3185	CCD4P40TS61YAP5	465	230/460	— —	93.0	1.15	— —	C, US
	1800	324T	LM80115	C/A	3185	CCD4P40T62YAP5	465	200/400	— —	93.0	1.15	— —	C, US
	1800	324T	LM80116	√	3185	CCD4P40T61YAP5	465	230/460	97.0	93.0	1.15	26.00	C, US
50	3600	324TS	LM80117	C/A	3037	CCD2P50TS62YAP5	415	200/400	— —	92.4	1.15	— —	C, US
	3600	324TS	LM80118	√	3037	CCD2P50TS61YAP5	415	230/460	117.0	92.4	1.15	24.50	C, US
	1800	326TS	LM80119	C/A	3393	CCD4P50TS62YAP5	515	200/400	142.0	93.0	1.15	26.00	C, US
	1800	326TS	LM80120	C/A	3393	CCD4P50TS61YAP5	515	230/460	— —	93.0	1.15	— —	C, US
	1800	326T	LM80121	C/A	3393	CCD4P50T62YAP5	515	200/400	— —	93.0	1.15	— —	C, US
	1800	326T	LM80122	√	3393	CCD4P50T61YAP5	515	230/460	123.0	93.0	1.15	27.50	C, US

▼ LM Numbers are Lincoln Models

* Full load Amps at lowest listed voltage

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

Lincoln Fire Pump Motors - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	326TS	LM80123	C/A	3384	CCD2P60TS62YAP5	340	200/400	– –	93.0	1.15	– –	C, US
	3600	326TS	LM80124	√	3384	CCD2P60TS61YAP5	340	230/460	135.0	93.0	1.15	26.00	C, US
	1800	364TS	LM80125	C/A	6420	CCD4P60TS62YAP5	805	200/400	– –	93.6	1.15	– –	C, US
	1800	364TS	LM80126	C/A	6420	CCD4P60TS61YAP5	805	230/460	– –	93.6	1.15	– –	C, US
	1800	364T	LM80127	C/A	6420	CCD4P60T62YAP5	805	200/400	– –	93.6	1.15	– –	C, US
	1800	364T	LM80128	C/A	6420	CCD4P60T61YAP5	805	230/460	144.0	93.6	1.15	28.62	C, US
75	3600	364TS	LM80129	C/A	6271	CCD2P75TS62YAP5	950	200/400	211.0	93.0	1.15	26.50	C, US
	3600	364TS	LM80130	√	6666	CCD2P75TS61YAP5	950	230/460	183.0	93.0	1.15	26.50	C, US
	1800	365TS	LM80131	C/A	6680	CCD4P75TS62YAP5	766	200/400	– –	94.1	1.15	– –	C, US
	1800	365TS	LM80132	C/A	6680	CCD4P75TS61YAP5	766	230/460	– –	94.1	1.15	– –	C, US
	1800	365T	LM80133	C/A	6680	CCD4P75T62YAP5	766	200/400	204.0	94.1	1.15	29.62	C, US
	1800	365T	LM80134	√	6680	CCD4P75T61YAP5	766	230/460	177.0	94.1	1.15	29.62	C, US
100	3600	365TS	LM80135	C/A	6528	CCD2P100TS62YAP5	730	200/400	– –	93.0	1.15	– –	C, US
	3600	365TS	LM80136	√	6528	CCD2P100TS61YAP5	730	230/460	240.0	93.0	1.15	27.50	C, US
	1800	404TS	LM80137	C/A	8214	CCD4P100TS62YAP5	1065	200/400	– –	94.1	1.15	– –	C, US
	1800	404TS	LM80138	C/A	8214	CCD4P100TS61YAP5	1065	230/460	236.0	94.1	1.15	29.50	C, US
	1800	404T	LM80139	C/A	8214	CCD4P100T62YAP5	1065	200/400	271.0	94.1	1.15	32.50	C, US
	1800	404T	LM80140	√	8214	CCD4P100T61YAP5	1065	230/460	236.0	94.1	1.15	32.50	C, US
125	3600	404TS	LM80141	C/A	7778	CCD2P125TS62YAP5	949	200/400	– –	93.6	1.15	– –	C, US
	3600	404TS	LM80142	√	7778	CCD2P125TS61YAP5	949	230/460	284.0	93.6	1.15	29.50	C, US
	1800	405TS	LM80143	C/A	8785	CCD4P125TS62YAP5	1070	200/400	– –	94.5	1.15	– –	C, US
	1800	405TS	LM80144	C/A	8785	CCD4P125TS61YAP5	1070	230/460	288.0	94.5	1.15	31.00	C, US
	1800	405T	LM80145	C/A	8785	CCD4P125T62YAP5	1070	200/400	– –	94.5	1.15	– –	C, US
	1800	405T	LM80146	√	8785	CCD4P125T61YAP5	1070	230/460	288.0	94.5	1.15	34.00	C, US
150	3600	405TS	LM80147	C/A	8018	CCD2P150TS6011PYAP5	983	400	– –	93.6	1.15	– –	C, US
	3600	405TS	LM80148	√	8018	CCD2P150TS64PYAP5	983	460	169.0	93.6	1.15	31.00	C, US
	1800	444TS	LM80149	C/A	10269	CCD4P150TS6011PYAP5	1265	400	199.0	95.0	1.15	34.00	C, US
	1800	444TS	LM80150	C/A	10269	CCD4P150TS64PYAP5	1265	460	173.0	95.0	1.15	34.00	C, US
	1800	444T	LM80151	C/A	10269	CCD4P150T6011PYAP5	1265	400	199.0	95.0	1.15	37.75	C, US
	1800	444T	LM80152	√	10269	CCD4P150T64PYAP5	1265	460	173.0	95.0	1.15	37.75	C, US
200	3600	444TS	LM80153	C/A	10378	CCD2P200TS6011PYAP5	1315	400	259.0	94.5	1.15	34.00	C, US
	3600	444TS	LM80154	√	10378	CCD2P200TS64PYAP5	1315	460	225.0	94.5	1.15	34.00	C, US
	1800	445TS	LM80155	C/A	11032	CCD4P200TS6011PYAP5	1412	400	268.0	95.0	1.15	36.00	C, US
	1800	445TS	LM80156	C/A	11032	CCD4P200TS64PYAP5	1412	460	233.0	95.0	1.15	36.00	C, US
	1800	445T	LM80157	C/A	11032	CCD4P200T6011PYAP5	1412	400	268.0	95.0	1.15	39.75	C, US
	1800	445T	LM80158	√	11032	CCD4P200T64PYAP5	1412	460	233.0	95.0	1.15	39.75	C, US
250	3600	445TS	LM80159	C/A	10132	CCD2P250TS6011PYAP5	1387	400	321.0	94.5	1.15	36.00	C, US
	3600	445TS	LM80160	√	10132	CCD2P250TS64PYAP5	1387	460	279.0	94.5	1.15	36.00	C, US
	1800	445TS	LM80161	C/A	10976	CCD4P250TS6011PYAP5	1428	400	328.0	95.4	1.15	36.00	C, US
	1800	445TS	LM80162	C/A	10976	CCD4P250TS64PYAP5	1428	460	285.0	95.4	1.15	36.00	C, US
	1800	445T	LM80163	C/A	10976	CCD4P250T6011PYAP5	1428	400	328.0	95.4	1.15	39.75	C, US
	1800	445T	LM80164	√	10976	CCD4P250T64PYAP5	1428	460	285.0	95.4	1.15	39.75	C, US

▼ LM Numbers are Lincoln Models

* Full load Amps at lowest listed voltage

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

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View On-line Technical Information

Pump Motors

Lincoln Fire Pump Motors - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
300	3600	447TS	LM80165	C/A	14882	CCD2P300TS6011PYAP5	2255	400	382.0	95.0	1.15	39.50	C, US
	3600	447TS	LM80166	√	14882	CCD2P300TS64PYAP5	2255	460	332.0	95.0	1.15	39.50	C, US
	1800	447TS	LM80167	C/A	15637	CCD4P300TS6011PYAP5	1952	400	397.0	95.4	1.15	39.50	C, US
	1800	447TS	LM80168	C/A	15637	CCD4P300TS64PYAP5	1952	460	345.0	95.4	1.15	39.50	C, US
	1800	447T	LM80169	C/A	15637	CCD4P300T6011PYAP5	1952	400	397.0	95.4	1.15	43.25	C, US
	1800	447T	LM80170	√	15637	CCD4P300T64PYAP5	1952	460	345.0	95.4	1.15	43.25	C, US
350	3600	447TS	LM80171	C/A	15503	CCD2P350TS6011PYAP5	2068	400	443.0	95.0	1.15	39.50	C, US
	3600	447TS	LM80172	√	15503	CCD2P350TS64PYAP5	2068	460	385.0	95.0	1.15	39.50	C, US
	1800	447TS	LM80173	C/A	15600	CCD4P350TS6011PYAP5	1950	400	466.0	95.4	1.15	39.50	C, US
	1800	447TS	LM80174	C/A	15600	CCD4P350TS64PYAP5	1950	460	405.0	95.4	1.15	39.50	C, US
	1800	447T	LM80175	C/A	15600	CCD4P350T6011PYAP5	1950	400	466.0	95.4	1.15	43.25	C, US
	1800	447T	LM80176	√	15600	CCD4P350T64PYAP5	1950	460	405.0	95.4	1.15	43.25	C, US
400	3600	447TS	LM80177	√	17901	CCD2P400TS64PYAP5	2150	460	435.0	95.4	1.15	39.50	C, US
	1800	447TS	LM80178	√	17457	CCD4P400TS64PYAP5	2214	460	450.0	95.4	1.15	39.50	C, US
450	3600	449TS	LM80179	√	23143	CCD2P450TS64PYAP5	2544	460	495.0	95.8	1.15	44.50	C, US
	1800	449TS	LM80180	√	23161	CCD4P450TS64PYAP5	2675	460	505.0	95.8	1.15	44.50	C, US
500	3600	449TS	LM80181	√	24762	CCD2P500TS64PYAP5	2544	460	546.0	95.8	1.15	44.50	C, US
	1800	449TS	LM80182	√	25284	CCD4P500TS64PYAP5	2695	460	560.0	95.8	1.15	44.50	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

* Full Load Amps at 400 or 460 Volts

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Pump Motors

Lincoln Fire Pump Motors - TEFC - Rigid Base

Features:

- 3 to 450 horsepower
- 3600 & 1800 RPM's
- EPACT efficiency
- Ball bearings
- NEMA design B, code G
- 230/460 and 460 volt motors rated for 50HZ at next lower HP, with 1.15 S.F. on nameplate
- Dual voltage motors – 12 leads suitable for Y-Delta, low voltage PWS, and across the line start
- Single voltage motors – 12 leads suitable for Y-Delta, PWS, and across the line start
- C-Face kits available through 250HP
- For special designs contact district sales office near you
- Exterior red paint
- UL listed and CSA certified (UL1004A) and CE marked

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	182T	LM80050	C/A	901	CCF2P3T62AP5	84	200/400	8.50	86.5	1.15	15.87	C, US
	3600	182T	LM80051	C/A	901	CCF2P3T61AP5	84	230/460	7.40	86.5	1.15	15.87	C, US
	1800	182T	LM80052	C/A	662	CCF4P3T62AP5	90	200/400	9.90	87.5	1.15	15.87	C, US
	1800	182T	LM80053	C/A	662	CCF4P3T61AP5	90	230/460	8.60	87.5	1.15	15.87	C, US
5	3600	184T	LM80054	C/A	1037	CCF2P5T62AP5	108	200/400	14.0	87.5	1.15	15.87	C, US
	3600	184T	LM80055	C/A	1037	CCF2P5T61AP5	108	230/460	12.2	87.5	1.15	15.87	C, US
	1800	184T	LM80056	√	764	CCF4P5T62AP5	123	200/400	15.0	87.5	1.15	15..87	C, US
	1800	184T	LM80057	√	764	CCF4P5T61AP5	123	230/460	13.0	87.5	1.15	15.87	C, US
7.5	3600	213T	LM80058	C/A	1312	CCF2P7.5T62AP5	188	200/400	21.9	88.5	1.15	18.20	C, US
	3600	213T	LM80059	C/A	1312	CCF2P7.5T61AP5	188	230/460	19.0	88.5	1.15	18.20	C, US
	1800	213T	LM80060	C/A	975	CCF4P7.5T62AP5	194	200/400	23.0	89.5	1.15	18.20	C, US
	1800	213T	LM80061	C/A	975	CCF4P7.5T61AP5	194	230/460	20.0	89.5	1.15	— —	C, US
10	3600	215T	LM80062	C/A	1532	CCF2P10T62AP5	217	200/400	27.6	89.5	1.15	— —	C, US
	3600	215T	LM80063	C/A	1532	CCF2P10T61AP5	217	230/460	24.0	89.5	1.15	— —	C, US
	1800	215T	LM80064	C/A	1186	CCF4P10T62AP5	227	200/400	28.8	89.5	1.15	— —	C, US
	1800	215T	LM80065	√	1186	CCF4P10T61AP5	227	230/460	25.0	89.5	1.15	— —	C, US
15	3600	254T	LM80066	C/A	2160	CCF2P15T62AP5	370	200/400	— —	90.2	1.15	— —	C, US
	3600	254T	LM80067	C/A	2160	CCF2P15T61AP5	370	230/460	— —	90.2	1.15	— —	C, US
	1800	254T	LM80068	C/A	1749	CCF4P15T62AP5	365	200/400	— —	91.0	1.15	— —	C, US
	1800	254T	LM80069	C/A	1749	CCF4P15T61AP5	365	230/460	39.0	91.0	1.15	23.52	C, US
20	3600	256T	LM80070	C/A	2610	CCF2P20T62AP5	334	200/400	— —	90.2	1.15	— —	C, US
	3600	256T	LM80071	C/A	2610	CCF2P20T61AP5	334	230/460	— —	90.2	1.15	— —	C, US
	1800	256T	LM80072	C/A	2072	CCF4P20T62AP5	420	200/400	57.5	91.0	1.15	25.27	C, US
	1800	256T	LM80073	C/A	2072	CCF4P20T61AP5	420	230/460	50.0	91.0	1.15	12.00	C, US
25	3600	284TS	LM80074	C/A	3377	CCF2P25TS62YAP5	384	200/400	— —	91.0	1.15	— —	C, US
	3600	284TS	LM80075	C/A	3377	CCF2P25TS61YAP5	384	230/460	59.0	91.0	1.15	24.89	C, US
	1800	284T	LM80076	C/A	2699	CCF4P25T62YAP5	440	200/400	— —	92.4	1.15	— —	C, US
	1800	284T	LM80077	C/A	2699	CCF4P25T61YAP5	440	230/460	61.0	92.4	1.15	26.27	C, US

▼ LM Numbers are Lincoln Models

* Full load Amps at lowest listed voltage

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Continued On Next Page

View On-line Technical Information

LEESON

Pump Motors

Lincoln Fire Pump Motors - TEFC - Rigid Base

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
30	3600	286TS	LM80078	C/A	4008	CCF2P30TS62YAP5	428	200/400	——	91.0	1.15	——	C, US
	3600	286TS	LM80079	C/A	4008	CCF2P30TS61YAP5	428	230/460	——	91.0	1.15	——	C, US
	1800	286T	LM80080	C/A	3227	CCF4P30T62YAP5	494	200/400	——	92.4	1.15	——	C, US
	1800	286T	LM80081	C/A	3227	CCF4P30T61YAP5	494	230/460	72.0	92.4	1.15	27.84	C, US
40	3600	324TS	LM80084	C/A	5612	CCF2P40TS62YAP5	520	200/400	——	91.7	1.15	——	C, US
	3600	324TS	LM80085	√	5612	CCF2P40TS61YAP5	520	230/460	92.0	91.7	1.15	27.47	C, US
	1800	324TS	LM80183	C/A	4726	CCF4P40TS62YAP5	575	200/400	——	93.0	1.15	——	C, US
	1800	324TS	LM80184	C/A	4726	CCF4P40TS61YAP5	575	230/460	——	93.0	1.15	——	C, US
	1800	324T	LM80027	C/A	4726	CCF4P40T62YAP5	575	200/400	——	93.0	1.15	——	C, US
	1800	324T	LM80086	√	4726	CCF4P40T61YAP5	575	230/460	100.0	93.0	1.15	28.97	C, US
50	3600	326TS	LM80028	C/A	6552	CCF2P50TS62YAP5	540	200/400	——	93.0	1.15	——	C, US
	3600	326TS	LM80087	√	6552	CCF2P50TS61YAP5	540	230/460	112.0	93.0	1.15	28.97	C, US
	1800	326TS	LM80186	C/A	5307	CCF4P50TS62YAP5	675	200/400	——	93.6	1.15	——	C, US
	1800	326TS	LM80187	C/A	5307	CCF4P50TS61YAP5	675	230/460	122.0	93.6	1.15	28.87	C, US
	1800	326T	LM80029	C/A	5307	CCF4P50T62YAP5	675	200/400	140.0	93.6	1.15	30.37	C, US
	1800	326T	LM80088	√	5307	CCF4P50T61YAP5	675	230/460	122.0	93.6	1.15	31.87	C, US
60	3600	364TS	LM80030	C/A	7896	CCF2P60TS62YAP5	875	200/400	——	93.0	1.15	——	C, US
	3600	364TS	LM80089	√	7896	CCF2P60TS61YAP5	875	230/460	138.0	93.0	1.15	29.38	C, US
	1800	364TS	LM80188	C/A	7317	CCF4P60TS62YAP5	975	200/400	——	93.6	1.15	——	C, US
	1800	364TS	LM80185	C/A	7317	CCF4P60TS61YAP5	975	230/460	142.0	93.6	1.15	29.38	C, US
	1800	364T	LM80031	C/A	7317	CCF4P60T62YAP5	975	200/400	——	93.6	1.15	——	C, US
	1800	364T	LM80090	√	7317	CCF4P60T61YAP5	975	230/460	142.0	93.6	1.15	31.50	C, US
75	3600	365TS	LM80032	C/A	9403	CCF2P75TS62YAP5	1000	200/400	——	93.6	1.15	——	C, US
	3600	365TS	LM80091	√	9403	CCF2P75TS61YAP5	1000	230/460	172.0	93.6	1.15	30.38	C, US
	1800	365TS	LM80189	C/A	9228	CCF4P75TS62YAP5	1025	200/400	——	94.1	1.15	——	C, US
	1800	365TS	LM80190	C/A	9228	CCF4P75TS61YAP5	1025	230/460	176.0	94.1	1.15	30.38	C, US
	1800	365T	LM80033	C/A	9228	CCF4P75T62YAP5	1025	200/400	——	94.1	1.15	——	C, US
	1800	365T	LM80092	√	9228	CCF4P75T61YAP5	1025	230/460	176.0	94.1	1.15	32.50	C, US
100	3600	405TS	LM80034	C/A	12865	CCF2P100TS62YAP5	1239	200/400	——	94.1	1.15	——	C, US
	3600	405TS	LM80093	√	12865	CCF2P100TS61YAP5	1239	230/460	224.0	94.1	1.15	34.12	C, US
	1800	405TS	LM80191	C/A	11150	CCF4P100TS62YAP5	1267	200/400	172.0	94.5	1.15	30.38	C, US
	1800	405TS	LM80192	C/A	11150	CCF4P100TS61YAP5	1267	230/460	224.0	94.5	1.15	32.62	C, US
	1800	405T	LM80035	C/A	11150	CCF4P100T62YAP5	1267	200/400	——	94.5	1.15	——	C, US
	1800	405T	LM80094	√	11150	CCF4P100T61YAP5	1267	230/460	224.0	94.5	1.15	37.12	C, US
125	3600	444TS	LM80036	C/A	15669	CCF2P125TS6011PYAP5	1750	400	——	94.5	1.15	——	C, US
	3600	444TS	LM80095	√	15669	CCF2P125TS64PYAP5	1750	460	——	94.5	1.15	——	C, US
	1800	444TS	LM80193	C/A	14903	CCF4P125TS6011PYAP5	1805	400	——	94.5	1.15	——	C, US
	1800	444TS	LM80194	C/A	14903	CCF4P125TS64PYAP5	1805	460	142.0	94.5	1.15	37.60	C, US
	1800	444T	LM80037	C/A	14903	CCF4P125T6011PYAP5	1805	400	——	94.5	1.15	——	C, US
	1800	444T	LM80096	√	14903	CCF4P125T64PYAP5	1805	460	145.0	94.5	1.15	43.35	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

* Full load Amps at lowest listed voltage

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C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	* F. L. Amps	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
150	1800	445TS	LM80195	C/A	17286	CCF4P150TS6011PYAP5	2116	400	——	95.0	1.15	——	C, US
	1800	445TS	LM80196	C/A	17286	CCF4P150TS64PYAP5	2116	460	170.0	95.0	1.15	39.60	C, US
	1800	445T	LM80039	C/A	17286	CCF4P150T6011PYAP5	2116	400	——	95.0	1.15	——	C, US
	1800	445T	LM80098	√	17286	CCF4P150T64PYAP5	2116	460	170.0	95.0	1.15	43.35	C, US
200	1800	445TS	LM80197	C/A	21378	CCF4P200TS6011PYAP5	2311	400	——	95.4	1.15	——	C, US
	1800	445TS	LM80198	C/A	21378	CCF4P200TS64PYAP5	2311	460	——	95.4	1.15	——	C, US
	1800	445T	LM80041	C/A	21378	CCF4P200T6011PYAP5	2311	400	——	95.4	1.15	——	C, US
	1800	445T	LM80100	√	21378	CCF4P200T64PYAP5	2311	460	224.0	95.4	1.15	43.35	C, US
250	1800	449TS	LM80199	C/A	25517	CC449F4P250TS6011PYAP5	2600	400	——	93.0	1.15	——	C, US
	1800	449TS	LM80200	C/A	25517	CC449F4P250TS64PYAP5	2600	460	326.0	93.0	1.15	48.09	C, US
	1800	449T	LM80043	C/A	25517	CC449F4P250T6011PYAP5	2600	400	——	95.4	1.15	——	C, US
	1800	449T	LM80102	√	25517	CC449F4P250T64PYAP5	2600	460	290.0	95.4	1.15	51.85	C, US
300	1800	449TS	LM80201	C/A	26678	CCF4P300TS6011PYAP5	3041	400	374.0	93.0	1.15	48.09	C, US
	1800	449TS	LM80202	C/A	26678	CCF4P300TS64PYAP5	3041	460	335.0	93.0	1.15	48.09	C, US
	1800	449T	LM80045	C/A	26678	CCF4P300T6011PYAP5	3041	400	385.0	95.4	1.15	51.86	C, US
	1800	449T	LM80018	√	26678	CCF4P300T64PYAP5	3041	460	335.0	95.4	1.15	51.86	C, US
350	1800	449TS	LM80203	C/A	27630	CCF4P350TS6011PYAP5	3202	400	——	93.0	1.15	——	C, US
	1800	449TS	LM80204	C/A	27630	CCF4P350TS64PYAP5	3202	460	400.0	93.0	1.15	48.09	C, US
	1800	449T	LM80047	C/A	27630	CCF4P350T6011PYAP5	3202	400	——	95.4	1.15	——	C, US
	1800	449T	LM80020	√	27630	CCF4P350T64PYAP5	3202	460	400.0	95.4	1.15	51.88	C, US
400	1800	5011L	LM80049	C/A	57320	CC5011F4P400L6011PYAP5	5500	400	——	95.8	1.15	——	C, US
	1800	5011L	LM80022	√	57320	CC5011F4P400L64PYAP5	5500	460	448.0	95.8	1.15	51.85	C, US
450	1800	5011L	LM80082	C/A	58924	CC5011F4P450L6011PYAP5	5500	400	——	95.8	1.15	——	C, US
	1800	5011L	LM80083	√	58924	CC5011F4P450L64PYAP5	5500	460	495.0	95.8	1.15	70.94	C, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

* Full load Amps at 400 or 460 Volts

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Washguard Motors

- USDA-approved epoxy painted motors
- Stainless steel motors
- Encapsulated stainless steel motors available
- NEMA and IEC flange motors
- Three phase, single phase and DC washdown duty motors
- AC and DC washdown gearmotors
- Rigid base and C face mount types
- BISSC approved designs
- Forsheda shaft seals and Protech bearing isolators used to seal motor shafts
- 3-year warranty on encapsulated and Premium efficient models
- Washdown brakemotors and pump motors available
- UL recognized and CSA certified

Applications:

Designed to meet the demanding washdown conditions that you may find in food processing plants, chemical processing, pharmaceutical plants and the beverage and brewing industries.

Premium StainlessDuck

Maximum service in critically clean or corrosive environments

- All exterior components of 300 series stainless steel
- Endshields o-ring sealed to frame
- IEEE 841 severe-duty features standard
- Meets IP56 enclosure protection
- AC, DC and IEC designs

SST StainlessDuck

Stainless Steel Tough for demanding washdown applications

- All exterior components of 300 series stainless steel, including motor frame, endshield and conduit box castings
- Moisture resistant sealant between frame and endbells
- Full-fact nameplate is laser-etched on the motor frame
- Four locations for T-drains provided on each endshield
- Meets IP55 enclosure protection

StainlessDuck

Superior, extended life in severe environments

- Paint-free exterior—stainless frame and conduit box lid, specially processed endshields and conduit box housing
- Etched stainless steel nameplate
- Meets IP55 enclosure protection
- Three phase motors are suitable for use on VFDs

WhiteDuck

Enhanced performance in wet, humid areas

- Our original moisture-shedding "duck" motor
- USDA-approved white epoxy finish
- Stainless steel shaft, conduit box cover, nameplate, fan guard
- Four endshield drains
- Meets IP55 enclosure protection

ExtremeDuck

Revolutionary Designed Stainless Steel Motors are built to be the last Stainless Steel Washdown motors you will ever need!

- Total winding encapsulation using an Epoxy Resin
- All exterior components are 300-Series stainless steel
- Protech Bearing isolator used for the output shaft seal
- Pre-lubricated double-sealed bearings
- Full fact nameplate is laser etched

Automotive Duty Motors
Pump Motors
Washguard Motors
Agricultural Motors
HVAC / Fan Motors
Special Voltage Motors
Definite Purpose Motors
Brake Motors
IEC Motors

WASHGUARD MOTORS ARE BUILT TO HANDLE HIGH-PRESSURE WASHDOWNS!*

Stainless-steel or white polypropylene fan guard on all WASHGUARD frames.

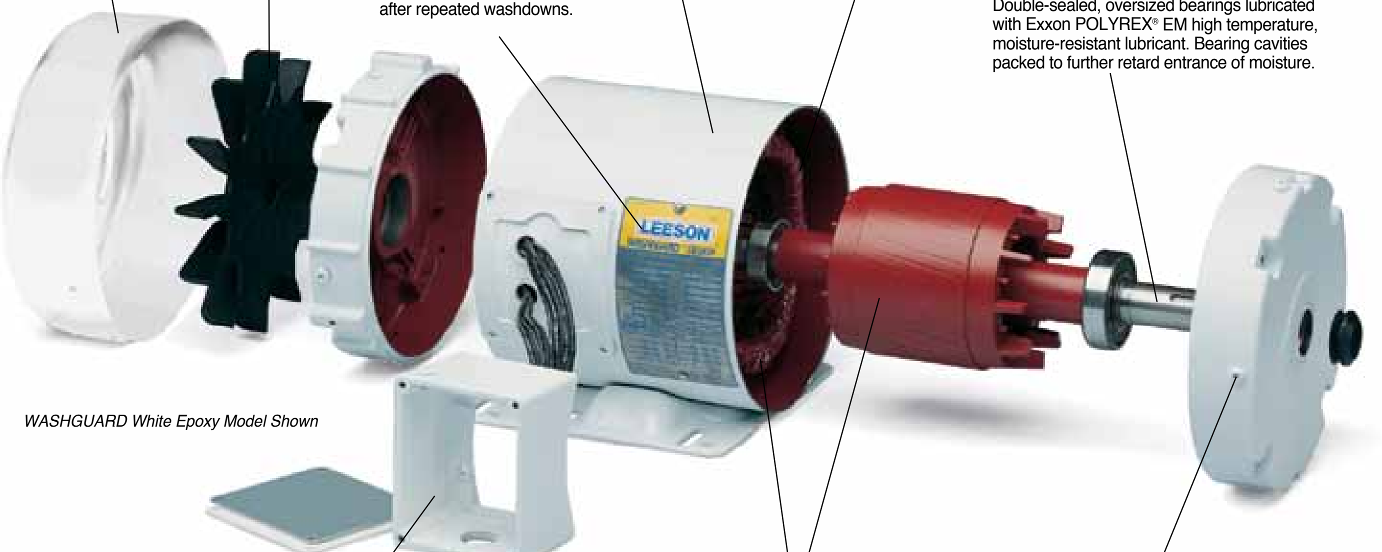
Composite fan is chemically-inert and static-free. Fan is positively positioned on shaft on TEFC designs only.

Stainless-steel, "full-fact" nameplate includes information on motor efficiency and connections. Readable even after repeated washdowns.

USDA-approved, white epoxy finish for superior protection and resistance to caustic cleaning solutions.

Encapsulated starting switch (single-phase WASHGUARD motors) uses a patented, field-proven design that is immune to moisture, shock and vibration. No moving parts or exposed contacts to become corroded or inoperable.

Moisture-resistant shaft system includes 303 stainless-steel shaft and lubricated, spring-loaded contact seals in each endshield. Patented V-ring Forsheda seal on shaft end to deflect water (see inset). Double-sealed, oversized bearings lubricated with Exxon POLYREX® EM high temperature, moisture-resistant lubricant. Bearing cavities packed to further retard entrance of moisture.

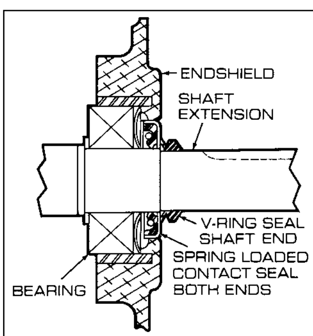


WASHGUARD White Epoxy Model Shown

Cast, oversized conduit box with tough, high-temperature nitrile gaskets and stainless-steel cover and hardware. Oversized design with threaded entrance. All machined fits are sealed and nylon gaskets are used under bolt heads.

Interior coatings protect against moisture and corrosion. Frame, base, endshields, rotor, and interior components are protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies, and oils. High temperature, moisture resistant IRIS insulation system assures long life on inverter service. Windings are immersed and cured in polyester insulating compound.

Four condensate drains in each endshield (at three, six, nine, and twelve o'clock) purge condensate and water which may enter the motor.



Contact seal and V-ring seal retard water from high pressure washdown.

** Also excellent for applications requiring a motor that is "tropicalized"!*

Washguard Motors

Single Phase - White Epoxy Painted

Single Phase - TEFC - Rigid Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	112431.00	√	631	C6C17WB1	24	115/208-230	None	4.4	1.15	10.81	S, US
3/4	1800	56	112432.00	√	742	C6C17WB2	31	115/208-230	None	5.4	1.15	11.31	S, US
1	1800	56	112626.00	√	851	C6C17WB3	33	115/208-230	None	6.4	1.15	11.81	S, US
	1800	143T	120589.00	√	851	N143C17WB1	34	115/208-230	None	6.4	1.15	12.25	S, US
11⁄2	1800	145T	120590.00	√	1084	C145C17WB1	47	115/208-230	None	9.5	1.15	13.75	S, US
2	1800	182T	131571.00	√	1571	C182C17WB3	60	115/208-230	None	12.6	1.15	13.46	S, MX

Specifications are subject to change without notice ♥ Note listing on inside back flap

Single Phase - TEFC - C Face Less Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	113580.00	√	623	C6C34WK2	27	115/208-230	None	2.6	1.15	10.69	S, US
	1800	56C	112526.00	√	631	C6C17WK2	28	115/208-230	None	3.2	1.15	10.69	S, US
1/2	3600	56C	113581.00	√	631	C6C34WK3	25	115/208-230	None	3.6	1.15	10.69	S, US
	1800	56C	112527.00	√	654	C6C17WK3	28	115/208-230	None	4.4	1.15	11.19	S, US
3/4	3600	56C	113582.00	√	640	C6C34WK4	31	115/208-230	None	5.0	1.15	11.69	S, US
	1800	56C	112528.00	√	741	C6C17WK4	30	115/208-230	None	5.4	1.15	11.69	S, US
1	3600	56C	113583.00	√	642	C6C34WK6	31	115/208-230	None	6.0	1.15	12.19	S, US
	1800	56C	112529.00	√	853	C6C17WK5	33	115/208-230	None	6.4	1.15	12.19	S, US
1 1⁄2	3600	56C	113584.00	√	940	C6C34WK5	36	115/208-230	None	8.5	1.15	12.69	S, US
	1800	56HC	113300.00	√	1088	C6C17WK6	45	115/208-230	None	9.5	1.15	13.69	S, US
2	3600	56HC	114637.00	√	1084	C6C34WK9	43	115/208-230	None	10.0	1.0	13.69	S, US

Specifications are subject to change without notice ♥ Note listing on inside back flap

Single Phase - TEFC - C Face With Base - Featuring Electronic Solid State Encapsulated Switch

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	114310.00	√	619	C6C34WC2	25	115/208-230	None	2.6	1.15	10.69	S, US
	1800	56C	114311.00	√	628	C6C17WC2	27	115/208-230	None	3.2	1.15	10.69	S, US
1/2	3600	56C	114312.00	√	628	C6C34WC3	25	115/208-230	None	3.6	1.15	10.69	S, US
	1800	56C	114313.00	√	645	C6C17WC3	29	115/208-230	None	4.4	1.15	11.19	S, US
3/4	3600	56C	114314.00	√	631	C6C34WC4	31	115/208-230	None	5.0	1.15	11.69	S, US
	1800	56C	114315.00	√	745	C6C17WC4	31	115/208-230	None	5.4	1.15	11.69	S, US
1	3600	56C	114316.00	√	635	C6C34WC5	29	115/208-230	None	6.0	1.15	12.19	S, US
	1800	56C	114317.00	√	845	C6C17WC5	34	115/208-230	None	6.4	1.15	12.19	S, US
1 1⁄2	3600	56C	114318.00	√	939	C6C34WC6	36	115/208-230	None	8.5	1.15	12.69	S, US
	1800	56C	114319.00	√	1084	C6C17WC6	43	115/208-230	None	9.5	1.15	13.69	S, US

Specifications are subject to change without notice ♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

White Epoxy Painted - Three Phase

Three Phase - TENV and TEFC C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56C	113649.00	√	604	C6T17VC5	19	208-230/460	1.1	68.0	1.15	9.56	1000 : 1	S, US, 12
1/3	3600	56C	116640.00	√	624	C6T34VC16	19	208-230/460	1.1	77.0	1.15	10.08	1000 : 1	S, US, 12
	1800	56C	113954.00	√	642	C6T17VC6	19	208-230/460	1.3	72.0	1.15	9.56	1000 : 1	S, US, 12
	1800	56C	116642.00	√	642	C6T17WC23	19	208-230/460	1.7	68.0	1.15	10.69	10 : 1	S, US, 13
1/2	3600	56C	116643.00	√	644	C6T34VC17	22	208-230/460	1.6	82.5	1.15	10.06	1000 : 1	S, US, 12
	1800	56C	113473.00	√	662	C6T17VC4	22	208-230/460	1.8	78.5	1.15	10.06	1000 : 1	S, US, 12
	1800	56C	116644.00	√	662	C6T17WC24	22	208-230/460	2.0	74.0	1.15	11.19	10 : 1	S, US, 13
3/4	3600	56C	113022.00	√	670	C6T34VC1	23	208-230/460	2.4	84.0	1.15	11.06	1000 : 1	S, US, 12
	1800	56C	113019.00	√	766	C6T17VC1	28	208-230/460	2.5	80.0	1.15	10.56	1000 : 1	S, US, 12
	1800	56C	116645.00	√	766	C6T17FC204	28	208-230/460	2.8	77.0	1.15	11.69	10 : 1	S, US, 13
1	3600	56C	113023.00	√	781	C6T34VC2	35	208-230/460	2.6	85.5	1.15	11.56	1000 : 1	S, US, 12
	1800	56C	113020.00	√	799	C6T17VC2	32	208-230/460	3.2	80.0	1.15	11.56	1000 : 1	S, US, 12
	1800	56C	116646.00	√	799	C6T17WC25	32	208-230/460	3.8	77.0	1.15	11.69	10 : 1	S, US, 13
	1800	143TC	120760.00	√	799	C143T17VC1	35	208-230/460	3.2	80.0	1.15	11.75	1000 : 1	S, US, 12
	1800	143TC	G121652.00	√	819	C143T17WC8	33	208-230/460	3.1	82.5	1.15	13.25	10 : 1	S, US, 13
1 1⁄2	3600	56C	113024.00	√	828	C6T34VC3	42	208-230/460	3.8	84.0	1.15	12.56	1000 : 1	S, US, 12
	1800	56C	113021.00	√	833	C6T17VC3	44	208-230/460	4.2	84.0	1.15	13.06	1000 : 1	S, US, 12
	1800	56C	116647.00	√	833	C6T17WC26	44	208-230/460	5.0	78.5	1.15	12.69	10 : 1	S, US, 13
	1800	145TC	120761.00	√	833	C145T17VC1	47	208-230/460	4.2	84.0	1.15	13.25	1000 : 1	S, US, 12
	1800	145TC	G121655.00	√	855	C145T17WC28	45	208-230/460	4.4	84.0	1.15	13.25	10 : 1	S, US, 13
2	3600	56C	113593.00	√	947	C6T34VC5	47	208-230/460	5.0	84.0	1.0	13.06	1000 : 1	S, US, 12
	3600	145TC	121040.00	√	947	C145T34VC1	45	208-230/460	5.0	84.0	1.15	13.12	1000 : 1	S, US, 12
	1800	56C	114616.00	√	972	C6T17WC12	48	208-230/460	6.2	81.5	1.15	12.69	10 : 1	S, US, 13
	1800	145TC	G120762.00	√	1057	C145T17WC27	47	208-230/460	5.6	84.0	1.15	13.75	10 : 1	S, US, 13
3	3600	56C	115976.00	√	1156	C6T34WC7	39	208-230/460	7.6	84.0	1.15	13.19	10 : 1	S, US, 13
	3600	145TC	G120987.00	√	1248	C145T34WC15	44	208-230/460	7.6	85.5	1.15	13.75	10 : 1	S, US
	1800	182TC	G131596.00	√	1392	C182T17WC9	81	208-230/460	7.6	87.5	1.15	14.47	10 : 1	S, MX, 13
5	3600	184TC	G131595.00	√	1742	C184T34WC7A	75	208-230/460	12.0	87.5	1.15	14.47	10 : 1	S, MX, 13
	1800	184TC	G131597.00	√	1571	C184T17WC8	95	208-230/460	13.0	87.5	1.15	14.97	10 : 1	S, MX, 13
7 1⁄2	3600	S213TC	G131594.00	√	2160	C184T34WC6	102	208-230/460	16.8	88.5	1.0	17.47	10 : 1	S, MX, 13
	1800	213TC	G140467.00	√	1992	C213T17WC3	145	208-230/460	20.4	89.5	1.15	17.71	10 : 1	S, MX, 13
10	3600	215TC	G140737.00	√	2566	C215T34WC2	170	208-230/460	24.0	89.5	1.15	20.57	10 : 1	S, US, 13
	1800	215TC	G140465.00	√	2264	C215T17WC3	180	208-230/460	26.0	89.5	1.15	18.71	10 : 1	S, MX, 13
15	3600	215TC	G140738.00	√	3159	C215T34WC4	140	208-230/460	36.0	90.2	1.15	20.57	10 : 1	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/2	1800	56	112427.00	√	650	C6T17WB6	24	208-230/460	2.0	74.0	1.15	10.81	10 : 1	S, US
3/4	1800	56	112428.00	√	678	C6T17WB7	27	208-230/460	2.8	77.0	1.15	10.81	10 : 1	S, US
1	1800	56	112627.00	√	713	C6T17WB8	26	208-230/460	3.8	77.0	1.15	11.31	10 : 1	S, US
	1800	143T	121865.00	√	897	C143T17WB4	35	208-230/460	3.1	85.5	1.15	12.75	10 : 1	S, US
1 1⁄2	1800	145T	121869.00	√	899	C145T17WB23	51	208-230/460	4.4	86.5	1.15	12.75	10 : 1	S, US
2	1800	145T	121866.00	√	1118	C145T17WB22	46	208-230/460	5.6	86.5	1.15	13.75	10 : 1	S, US
3	3600	182T	132203.00	√	1530	CZ182T34WK2	85	208-230/460	7.6	86.5	1.25	14.27	10 : 1	S, MX
	1800	56HZ	115751.00	√	995	C6T17FB113	45	208-230/460	8.6	82.5	1.00	14.25	10 : 1	S, US, 12
	1800	182T	132196.00	√	1501	C182T17WB10	69	208-230/460	8.2	89.5	1.15	13.96	10 : 1	S, MX
5	3600	184T	132202.00	√	1717	C184T34WB5	75	208-230/460	12.0	88.5	1.25	14.46	10 : 1	S, MX
	1800	184T	132197.00	√	1717	C184T17WB8	85	208-230/460	13.0	89.5	1.15	14.96	10 : 1	S, MX
7 1⁄2	3600	184T	132306.00	√	2142	C184T34WB6A	87	208-230/460	16.8	89.5	1.15	15.96	10 : 1	S, MX
	3600	S213T	132204.00	√	2142	C184T34WB6	87	208-230/460	16.8	89.5	1.15	16.59	10 : 1	S, MX
	1800	213T	140819.00	√	2179	C213T17WB6	131	208-230/460	20.4	91.7	1.25	17.21	10 : 1	S, MX
10	1800	215T	140820.00	√	2607	C215T17WB5	165	208-230/460	26.0	91.7	1.25	18.71	10 : 1	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Automotive Duty Motors

Pump Motors

Washguard Motors

Agricultural Motors

HVAC / Fan Motors

Special Voltage Motors

Definite Purpose Motors

Brake Motors

IEC Motors

View On-line Technical Information

Washguard Motors

White Epoxy Painted - Three Phase

Three Phase - TENV and TEFC C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56C	112523.00	√	608	C6T17WK8	21	208-230/460	1.1	67.0	1.15	10.69	10 : 1	S, US, 13
1/3	3600	56C	116641.00	√	644	C6T34VK15	22	208-230/460	1.1	77.0	1.15	10.08	1000 : 1	S, US, 12
	1800	56C	112547.00	√	669	C6T17WK9	22	208-230/460	1.7	68.0	1.15	10.69	10 : 1	S, US, 13
1/2	3600	56C	113588.00	√	606	C6T34VK3	26	208-230/460	1.5	82.5	1.15	10.58	1000 : 1	S, US, 12
	1800	56C	113586.00	√	678	C6T17VK2	23	208-230/460	1.8	78.5	1.15	10.06	1000 : 1	S, US, 12
	1800	56C	112429.00	√	678	C6T17WK1	22	208-230/460	2.0	74.0	1.15	11.19	10 : 1	S, US, 13
	1200	56C	115743.00	√	849	C6T11VK1	24	208-230/460	2.3	77.0	1.15	11.56	1000 : 1	S, US, 12
3/4	3600	56C	113589.00	√	665	C6T34VK2	24	208-230/460	2.4	84.0	1.15	11.08	1000 : 1	S, US, 12
	1800	56C	113587.00	√	786	C6T17VK1	30	208-230/460	2.5	80.0	1.15	10.56	1000 : 1	S, US, 12
	1800	56C	112430.00	√	786	C6T17WK2	26	208-230/460	2.8	77.0	1.15	11.19	10 : 1	S, US, 13
	1200	56HC	115744.00	√	923	C6T11VK2	25	208-230/460	3.0	78.5	1.15	13.06	1000 : 1	S, US, 12
1	3600	56C	113590.00	√	779	C6T34VK4	34	208-230/460	2.6	85.5	1.15	11.58	1000 : 1	S, US, 12
	1800	56C	112524.00	√	819	C6T17WK10	27	208-230/460	3.8	77.0	1.15	11.69	10 : 1	S, US, 13
	1800	143TC	121867.00	√	943	C143T17WK11	37	208-230/460	3.2	85.5	1.15	13.25	10 : 1	S, US, 13
	1200	56HC	115745.00	√	987	C6T11WK3	35	208-230/460	4.0	77.0	1.15	13.08	10 : 1	S, US, 13
1 1/2	3600	56C	113591.00	√	859	C6T34VK5	44	208-230/460	3.8	84.0	1.15	12.56	1000 : 1	S, US, 12
	1800	145TC	121871.00	√	983	C145T17WK31	53	208-230/460	4.8	86.5	1.15	13.25	10 : 1	S, US, 13
	1800	56C	112643.00	√	855	C6T17WK11	32	208-230/460	5.0	78.5	1.15	12.19	10 : 1	S, US, 13
	1200	56HC	115746.00	√	1043	C6T11WK4	31	208-230/460	5.7	77.0	1.15	14.18	10 : 1	S, US, 13
2	3600	56HC	113592.00	√	955	C6T34VK6	48	208-230/460	5.0	84.0	1.15	13.06	1000 : 1	S, US, 12
	3600	145TC	121039.00	√	955	C145T34VK1	43	208-230/460	4.8	85.5	1.15	13.12	1000 : 1	S, US, 12
	1800	56C	112644.00	√	980	C6T17WK12	36	208-230/460	6.2	81.5	1.15	12.69	10 : 1	S, US, 13
	1800	145TC	121868.00	√	1215	C145T17WK30	49	208-230/460	5.8	86.5	1.15	13.75	10 : 1	S, US, 13
3	3600	145TC	121870.00	√	1436	C145T34WK28	46	208-230/460	7.6	89.5	1.15	13.75	10 : 1	S, US, 13
	3600	182TC	132199.00	√	1650	C182T34WK1	80	208-230/460	7.6	86.5	1.25	14.97	10 : 1	S, MX, 13
	1800	182TC	132198.00	√	1628	C182T17WK13	80	208-230/460	7.8	89.5	1.15	14.47	10 : 1	S, MX, 13
5	3600	184TC	132200.00	√	2039	C184T34WK10	79	208-230/460	12.0	88.5	1.15	14.47	10 : 1	S, MX, 13
	1800	184TC	132201.00	√	1838	C184T17WK15	84	208-230/460	12.8	89.5	1.15	14.97	10 : 1	S, MX, 13
7 1/2	3600	184TC	132205.00	√	2528	C184T34WK17	94	208-230/460	17.6	89.5	1.15	15.97	10 : 1	S, MX, 13
	3600	213TC	141120.00	√	2586	C213T34WK6	140	208-230/460	17.8	89.5	1.15	17.47	10 : 1	S, MX, 13
	1800	213TC	140822.00	√	2370	C213T17WK9	135	208-230/460	21.4	91.7	1.25	17.71	10 : 1	S, MX, 13
10	3600	215TC	140823.00	√	3053	C215T34WK9	129	208-230/460	23.6	90.2	1.15	20.57	10 : 1	S, US, 13
	1800	215TC	140821.00	√	2694	C215T17WK9	145	208-230/460	26.6	91.7	1.25	18.71	10 : 1	S, MX, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase • 575 Volts

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1/4	1800	56C	112520.00	√	608	C6T17WK5	24	575	0.44	68.0	1.15	10.69	10 : 1	S, US
1/3	1800	56C	112521.00	√	629	C6T17WK6	22	575	0.68	68.0	1.15	10.69	10 : 1	S, US
1/2	1800	56C	112483.00	√	678	C6T17WK3	28	575	0.8	74.0	1.15	10.69	10 : 1	S, US
3/4	1800	56C	112484.00	√	786	C6T17WK4	24	575	1.12	77.0	1.15	11.19	10 : 1	S, US
1	1800	56C	112522.00	√	819	C6T17WK7	30	575	1.5	77.0	1.15	11.69	10 : 1	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Washguard Motors

Washdown Duty Pump Motors
White Epoxy Painted

Three Phase - TEFC - JM Pump - EPACT Efficient

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1	1800	143JM	G121579.00	√	1094	C143T17WK16	41	208-230/460	3.1	82.5	1.15	16.25	10 : 1	S, US
1 1/2	3600	143JM	G121580.00	√	1181	C143T34WK9	33	208-230/460	4.0	82.5	1.15	16.25	10 : 1	S, US
	1800	145JM	G121581.00	√	1212	C145T17WK38	47	208-230/460	4.4	84.0	1.15	16.25	10 : 1	S, US
2	3600	145JM	G121582.00	√	1334	C145T34WK22	50	208-230/460	5.2	84.0	1.15	16.25	10 : 1	S, US
	1800	145JM	G121583.00	√	1251	C145T17WK39	49	208-230/460	5.6	84.0	1.15	16.75	10 : 1	S, US
3	3600	145JM	G121584.00	√	1431	C145T34WK23	54	208-230/460	7.6	85.5	1.15	16.75	10 : 1	S, US
	1800	182JM	G131967.00	√	1591	C182T17WK15	79	208-230/460	8.2	87.5	1.15	16.75	10 : 1	S, MX
5	3600	184JM	G131968.00	√	1899	C184T34WK12	81	208-230/460	12.0	87.5	1.15	16.75	10 : 1	S, MX
	1800	184JM	G131969.00	√	1722	C184T17WK17	95	208-230/460	13.0	87.5	1.15	17.63	10 : 1	S, MX
7 1/2	3600	184JM	G131970.00	√	2081	C184T34WK13	110	208-230/460	16.8	88.5	1.15	18.25	10 : 1	S, MX
	1800	213JM	G140733.00	√	2322	C213T17WK13	135	208-230/460	20.4	89.5	1.15	19.50	10 : 1	S, MX
10	3600	215JM	G140734.00	√	2861	C215T34WK5	142	208-230/460	24.0	89.5	1.15	22.20	10 : 1	S, US
	1800	215JM	G140735.00	√	2702	C215T17WK12	150	208-230/460	26.0	89.5	1.15	21.70	10 : 1	S, MX
15	3600	215JM	G140736.00	√	3270	C215T34WK6	160	208-230/460	36.0	90.2	1.15	22.20	10 : 1	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Washguard Jet Pump Motors

Washdown duty three phase jet pump motors for industrial service. These motors include all of the features of LEESON's White Duck Washguard motors with the addition of a 56J threaded shaft for use on jet pumps. For demanding pump applications in wet, humid, or washdown environments.

Three Phase - TEFC - C Face Less Base - Threaded Shaft

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	116774.00	√	672	C6T34WC14	23	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	116775.00	√	781	C6T34WC15	35	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	116776.00	√	831	C6T34WC13	42	208-230/460	4.2	81.5	1.15	11.81	S, US
2	3600	56J	116777.00	√	950	C6T34WC11	47	208-230/460	5.6	82.5	1.15	12.31	S, US
3	3600	56J	116778.00	√	997	C6T34WC10	49	208-230/460	7.6	84.0	1.15	13.25	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEFC - C Face With Base - Threaded Shaft

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56J	116779.00	√	690	C6T34WK12	24	208-230/460	2.4	75.5	1.15	10.81	S, US
1	3600	56J	116780.00	√	801	C6T34WK13	36	208-230/460	3.2	77.0	1.15	10.81	S, US
1 1/2	3600	56J	116781.00	√	869	C6T34WK11	43	208-230/460	4.2	81.5	1.15	11.81	S, US
2	3600	56J	116782.00	√	966	C6T34WK10	48	208-230/460	5.6	82.5	1.15	12.31	S, US
3	3600	56J	116783.00	√	1029	C6T34WK9	50	208-230/460	7.6	84.0	1.15	13.25	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

Washdown Duty Brakemotors
White Epoxy Painted

Washguard Brakemotors - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	116466.00	√	1335	C6T17VK28	40	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	116467.00	√	1361	C6T17VK30	42	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	116468.00	√	1615	C6T17VK29	44	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	116469.00	√	1669	C6T17VK27	48	208-230/460	3.2	80.0	1.15	15.50	S, US, 12
	1800	143TC	6	121616.00	√	1669	C143T17VK7	49	208-230/460	3.2	80.0	1.15	16.06	S, US, 12
1 1⁄2	1800	145TC	10	G121617.00	√	2313	C145T17WK22	50	208-230/460	4.4	84.0	1.15	19.01	S, US, 13
2	1800	145TC	10	G121618.00	√	2399	C145T17WK21	62	208-230/460	5.6	84.0	1.15	19.01	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Washguard Brakemotors - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	116462.00	√	1288	C6T17VC43	39	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	116463.00	√	1320	C6T17VC42	41	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	116464.00	√	1571	C6T17VC44	43	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	116465.00	√	1627	C6T17VC45	45	208-230/460	3.2	80.0	1.15	15.50	S, US, 12
	1800	143TC	6	121613.00	√	1627	C143T17VC8	46	208-230/460	3.2	80.0	1.15	15.56	S, US, 12
1 1⁄2	1800	145TC	10	121614.00	√	2255	C145T17WC20	49	208-230/460	5.0	78.5	1.15	18.01	S, US, 13
2	1800	145TC	10	121615.00	√	2319	C145T17WC19	61	208-230/460	6.2	81.5	1.15	18.51	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Washguard Coupler Brakes

Larger coupler brakes on page 119.

Solid die-cast aluminum Stearns NEMA 4X coupler brake converts any TEFC or TENV 56C thru 145TC motor to a fail-safe brakemotor by mounting between the C-face motor and driven equipment. Food safe white epoxy finish. BISSC Certified. Adds 5" to the overall length of 56C thru 145TC WASHGUARD TEFC or TENV motors. Includes all mounting components.

For Both Single and Three Phase Motors

Cat. No. 115/208-230V Single Phase	List Price	Cat. No. 208-230/460V Three Phase	List Price	Cat. No. 575V Three Phase	List Price	Brake Rating (ft-lbs)	Max. HP @ 1725 rpm	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	App. Wt. (lbs.)
175566.00	1179	175567.00	1179	175568.00	1179	3	1	56C	5/8", 56C	13
175572.00	1269	175573.00	1269	175574.00	1269	6	2	56C/143-5TC	5/8", 56C	14

Specifications are subject to change without notice

Washguard Brakekits™

Kit of components including a Stearns NEMA 4X brake to convert 56 thru 145T frame stock TEFC only motors to fail-safe brakemotors. Food safe white epoxy finish. BISSC Certified. Adds 5 1/8" to the overall length of 56 thru 145T WASHGUARD TEFC motors.

For 230/460V Three Phase and 230V Single Phase Motors

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No. 208-230/460 V Brake Coil Voltage	List Price	(lbs.)
3	56/143-5T	1	175771.00*	1311	24
6	56/143-5T	2	175772.00*	1382	36
10	56/143-5T	3	175773.00*	1456	43

* For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.

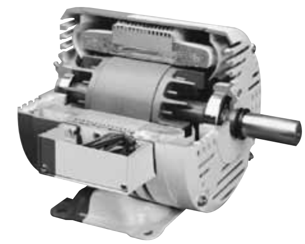
Specifications are subject to change without notice

View On-line Technical Information

Washguard Motors

Lincoln Wash -Thru™ Motors

230/460 Volts - Three Phase - Foot Mount & C Face



Features:

- Pressure encapsulation technology - winding endcoils totally encapsulated
- 303 Stainless shaft
- Double sealed bearings
- FDA approved white finish coat
- Stainless laser etched nameplate

Applications:

Exceptional choice for demanding uses in poultry, seafood, meat and other food processing plants. Other applications include areas where a high degree of dust, moisture, and vibration exist.

Three Phase - Drip-Proof - Rigid Base - Encapsulated

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56	LM21031	C/A	943	SREW2S0.5T61	30	230/460	2.4	70.0	1.0	——	S, US
	1800	56	LM20655	C/A	1016	SREW4S0.5T61	26	230/460	——	68.0	1.0	10.44	S, US
	1200	56	LM25419	C/A	1261	SREW6S0.5T61	28	230/460	——	70.0	1.0	——	S, US
3/4	3600	56	LM21034	C/A	1000	SREW2S0.75T61	30	230/460	——	74.0	1.0	——	S, US
	1800	56	LM20658	C/A	1054	SREW4S0.75T61	24	230/460	——	75.5	1.0	——	S, US
	1200	56	LM22163	C/A	1292	SREW6S0.75T61	33	230/460	3.0	77.5	1.0	10.44	S, US
1	3600	56	LM21037	C/A	1087	SREW2S1T61	30	230/460	3.2	78.5	1.0	11.44	S, US
	1800	56	LM21061	C/A	1103	SREW4S1T61	30	230/460	3.2	77.0	1.0	10.44	S, US
	1800	143T	LM20667	C/A	1103	SSEW4S1T61	35	230/460	3.6	77.0	1.0	10.99	S, US
	1200	56H	LM25420	C/A	1424	SREW6S1T61	34	230/460	4.2	72.0	1.0	11.44	S, US
	1200	145T	LM24280	C/A	1425	SSEW6S1T61	34	230/460	4.2	75.5	1.0	11.49	S, US
1 1/2	3600	56	LM21040	C/A	1160	SREW2S1.5T61	30	230/460	——	78.5	1.0	——	S, US
	3600	143T	LM21046	C/A	1206	SSEW2S1.5T61	35	230/460	4.6	78.5	1.0	11.49	S, US
	1800	56H	LM21062	C/A	1150	SREW4S1.5T61	30	230/460	4.8	80.0	1.0	10.94	S, US
	1800	145T	LM20670	C/A	1150	SSEW4S1.5T61	35	230/460	4.8	80.0	1.0	10.99	S, US
	1200	182T	LM25421	C/A	2078	SSEW6S1.5T61	35	230/460	4.6	81.5	1.0	14.72	S, US
2	3600	56H	LM21043	C/A	1291	SREW2S2T61	34	230/460	——	78.5	1.0	——	S, US
	3600	145T	LM21049	C/A	1344	SSEW2S2T61	35	230/460	6.6	82.5	1.0	10.99	S, US
	1800	56H	LM21063	C/A	1410	SREW4S2T61	34	230/460	6.2	81.5	1.0	10.94	S, US
	1800	145T	LM20673	√	1376	SSEW4S2T61	35	230/460	6.2	81.5	1.0	11.99	S, US
	1200	184T	LM25422	C/A	2295	SSEW6S2T61	70	230/460	6.2	80.0	1.0	16.22	S, US
3	3600	182T	LM21052	C/A	1605	SSEW2S3T61	64	230/460	——	81.5	1.0	——	
	1800	182T	LM20676	√	1796	SSEW4S3T61	64	230/460	7.8	89.5	1.0	14.22	S, US
	1200	213T	LM25423	√	2881	SSEW6S3T61	109	230/460	8.4	78.5	1.0	17.30	S, US
5	3600	184T	LM21055	C/A	2272	SSEW2S5T61	70	230/460	12.4	81.5	1.0	14.22	S, US
	1800	184T	LM20679	√	2043	SSEW4S5T61	70	230/460	13.2	87.5	1.0	14.22	S, US
	1200	215T	LM25424	C/A	3793	SSEW6S5T61	125	230/460	14.0	82.5	1.0	17.30	S, US
7 1/2	3600	213T	LM22423	C/A	2828	SSEW2S7.5T61	109	230/460	19.0	81.5	1.0	17.30	S, US
	1800	213T	LM22435	C/A	2600	SSEW4S7.5T61	109	230/460	19.2	81.5	1.0	15.80	S, US
	1200	254T	LM23931	C/A	5623	SSEW6S7.5T61	208	230/460	——	86.5	1.0	——	S, US
10	3600	215T	LM22426	C/A	3373	SSEW2S10T61	125	230/460	24.0	84.0	1.0	17.30	S, US
	1800	215T	LM22438	√	2970	SSEW4S10T61	125	230/460	25.0	84.0	1.0	17.30	S, US

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

Lincoln Wash -Thru™ Motors

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	LM21032	C/A	993	SREW2S0.5TC61	35	230/460	— —	70.0	1.0	— —	S, US
	1800	56C	LM20656	C/A	1068	SREW4S0.5TC61	35	230/460	2.4	68.0	1.0	10.43	S, US
3/4	3600	56C	LM21035	C/A	1052	SREW2S0.75TC61	35	230/460	— —	74.0	1.0	— —	S, US
	1800	56C	LM20659	C/A	1104	SREW4S0.75TC61	35	230/460	3.0	75.5	1.0	10.43	S, US
1	3600	56C	LM21038	C/A	1141	SREW2S1TC61	35	230/460	3.2	78.5	1.0	10.43	S, US
	1800	56C	LM20661	C/A	1152	SREW4S1TC61	35	230/460	3.6	77.0	1.0	10.93	S, US
	1800	143TC	LM20668	C/A	1152	SSEW4S1TC61	40	230/460	3.6	77.0	1.0	10.99	S, US
1 1/2	3600	56C	LM21041	C/A	1212	SREW2S1.5TC61	35	230/460	4.6	81.5	1.0	10.93	S, US
	3600	143TC	LM21047	C/A	1254	SSEW2S1.5TC61	40	230/460	— —	78.5	1.0	— —	S, US
	1800	56HC	LM20663	C/A	1204	SREW4S1.5TC61	35	230/460	4.8	80.0	1.0	10.93	S, US
	1800	145TC	LM20671	C/A	1204	SSEW4S1.5TC61	40	230/460	4.8	80.0	1.0	10.99	S, US
2	3600	56HC	LM21044	C/A	1342	SREW2S2TC61	40	230/460	6.6	82.5	1.0	10.93	S, US
	3600	145TC	LM21050	C/A	1394	SSEW2S2TC61	40	230/460	6.6	78.5	1.0	10.99	S, US
	1800	56HC	LM20665	C/A	1460	SREW4S2TC61	40	230/460	6.2	81.5	1.0	11.93	S, US
	1800	145TC	LM20674	C/A	1427	SSEW4S2TC61	40	230/460	6.2	81.5	1.0	12.49	S, US
3	3600	182TC	LM21053	C/A	1682	SSEW2S3TC61	73	230/460	7.4	81.5	1.0	14.96	S, US
	1800	182TC	LM20677	C/A	1874	SSEW4S3TC61	73	230/460	7.8	81.5	1.0	14.96	S, US
5	3600	184TC	LM21056	C/A	2348	SSEW2S5TC61	79	230/460	12.4	81.5	1.0	14.96	S, US
	1800	184TC	LM20680	C/A	2120	SSEW4S5TC61	79	230/460	13.2	81.5	1.0	14.96	S, US
7 1/2	3600	213TC	LM22424	C/A	2916	SSEW2S7.5TC61	121	230/460	18.0	81.5	1.0	16.53	S, US
	1800	213TC	LM22436	C/A	2690	SSEW4S7.5TC61	121	230/460	19.2	81.5	1.0	16.53	S, US
10	3600	215TC	LM22427	C/A	3461	SSEW2S10TC61	139	230/460	24.0	84.0	1.0	18.03	S, US
	1800	215TC	LM22439	C/A	3059	SSEW4S10TC61	139	230/460	25.0	84.0	1.0	18.03	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	LM21033	C/A	993	SREW2S0.5TCN61	35	230/460	— —	70	1.0	— —	S, US
	1800	56C	LM20657	C/A	1068	SREW4S0.5TCN61	35	230/460	2.4	74.0	1.0	10.43	S, US
3/4	3600	56C	LM21036	C/A	1052	SREW2S0.75TCN61	35	230/460	— —	74.0	1.0	— —	S, US
	1800	56C	LM20660	C/A	1104	SREW4S0.75TCN61	35	230/460	3.0	77.0	1.0	10.43	S, US
1	3600	56C	LM21039	C/A	1138	SREW2S1TCN61	35	230/460	3.2	75.5	1.0	10.43	S, US
	1800	56C	LM20662	C/A	1152	SREW4S1TCN61	35	230/460	3.6	78.5	1.0	10.93	S, US
	1800	143TC	LM20669	C/A	1152	SSEW4S1TCN61	40	230/460	3.6	78.5	1.0	10.99	S, US
1 1/2	3600	56C	LM21042	C/A	1212	SREW2S1.5TCN61	35	230/460	— —	78.5	1.0	— —	S, US
	3600	143TC	LM21048	C/A	1254	SSEW2S1.5TCN61	40	230/460	— —	78.5	1.0	— —	S, US
	1800	56HC	LM20664	C/A	1204	SREW4S1.5TCN61	35	230/460	4.8	80.0	1.0	10.93	S, US
	1800	145TC	LM20672	C/A	1204	SSSEW4S1.5TCN61	40	230/460	4.8	80.0	1.0	10.99	S, US
2	3600	56HC	LM21045	C/A	1342	SREW2S2TCN61	40	230/460	6.6	78.5	1.0	10.93	S, US
	3600	145TC	LM21051	C/A	1394	SSEW2S2TCN61	40	230/460	6.6	78.5	1.0	10.99	S, US
	1800	56HC	LM20666	C/A	1460	SREW4S2TCN61	40	230/460	6.2	81.5	1.0	11.93	S, US
	1800	145TC	LM20675	C/A	1426	SSEW4S2TCN61	40	230/460	6.2	81.5	1.0	11.99	S, US
3	3600	182TC	LM21054	C/A	1686	SSEW2S3TCN61	73	230/460	— —	81.5	1.0	— —	S, US
	1800	182TC	LM20678	C/A	1874	SSEW4S3TCN61	73	230/460	7.8	81.5	1.0	15.13	S, US
5	3600	184TC	LM21057	C/A	2354	SSEW2S5TCN61	79	230/460	12.4	81.5	1.0	15.13	S, US
	1800	184TC	LM20681	C/A	2120	SSEW4S5TCN61	79	230/460	13.2	81.5	1.0	15.13	S, US
7 1/2	3600	213TC	LM22425	C/A	2916	SSEW2S7.5TCN61	121	230/460	— —	81.5	1.0	— —	S, US
	1800	213TC	LM22437	C/A	2690	SSEW4S7.5TCN61	121	230/460	— —	81.5	1.0	— —	S, US
10	3600	215TC	LM22428	C/A	3461	SSEW2S10TCN61	139	230/460	— —	84.0	1.0	— —	S, US
	1800	215TC	LM22440	C/A	3059	SSEW4S10TCN61	139	230/460	25.0	84.0	1.0	— —	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Washguard Motors

DC Washdown Duty Motors
White Epoxy Painted

DC - SCR Rated 90 & 180 Volts - TENV - C Face with Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	108423.00	√	781	C4D17VK9C	23	90	115	2.7	10.69	S, US
	1750	S56C	098375.00	√	781	C42D17VK1A	21	180	230	1.4	10.22	S, US
1/3	1750	S56C	108424.00	√	826	C4D17VK10C	26	90	115	3.5	11.69	S, US
	1750	S56C	098376.00	√	826	C42D17VK2A	22	180	230	1.7	10.22	S, US
1/2	1750	S56C	108226.00	√	926	C4D17VK1E	38	90	115	4.9	13.69	S, US
	1750	S56C	108227.00	√	926	C4D17VK2E	43	180	230	2.4	13.69	S, US
3/4	1750	S56C	108228.00	√	1124	C4D17VK3E	53	90	115	7.0	15.69	S, US
	1750	S56C	108229.00	√	1124	C4D17VK4E	50	180	230	3.5	15.69	S, US
1	1750	S56C	108230.00**	√	1370	C4D17WK1H	45	90	115	10.0	15.81	S, US
	1750	S56C	108231.00**	√	1370	C4D17WK2G	42	180	230	5.0	14.81	S, US
1 1/2	1750	S56C	108232.00**	√	1750	C4D17WK3F	50	180	230	7.6	15.81	S, US

** These motors are totally enclosed fan cooled

♥ Note listing on inside back flap

Specifications are subject to change without notice

Washguard - DC - IEC Frame

180 Volts - TENV IP55 - B5 Flange With Removable B3 Base

HP/ kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/2 - .37	1750	71	098040.00	C/A	819	42D17VD1	22	180	230	2.5	10.69	S, US
3/4 - .55	1750	80	108407.00	C/A	1110	4D17VD1	52	180	230	3.5	16.02	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

If base is removed, do not reinstall bolts without using washers to compensate for the thickness of base.
These WASHGUARD motors are modular design but stocked with B5 flange and B3 foot. The foot is removable. The B5 flange can be replaced with a B14 face or other diameter B5 flanges noted on page 157.

All Washdown Duty Motors Have Class F Insulation.

View On-line Technical Information

LEESON

Washguard Motors

SUB-FHP IP55 Washguard Motors
White Epoxy Painted

General Specifications:
Precision subfractional horsepower DC permanent magnet motors. Designed for use with fullwave non-filtered SCR controls or battery supplied low voltage for adjustable speed applications requiring constant torque throughout the speed range.

Features:
- 303 Stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Double sealed, Oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture,acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded conduit entrance
  - Drain holes
  - Nitrile gaskets
  - 304 stainless steel conduit box cover
  - Stainless steel hardware
- USDA Approved white epoxy finish
- Nylon seals at bolt heads for superior sealing
- O ring sealed brush covers

Three Phase - Drip-Proof - C Face Less Feet

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/8	1800	31S	M1120181.00	√	485	M31D17VZ1	11	90	115	1.5	8.57	S, US
1/6	1800	31S	M1120183.00	√	492	M31D17VZ3	11	90	115	1.9	10.07	S, US
1/4	3600	32F42CZ	M1120185.00	√	535	M32D25VC1	13	90	115	1.9	10.00	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Low Voltage - 12 Volt - TENV - Square Flange or C Face

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/8	1800	31S	M1120182.00	√	505	M31D17VZ2	7	12	10.5	8.07	S, US
1/6	1800	31S	M1120184.00	√	512	M31D17VZ4	11	12	14.5	9.57	S, US
1/4	3600	32F42CZ	M1120186.00	√	556	M32D25VC2	13	12	20.0	9.50	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

IP55 Washguard Gearmotors - Parallel Shaft
White Epoxy Painted

General Specifications - SCR rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes :

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered.
- USDA approved white epoxy finish
- **Bison/Dayton direct interchange**

IP55 Washguard Gearmotors - Parallel Shaft
White Epoxy Painted

P300 Series - SCR RATED - 90V - Parallel Shaft - TENV - 1.0 Service Factor

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
5	353	1⁄20	M1125261.00	√	825	CM31D17VZ5A	P303-31	336	90	0.81	565
31	220	1⁄8	M1125262.00	√	848	CM31D17VZ6A	P303-31	58	90	1.6	327
51	130	1⁄8	M1125263.00	√	784	CM31D17VZ7A	P302-31	35	90	1.6	277
94	77	1⁄8	M1125264.00	√	784	CM31D17VZ8A	P302-31	19	90	1.6	236
167	43	1⁄8	M1125265.00	√	784	CM31D17VZ9A	P302-31	11	90	1.6	197

P	PB	X Inches	XL	XH
3.13	3.8	3.54	10.44	8.94
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44
3.13	3.8	3.54	11.94	10.44

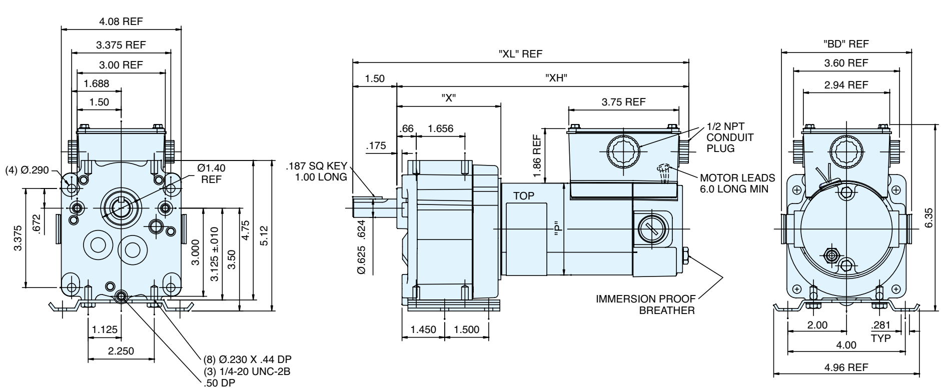
Specifications are subject to change without notice

P300 Series - Low Voltage (12V) - Parallel Shaft - TENV - 1.0 Service Factor

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
5	353	1⁄20	M1125266.00	√	848	CM31D17VZ10B	P303-31	336	12	6.4	565
31	220	1⁄8	M1125267.00	√	869	CM31D17VZ11B	P303-31	58	12	11	327

P	PB	X Inches	XL	XH
3.13	3.8	3.54	10.44	8.94
3.13	4.43	3.54	11.94	9.94

Specifications are subject to change without notice



View On-line Technical Information

LEESON

Washguard Motors

IP55 Washguard Gearmotors - Parallel Shaft
White Epoxy Painted

General Specifications - SCR rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes :

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered.
- USDA approved white epoxy finish
- **Bodine/Baldor direct interchange**

Washguard Motors

IP55 Washguard Gearmotors - Parallel Shaft
White Epoxy Painted

TENV - 1.0 Service Factor - SCR Rated 90V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
14	341	1⁄8	M1125268.00	√	854	M31D25VZ1	P353-31	180	90	1.5	465
42	280	1⁄4	M1125269.00	√	884	M32D25VZ1	P353-32	58	90	2.6	327
83	155	1⁄4	M1125270.00	√	861	M32D25VZ2	P353-32	29	90	2.6	267
250	45	1⁄4	M1125271.00	√	861	M32D25VZ3	P352-32	10	90	2.6	201
500	25	1⁄4	M1125272.00	√	861	M32D25VZ4	P352-32	5	90	2.6	194

P	PB	X Inches	XL	XH
3.13	3.8	3.45	11.84	9.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84
3.25	3.8	3.45	13.84	11.84

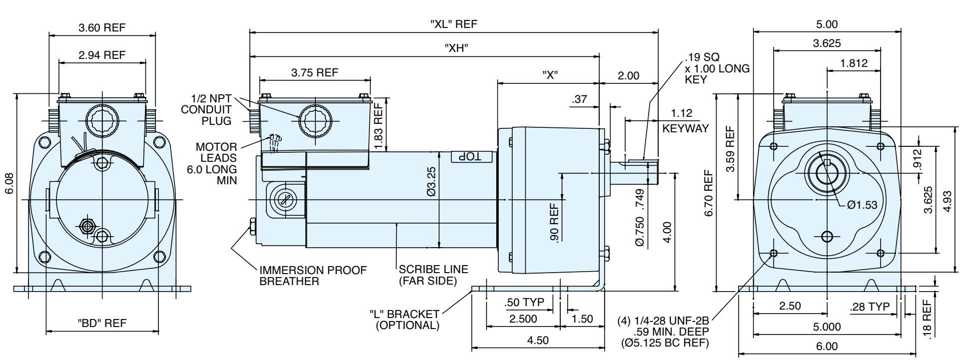
Specifications are subject to change without notice

PE350 Series Parallel Shaft - TENV - 1.0 Service Factor - Low Voltage 12V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
14	341	1⁄8	M1125273.00	√	876	M31D25VZ2	P353-31	180	12	12	465
42	325	1⁄4	M1125274.00	√	925	M32D25VZ5	P353-32	58	12	20	327

P	PB	X Inches	XL	XH
3.13	4.43	3.45	11.58	9.58
3.25	4.43	3.45	13.84	11.84

Specifications are subject to change without notice



View On-line Technical Information

Washguard Motors

IP55 Washguard Right Angle Gearmotors
White Epoxy Painted

General Specifications - SCR rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- 303 Stainless Steel gearbox output shaft
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option

Application Notes :

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8” NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

LEESON

Washguard Motors

IP55 Washguard Right Angle Gearmotors White Epoxy Painted

TENV - 1.0 Service Factor - SCR Rated 90V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
42	80	1⁄8	M1125275.00	√	854	M31D25VZ3	13F60-31	60	90	2.2	235
250	25	1⁄8	M1125276.00	√	854	M31D25VZ4	13F10-31	10	90	2.2	235
62	135	1⁄4	M1125277.00	√	861	M32D25VZ6	13F40-32	40	90	3.7	235
125	90	1⁄4	M1125278.00	√	861	M32D25VZ7	13F20-32	20	90	3.7	235
250	50	1⁄4	M1125279.00	√	861	M32D25VZ8	13F10-32	10	90	3.7	235

P	PB	X Inches	XL	XH
3.13	3.8	4.5	10.86	6.36
3.13	3.8	4.5	10.86	6.36
3.25	3.8	4.5	12.86	8.36
3.25	3.8	4.5	12.86	8.36
3.25	3.8	4.5	12.86	8.36

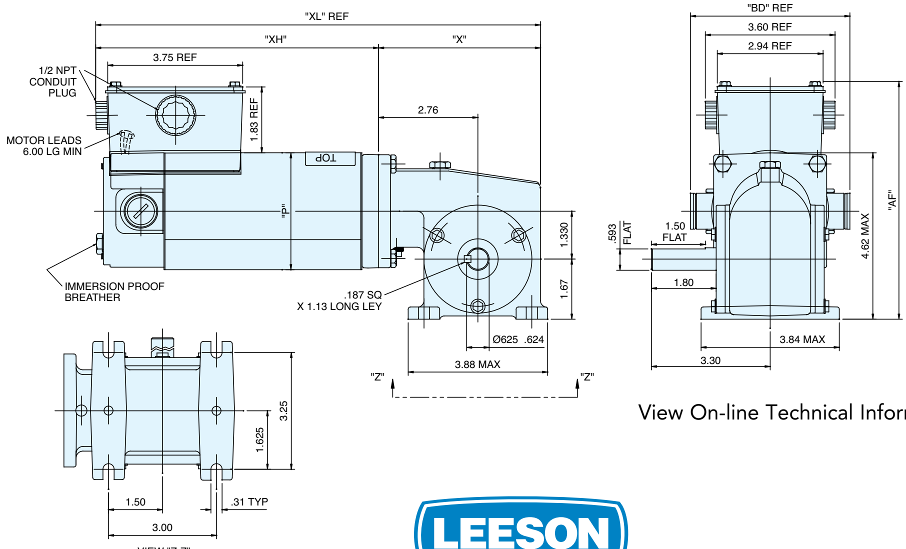
Specifications are subject to change without notice

PE350 Series Parallel Shaft - TENV - 1.0 Service Factor - Low Voltage 12V

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	DC Arm. Volts	Full Load Amps DC	Over-hung Load (Lbs.)
62	135	1⁄4	M1125280.00	√	818	M32D25VZ9	13F40-32	40	12	28	235
125	90	1⁄4	M1125281.00	√	818	M32D25VZ10	13F20-32	20	12	28	235

P	PB	X Inches	XL	XH
3.25	4.43	4.5	12.36	7.86
3.25	4.43	4.5	12.36	7.86

Specifications are subject to change without notice



View On-line Technical Information

Washguard Motors

IP55 AC Washguard Gearmotors
Parallel Shaft - White Epoxy Painted

Features:

- Single phase PSC designs include capacitor inside conduit box
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- 304 Stainless steel external shafts
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened Worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified
- **Bison/Dayton direct interchange**

P240 series AC Washdown Duty Gearmotors

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	Phase	♥Notes
16	391	5/32	M1145138.00	√	880	CM38P17FZ39A	P240	103	115/230	1	S, US
40	219	5/32	M1145139.00	√	880	CM38P17FZ40A	P240	43	115/230	1	S, US
156	60	5/32	M1145140.00	√	807	CM38P17FZ41A	P240	10.6	115/230	1	S, US
16	391	1/6	M1145144.00	√	880	CM38T17FZ20A	P240	103	230	3	S, US
30	295	1/6	M1145145.00	√	880	CM38T17FZ21A	P240	58	230	3	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

IP55 AC Washguard Gearmotors
Right Angle

Features:

- Single phase PSC designs include capacitor inside conduit box
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- 304 Stainless steel external shafts
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened Worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified

Right Angle Series AC Washdown Duty Gearmotors

Output RPM	F.L Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	Phase	♥Notes
43	113	1/6	M1145141.00	√	669	CM38P17FZ42A	Right-Angle	40	115/230	1	S, US
83	75	1/6	M1145142.00	√	907	CM38P17FZ43A	Right-Angle	20	115/230	1	S, US
340	23	1/6	M1145143.00	√	907	CM38P17FZ44A	Right-Angle	5	115/230	1	S, US
29	220	1/6	M1145146.00	√	907	CM38T17FZ22A	Right-Angle	60	230	3	S, US
172	105	1/6	M1145147.00	√	907	CM38T17FZ23A	Right-Angle	10	230	3	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

Chemical Resistance Comparison

Chemical Name	% Concentration	Exposure	White Epoxy	Stainless Steel
Fresh Water	100	Continuous	Excellent	Excellent
Salt Water	5	Continuous	Excellent	Excellent
Salt Brine	Dilute	Continuous	Fair	Good
Ammonium Hydroxide	Dilute	Continuous	Good	Excellent
Calcium Hydroxide (Lime)	100	Intermittent	Good	Excellent
Citric Acid	10	Continuous	Good	Excellent
Ethylene Glycol	100	Continuous	Excellent	Excellent
Hydrochloric Acid	37	Intermittent	Good	Poor
Lactic Acid	Dilute	Intermittent	Excellent	Excellent
Lactic Acid	100	Intermittent	Fair	Fair
Mineral Spirits	100	Continuous	Excellent	Excellent
Potassium Hydroxide	50	Intermittent	Fair	Fair
Sodium Hydroxide	5	Continuous	Fair	Excellent
Sodium Hydroxide	20	Continuous	Fair	Excellent
Sodium Hydroxide	50	Continuous	Excellent	Excellent
Sodium Hypochlorite (Bleach)	15	Intermittent	Excellent	Excellent
Sulfuric Acid	10	Intermittent	Fair	Fair
Toluene	100	Continuous	Fair	Fair
Animal Fats	NA	Continuous	Excellent	Excellent
Mineral Oils	NA	Continuous	Excellent	Excellent
Vegetable Oils	NA	Continuous	Excellent	Excellent
Cutting Oils	NA	Continuous	Excellent	Excellent
Detergents	NA	Continuous	Excellent	Excellent
Gasoline	NA	Continuous	Fair	Fair
Hydraulic Fluid	NA	Continuous	Excellent	Excellent
Lubricating Oils	NA	Continuous	Excellent	Excellent
General Weathering	NA	Continuous	Fair	Excellent
Mold/Mildew	NA	Continuous	Excellent	Excellent
Light Abrasion	NA	Continuous	Excellent	Excellent
Heavy Abrasion	NA	Continuous	Fair	Excellent

Washguard Motors

Washguard II Motors

Stainless Frame - Three Phase - Standard, EPACT & NEMA Premium Ratings

Typical applications include food processing areas requiring frequent sanitation procedures using high pressure cleaning with concentrated caustic solutions, areas of high humidity and in chemical environments.

Features:

- Paint free exterior
- BISSC certified for the Baking Industry
- Stainless Steel Output shafts
- Repositional drain plugs for all angle mounting
- Double Sealed bearings
- Output shaft seal
- Inverter Duty IRIS™ insulation system

Stainless Frame - TENV - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	114394.00	√	787	CZ6T17VC10	30	208-230/460	1.6	78.5	1.15	11.06	S, US, 12
3/4	1800	56C	114395.00	√	911	CZ6T17VC11	34	208-230/460	2.3	80.0	1.15	11.56	S, US, 12
1	1800	56C	114437.00	√	945	CZ6T17VC12	44	208-230/460	3.0	81.5	1.15	12.06	S, US, 12
	1800	143TC	121109.00	√	945	CZ143T17VC2	40	208-230/460	3.0	81.5	1.15	12.13	S, US, 12
1 1⁄2	1800	56C	114581.00	√	991	CZ6T17WC14	45	208-230/460	4.4	84.0	1.15	12.69	S, US, 13
	1800	145TC	G121350.00	√	991	CZ145T17WC29	45	208-230/460	4.4	82.5	1.15	13.25	S, US, 13
2	1800	56C	114582.00	√	1125	CZ6T17WC11	51	208-230/460	5.6	84.0	1.15	13.69	S, US, 13
	1800	145TC	G121351.00	√	1125	CZ145T17WC30	52	208-230/460	5.6	84.0	1.15	13.75	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Stainless Frame - TENV - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56HC	114560.00	√	795	CZ6T17VK3	34	208-230/460	1.6	78.5	1.15	11.56	S, US, 6, 12
3/4	1800	56HC	114561.00	√	919	CZ6T17VK4	38	208-230/460	2.3	80	1.15	12.06	S, US, 6, 12
1	1800	56HC	114562.00	√	955	CZ6T17VK5	45	208-230/460	2.3	81.5	1.15	12.06	S, US, 6, 12
	1800	143TC	121165.00	√	955	CZ143T17VK2	45	208-230/460	2.3	81.5	1.15	12.13	S, US, 12
1 1⁄2	1800	145TC	121912.00	√	1096	CZ145T14KW40	47	208-230/460	4.4	86.5	1.15	13.25	S, US, 13
2	1800	145TC	121913.00	√	1282	CZ145T14WK41	54	208-230/460	5.6	86.5	1.25	13.75	S, US, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

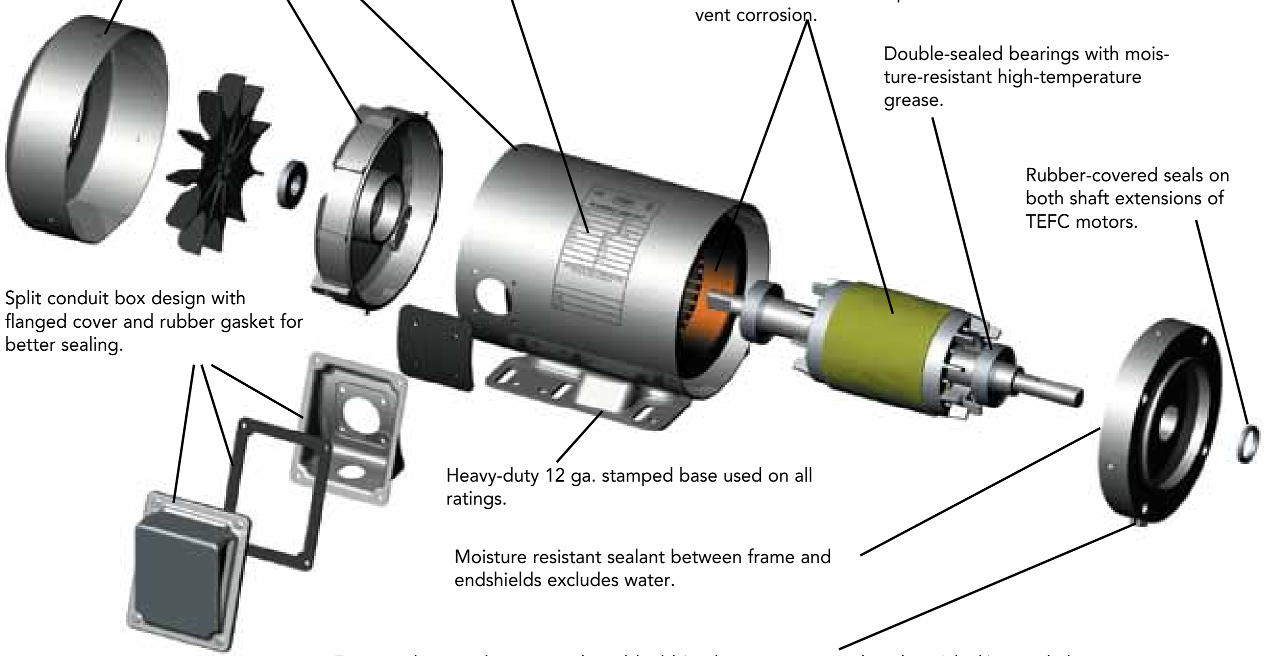
Washguard Motors

SST - All Stainless Motors

SST StainlessDuck

This member of LEESON's family of tough ducks is designed for long life in demanding washdown applications. LEESON's FHP WASHGUARD SST All-Stainless motors are Stainless Steel Tough!

Built with all stainless steel external components to prevent corrosion and well sealed against moisture and condensation to protect internal components, the Washguard SST all-stainless motors are able to withstand the severe washdown environments found in the food processing, chemical processing, and beverage industries.



Washguard Motors

SST - All Stainless Motors

Single-Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	191474.00	√	673	C6C34WK18	29.5	115/208-230	3.1	11.1	1.15	11.1	S, CN
	1800	56C	191475.00	√	759	C6C17WK14	31.5	115/208-230	4.1	11.1	1.15	11.1	S, CN
3/4	3600	56C	191476.00	√	740	C6C34WK19	31.5	115/208-230	4.5	11.8	1.15	11.8	S, CN
	1800	56C	191477.00	√	876	C6C17WK15	39	115/208-230	4.9	11.8	1.15	11.8	S, CN
1	3600	56C	191478.00	√	870	C6C34WK20	39	115/208-230	6.2	12.3	1.15	12.3	S, CN
	1800	56C	191479.00	√	913	C6C17WK16	42.5	115/208-230	6.8	12.3	1.15	12.3	S, CN
1 1/2	3600	56C	191480.00	√	957	C6K34WK2	42.5	115/208-230	8.8	13.2	1.15	13.2	S, CN
	1800	56C	191481.00	√	954	C6K17WK1	52.5	115/208-230	9.5	13.2	1.15	13.2	S, CN
2	3600	145TC	191482.00	√	1235	C145K34WK2	64.5	115/208-230	10.8	14.2	1.15	14.2	S, CN
	1800	145TC	191483.00	√	1210	C145K17WK3	64.5	115/208-230	9.0	14.2	1.15	14.2	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

SST - All Stainless Motors

Three-Phase - TENV/TEFC - C-Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3600	56C	191200.00	√	645	C6T34NK26	29	208-230/460	1.0	74.0	1.15	9.78	S, CN, 12
	1800	56C	191201.00	√	722	C6T17NK29	30	208-230/460	1.3	78.5	1.15	9.78	S, CN, 12
1/2	3600	56C	191203.00	√	660	C6T34NK27	32	208-230/460	1.5	77.0	1.15	9.78	S, CN, 12
	1800	56C	191204.00	√	744	C6T17NK30	33	208-230/460	1.6	81.5	1.15	9.78	S, CN, 12
	1800	56C	191949.00	√	744	C6T17NK46	34	208-230/460	1.6	81.5	1.15	13.77	S, CN, 13
	1200	56C	191414.00	√	809	C6T11NK4	36	208-230/460	2.0	78.5	1.15	9.76	S, CN, 12
3/4	3600	56C	191206.00	√	725	C6T34NK28	33	208-230/460	2.0	78.5	1.15	9.78	S, CN, 12
	1800	56C	191207.00	√	856	C6T17NK31	38	208-230/460	2.3	82.5	1.15	9.78	S, CN, 12
	1800	56C	191950.00	√	856	C6T17NK47	39	208-230/460	2.3	82.5	1.15	13.77	S, CN, 13
	1200	56C	191415.00	√	931	C6T11NK5	49	208-230/460	3.0	80.0	1.15	11.30	S, CN, 12
1	3600	56HC	191209.00	√	851	C6T34FK85	41	208-230/460	2.6	80.0	1.15	13.77	S, CN, 6, 13
	3600	143TC	191486.00	√	1060	C143T34WK10	42	208-230/460	2.6	80.0	1.15	13.62	S, CN, 13
	1800	56C	191291.00	√	893	C6T17NK38	46	208-230/460	3.0	81.5	1.15	11.00	S, CN, 12
	1800	56HC	191211.00	√	893	C6T17FK81	47	208-230/460	3.0	82.5	1.15	13.77	S, CN, 6, 13
	1800	143TC	191487.00	√	1114	C143T17WK14	48	208-230/460	3.0	85.5	1.15	13.62	S, CN, 13
	1200	56HC	191417.00	√	974	C6T11NK6	49	208-230/460	3.8	82.5	1.15	13.10	S, CN, 13
	1200	145TC	191528.00	√	978	C6T11NK6A	49	208-230/460	3.8	82.5	1.15	13.20	S, CN, 13
1 1/2	3600	56HC	191215.00	√	938	C6T34FK86	48	208-230/460	3.8	82.5	1.15	13.77	S, CN, 6, 13
	3600	143TC	191488.00	√	1172	C143T34WK12	49	208-230/460	3.8	84.0	1.15	13.62	S, CN, 13
	1800	56HC	191217.00	√	931	C6T17FK82	48	208-230/460	4.8	84.0	1.15	13.77	S, CN, 6, 13
	1800	145TC	191489.00	√	1161	C145T17WK35	49	208-230/460	4.8	86.5	1.15	13.62	S, CN, 13
2	3600	56HC	191221.00	√	1039	C6T34FK87	49	208-230/460	5.0	84.0	1.15	13.77	S, CN, 6, 13
	3600	145TC	191490.00	√	1403	C145T34WK26	50	208-230/460	5.0	85.5	1.15	13.62	S, CN, 13
	1800	56HC	191223.00	√	1063	C6T17FK83	52	208-230/460	5.8	84.0	1.15	13.77	S, CN, 6, 13
	1800	145TC	191491.00	√	1378	C145T17WK37	53	208-230/460	5.8	86.5	1.15	13.62	S, CN, 13
3	3600	145TC	191492.00	√	1505	C145T34WK21	62	208-230/460	7.4	86.5	1.15	14.12	S, CN, 13
	3600	182TC	194000.00«	C/A	1605	C182T34FK1	78	208-230/460	7.4	86.5	1.15	14.80	S, CN, 13
	1800	182TC	194001.00«	C/A	1615	C182T17FK1	80	208-230/460	7.3	89.5	1.15	13.90	S, CN, 13
5	3600	184TC	194002.00«	C/A	1675	C184T34FK1	85	208-230/460	12.0	88.5	1.15	15.40	S, CN, 13
	1800	184TC	194003.00«	C/A	1690	C184T17FK1	86	208-230/460	12.2	89.5	1.15	15.40	S, CN, 13
7 1/2	3600	213TC	194004.00«	C/A	1956	C213T34FK1	130	208-230/460	17.8	89.5	1.15	17.70	S, CN, 13
	1800	213TC	194005.00«	C/A	1970	C213T17FK1	120	208-230/460	18.0	91.7	1.15	17.70	S, CN, 13
10	3600	215TC	194006.00«	C/A	2237	C215T34FK1	145	208-230/460	23.5	90.2	1.15	18.70	S, CN, 13
	1800	215TC	194007.00«	C/A	2245	C215T17FK1	135	208-230/460	24.0	91.7	1.15	18.70	S, CN, 13
15	3600	254TC	194008.00«	C/A	5179	C254T34FK1	224	208-230/460	34.6	91.0	1.15	25.10	S, CN, 13
	1800	254TC	194009.00«	C/A	5190	C254T17FK1	241	208-230/460	35.8	92.4	1.15	25.10	S, CN, 13
20	3600	256TC	194010.00«	C/A	5413	C256T34FK1	265	208-230/460	46.1	91.0	1.15	21.60	S, CN, 13
	1800	256TC	194011.00«	C/A	5425	C256T17FK1	282	208-230/460	47.4	93.0	1.15	21.60	S, CN, 13
25	3600	284TC	194012.00«	C/A	6671	C284T34FK1	347	208-230/460	56.7	91.7	1.15	21.50	S, CN, 13
	1800	284TC	194013.00«	C/A	6690	C284T17FK1	363	208-230/460	57.5	93.6	1.15	21.50	S, CN, 13
30	3600	286TC	194014.00«	C/A	6905	C286T34FK1	381	208-230/460	67.9	91.7	1.15	22.70	S, CN, 13
	1800	286TC	194015.00«	C/A	6925	C286T17FK1	386	208-230/460	69.0	93.6	1.15	22.70	S, CN, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

« Available 4th QTR 2012

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	191202.00	√	716	C6T17NC328	30	208-230/460	1.3	78.5	1.15	9.78	S, CN, 12
1/2	1800	56C	191205.00	√	733	C6T17NC329	33	208-230/460	1.6	81.5	1.15	9.78	S, CN, 12
	1200	56C	191419.00	√	799	C6T11NC42	35	208-230/460	2.0	78.5	1.15	9.76	S, CN, 12
3/4	1800	56C	191208.00	√	854	C6T17NC298	38	208-230/460	2.3	82.5	1.15	9.78	S, CN, 12
	1200	56C	191420.00	√	929	C6T11NC43	47	208-230/460	3.0	80	1.15	11.30	S, CN, 12
1	1800	56C	191290.00	√	890	C6T17NC310	45	208-230/460	3.0	81.5	1.15	11.00	S, CN, 12
	1800	56C	191213.00	√	890	C6T17FC177	47	208-230/460	3.0	82.5	1.15	13.77	S, CN, 13
	1800	143TC	G191214.00	√	916	143T17WC12A	47	208-230/460	3.0	82.5	1.15	13.62	S, CN, 13
	1200	56C	191421.00	√	971	C6T11NC44	47	208-230/460	3.8	82.5	1.15	13.10	S, CN, 13
1 1/2	1800	56C	191219.00	√	929	C6T17FC178	48	208-230/460	4.8	84	1.15	13.77	S, CN, 13
	1800	145TC	G191220.00	√	956	C145T17WC37	48	208-230/460	4.8	84	1.15	13.62	S, CN, 13
2	1800	56C	191225.00	√	1058	C6T17FC179	52	208-230/460	5.8	84	1.15	13.77	S, CN, 13
	1800	145TC	G191226.00	√	1090	145T17WC38A	52	208-230/460	5.8	84	1.15	13.62	S, CN, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Washguard Motors

Premium - All Stainless Motors
Single Phase & Three Phase

General Specifications:

Designed specifically to meet the demanding sanitation requirements of the pharmaceutical, food processing and beverage industries. These motors are also ideal in clean room and severe chemical-processing applications involving frequent washdown with nitric acid and caustic lye. In fact, WASHGUARD All-Stainless Motors include IEEE 841 severe-duty features right out of the box! Motors have been tested to and passed the IEC IP-56 test requirements.

Mechanical Protection Features:

- All exterior components are 300-series stainless steel
- Nothing on the motor's exterior is painted or coated in any way
- All sealing components are Viton® for superior chemical resistance
- Full fact nameplate is laser etched on the motor frame – no separately attached nameplate to trap dirt or contaminants
- Endshields are O-ring sealed to the frame
- Double lip shaft seals on both ends of TEFC motors (shaft end only on TENV motors)
- Removable hydrophobic breathers in opposite shaft endbell and conduit box equalize pressure without allowing moisture to enter
- Exterior fastener use minimized reducing the number of entry points for moisture. There are no holes in the frame for attaching a nameplate. Bearing lock screws are located inside the motor and the conduit box mounted screws have been eliminated
- Double-sealed bearings are pre-lubricated with moisture-resistant high-temperature grease for long life
- Interior coatings applied to rotor and stator protect against corrosion
- New conduit box mounting system provides optimum sealing
- Ease to clean construction is BISSC Certified for bakery applications

Electrical Performance and Protestion Features:

- WASHGUARD efficiencies meet EPACT mandates for non-exempt motors when tested without shaft seals.
- Windings are immersed and cured in polyester insulating varnish for extra moisture-resistance
- LEESON's exclusive IRIS™ Inverter-Rated Insulation System provides extra protection and long life, especially in inverter-driven applications
- Single-phase motors use Solid State Sinpac® switch – no mechanical switch contacts to corrode and fail.
- All Washdown Duty motors have Class F Insulation

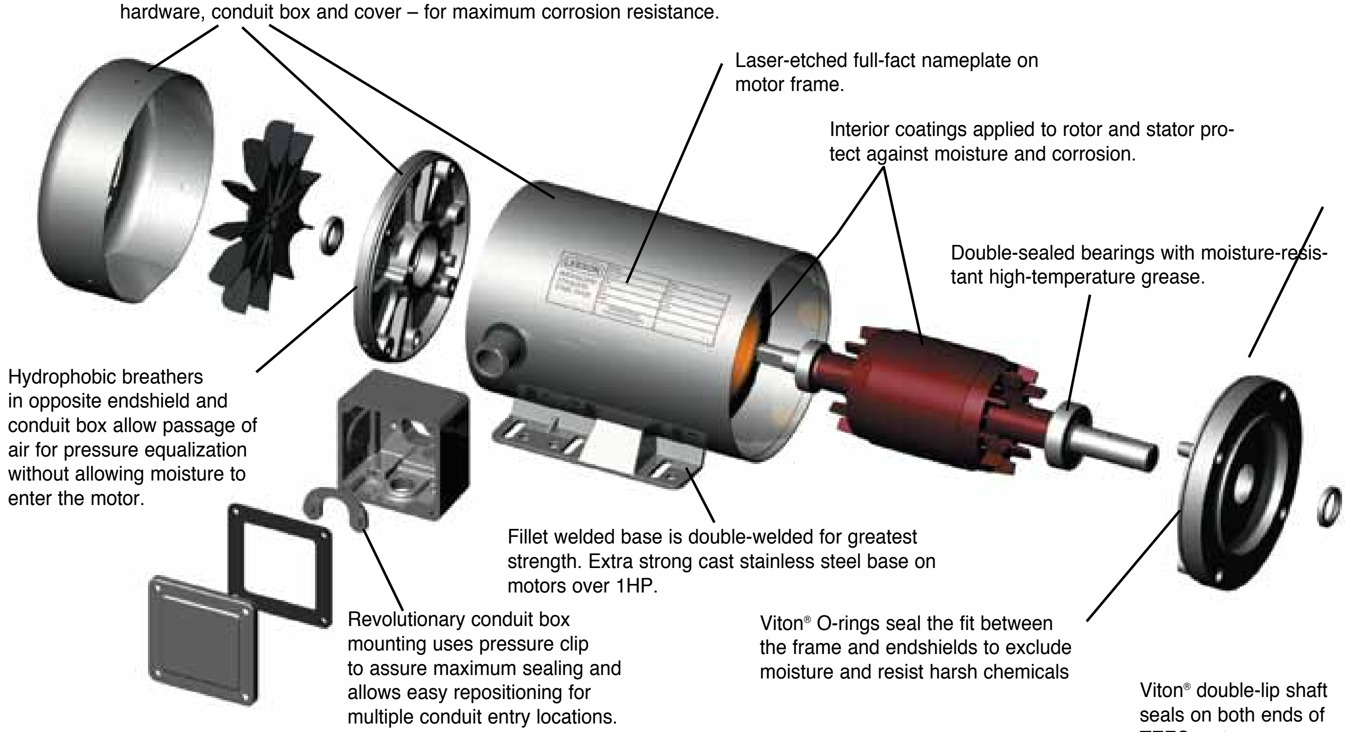
Standards and Approvals:

- Single and three phase motors are UL component recognized – file number E57948, guide number PRGY2.
- CSA Energy Efficiency Verification Program, report number EEV 78720-1
- Construction is CSA Certified for safety report number LR33543 and listed under BISSC authorization number 769

Washguard Motors

Premium - All Stainless Motors
Single-Phase & Three-Phase

Premium StainlessDuck



Washguard Motors

Premium - All-Stainless Motors

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56HC	117269.00	√	1284	CZ6T34VK19	35	208-230/460	1.6	82.5	1.15	12.04	S, US, 12
	1800	S56C	103387.00	√	1288	CZ4T17VK2	31	208-230/460	1.6	76.0	1.15	11.49	S, US, 12
	1800	56HC	117266.00	√	1377	CZ6T17VK46	35	208-230/460	1.6	78.5	1.15	12.54	S, US, 12
	1200	56HC	117762.00	√	1377	CZ6T17VK52	36	208-230/460	1.6	78.5	1.15	13.13	S, US, 13
	1200	56HC	117275.00	√	1716	CZ6T11VK5	35	208-230/460	2.3	77.0	1.15	12.54	S, US, 12
3/4	3600	56HC	117271.00	√	1330	CZ6T34VK20	40	208-230/460	2.4	84.0	1.15	12.54	S, US, 12
	1800	S56C	103388.00	√	1336	CZ4T17WK1	28	208-230/460	2.3	77.0	1.15	12.50	S, US, 13
	1800	56HC	117267.00	√	1428	CZ6T17VK47	41	208-230/460	2.3	80.0	1.15	13.04	S, US, 12
	1200	56HC	117276.00	√	1773	CZ6T11VK6	46	208-230/460	3	78.5	1.15	14.04	S, US, 12
1	3600	56HC	117273.00	√	1455	CZ6T34VK21	43	208-230/460	2.6	85.5	1.15	13.04	S, US, 12
	1800	56HC	115635.00	√	1461	CZ6T17VK8	44	208-230/460	3.0	81.5	1.15	13.54	S, US, 6, 12
	1800	56HC	117286.00	√	1502	CZ6T17WK28	39	208-230/460	3.1	82.5	1.15	13.13	S, US, 13
	1800	143TC	121795.00	√	1461	CZ143T17VK8	44	208-230/460	3.0	81.5	1.15	13.61	S, US, 12
	1800	143TC	121873.00	√	1728	CZ143T17WK12	50	208-230/460	3.1	85.5	1.15	13.19	S, US, 13
	1200	56HC	117277.00	√	1817	CZ6T11WK7	48	208-230/460	4.0	77.0	1.15	13.13	S, US, 13
1 1/2	3600	143TC	121874.00	√	1741	CZ143T34WK7	45	208-230/460	4.0	84.0	1.15	13.69	S, US, 13
	1800	56HC	117284.00	√	1536	CZ6T17WK26	49	208-230/460	4.4	84.0	1.15	13.63	S, US, 13
	1800	145TC	121875.00	√	1767	CZ145T17WK32	49	208-230/460	4.4	86.5	1.15	13.69	S, US, 13
	1200	56HC	117278.00	√	1889	CZ6T11WK8	51	208-230/460	5.4	80.0	1.15	14.13	S, US, 13
2	3600	145TC	121876.00	√	2067	CZ145T34WK18	49	208-230/460	5.2	85.5	1.25	13.69	S, US, 13
	1800	56HC	117285.00	√	1817	CZ6T17WK27	50	208-230/460	5.6	84.0	1.15	13.63	S, US, 13
	1800	145TC	121877.00	√	2089	CZ145T17WK33	50	208-230/460	5.6	86.5	1.25	13.69	S, US, 13
3	3600	145TC	121878.00	√	2488	CZ145T34WK27	53	208-230/460	7.6	86.5	1.15	13.69	S, US, 13
	1800	182TC	132206.00	√	2624	C185T17WK14	85	208-230/460	8.2	89.5	1.15	14.77	S, MX, 13
5	3600	184TC	132207.00	√	2974	C184T34WK11	90	208-230/460	12.0	88.5	1.25	14.77	S, MX, 13
	1800	184TC	132208.00	√	2911	C184T17WK16	96	208-230/460	13.0	89.5	1.15	15.27	S, MX, 13
7 1/2	3600	213TC	140825.00	√	4140	C213T34WK4	160	208-230/460	18.4	89.5	1.15	18.69	S, MX, 13
	1800	213TC	140826.00	√	4674	C213T17WK10	160	208-230/460	20.4	91.7	1.15	18.69	S, MX, 13
10	3600	215TC	140827.00	√	4257	C215T34WK11	165	208-230/460	24.0	90.2	1.15	18.69	S, MX, 13
	1800	215TC	140828.00	√	4814	C215T17WK10	173	208-230/460	26.0	91.7	1.15	18.69	S, MX, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48C	103393.00	√	1089	CZ4T17VC7	25	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
1/2	3600	56C	117279.00	√	1261	CZ6T34VC22	35	208-230/460	1.6	82.5	1.15	12.04	S, US, 12
	1800	48C	103394.00	√	1113	CZ4T17VC3	27	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
	1800	S56C	103389.00	√	1272	CZ4T17VC4	30	208-230/460	1.6	76.0	1.15	11.49	S, US, 12
	1800	56C	117270.00	√	1349	CZ6T17VC56	34	208-230/460	1.6	78.5	1.15	12.54	S, US, 12
3/4	3600	56C	117280.00	√	1304	CZ6T34VC23	40	208-230/460	2.4	84.0	1.15	12.54	S, US, 12
	1800	S56C	103390.00	√	1302	CZ4T17WC1	33	208-230/460	2.3	77.0	1.15	12.50	S, US, 13
	1800	56C	117272.00	√	1392	CZ6T17VC57	40	208-230/460	2.3	80.0	1.15	13.04	S, US, 12
1	3600	56C	117281.00	√	1429	CZ6T34VC24	43	208-230/460	2.6	85.5	1.15	13.04	S, US, 12
	1800	56C	117274.00	√	1438	CZ6T17VC58	44	208-230/460	3.0	81.5	1.15	13.54	S, US, 12
	1800	56HC	117287.00	√	1438	CZ6T17WC30	45	208-230/460	3.1	82.5	1.15	13.13	S, US, 13
	1800	143TC	121796.00	√	1438	CZ143T17VC9	44	208-230/460	3.0	81.5	1.15	13.61	S, US, 12
	1800	143TC	G121659.00	√	1438	CZ143T17WC13	51	208-230/460	3.0	82.5	1.15	13.19	S, US, 13
11⁄2	3600	143TC	G121560.00	√	1439	CZ143T34WC7	52	208-230/460	4.0	82.5	1.15	13.69	S, US, 13
	1800	56C	117282.00	√	1466	CZ6T17WC28	49	208-230/460	4.4	84.0	1.15	13.63	S, US, 13
	1800	145TC	G121525.00	√	1466	CZ145T17WC39	55	208-230/460	5.2	84.0	1.15	13.69	S, US, 13
2	3600	145TC	G121561.00	√	1765	CZ145T34WC20	54	208-230/460	5.6	84.0	1.15	13.69	S, US, 13
	1800	56C	117283.00	√	1778	CZ6T17WC29	49	208-230/460	5.6	84.0	1.15	13.63	S, US, 13
	1800	145TC	G121527.00	√	1778	CZ145T17WC40	60	208-230/460	5.6	84.0	1.15	13.69	S, US, 13
3	3600	145TC	G121562.00	√	2123	CZ145T34WC21	55	208-230/460	7.6	85.5	1.15	13.69	S, US, 13
	1800	182TC	G131923.00	√	2139	C182T17WC10	88	208-230/460	8.2	87.5	1.15	14.77	S, MX, 13
5	3600	184TC	G131949.00	√	2424	C184T34WC8	98	208-230/460	12.0	87.5	1.15	14.77	S, MX, 13
	1800	184TC	G131924.00	√	2441	C184T17WC9	102	208-230/460	13.0	87.5	1.15	15.27	S, MX, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56HC	116343.00	√	1441	NZ6C17VK1	35	115/208-230	None	2.7	1.15	12.20	S, US, 6, 12
1/2	3600	56HC	116344.00	√	1425	NZ6C34VK2	38	115/208-230	None	3.8	1.15	12.20	S, US, 6, 12
	1800	56HC	116345.00	√	1461	NZ6C17VK2	38	115/208-230	None	3.3	1.15	12.70	S, US, 6, 12
3/4	1800	56HC	116346.00	√	1544	NZ6K17VK2	42	115/208-230	None	3.8	1.15	12.70	S, US, 6, 12
1	3600	56HC	116347.00	√	1617	NZ6C34VK1	49	115/208-230	None	6.0	1.15	13.70	S, US, 6, 12
	1800	56HC	116348.00	√	1606	NZ6K17VK1	49	115/208-230	None	4.5	1.15	13.70	S, US, 6, 12
11⁄2	3600	56HC	116482.00	√	1694	CZ6K34WK1	49	115/208-230	None	6.8	1.15	13.81	S, US, 13
	1800	145TC	121622.00	√	1669	CZ145K17WK2	53	115/208-230	None	7.4	1.15	14.81	S, US, 13
2	3600	145TC	121623.00	√	1850	CZ145K34WK1	57	115/208-230	None	8.8	1.15	14.81	S, US, 13
	1800	145TC	121632.00	√	1925	CZ145K17WK1	57	115/208-230	None	10.0	1.15	14.81	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	116349.00	√	1410	NZ6C17VC1	35	115/208-230	None	2.7	1.15	11.70	S, US, 12
1/2	1800	56C	116350.00	√	1437	NZ6C17VC2	38	115/208-230	None	3.3	1.15	12.70	S, US, 12
3/4	1800	56C	116351.00	√	1513	CZ6K17VC2	42	115/208-230	None	3.8	1.15	12.70	S, US, 12
1	1800	56C	116352.00	√	1566	CZ6K17VC1	49	115/208-230	None	4.5	1.15	13.70	S, US, 12
11⁄2	1800	145TC	121624.00	√	1591	CZ145K17WC2	53	115/208-230	None	7.4	1.15	14.87	S, US, 13
2	1800	145TC	121633.00	√	1830	CZ145K17WC1	57	115/208-230	None	10.0	1.15	14.87	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

Stainless Steel Brakemotors

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	116483.00	√	5035	CZ6T17VK31	59	208-230/460	1.6	78.5	1.15	15.85	S, US, 12
1	1800	56C	6	116484.00	√	5305	CZ6T17VK32	69	208-230/460	3.0	81.5	1.15	15.85	S, US, 12

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	143JM	G121626.00	√	1496	CZ143T17WK18	55	208-230/460	3.0	82.5	1.15	16.00	S, US
1 1/2	3600	143JM	G121627.00	√	1497	CZ143T34WK11	55	208-230/460	4.0	82.4	1.15	16.00	S, US
	1800	145JM	G121628.00	√	1527	CZ145T17WK45	56	208-230/460	4.4	84.0	1.15	16.00	S, US
2	3600	145JM	G121629.00	√	1778	CZ145T34WK24	56	208-230/460	5.2	840.	1.15	16.00	S, US
	1800	145JM	G121630.00	√	1797	CZ145T17WK46	57	208-230/460	5.6	840.	1.15	16.50	S, US
3	3600	145JM	G121631.00	√	2138	CZ145T34WK25	57	208-230/460	7.6	85.5	1.15	16.50	S, US
	1800	182JM	G131996.00	√	2262	C182T17WK16	85	208-230/460	8.2	87.5	1.15	16.20	S, MX
5	3600	184JM	G131997.00	√	2494	C184T34WK14A	90	208-230/460	12.0	87.5	1.15	16.20	S, MX
	1800	184JM	G131998.00	√	2508	C184T17WK18A	96	208-230/460	13.0	87.5	1.15	16.77	S, MX
7 1/2	3600	213JM	G140740.00	√	3799	C213T34WK5	160	208-230/460	18.4	88.5	1.15	16.81	S, MX
	1800	213JM	G140741.00	√	3882	C213T17WK14	162	208-230/460	20.4	89.5	1.15	19.81	S, MX
10	3600	215JM	G140742.00	√	3932	C215T34WK12	165	208-230/460	24.0	89.5	1.15	19.81	S, MX
	1800	215JM	G140743.00	√	4003	C215T17WK13	173	208-230/460	26.0	89.5	1.15	19.81	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Washguard Motors

IEC Washguard All-Stainless AC Motors

IEC B5 Flange - Round Body - Three Phase - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	103403.00	√	1331	CZ4T17VZ16	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
	1800	80	103405.00	√	1331	CZ4T17VZ17	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/2-0.37	1800	71	103404.00	√	1377	CZ4T17VZ6	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
	1800	80	103406.00	√	1377	CZ4T17VZ7	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
3/4-0.55	1800	80	103407.00	√	1459	CZ4T17WZ9	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13
1- 0.75	1800	90	117516.00	√	1551	CZ6T17WC44	45	208-230/460	3.1	82.5	1.15	13.13	S, US, 13
1.5 - 1.1	1800	90	117517.00	√	1636	CZ6T17WC46	49	208-230/460	4.4	84.0	1.15	13.63	S, US, 13
2 - 1.5	1800	90	117518.00	√	1817	CZ6T17WC45	49	208-230/460	5.6	84.0	1.15	13.63	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B14 Flange - Round Body - Three Phase - Totally Enclosed - B14 Flange Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	103395.00	√	1331	CZ4T17VZ13	30	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
	1800	80	103397.00	√	1331	CZ4T17VZ14	30	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	71	103396.00	√	1377	CZ4T17VZ3	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
	1800	80	103398.00	√	1377	CZ4T17VZ4	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	103399.00	√	1459	CZ4T17WZ7	38	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B5 Flange - Rigid Base - Three Phase - Totally Enclosed - B5 Flange With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	103408.00	√	1353	CZ4T17VZ18	30	208-230/460	1.3	70.5	1.15	9.50	S, US, 12
1/2-0.37	1800	80	103409.00	√	1396	CZ4T17VZ8	32	208-230/460	1.6	76.0	1.15	12.75	S, US, 12
3/4-0.55	1800	80	103410.00	√	1488	CZ4T17WZ10	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B5 Flange - Rigid Base - Three Phase - Totally Enclosed - B5 Flange With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	103400.00	√	1377	CZ4T17VZ15	31	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	80	103401.00	√	1521	CZ4T17VZ5	33	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	103402.00	√	1575	CZ4T17WZ8	39	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Washguard Motors

NEMA and IEC Washguard
All-Stainless DC Motors - SCR Rated

TEFC - SCR Rated 90 & 180V - NEMA - C Face With Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	109065.00	√	1299	4D17VK24	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	109066.00	√	1374	4D17VK25	44	90	115	3.8	12.81	S, US, 12
	1750	S56C	109067.00	√	1374	4D17VK26	44	180	230	1.9	12.81	S, US, 12
1/2	1750	S56C	109069.00	√	1605	4D17WK9	46	90	115	5.2	13.87	S, US, 13
	1750	S56C	109070.00	√	1605	4D17WK10	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	109072.00	√	1954	4D17WK13	47	90	115	7.5	15.37	S, US, 13
	1750	S56C	109073.00	√	1954	4D17WK14	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	109075.00	√	2267	4D17WK16	51	90	115	9.5	16.37	S, US, 13
	1750	S56C	109076.00	√	2267	4D17WK17	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable

♥ Note listing on inside back flap

Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V • NEMA - C Face Less Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	109078.00	√	1268	4D17VC5	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	109079.00	√	1343	4D17VC6	44	90	115	3.8	12.81	S, US, 13
	1750	S56C	109080.00	√	1343	4D17VC7	44	180	230	1.9	12.81	S, US, 13
1/2	1750	S56C	109082.00	√	1575	4D17WC2	46	90	115	5.2	13.87	S, US, 13
	1750	S56C	109083.00	√	1575	4D17WC3	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	109085.00	√	1924	4D17WC5	47	90	115	7.5	15.37	S, US, 13
	1750	S56C	109086.00	√	1924	4D17WC6	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	109088.00	√	2238	4D17WC8	51	90	115	9.5	16.37	S, US, 13
	1750	S56C	109089.00	√	2238	4D17WC9	50	180	230	5.0	16.37	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

LEESON®

Washguard Motors

Metric (IEC) Frame PMDC Motors

All-Stainless DC Motors - SCR Rated

TEFC - SCR Rated 90 & 180V - C Face With Base

HP/kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109068.00	√	1374	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109071.00	√	1605	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109074.00	√	1954	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109077.00	√	2267	4D17WK18	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable

♥ Note listing on inside back flap

Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - Metric (IEC) - All-Stainless Steel - C Face Less Base

HP/kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109081.00	√	1343	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109084.00	√	1575	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109087.00	√	1924	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109090.00	√	2238	4D17WC10	50	180	230	5.0	16.37	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Flange And Face Kits For DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	175593.00	173	2	160	110	9	130
80	175594.00	208	3	200	130	12	165
90S/90L	175594.00	208	3	200	130	12	165
100L/112M	175595.00	325	5	250	180	15	215

Specifications are subject to change without notice

♥ Note listing on inside back flap

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	175596.00	131	1	105	70	6	85
80	175597.00	131	1	120	80	6	100
90S/90L	175598.00	358	1	140	95	6	115
100L/112M	175599.00	325	2	160	110	6	130

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Washguard Motors

Extreme Duck Washguard All-Stainless Motors
Three Phase - Standard,
EPACT & NEMA Premium Ratings

General Specifications: These Revolutionary Designed Stainless Steel Motors are built using our "Voice of the customer" design.
criteria to withstand extreme washdown and sanitation requirements of the food processing, pharmaceutical, packaging and beverage industries. Our Innovative Hydro Sealed System "HS^2™" protects from the "outside-in" by reducing entrance points of contaminants and eliminates the need for drain plugs and breathers. This proven process also minimizes exterior hardware, which may trap application elements. Our unique Rotor/Cartridge Seal System, "Q-CAR™" gives quick access to the interior of the motor should the need arise. 300-Series Stainless Steel used on all exterior surfaces gives ideal protection against severe chemical-processing applications and frequent washdown processes using Salt water, Nitric Acids and Solvents.

Mechanical Protection Features:
- All exterior components are 300-Series stainless steel
- Protech Bearing isolator used for the output shaft seal
- Double Lip Viton shaft seal used on non-drive output shaft on TEFC motors
- Minimal exterior fasteners due to no through-bolt design and screw on conduit box covers reduces surface areas that may trap contaminants
- Double-sealed bearings are pre-lubricated with moisture resistant, high temperature grease for long life
- Rotor/Cartridge, "Q-CAR™," design for quick access to motor interior (patent pending).
- O-ring sealed openings on conduit box covers and Rotor/Cartridge cover
- Rigid Cast Base for rugged applications
- Conduit box lead hole location rotatable on TEFC designs
- Full fact nameplate is laser etched to the motor frame making frame surface smooth, which eliminates areas that trap contaminants
- Ease of clean construction is BISSC certified for bakery applications and motors meet Pharmaceutical Duty specifications
- IP 56 Enclosure protection

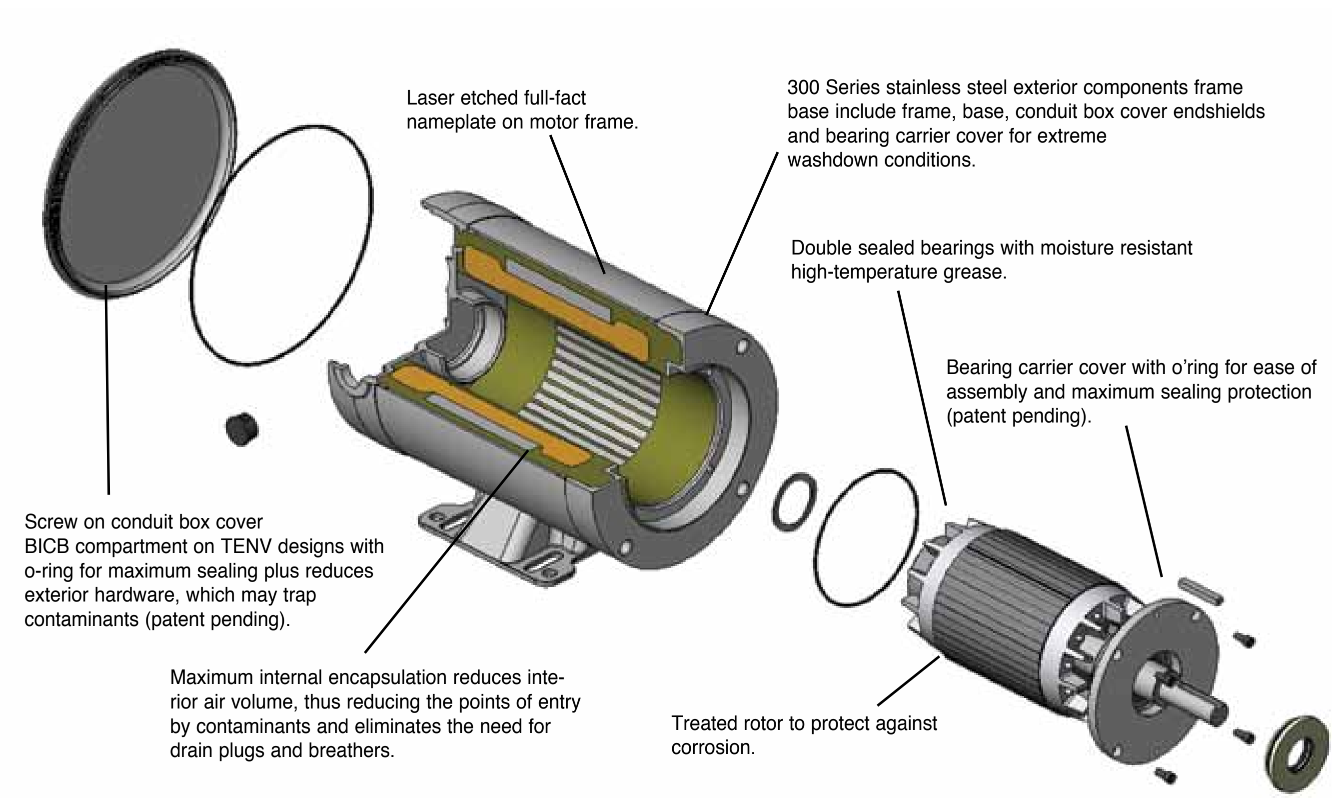
Electrical Performance and Protection Features:
- Motors meet EPACT mandates for non-exempt motors when tested without shaft seals
- Total winding encapsulation using an Epoxy Resin
- LEESON's exclusive IRIS™ Inverter-Rated Insulation System provides extra protection and long life, especially when used in applications driven by an Inverter
- 3 year warranty
- 10:1 constant torque operation

Standards and Approvals
- Motors are UL component recognized – file number E57948, guide number PRGY2
- CSA Energy Efficiency Verification Program, report number EEV 78720-1
- Construction is CSA Certified for safety, report number LR33543 and listed under BISSC authorization number 769

Washguard Motors

Extreme Duck Washguard All-Stainless Motors
Three Phase - Standard, EPACT & NEMA Premium

ExtremeDuck



Washguard Motors

Extreme Duck Washguard All-Stainless Motors

Three Phase - Standard, EPACT & NEMA Premium Ratings

IEC B5 Flange - Rigid Base - Three Phase - Totally Enclosed - B5 Flange With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56C	117118.00	√	1439	CZ6T34VK16	39	208-230/460	1.6	82.5	1.15	10.47	S, US, 12
	1800	S56C	103411.00	√	1422	CZ4T17VK1	33	208-230/460	1.6	76.0	1.15	11.49	S, US, 12
	1800	56C	117119.00	√	1513	CZ6T17VK43	40	208-230/460	1.6	78.5	1.15	10.72	S, US, 12
3/4	3600	56C	117120.00	√	1488	CZ6T34VK17	46	208-230/460	2.4	84.0	1.15	10.47	S, US, 12
	1800	S56C	103412.00	√	1513	CZ4T17WK2	39	208-230/460	2.3	77.0	1.15	12.50	S, US, 13
	1800	56C	117121.00	√	1571	CZ6T17VK44	47	208-230/460	2.3	80.0	1.15	11.22	S, US, 12
1	3600	56C	117122.00	√	1598	CZ6T34VK18	48	208-230/460	2.6	85.5	1.15	10.97	S, US, 12
	1800	56C	117123.00	√	1608	CZ6T17VK45	50	208-230/460	3.0	81.5	1.15	11.97	S, US, 12
1 1/2	3600	143TC	121879.00	√	1814	CZ143T34WK8	54	208-230/460	4.0	84.0	1.15	11.75	S, US, 13
	3600	143TC	G121748.00	√	1697	CZ143T34WK4	54	208-230/460	4.0	82.5	1.15	11.00	S, US, 13
	1800	56C	117296.00	√	1690	CZ6T17WK30	56	208-230/460	4.4	84.0	1.15	11.69	S, US, 13
	1800	145TC	121880.00	√	1808	CZ143T17WK13	56	208-230/460	4.4	86.5	1.15	12.75	S, US, 13
	1800	145TC	G121749.00	√	1690	CZ143T17WK8	56	208-230/460	4.4	84.0	1.15	11.25	S, US, 13
2	3600	145TC	121881.00	√	2096	CZ145T34WK19	56	208-230/460	5.2	85.5	1.15	12.75	S, US, 13
	3600	145TC	G121739.00	√	1959	CZ145T34WK10	56	208-230/460	5.2	84.0	1.15	12.50	S, US, 13
	1800	56C	117299.00	√	1981	CZ6T17WK29	57	208-230/460	5.6	84.0	1.15	12.69	S, US, 13
	1800	145TC	121882.00	√	2119	CZ145T17WK34	57	208-230/460	5.6	86.5	1.15	13.25	S, US, 13
	1800	145TC	G121740.00	√	1981	CZ145T17WK25	57	208-230/460	5.6	84.0	1.15	12.50	S, US, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

IEC B5 Flange - Rigid Base - Three Phase - Totally Enclosed - B5 Flange With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48C	103417.00	√	1443	CZ4T17VC8	30	208-230/460	1.3	9.58	1.15	9.58	S, US, 12
1/2	3600	56C	117126.00	√	1410	CZ6T34VC19	38	208-230/460	1.6	10.47	1.15	10.47	S, US, 12
	1800	48C	103418.00	√	1502	CZ4T17VC2	32	208-230/460	1.6	11.33	1.15	11.33	S, US, 12
	1800	S56C	103413.00	√	1336	CZ4T17VC1	32	208-230/460	1.6	11.49	1.15	11.49	S, US, 12
	1800	56C	117127.00	√	1485	CZ6T17VC53	39	208-230/460	1.6	10.72	1.15	10.72	S, US, 12
3/4	3600	56C	117128.00	√	1459	CZ6T34VC20	45	208-230/460	2.4	10.47	1.15	10.47	S, US, 12
	1800	S56C	103414.00	√	1416	CZ4T17WC2	38	208-230/460	2.3	12.50	1.15	12.50	S, US, 13
	1800	56C	117129.00	√	1544	CZ6T17VC54	46	208-230/460	2.3	11.22	1.15	11.22	S, US, 12
1	3600	56C	117130.00	√	1569	CZ6T34VC21	47	208-230/460	2.6	10.97	1.15	10.97	S, US, 12
	1800	56C	117131.00	√	1581	CZ6T17VC55	50	208-230/460	3.0	11.69	1.15	11.69	S, US, 12
11/2	3600	143TC	121908.00	√	1784	CZ143T34WC6	53	208-230/460	4.0	11.75	1.15	11.75	S, US, 13
	3600	143TC	121750.00	√	1669	CZ143T34WC2	53	208-230/460	4.0	11.00	1.15	11.00	S, US, 13
	1800	56C	117297.00	√	1663	CZ6T17WC32	55	208-230/460	4.4	11.69	1.15	11.69	S, US, 13
	1800	145TC	121909.00	√	1779	CZ143T17WC11	55	208-230/460	4.4	12.75	1.15	12.75	S, US, 13
	1800	145TC	121751.00	√	1663	CZ143T17WC5	55	208-230/460	4.4	11.25	1.15	11.25	S, US, 13
2	3600	145TC	121910.00	√	2067	CZ145T34WC18	55	208-230/460	5.2	12.75	1.15	12.75	S, US, 13
	3600	145TC	121742.00	√	1933	CZ145T34WC10	55	208-230/460	5.2	12.50	1.15	12.50	S, US, 13
	1800	145TC	121743.00	√	1954	CZ145T17WC22	56	208-230/460	5.6	12.50	1.15	12.50	S, US, 13
	1800	145TC	121911.00	√	2090	CZ145T17WC36	56	208-230/460	5.6	13.25	1.15	13.25	S, US, 13
	1800	56C	117298.00	√	1954	CZ6T17WC33	56	208-230/460	5.6	12.69	1.15	12.69	S, US, 13

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Features Comparison





Feature	White Duck	Super Duck	SST Duck	Stainless Duck	Extreme Duck
Sealed Bearings	■	■	■	■	■
Potted Lead Entrance					■
Complete Motor Encapsulation					■
Nameplate Etched in Frame	■	■	■	■	■
Interior Corrosion Protected	■	■	■	■	
Motor Breathe Plugs/Drain Plugs	■	■	■	■	Not Needed for total encapsulation
Internally Locked Shaft-End Bearing	■	■	■	■	■
Shaft Seals on Both Ends of TEFC Motors	■	■	■	■	■
Viton® Seals Between Endbells and Frame				■	■
UL, CSA Listed	■	■	■	■	■
60Hz and 50Hz Data on Nameplate	■	■	■	■	■
CE Mark on Nameplate	■	■	■	■	■
O-Ring Sealed Openings				■	■
Standard Motors Include Inverter-Rated Insulation System and Marked on Name-plate—1HP and Higher	■	■	■	■	■
Local Inventory Support	■	■	■	■	
Rotor Cartridge Change-Out				■ ①	■
BISSC Approved		■			■
3-Year Warranty	■ ②	■ ②	■ ②	■ ②	■
Screw On Conduit Box Cover				■ ①	■
Pump Motor Designs	■			■	
Breakmotor Designs	■			■	
DC Motors Available	■			■	
Metric Designs Available				■	

① 56/143/145T Frame Ratings ② Premium Efficient Motors

Automotive Duty Motors
Pump Motors
Washguard Motors
Agricultural Motors
HVAC / Fan Motors
Special Voltage Motors
Definite Purpose Motors
Brake Motors
IEC Motors

Agricultural Duty Motors - General Purpose & Definite Purpose



- Gasketed capacitor cases and conduit box covers
- Meets or exceeds NEMA service factors
- Single phase and three phase designs
- Double sealed ball bearings
- Double shielded ball bearings on Ag fan motors
- Condensate drains on general purpose Ag motors
- Low temperature manual overload protected
- High and extra high starting torque ratings
- UL recognized component listing and CSA certified
- 1-year warranty

Applications:

For use where exposure to water, dust and dirt exists. Ideally suited for use Farm / Ag equipment such as feeders, conveyors, fans, grain elevators, silo unloaders, and other demanding farm duty equipment.

Agricultural Duty Motors

High Torque - General Purpose

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	113256.00	√	449	M6C17FB66	20	115/208-230	Man.	3.2	1.15	10.81	S, US,
	1800	56	LM24789	√	453	SRF4S0.33T1C6028AP7TP1	24	115/208-230	Man.	3.3	1.15	12.82	S, MX
1/2	1800	56	110086.00	√	523	M6C17FB11	22	115/208-230	Man.	4.4	1.15	10.81	S, US,
	1800	56	LM24790	√	532	SRF4S0.5T1C6028AP7TP1	25	115/208-230	Man.	4.4	1.15	11.82	S, MX
3/4	1800	56	110087.00	√	618	M6C17FB9	26	115/208-230	Man.	5.4	1.15	11.31	S, US,
	1800	56	LM24791	√	626	SRF4S0.75T1C6028AP7TP1	30	115/208-230	Man.	5.5	1.15	12.32	S, MX
1	1800	56	110088.00	√	710	M6C17FB10	30	115/208-230	Man.	7.0	1.15	11.81	S, US,
	1800	56	LM24792	√	715	SRF4S1T1C6028AP7TP1	32	115/208-230	Man.	6.7	1.15	12.82	S, MX
	1800	143T	121569.00	√	715	M143C17FB13	30	115/208-230	Man.	7.0	1.15	12.75	S, US,
	1800	143T	LM24793	√	732	SSF4S1T1C6028AP7TP1	35	115/208-230	Man.	6.7	1.15	12.87	S, MX
1 1⁄2	1800	56H	110089.00	√	793	M6K17FB3	41	115/208-230	Man.	8.6	1.15	12.61	S, US,
	1800	56H	LM24794	√	807	SRF4S1.5T1B6028AP7TP1	41	115/208-230	Man.	7.6	1.15	13.82	S, MX
	1800	56HZ	113938.00	√	806	M6K17FB39	39	115/208-230	Man.	8.6	1.15	13.25	S, US, 3, 53
	1800	145T	LM24795	√	807	SSF4S1.5T1B6028AP7TP1	42	115/208-230	MAN	7.6	1.15	13.87	S, MX
2	1800	56HZ	110090.00	√	1136	M6K17FB4	43	230	Man.	9.2	1.15	13.75	S, US, 3, 53
	1800	182T	131541.00	√	1211	P182C17FB12	50	115/208-230	Man.	12.4	1.15	14.46	S, MX
	1800	182T	LM24796	C/A	1149	SS182F4S2T1C6027AP7TP1	64	115/208-230	Man.	12.4	1.15	14.46	S, MX
3	1800	184T	131542.00	√	1269	P184C17FB13	83	230	Man.	19.0	1.15	16.46	S, MX
	1800	184T	LM24797	√	1237	SS184F4S3T1C66AP7TP1	92	230	Man.	19.0	1.15	16.46	S, MX
5	1800	184T	131543.00	√	1590	P184K17FB16	96	230	Man.	20.5	1.15	17.46	S, MX, 53
	1800	184T	LM24798	√	1618	SSF4S5T1B66AP71TP1	90	230	Man.	20.5	1.15	17.46	S, MX, 53
7 1⁄2	1800	215T	140707.00	√	1900	P215K17FB15	144	230	Man.	32.0	1.15	20.21	S, MX, 53
	1800	215T	LM24799	√	1996	SS215F4S7.5T1B66AP71TP1	130	230	Man.	30.0	1.15	21.09	S, MX, 53
10	1800	215T	140706.00	√	2225	P215K17FB16	152	230	Man.	40.0	1.15	20.71	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Agricultural Duty Motors

ECO-Ag - Premium Efficient Farm Duty Motors

Features:
- Up-to 22% higher efficiency than standard Ag Motors
- Sealed bearings
- Shaft flinger
- High starting torque
- Manual overload protected
- Condensation drains

Single Phase - TEFC - Rigid Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	117689.00	√	493	M6K17FB56	27	115/208-230	Man.	1.7	76.0	1.15	10.99	S, US, 53
1/2	1800	56	117690.00	√	565	M6K17FB57	30	115/208-230	Man.	2.5	78.0	1.15	11.49	S, US, 53
3/4	1800	56	117691.00	√	679	M6K17FB60	35	115/208-230	Man.	3.2	82.0	1.15	11.99	S, US, 53
1	1800	56	117692.00	√	765	M6K17FB58	37	115/208-230	Man.	4.2	83.0	1.15	12.49	S, US, 53
	1800	143T	121973.00	√	775	M143K17FB3	38	115/208-230	Man.	4.2	83.0	1.15	12.93	S, US, 53
1 1/2	1800	56H	117693.00	√	872	M6K17FB59	43	115/208-230	Man.	6.5	84.0	1.15	13.49	S, US, 53
	1800	145T	121974.00	√	886	M143K17FB4	44	115/208-230	Man.	6.5	84.0	1.15	13.93	S, US, 53
2	1800	145T	121975.00	√	1200	M145K17FB29	49	230	Man.	8.2	85.0	1.15	14.43	S, US, 53

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase Ag Duty Motors - Eco-Ag Designs

Features:
- Premium efficient designs
- Double sealed ball bearings
- Shaft flingers
- Normally closed thermostat protected
- Weep holes provide condensation drains

Three Phase - TEFC - Rigid Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	117772.00	√	550	C6T17TB163	30	208-230/460	T-stat	1.8	77.0	1.15	11.31	S, US
3/4	1800	56	117759.00	√	602	C6T17FB160A	31	208-230/460	T-stat	2.4	81.5	1.15	11.312	S, US
1	1800	56	117760.00	√	737	C6T17FB161A	32	208-230/460	T-stat	3.2	85.5	1.15	12.81	S, US
1 1/2	1800	56H	117761.00	√	752	C6T17FB162A	34	208-230/460	T-stat	4.8	86.5	1.15	13.31	S, US
1 1/2	1800	145T	121997.00	√	764	C145T17FB98A	35	208-230/460	T-stat	4.8	86.5	1.15	13.75	S, US
2	1800	145T	121998.00	√	795	C145T17FB99A	45	208-230/460	T-stat	5.8	86.5	1.15	14.76	S, US
3	1800	184T	132328.00	√	898	C182T17FB54A	80	208-230/460	T-stat	7.8	89.5	1.15	14.96	S, MX
5	1800	184T	132329.00	√	986	C184T17FB67A	94	208-230/460	T-stat	12.8	89.5	1.15	15.96	S, MX
7 1/2	1800	213T	141145.00	√	1264	C213T17FB22A	144	208-230/460	T-stat	21.4	91.7	1.15	18.7	S, MX
10	1800	215T	141146.00	√	1527	C215T17FB23A	161	208-230/460	T-stat	29.0	91.7	1.15	19.7	S, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
2	1800	182T	131541.00	√	1211	P182C17FB12	50	115/208-230	Man.	12.4	1.15	14.46	S, MX
	1800	182TZ	LM24800	C/A	1134	SS182F4S2TZ1C6027AP8TP-1	67	115/230	Man.	12.8	1.15	15.31	S, MX
3	1800	184T	131542.00	√	1269	P184C17FB13	83	230	Man.	19.0	1.15	16.46	S, MX
	1800	184T	LM24801	C/A	1299	SS184F4S3T1C66AP8TP1	85	230	Man.	18.0	1.15	16.81	S, MX
5	1800	184T	LM24802	√	1561	SSF4S5TB6008AP8TP1	125	208-230	Man.	22.5	1.15	17.36	S, MX
	1800	215T	140203.00	√	1902	P215K17FB3	119	230	Man.	24.0	1.15	18.71	S, MX, 53
	1800	215TZ	140223.00	√	1937	P215K17FB5	150	230	Man.	24.0	1.15	18.71	S, MX, 4, 53
	1800	213TZ	LM24803	√	1940	SS213F4S5TZB66AP8TP1-1	126	230	Man.	22.6	1.15	18.34	S, MX, 53
7 1⁄2	1800	215T	140130.00	√	2071	P215K17FB2	144	230	Man.	33.6	1.15	20.21	S, MX, 53
	1800	215TZ	140209.00	√	2232	P215K17FB4	141	230	Man.	33.6	1.15	20.21	S, MX, 4, 53
	1800	215TZ	LM24804	√	2114	SS215F4S7.5TZ1B66AP8TP1-1	125	230	Man.	30.5	1.15	21.09	S, MX, 53
10	1800	215T	140414.00	√	2427	P215K17FB6	156	230	Man.	40.0	1.15	20.71	S, MX, 53
	1800	215T	LM24805	√	2384	SSF4S10T1B66AP8TP1	150	230	Man.	30.5	1.0	21.09	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

High Torque - C Face Less Base

Single Phase - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	113290.00	√	594	M6C17FC59	28	115/208-230	Man.	3.2	1.15	10.81	S, US,
1/2	1800	56C	110492.00	√	680	M6C17FC12	22	115/208-230	Man.	4.4	1.15	10.81	S, US,
3/4	1800	56C	110493.00	√	796	M6C17FC13	29	115/208-230	Man.	5.4	1.15	11.31	S, US,
1	1800	56C	110494.00	√	903	M6C17FC14	33	115/208-230	Man.	7.0	1.15	11.81	S, US,
1 1⁄2	1800	56C	110495.00	√	1026	M6K17FC3	43	115/208-230	Man.	8.6	1.15	12.31	S, US, 53
2	1800	145TC	120855.00	√	1332	M145K17FC13	45	230	Man.	9.2	1.15	13.75	S, US, 53
3	1800	184TC	131603.00	√	1807	P184C17FC5	104	230	Man.	19.0	1.15	16.47	S, MX,
5	1800	184TC	131602.00	√	2216	P184K17FC7	104	230	Man.	20.5	1.15	17.47	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

High Torque - C-Face With Base

Single Phase - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	116485.00	√	616	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US,
1/2	1800	56C	116486.00	√	706	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US,
3/4	1800	56C	116487.00	√	822	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US,
1	1800	56C	116488.00	√	933	M6C17FK78	34	115/208-230	Man.	7.0	1.15	11.81	S, US,
1 1⁄2	1800	56HC	116489.00	√	1051	M6K17FK47	44	115/208-230	Man.	8.6	1.15	12.81	S, US, 53
2	1800	145TC	121625.00	√	1339	M145K17FK11	46	230	Man.	9.2	1.15	13.75	S, US, 53
3	1800	184TC	131994.00	√	1841	P184C17FK10	105	230	Man.	19.0	1.15	16.47	S, MX,
5	1800	184TC	131995.00	√	2227	P184K17FK13	105	230	Man.	20.5	1.15	17.47	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Agricultural Duty Motors

Fan Duty - Single and Three Phase

Two-Winding Variable Torque PSC Type For Shaft Mounted Fan Application

Features:

- PSC designs offer low in-rush current
- Two speed operation - most ratings
- Automatic overload protected
- Resilient mount for quiet operation
- Corrosion resistant finish

Single Phase - PSC - Variable Torque - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Z	100803.00	√	429	A4P17NR1	19	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	48Z	100824.00	√	505	A4P11NR2	20	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	S56Z	100805.00	√	541	A4P11NJ1	22	115/230	Auto.	1.4	1.0	11.06	S, MX, 17, 34
1/3	1800	48Z	100804.00	√	462	A4P17NR2	21	115/230	Auto.	1.6	1.0	10.66	S, MX, 16, 34
	1800	S56H	100767.00	√	499	A4P17NJ1	22	115/230	Auto.	1.6	1.0	10.31	S, MX, 34
	1800	56HY	111348.00	√	499	A6P17NZ6	24	115/230	Auto.	1.7	1.0	13.44	S, US, 59
	1200	48Z	100825.00	√	585	A4P11NR3	25	115/230	Auto.	1.8	1.0	11.16	S, MX, 16, 34
	1200	S56HZ	100806.00	√	621	A4P11NJ2	27	115/230	Auto.	1.8	1.0	11.56	S, MX, 17, 34
1/2	1800	56HZ	111323.00	√	521	A6P17NR3	30	115/230	Auto.	2.6	1.0	12.56	S, US, 17, 34
	1800	S56H	100768.00	√	531	A4P17NJ2	36	115/230	Auto.	2.2	1.0	10.81	S, MX, 34
	1200	48Z	101645.00	√	684	A4P11NR6	33	115/230	Auto.	2.8	1.0	11.16	S, MX, 16, 34
	1200	56HZ	111321.00	√	672	A6P11NR1	37	115/230	Auto.	3.0	1.0	13.56	S, US, 17, 34
	900	48YZ	M099836.00	√	466	A4P8NR1	24	115/230	Auto.	3.0	1.0	11.55	S, MX, 19, 34, 50
	900	56HZ	111919.00	√	832	A6P8NR2	40	115/230	Auto.	3.2	1.0	13.56	S, US, 17, 34, 50
3/4	1800	56HZ	111324.00	√	770	A6P17NR4	34	115/230	Auto.	3.5	1.0	13.06	S, US, 17
	1800	56H	111266.00	√	770	A6P17NR1	36	115/230	Auto.	3.5	1.0	12.31	S, US,
	1200	56HZ	111322.00	√	794	A6P11NR2	44	115/230	Auto.	4.0	1.0	13.56	S, US, 17, 50
1	1800	56HZ	111267.00	√	808	A6P17NR2	39	115/230	Auto.	4.4	1.0	12.81	S, US,

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - PSC Type - Rigid Base - Totally Enclosed Air Over (TEAO)

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	101252.00	√	423	A4P17NB27	19	115/208-230	Auto.	1.5	1.0	10.90	S, MX, 50
	1800	48Y	100699.00	√	419	A4P17NB7	19	115/230	Auto.	1.4	1.0	10.65	S, MX
	1800	48Y	M099799.00	√	332	A4P17NB55	19	115/230	Auto.	1.5	1.0	10.79	S, MX
	1200	48Y	M099260.00	√	346	A4P11NB23	21	115/230	Auto.	1.2	1.0	10.83	S, MX
1/3	1800	48Y	M090253.00	√	342	A4P17NB54	22	115/230	Auto.	1.8	1.0	10.47	S, MX, 50
	1800	48Y	101253.00	√	489	A4P17NB28	22	115/208-230	Auto.	1.9	1.0	10.65	S, MX, 50
	1800	48Y	100700.00	√	485	A4P17NB8	22	115/230	Auto.	1.6	1.0	10.65	S, MX
	1800	56Y	111202.00	√	485	A6P17NZ1	24	115/230	Auto.	1.7	1.0	12.00	S, MX, 58
	1800	48Y	M099800.00	√	376	A4P17NB56	22	115/230	Auto.	1.8	1.0	10.79	S, MX
	1200	48Y	M099261.00	√	409	A4P11NB24	21	115/230	Auto.	1.5	1.0	11.34	S, MX
	1200	S56Y	100604.00	√	609	A4P11NH1	23	115/230	Auto.	1.8	1.0	11.40	S, MX
1/2	1800	S56Y	101176.00	√	517	A4K17NH2	26	115/230	Auto.	3.5	1.0	10.40	S, MX, 50, 54
	1800	48Y	100701.00	√	514	A4P17NB9	29	115/230	Auto.	2.5	1.0	12.15	S, MX
	1800	48Y	M099801.00	√	405	A4P17NB57	29	115/230	Auto.	2.5	1.0	10.79	S, MX
	1200	48Y	M099946.00	√	423	A4P11NB28	26	115/230	Auto.	2.5	1.0	11.81	S, MX
3/4	1200	56HZ	M099847.00	√	654	A6P11NB4	36	115/230	Auto.	3.6	1.0	13.56	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Agricultural Duty Motors

Agricultural Fan

Typically used in Poultry houses or barn exhaust fans

Features:

- TEAO designs - continuous duty
- Extended through bolts
- 1/2" dia. x 2 1/2" long shaft with flats, 90° apart
- Fully gasketed
- Automatic overload protected
- Must be mounted in airstream for proper cooling

Single Phase - PSC - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	LM24445	√	558	SPA4S0.25TZRY1A6027AP11-1	20	115/230	Auto.	1.8	1.0	11.06	S, MX
	1625	48Z	LM24447	√	432	SPA4S0.25TZRY1A6027AP10-1	17	115/230	Auto.	1.6	1.0	10.09	S, MX
	1075	48Z	LM24442	C/A	516	SPA6S0.25TZRY1A6027AP10-1	14	115/230	Auto.	1.6	1.0	10.09	S, MX
1/3	1625	48Z	LM24450	√	613	SPA4S0.33TZRY1A6027AP11-1	23	115/230	Auto.	1.9	1.0	11.81	S, MX
	1625	48Z	LM24448	√	475	SPA4S0.33TZRY1A6027AP10-1	17	115/230	Auto.	2.2	1.0	10.09	S, MX
	1075	48Z	LM24443	√	591	SPA6S0.33TZRY1A6027AP10-1	15	115/230	Auto.	2.1	1.0	10.84	S, MX
1/2	1625	48Z	LM24446	√	679	SPA4S0.5TZRY1A6027AP11-1	23	115/230	Auto.	2.7	1.0	11.81	S, MX
	1625	48Z	LM24449	√	526	SPA4S0.5TZRY1A6027AP10-1	21	115/230	Auto.	3.0	1.0	10.84	S, MX
	1075	48Z	LM24444	√	679	SPA6S0.5TZRY1A6027AP10-1	19	115/230	Auto.	3.2	1.0	10.84	S, MX

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Grain Dryer / Centrifugal Fan Motors

Used in Ag fan and blower applications.

Screens used to protect against entry of pests and and silage

Features:

- NEMA Premium and Epact efficiency
- Rodent Screens
- Re-greasable Bearings
- Cast Iron construction
- 1.25 Service Factor
- Class F insulation
- Inverter Duty Insulation System
- UL Recognized and CSA certified

Three Phase - Open Drip-Proof (ODP) - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	F.L. Eff.	"C" Dim. (Inches)	♥Notes
10	1800	215T	G151828.60	√	1052	C215T17DB54	168	208-230/460	25.0	89.5	16.75	C, CN
15	1800	254T	G151540.60	√	1548	C254T17DB12	265	208-230/460	37.6	91.0	21.89	C, CN
	1800	254T	170540.60	√	2007	C254T17DB45	279	208-230/460	37.0	93.0	20.94	C, CN
20	1800	256T	G151541.60	√	1925	C256T17DB7	307	208-230/460	48.0	91.7	23.54	C, CN
	1800	256T	170541.60	√	2448	C256T17DB10	324	208-230/460	51.0	93.0	22.60	C, CN
25	1800	284T	G151829.60	√	2105	C284T17DB11	388	208-230/460	59.6	91.7	23.54	C, CN
30	1800	286T	G151542.60	√	2681	C286T17DB12	434	208-230/460	72.0	92.4	26.57	C, CN
	1800	286T	170542.60	√	3296	C286T17DB13	471	208-230/460	71.0	93.6	25.00	C, CN

Green items are Premium Efficient

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Agricultural Duty Motors

Aeration Fan Motors

Features:

- Belt driven fans or fan on shaft applications
- Capacitor start designs
- Must be mounted in airstream for proper cooling
- Epoxy paint to resist corrosion
- Single-phase models have built-in terminal boards

Single Phase - Capacitor Start - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	111332.00	√	433	C6C34NB15	27	115/230	None	5.0	1.0	10.90	S, US, 22
1	3600	56	111333.00	√	514	C6C34NB16	29	115/230	None	6.0	1.0	10.90	S, US, 22
1½	3600	56	111949.00	√	664	C6C34NB19	32	115/230	None	8.5	1.0	11.40	S, US, 22
	3600	143TZ	120374.00	√	714	C143C34NB1	31	115/230	None	8.5	1.0	11.84	S, US, 22
2	3600	145TZ	120375.00	√	870	C145C34NB1	41	230	None	10.0	1.0	13.34	S, US, 23
3	3600	145T	120376.00	√	915	C145K34NB1	45	230	None	12.8	1.0	13.84	S, US, 23, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56Z	111334.00	√	443	C6T34NB18	21	208-230/460	2.4	1.0	9.90	S, US, 22
1	3600	56Z	111335.00	√	481	C6T34NB19	22	208-230/460	3.2	1.0	9.90	S, US, 22
1 1⁄2	3600	143TZ	120377.00	√	553	C143T34NB2	31	208-230/460	4.2	1.0	11.34	S, US, 22
2	3600	145TZ	120378.00	√	654	C145T34NB1	34	208-230/460	5.6	1.0	11.84	S, US, 22
3	3600	145T	120379.00	√	734	C145T34NB2	38	230/460	7.6	1.0	12.34	S, US, 23

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Agricultural Duty Motors

Crop Dryer Motors

Used on Crop Dryers with air over/fan on shaft designs

Features:

- Class "F" insulation system
- Overload protected
- Keyed shaft with 1/4-20 UNC tapped hole on end
- 34" long leads
- Capacitors shipped loose on 1-phase designs
- Motor venting protected against insects and rodents
- Double sealed ball bearings

Single Phase - Drip-Proof Air Over - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3-4.5	3600	145TZ	LM24778	√	1159	SSD2S3-4.5TZ1B66QS10-1	46	230	Auto	13.0-19.0	1.5	13.74	S, MX
5 - 7	3600	182TZ	131847.00	√	1361	C182C34DB2	91	230	T-Stat	27.2-35.0	1.0	16.44	S, MX
	3600	184TZ	LM24779	C/A	1430	SS18D2S5-7TZ1C66QS11-1	76	230	T-Stat	27.2-35	1.0	14.50	S, MX
7.5-10	3600	182TZ	131848.00	√	1513	C182K34DB4	95	230	T-Stat	31.0-42.0	1.0	16.44	S, MX
7-10	3600	184TZ	LM24780	√	1897	SSD2S7-10TZ1B66QS11-1	102	230	T-Stat	31-42	1.4	15.94	S, MX
7-9	3600	184TZ	LM24781	C/A	1536	SSD2S7-9TZ1C66QSS11-1	88	230	T-Stat	31-42	1.3	15.50	S, MX
10 - 15	3600	215TZ	140640.00	√	2326	C215K34DB2	159	230	T-Stat	39.5-61.5	1.0	20.42	S, MX
	3600	215TZ	LM24782	√	2410	SS215D2S10-15TZ1C66QS11-1	135	230	T-Stat	39.5-61.5	1.5	18.16	S, MX
	3600	215TZ	141084.00	√	2326	C215K34DB3	159	230	T-Stat	40.0	1.0	20.08	S, MX, 52

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Three Phase - Drip-Proof Air Over - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
5-7.5	3600	184TZ	131849.00	√	1102	C184T34DB8	70	208-230/460	T-Stat	19.0	1.0	13.94	S, MX
	3600	184TZ	LM24783	C/A	1207	SS184D2S5-7TZ6029QS12-1	70	208-230/460	T-Stat	18.0	1.0	14.71	S, MX
7.5-10	3600	184TZ	131850.00	√	1287	C184T34DB9	85	208-230/460	T-Stat	24.2	1.0	15.44	S, MX
	3600	184TZ	LM24784	C/A	1281	SSD2S7-10TZ6029QS12-1	83	208-230/460	T-Stat	19.0	1.0	14.22	S, MX
10 - 15	3600	215TZ	140641.00	√	1553	C215T34DB3	95	208-220/440	T-Stat	40.0	1.5	17.41	S, MX
	3600	215TZ	LM24785	C/A	1689	SS215D2S10-15TZ6029QS12-1	115	208-220/440	T-Stat	26.0	1.0	17.41	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Grain Stirring Motors

Used in Grain stirring systems inside grain bins

Features:
- TEFC, continuous duty
- High torque designs
- Rugged 205 bearing, shaft end
- Vertical shaft up design with drain hole
- 7/8" Dia. Shaft

Single Phase - Rigid Base - TEFC

HP	SYN RPM 60 Hz	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	56HZ	111330.00	√	845	P6K17FB18	42	115/208-230	Man.	8.6	1.00	12.31	S, US, 53
	1800	56HZ	LM24521	√	847	SRF4S1.5TZ1B6028AP9-2	47	115/208-230	Man.	7.6	1.15	13.21	S, US, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - Rigid Base - TEFC

HP	SYN RPM 60 Hz	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1 1/2	1800	56HZ	111329.00	√	859	M6T17FB49	38	208-230/460	5.4	80.0	1.00	11.81	S, US, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Catfish Pond Motors

Designed for outdoor pond aeration applications

Features:
- High torque designs
- Epoxy painted for corrosion protection
- Double sealed ball bearings
- Drain holes provided to purge condensation

Single Phase and Three Phase - C Face With Base - TEFC

HP	SYN RPM 60 Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	Phase	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
10	1800	215TC	140705.00	√	2569	P215K17FK5	204	230	Man.	1	40.0	1.15	20.71	S, MX,
	1800	215TC	140833.00	√	1546	C215T17FK19	169	208-230/460	None	3	23.6	1.15	19.70	S, MX,

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Irrigation Booster Pump Motors

Used in agricultural duty irrigation systems

Features:
- Threaded jet pump motor shaft
- Vertical Shaft down design
- Rain canopy provided
- Epoxy painted for corrosion protection
- Neoprene shaft flinger

Three Phase - Irrigation Booster - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
2	3600	56J	112991.00	√	824	A6T34FC33	33	460	84.0	1.5	14.34	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Irrigation Drive Motors

Features:
- Double-sealed ball bearings
- Designed for vertical shaft down applications
- Rain canopy protects against water contamination

Three Phase - C Face Less Base - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	1800	56C	111304.00	√	796	A6T17FC33	30	460	75.0	1.25	12.34	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Milk Transfer Pump Motor

Features:
- Direct replacement for Surge milk pumps
- Double sealed ball bearings
- Epoxy painted for corrosion protection
- Permanent split capacitor design
- Requires 30 MFD, 370 V. capacitor - not supplied

Single Phase - Rigid Base - TENV

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	3600	56CZ	113939.00	√	553	C6P34NK5	42	230	4.5	SPEC	13.07	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Agricultural Duty Motors

Feed-Auger Drive Motors - Dust Tight

Replacement motors for poultry feed auger drive systems

Features:
- Choice of mechanical or solid state starting switch
- Mechanical switch has over-speed protection
- Manual overload protected

Single Phase - TEFC - 60 Hertz

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48YZ	101159.00	√	564	P4C17FZ11	21	115/230	Man.	3.1	1.0	10.47	S, MX, 26
	1800	48YZ	101435.00	√	542	M4C17FZ16	21	115/230	Man.	3.1	1.0	10.47	S, MX, 26, 51
	1800	48N	LM24462	√	545	SPA4S0.33TADN1C6027TP1	23	115/230	Man.	2.5	1.5	11.31	S, MX, 26, 51
1/2	1800	48YZ	101120.00	√	635	P4C17FZ7	22	115/208-230	Man.	4.0	1.15	10.72	S, MX, 26
	1800	48YZ	101436.00	√	621	M4C17FZ17	22	115/208-230	Man.	4.0	1.15	10.47	S, MX, 26, 51
	1800	48N	LM24463	√	621	SPA4S0.5TADN1C6027TP1	23	115/230	Man.	3.4	1.0	11.81	S, MX, 26, 51
3/4	1800	48YZ	101119.00	√	742	P4C17FZ6	24	115/208-230	Man.	5.4	1.0	11.47	S, MX, 26
	1800	48YZ	101437.00	√	639	M4C17FZ18	28	115/230	Man.	5.4	1.0	11.47	S, MX, 26, 51
	1800	48N	LM24812	√	644	SRF4S0.75TZADN1C6028TP1-1	31	115/208-230	Man.	5.5	1.0	12.59	S, MX, 26, 51
1	1800	56YZ	112615.00	√	822	P6C17FZ27	35	115/230	Man.	7.0	1.0	12.11	S, MX, 26
	1800	56YZ	113302.00	√	801	M6C17FZ31	35	115/208-230	Man.	7.0	1.0	12.61	S, MX, 26, 51
	1800	56NZ	LM24813	√	801	SRF4S1TZADN1C6028TP-1	32	115/208-230	Man.	6.7	1.0	13.39	S, MX, 26, 51
1 1/2	1800	56YZ	113280.00	√	1365	P6K17FZ6	47	115/208-230	Man.	6.5	1.0	13.62	S, MX, 27, 53
	1800	56YZ	113301.00	√	1347	M6K17FZ7	44	115/230	Man.	6.5	1.0	13.62	S, MX, 27, 51, 53
	1800	56NZ	LM24814	√	1348	SRF4S1.5TZADN1C6028TP1-1	41	115/208/230	Man.	7.6	1.0	14.38	S, MX, 27, 51, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase - TEFC - 50 Hertz

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 220 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	48YZ	101643.00	C/A	687	M4C14FZ5	26	110/220	Man.	4.0	1.0	11.47	S, MX, 26, 51
3/4	1800	48YZ	101644.00	√	738	M4C14FZ6	30	110/220	Man.	5.8	1.0	12.22	S, MX, 26, 51
1	1800	56YZ	113906.00	√	897	M6C14FZ8	39	110/220	Man.	6.4	1.0	12.61	S, MX, 27, 51
1 1/2	1800	56YZ	113907.00	√	1500	P6K14FZ2	48	110/220	Man.	8.6	1.0	13.61	S, MX, 27, 51

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Hatchery and Incubator Fan Motors

Replacement motors for hatchery and incubator fan motors

Features:
- Automatic overload protected
- 15 MFD, 370 V. capacitor shipped loose with motor 101341.00
- Motor 114102.00 is a split phase two-speed motor
- Double shielded ball bearings

Cat. No. 101341

Cat. No. 114102

Single Phase - TEAO

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	101341.00	√	427	A4P17NZ24	17	115/230	Auto.	1.4	1.00	8.93	S, US, 16, 34, 58
1/2-0.22	1800/1200	56H	114102.00	√	557	A6S46NR4	33	115	Auto.	9.3-5.6*	1.25	11.81	S, US

* Full Load amps are at high speed and low speeds, respectively at 115 volts

♥ Note listing on inside back flap

Specifications are subject to change without notice

Feather Picker Motors

Replacement motors used in Poultry feather picker machines

Features:
- Phosphatized or stainless steel shafts drilled and tapped metric shafts
- Epoxy painted for corrosion protection
- Washdown duty features including shaft seals
- USDA approved food-safe paint
- Extra high breakdown torques

Three Phase - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
2	1800	145T	121934.00	√	883	C145T17FB87	54	208-230/460	7.0	86.5	1.25	14.76	S, US
2	1200	184TZ	132246.00	√	1346	C184T11FB24	96	230/460	7.2	88.5	1.5	15.96	S, MX
2/1.5	1200	112M	132247.00	√	1408	C184T11FB25	96	230/460	7.2	88.5	1.5	15.96	S, MX, 29
3	1800	56HZ	115751.00	√	995	C6T17FB113	45	208-230/460	8.6	82.5	1.0	14.25	S, US, 5
	1800	145T	121944.00	√	995	C145T17FB92	45	230/460	8.6	82.5	1.0	14.25	S, US, 56

Green items are Premium Efficient

♥ Note listing on inside back flap

Note: Catalog Number 115751 has a 303 stainless steel shaft.

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Industry-AG • High Torque

General Purpose, heavy duty for industrial and agriculture applications

Features:
- Manual overload protected
- Double sealed ball bearings
- Weather resistant reset button protection
- Capacitor start provides high starting torque

Rigid Base - 115-208/230V - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	M002256.00	√	435	M6C17FB142	24	115-208/230	Man.	2.9	1.15	11.00	S, CN
1/2	1800	56	M009086.00	√	514	M6C17FB143	27	115-208/230	Man.	3.9	1.15	11.00	S, CN
3/4	1800	56	M009087.00	√	599	M6C17FB144	30	115-208/230	Man.	5.0	1.15	11.50	S, CN
1	1800	56	M009088.00	√	630	M6C17FB145	34	115-208/230	Man.	6.8	1.15	11.50	S, CN
1 1⁄2	1800	56	M009089.00	√	746	M6K17FB49	41	115-208/230	Man.	9.0	1.00	12.88	S, CN
2	1800	56HZ	M009090.00	√	1063	M145K17FB27	48	230	Man.	9.5	1.00	14.00	S, CN

These motors use C Face Kit M064076.00

♥ Note listing on inside back flap

Specifications are subject to change without notice

C Face Less Base - 115-208/230 - TEFC

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	M002290.00	√	529	M6C17FC140	24	115-208/230	Man.	2.9	1.15	10.81	S, CN
1/2	1800	56C	M009492.00	√	580	M6C17FC141	27	115-208/230	Man.	3.9	1.15	10.81	S, CN
3/4	1800	56C	M009493.00	√	654	M6C17FC142	30	115-208/230	Man.	5.0	1.15	11.31	S, CN
1	1800	56C	M009494.00	√	680	M6C17FC143	34	115-208/230	Man.	6.8	1.15	11.81	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Agricultural Duty Motors

Variable Speed - High Performance AG Fan Motors

Designed for use in agricultural fan applications where variable speed is required

Features:

- Water-tight connection end compartment
- Locked double sealed ball bearings
- All angle mounting
- Shaft seal on output shaft end
- Automatic overload protected

Single Phase - TEAO - Rigid Base - Extended Thru-Bolts

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	M099899.00	√	328	A4P17NB58	18	115-208/230	Auto.	1.3	1.0	11.3	S, CN
	1200	48Y	M099460.00	√	354	A4P11NB25	21	115/208-230	Auto.	1.3	1.0	11.8	S, CN
1/3	1800	48Y	M099900.00	√	350	A4P17NB59	19	115-208/230	Auto.	1.8	1.0	11.3	S, CN
	1200	48Y	M099461.00	√	379	A48P11NB26	22	115/208-230	Auto.	1.9	1.0	11.8	S, CN
1/2	1800	48Y	M099901.00	√	388	A4P17NB60	22	115-208/230	Auto.	2.6	1.0	11.7	S, CN
	1200	48Y	M099462.00	√	413	A4P11NB27	25	115/208-230	Auto.	2.8	1.0	12.2	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

Agricultural Fan Motors - Belt Drive • TEAO

Designed for use in agricultural belted fan applications

Features:

- Capacitor start / Capacitor run designs for high efficiency
- Mount in airstream for proper cooling
- Combination 56 / 140 frame stamped steel base

High-Efficiency - Single-Phase

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	M009580.00	√	475	A6K17NB21	27	115/208-230	–	4.4	–	10.33	S, CN
3/4	1800	56H	M009581.00	√	503	A6K17NB15	30	115/208-230	Auto.	3.4	82	10.83	S, CN
1	1800	56H	M009782.00	√	524	A6K17NB17	37	115/208-230	Auto.	4.3	85	11.80	S, CN
1 1/2	1800	56H	M009594.00	√	625	A6K17NB16	39	115/208-230	Auto.	6.8	78	12.60	S, CN
2	1800	145T	M009595.00 *	√	694	M145K17NB1	47	230	Auto	9.5	82	12.80	S, CN

* Motor M009595 has a frame mounted conduit box.

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Agriculture Fan

115/230 Volts - Belt Drive - Overload Protection

Features:

- Capacitor start/capacitor run design
- Ball bearings
- LM24777 must be mounted in airstream

Single Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56Z	LM24776	√	669	SRN4S0.5TZ1B6027TP2-1	21	115/230	Auto	2.3	1.0	10.47	S, MX, 12, 53
1	1800	56Z	LM24777*	√	895	SRA4S1TZ1B6027TP2-1	32	115/230	Auto	4.6	1.0	10.72	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

* LM24777 is a TEAO design

Specifications are subject to change without notice

Agriculture Fan

Direct Drive Through-Bolt Mount

Features:

- 1/2" long through bolts
- 48Y - 1/2" dia., 1-1/2 long shaft with flat
- 48YZ - 1/2" dia., 2-1/2" long shaft with two flats

Single Speed - Single Phase - TEAO - Through Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Y	LM24488	√	407	SPN4S0.25TZNY1S6001TP1-1	10	115	Auto	4.0	1.0	7.62	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Two Speed - Single Phase - TEAO - Through Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725/1140	48YZ	LM24492	√	424	SPA4/6/1S0.25/0.25TZNY1S6001TP2-1	17	115	Auto	4.1	1.0	11.09	S, MX
1/3	1725/1140	48YZ	LM24491	√	477	SPA4/6/1S0.33/0.33TZNY1S6001TP2-1	18	115	Auto	5.3	1.0	11.34	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Agricultural Duty Motors

Agriculture Fan

Features:
- 115 & 230 Volts • Single Phase
- Extended through-bolts on 48Z frame motos
- 48Z - 1/2 dia. shaft, 2-1/2 long with two flats
- 56Z - 1/2 dia. shaft, 2-1/2" long shaft with keyway
- Includes 5/8" shaft adaptor sleeve with key

Single- Phase - TEAO - Reslient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Z	LM24487	C/A	424	SPA4S0.25TZRY1S6001TP2-1	17	115	Auto	3.5*	1.0	10.09	S, MX
1/3	1800	48Z	LM24486	√	477	SPA4S0.33TZRY1S6001TP2-1	21	115	Auto	4.5*	1.0	10.09	S, MX
1/2	1800	56Z	LM24809	C/A	645	SRA4S0.5TZR1S6027TP2-1	24	115/230	Auto	3.3	1.0	11.34	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

* Amps at 115 Volts

C/A - Check Availability

Specifications are subject to change without notice

Aeration Fan, HVAC
115 & 230 VOLTS • Single Phase

Features:
- Automatic overload protected
- Sealed bearings
- 18" extended leads
- Shaft has keyway and 1/4-20 UNC tapped hole on end of shaft

Single Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56Z	LM24786	√	518	SRA2S1TZ1C6027L10MB6TP2-1	29	115/230	Auto	5.6	1.15	10.94	S, MX
1 1/2	3600	143TZ	LM24787	√	588	SSA2S1.5TZ1C6027L10MB6TP2-1	35	115/230	Auto	8.4	1.15	11.49	S, MX
3	3600	145TZ	LM24788	√	724	SS145A2S3TZ1B66L10MB6TP2-1	52	230	Auto	11.8	1.15	13.49	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

HVAC – Fan Motors



- Various voltages and mounting types available
- Single and three phase fan duty motors
- Rigid base, resilient base, pedestal base, belly band mount and extended thru-bolt mount types
- Drip-Proof, TEFC, TEAO and DPAO designs
- General purpose duty
- Agricultural duty
- UL recognized and CSA certified

Applications:

Ideally suited for a variety of fan applications requiring the motor to either be mounted in or out of the air stream for proper ventilation. Some motors have an epoxy finish for harsh applications and other motors have a baked on enamel finish. Industrial, commercial and agricultural fan motors available.

Resilient Base Motors - Single Phase
General Purpose or Fan & Blower Service - Moderate Starting Torque

General Specifications:
- Drip-proof and totally enclosed designs
- Industrial quality, resilient (cradle) mounted
- Capacitor start-type
- Ball bearing designs
- Moderate starting torque to reduce machinery stresses
- Suitable for belt-driven fans or fan-on-shaft applications

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	3600	48	101434.00	√	301	A4C34DR8	16	115/208-230	Auto.	2.0	1.0	9.39	S, MX
	1800	48	100109.00	√	353	A4C17DR1	17	115/208-230	Auto.	2.7	1.35	9.89	S, MX
	1800	48	100111.00	√	305	A4C17DR3	17	115/208-230	Auto.	2.7	1.0	9.89	S, MX
	1800	48	102963.00	√	353	A4C17DR47	17	277	Auto.	2.2*	1.35	9.89	S, MX
1/3	3600	48	101431.00	√	309	A4C34DR11	17	115/208-230	Auto.	2.3	1.0	9.39	S, MX
	1800	48	100110.00	√	432	A4C17DR2	18	115/208-230	Auto.	3.3	1.35	9.89	S, MX
	1800	48	101015.00	√	353	A4C17DR31	18	115/208-230	Auto.	3.3	1.0	9.89	S, MX
	1800	S56	100014.00	√	407	C4C17DJ5	19	115/208-230	None	3.3	1.35	10.31	S, MX
	1800	S56	100010.00	√	432	A4C17DJ2	18	115/208-230	Auto.	3.3	1.35	10.31	S, MX
	1800	S56	100063.00	√	353	A4C17DJ9	19	115/208-230	Auto.	3.3	1.0	10.31	S, MX
	1800	S56	102964.00	√	432	A4C17DJ72	18	277	Auto.	2.8*	1.35	10.31	S, MX
1/2	3600	48	101432.00	√	341	A4C34DR10	20	115/208-230	Auto.	3.4	1.0	9.89	S, MX
	1800	S56	100015.00	√	439	C4C17DJ6	21	115/208-230	None	4.4	1.25	10.81	S, MX
	1800	S56	100045.00	√	420	M4C17DJ17	20	115/208-230	Man.	4.4	1.0	10.81	S, MX
	1800	S56	101611.00	√	465	A4C17DJ57	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX, 32
	1800	S56	100011.00	√	465	A4C17DJ3	22	115/208-230	Auto.	4.4	1.25	10.81	S, MX
	1800	S56	100064.00	√	422	A4C17DJ10	20	115/208-230	Auto.	4.4	1.0	10.81	S, MX
	1800	S56	102965.00	√	465	A4C17DJ74	22	277	Auto.	3.7*	1.25	10.81	S, MX
3/4	3600	48	101433.00	√	402	A4C34DR9	22	115/208-230	Auto.	4.8	1.0	10.39	S, MX
	3600	S56H	100603.00	√	428	A4C34DJ7	26	115/208-230	Auto.	4.9	1.25	11.31	S, MX
	1800	S56H	100016.00	√	551	C4C17DJ7	26	115/208-230	None	5.4	1.25	11.81	S, MX
	1800	S56H	100046.00	√	575	M4C17DJ18	26	115/208-230	Man.	5.4	1.25	11.81	S, MX
	1800	S56H	100047.00	√	481	M4C17DJ19	25	115/208-230	Man.	5.5	1.0	11.81	S, MX
	1800	S56H	101839.00	√	575	A4C17DJ67	28	115/208-230	Auto.	5.4	1.25	11.81	S, MX, 32
	1800	S56H	100012.00	√	575	A4C17DJ4	26	115/208-230	Auto.	5.4	1.25	11.81	S, MX
	1800	S56H	100065.00	√	476	A4C17DJ11	25	115/208-230	Auto.	5.5	1.0	11.81	S, MX
	1800	S56H	102966.00	√	575	A4C17DJ73	26	277	Auto.	4.5*	1.25	11.81	S, MX
1	3600	56H	110478.00	√	494	A6C34DR6	28	115/208-230	Auto.	6.0	1.25	11.85	S, US
	1800	56H	113027.00	√	599	C6C17DR37	30	115/208-230	None	6.4	1.15	11.81	S, US
	1800	56H	110007.00	√	623	A6C17DR1	29	115/208-230	Auto.	6.4	1.15	11.81	S, US
	1800	56H	110054.00	√	609	A6C17DR2	32	115/208-230	Auto.	6.4	1.0	11.81	S, US
	1800	56H	116599.00	√	623	A6C17DR54	29	277	Auto.	5.4*	1.2	11.82	S, US
1 1/2	3600	56H	110479.00	√	635	A6C34DR7	30	115/230	Auto.	8.2	1.15	11.82	S, US
	1800	56H	110579.00	√	754	A6K17DR6	38	115/208-230	Auto	7.2	1.15	12.82	S, US, 6, 53
	1800	56H	116600.00	√	754	A6K17DR41	38	277	Auto	6.0*	1.15	12.82	S, US
2	3600	56H	113633.00	√	795	U6C34DR21	38	115/208-230	Auto.	10.0	1.15	13.82	S, US
	1800	56H	113608.00	√	803	A6K17DR28	45	115/208-230	Auto.	10.0	1.15	13.81	S, US, 6, 53
	1800	56H	116601.00	√	803	A6K17DR42	45	277	Auto.	8.7*	1.15	13.82	S, US

* F.L. Amps at 277V

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC – Fan Motors

Single Phase - TEFC - Resilient Base

Features:

- Up to 22% higher efficiency than standard Ag Motors
- Sealed bearings
- Shaft flinger
- High starting torque
- Manual overload protected
- Condensation drains

Single Phase - TEFC - Rigid Base

HP/ kW	SYN RPM 60Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56	110025.00	√	527	A6C17FR1	26	115/208-230	Auto.	4.4	1.15	11.96	S, US
3/4	1800	56	110026.00	√	631	A6C17FR2	28	115/208-230	Auto.	5.4	1.15	12.46	S, US, 6
1	1800	56H	111915.00	√	717	A6C17FR10	31	115/208-230	Auto.	6.4	1.15	12.96	S, US, 6

Specifications are subject to change without notice

♥ Note listing on inside back flap

Wattsaver® Premium Efficiency Fan Motors

Features:

- Premium efficient
- Class F insulation
- Terminal boards
- Shielded ball bearings

Single Phase - Drip-Proof - Resilient Base

HP/ kW	SYN RPM 60Hz	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-lod Prot.	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	101602.00	√	392	A4K17DR7	19	115	Auto.	2.5	1.35	71.0	10.39	S, MX, 32
1/3	1800	48	101405.00	√	464	A4K17DR5	19	115	Auto.	3.2	1.35	75.0	10.39	S, MX, 32
1/2	1800	48	101585.00	√	530	A4K17DR6	25	115	Auto.	4.6	1.35	76.0	11.39	S, MX, 32

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC - Fan Motors

Resilient Base Motors - Three Phase
General Purpose or Fan & Blower Service

General Specifications:
- Industrial quality, resilient (cradle) mounted
- Ball bearing design
- Moderate starting torque to reduce fan stresses
- Suitable for belt-driven fans or fan-on-shaft applications

Three Phase - TEFC - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56	111917.00	√	501	C6T17NR1	25	208-230/460	None	1.8	1.15	78.5	11.31	S, US, 6, 12
1	1800	56	111918.00	√	564	C6T17FR1	29	208-230/460	None	3.8	1.15	77.0	12.46	S, US, 6

Specifications are subject to change without notice

♥ Note listing on inside back flap

Drip-Proof - Three Phase - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	3600	S56	101639.00	√	359	A4T34DJ4	17	208-230/460	Auto.	1.7	1.35	61.0	10.31	S, US, 33
	1800	S56	100210.00	√	392	C4T17DJ3	18	208-230/460	None	1.6	1.35	64.3	10.31	S, MX
	1800	S56	101520.00	√	476	A4T17DJ18	19	208-230/460	Auto.	1.6	1.35	64.3	10.81	S, MX, 33
1/2	3600	S56	101640.00	√	432	A4T34DJ3	18	208-230/460	Auto.	2.4	1.25	69.0	10.31	S, US, 33
	1800	S56	100145.00	√	449	C4T17DJ1	22	208-230/460	None	2	1.25	68.0	10.81	S, MX
	1800	S56	100796.00	√	523	A4T17DJ10	22	208-230/460	Auto.	2	1.25	68.0	11.31	S, MX
3/4	3600	S56	101773.00	√	451	C4T34DJ8	20	208-230/460	None	2.4	1.25	79.0	10.81	S, US
	3600	S56	101641.00	√	527	A4T34DJ5	20	208-230/460	Auto.	2.4	1.25	79.0	11.31	S, US, 33
	1800	S56	100146.00	√	499	C4T17DJ2	25	208-230/460	None	2.8	1.25	75.0	11.31	S, MX
	1800	S56	100908.00	√	567	A4T17DJ13	26	208-230/460	Auto.	2.8	1.25	75.0	11.81	S, US, 33
1	3600	56	114192.00	√	481	C6T34DR35	24	208-230/460	None	3.2	1.25	77.0	10.82	S, US
	3600	56	113895.00	√	556	A6T34DR30	25	208-230/460	Auto.	3.2	1.25	77.0	10.82	S, US, 33
	1800	56	110052.00	√	524	C6T17DR1	23	208-230/460	None	4.2	1.15	78.5	11.31	S, US
	1800	56H	111311.00	√	589	A6T17DR11	27	208-230/460	Auto.	4.2	1.15	78.5	11.31	S, US, 33
11/2	3600	56H	114194.00	√	586	C6T34DR36	31	208-230/460	None	4.2	1.15	81.5	11.82	S, US
	3600	56H	113896.00	√	630	A6T34DR31	29	208-230/460	Auto.	4.2	1.15	81.5	11.82	S, US, 33
	1800	56H	110433.00	√	603	C6T17DR4	32	208-230/460	None	5.6	1.15	78.5	11.81	S, US
	1800	56H	113846.00	√	625	A6T17DR25	29	208-230/460	Auto.	5.6	1.15	78.5	11.81	S, US, 49
2	3600	56H	114196.00	√	678	C6T34DR37	36	208-230/460	None	5.6	1.15	82.9	12.32	S, US
	3600	56H	113897.00	√	731	A6T34DR32	39	208-230/460	Auto.	5.6	1.15	82.9	12.32	S, US, 33
	1800	56H	114197.00	√	655	C6T17DR29	37	208-230/460	None	6.2	1.15	78.5	12.31	S, US
	1800	56H	113847.00	√	717	A6T17DR26	34	208-230/460	Auto.	6.2	1.15	78.5	12.31	S, US, 33
3	3600	56HZ	113926.00	√	722	U6T34DR33	40	208-230/460	Auto.	7.6	1.0	84.0	13.19	S, US, 33
	1800	56HZ	116593.00	√	786	A6T17DR33	47	230/460	Auto.	8.6	1.15	82.5	14.19	S, US, 33

Specifications are subject to change without notice

♥ Note listing on inside back flap

HVAC – Fan Motors

Fan & Blower Motors - Multi-Speed - Single & Three Phase

Features:

- Two-winding - variable torque
- PSC Type for shaft mounted fan applications
- Overload protected with a UL and CSA recognized automatic reset protector
- Listed speed or two speed operation using the proper auxiliary switch
- Variable speed by using a variable voltage control
- Overload protected with a UL and CSA recognized automatic reset protector
- Must be mounted in airstream for proper motor cooling
- Extended through-bolts
- Epoxy painted motors

Single Phase - TEAO - PSC Type - Resilient Base

HP/ kW	RPM	SYN RPM 60 Hz	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-lod Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Z	100803.00	√	429	A4P17NR1	19	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	48Z	100824.00	√	505	A4P11NR2	20	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	S56Z	100805.00	√	541	A4P11NJ1	22	115/230	Auto.	1.4	1.0	11.06	S, MX, 17, 34
1/3	1800	48Z	100804.00	√	462	A4P17NR2	21	115/230	Auto.	1.6	1.0	10.66	S, MX, 16, 34
	1800	S56H	100767.00	√	499	A4P17NJ1	22	115/230	Auto.	1.6	1.0	10.31	S, MX, 34
	1800	56HY	111348.00	√	499	A6P17NZ6	29	115/230	Auto.	1.7	1.0	12.94	S, US, 34, 59
	1200	48Z	100825.00	√	585	A4P11NR3	25	115/230	Auto.	1.8	1.0	11.16	S, MX, 16, 34
	1200	S56HZ	100806.00	√	621	A4P11NJ2	27	115/230	Auto.	1.8	1.0	11.56	S, MX, 17, 28
1/2	1800	56HZ	111323.00	√	521	A6P17NR3	30	115/230	Auto.	2.6	1.0	12.56	S, US, 17, 34
	1800	S56H	100768.00	√	531	A4P17NJ2	36	115/230	Auto.	2.2	1.0	10.81	S, MX, 34
	1200	48Z	101645.00	√	684	A4P11NR6	27	115/230	Auto.	2.8	1.0	11.16	S, MX, 16, 34
	1200	56HZ	111321.00	√	672	A6P11NR1	37	115/230	Auto.	3.0	1.0	13.56	S, US, 17, 34, 60
	900	56HZ	111919.00	√	832	A6P8NR2	45	115/230	Auto.	3.2	1.0	13.56	S, US, 17, 25, 34, 60
3/4	1800	56HZ	111324.00	√	770	A6P17NR4	34	115/230	Auto.	3.5	1.0	13.06	S, US, 17, 34
	1800	56H	111266.00	√	770	A6P17NR1	36	115/230	Auto.	3.5	1.0	12.31	S, US, 34
	1200	56HZ	111322.00	√	794	A6P11NR2	44	115/230	Auto.	4.0	1.0	13.56	S, US, 17, 25, 34, 60
1	1800	56HZ	111267.00	√	808	A6P17NR2	39	115/230	Auto.	4.4	1.0	12.81	S, US, 34

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEAO - PSC Type - Resilient Base

HP/ kW	RPM	SYN RPM 60 Hz	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-lod Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	100699.00	√	419	A4P17NB7	19	115/230	Auto.	1.4	1.0	10.65	S, MX
	1800	48Y	101252.00	√	423	A4P17NB27	19	115/208-230	Auto.	1.5	1.0	10.40	S, MX, 50
1/3	1800	48Y	100700.00	√	485	A4P17NB8	21	115/230	Auto.	1.6	1.0	10.65	S, MX
	1800	56Y	111202.00	C/A	485	A6P17NZ1	27	115/230	Auto.	1.7	1.0	12.00	S, US, 62
	1800	48Y	101253.00	C/A	489	A4P17NB28	22	115/208-230	Auto.	1.9	1.0	10.65	S, MX, 50
	1200	S56Z	100604.00	√	609	A4P11NH1	23	115/230	Auto.	1.8	1.0	11.40	S, MX
1/2	1800	48Y	100701.00	√	514	A4P17NB9	25	115/230	Auto.	2.5	1.0	12.15	S, MX
	1800	S56Y	101176.00	√	517	A4K17NH2	24	115/230	Auto.	3.5	1.0	10.40	S, MX, 50, 54

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC - Fan Motors

Two-Speed - Two-Winding - Variable Torque

Features:
- Belted or fan-on-shaft applications
- Can be mounted within or outside the fan's airstream
- Resilient mounted for quiet operation
- 3/4 HP and larger single phase are capacitor start motors; smaller single phase are split phase start.
- Ball bearings

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps High/ Low	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-1/12	1800/1200	48Z*	101020.00	√	374	C4S46DR1	20	115	None	4.2-3.2	1.0	11.64	S, US, 16
1/3-0.15	1800/1200	S56H	101021.00	√	475	C4S46DJ1	26	115	None	5.0-4.6	1.0	12.27	S, MX
1/2-1/4	1800/1200	56H	111953.00	√	593	C6S46DR1	33	115	None	7.8-4.6	1.0	12.31	S, US
	1800/1200	56H	113643.00	√	593	C6S46DR2	33	230	None	3.9-2.3	1.0	12.31	S, US
3/4-1/3	1800/1200	56H	111954.00	√	861	C6C46DR2	38	115	None	11.6-7.4	1.0	12.81	S, US, 6
	1800/1200	56H	113672.00	√	861	C6C46DR5	39	230	None	5.8-3.7	1.15	12.81	S, US, 6
1-0.44	1800/1200	56H	111955.00	√	1014	C6K46DR1	41	115	None	13.2-9.5	1.0	12.81	S, US, 6
	1800/1200	56H	113373.00	√	1014	C6K46DR3	39	230	None	6.5-4.6	1.0	12.81	S, US, 6

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps High/ Low	Service Factor	"C" Dim. (Inches)	♥Notes
1/2-.22	1800/1200	56H	111956.00	√	895	C6T46DR1	32	208-230	None	1.8-1.1	1.0	12.31	S, US
	1800/1200	56H	111957.00	√	895	C6T46DR2	32	460	None	0.9-0.5	1.0	12.31	S, US
3/4-1/3	1800/1200	56H	111958.00	√	944	C6T46DR3	36	208-230	None	2.8-1.6	1.0	12.81	S, US, 6
	1800/1200	56H	111959.00	√	944	C6T46DR4	36	460	None	1.4-0.8	1.0	12.81	S, US, 6
1-0.44	1800/1200	56H	111960.00	√	1014	C6T46DR5	40	208-230	None	4.0-2.4	1.0	12.81	S, US, 6
	1800/1200	56H	111961.00	√	1014	C6T46DR6	40	460	None	1.8-1.0	1.0	12.81	S, US, 6
11⁄2-.67	1800/1200	56H	111962.00	√	1230	C6T46DR7	40	208-230	None	5.0-2.6	1.0	12.81	S, US, 6
	1800/1200	56H	111963.00	√	1230	C6T46DR8	40	460	None	2.5-1.3	1.0	12.81	S, US, 6

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

HVAC – Fan Motors

Aeration Fan Motors

Totally Enclosed Air Over Motors (TEAO)

Features:

- Suitable for shaft mounted fans
- Capacitor start designs
- Designed to run in the airflow of the driven fan
- Epoxy enamel finish to resist corrosion
- Ball bearing designs

Single Phase - Capacitor Start - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps 230V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	111332.00	√	433	C6C34NB15	27	115/230	5.0	1.0	10.90	S, US, 22
1	3600	56	111333.00	√	514	C6C34NB16	29	115/230	6.0	1.0	10.90	S, US, 22
1 1/2	3600	56	111949.00	√	664	C6C34NB19	32	115/230	8.5	1.0	11.40	S, US, 22
	3600	143TZ	120374.00	√	714	C143C34NB1	31	115/230	8.5	1.0	11.84	S, US, 22
2	3600	145TZ	120375.00	√	870	C145C34NB1	41	230	10.0	1.0	13.34	S, US, 23
3	3600	145T	120376.00	√	915	C145K34NB1	45	230	12.8	1.0	13.84	S, US, 23, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56Z	111334.00	√	443	C6T34NB18	21	208-230/460	2.4	75.5	1.0	9.90	S, US, 22
1	3600	56Z	111335.00	√	481	C6T34NB19	22	208-230/460	3.2	77.0	1.0	9.90	S, US, 22
1 1/2	3600	143TZ	120377.00	√	553	C143T34NB2	31	208-230/460	4.2	82.5	1.0	11.34	S, US, 22
2	3600	145TZ	120378.00	√	654	C145T34NB1	34	208-230/460	5.6	82.5	1.0	11.84	S, US, 22
3	3600	145T	120379.00	√	734	C145T34NB2	38	230/460	7.6	84.0	1.0	12.34	S, US, 23

Specifications are subject to change without notice

♥ Note listing on inside back flap

Ventilation Fan Motor - Dust-Tight - Shaft Mounted

Features:

- Permanent split capacitor start motors
- Direct drive exhaust ventilation fans
- Extended through-bolt designs
- Built in terminal panel for quick connections
- Motors must be mounted in the mounted fan's airstream

Single Phase - TEAO - Through-Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	48Y	M090085.00	√	368	A4P17NZ58	20	115/230	Auto	1.8	1.0	10.79	S, CN
1/2	1800	48Y	M090086.00	√	397	A4P17NZ56	22	115/230	Auto	2.5	1.0	10.79	S, CN
	900	56Z	114620.00	√	690	A6P8NZ2	35	115/230	Auto	3.2	1.0	12.63	S, US, 50
	900	48Y	M099250.00	√	446	A4P8NZ1	24	115/230	Auto	3.0	1.0	11.00	S, CN, 20, 50

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single & Three Phase - TEAO - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	Phase	F. L. Amps @ 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	900	S56C	M099251.00	√	449	A4P8NC2	24	115/230	Auto	1	3.0	1.0	10.4	S, CN, 25
1	900	S56CZ	M009644.00	√	754	M009644	45	230	Auto	1	4.6	1.1	15.6	S, CN, 21, 50
1/2	900	56C	116201.00	√	621	C6T8NC37	35	208-230/460	…	3	3.0	1.0	10.9	S, US
1	900	56C	116202.00	√	771	C6T8NC38	45	208-230/460	…	3	5.0	1.0	12.9	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

HVAC – Fan Motors

Condenser Fan Motors

Features:

- For shaft mounted fan applications
- Belly band and rigid mount designs
- Designed for vertical shaft up applications
- Enclosed shaft end endshield protects against contaminants
- Automatic overload protection
- Double sealed ball bearings
- **NOT FOR USE WITH INVERTERS**

Three Phase - Drip-Proof - Belly Band & Rigid Mount

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230V	F.L. Eff	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1200	56Y	116772.00	√	634	A6T11√Z3	25	208-230/460	2.8	66.0	1.15	12.56	S, US, 58
3/4	1200	56Y	116773.00	√	687	A6T11√Z2	31	208-230/460	3.4	75.5	1.15	13.06	S, US, 58
1	1200	56Y	111147.00	√	780	A6T11DZ1	37	208-230/460	3.6	77.0	1.15	14.06	S, US, 58
	1200	56Y	115778.00	√	724	A6T11DB20	37	208-230/460	4.0	77.0	1.15	14.05	S, US, 60
1 1/2	1200	56Y	111148.00	√	852	A6T11DZ2	42	208-230/460	5.2	78.0	1.15	15.06	S, US, 58
	1200	56HY	115779.00	√	787	A6T11DB21	39	208-230/460	5.6	79.0	1.15	15.55	S, US, 60

Specifications are subject to change without notice

♥ Note listing on inside back flap

Fan & Blower Motors
Single Phase - Commercial Duty

Designed for continuous duty use in ventilation fans, blowers and other belt driven or fan-on-shaft applications.

Features:

- Split phase design motors
- Belt driven or fan-on-shaft applications
- Resilient base for quiet operation
- Automatic overload protection
- Built-in terminal panel for easy connection

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	191868.00	√	254	A4S17DR55	15	115/230	Auto.	4.6	1.35	9.37	S, CN, 32
1/3	1800	48	191869.00	√	273	A4S17DR56	17	115/230	Auto.	5.8	1.35	9.88	S, CN, 32
1/2	1800	48	191870.00	√	316	A4S17DR57	19	115/230	Auto.	8.4	1.25	10.39	S, CN, 32

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

HVAC – Fan Motors

Residential / Industrial - Split Phase - Belted Fan Motors

Designed for use in air conditioners, roof ventilators and exhaust fans.

Features:
- Low starting torque
- Ball bearings
- Resilient "cradle" style base
- Automatic overload protection

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48YZ	M900195.00	√	232	48S17D1301	13	115	Auto.	5.0	1.35	9.72	S, MX, 7
1/3	1800/1200	56	M900277.00	√	446	56S17D7208	20	115	Auto.	5.3/2.9	1.35	10.78	S, MX
	1800	48YZ	M900196.00	√	272	48S17D1303	15	115	Auto.	6.1	1.35	9.72	S, MX, 7
1/2	1800/1200	56	M900599.00	√	558	56S17D5710	30	115	Auto.	8.4/4.5	1.25	11.85	S, US
	1800	48YZ	M900197.00	√	356	48S17D1302	20	115	Auto.	7.2	1.25	10.72	S, MX, 7

Specifications are subject to change without notice

♥ Note listing on inside back flap

Premium Efficiency - Industrial / Residential - Belted Fan Motors

Designed for use in residential or industrial belted fan applications.

Features:
- High efficiency designs
- Ball bearings
- Special balanced rotors
- Spade connectors on terminal board
- Automatic overload protection

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48	M090602.00	√	301	A4K17DR11	15	115	Auto.	2.5	1.0	9.88	S, CN, 32, 55
1/3	1800	48	M090405.00	√	316	A4K17DR9	19	115	Auto.	3.2	1.35	9.88	S, CN, 32, 55
1/2	1800	48	M090585.00	√	388	A4K17DR10	22	115	Auto.	4.6	1.0	10.5	S, CN, 32, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Features:
- Drop-in replacement for most standard belted-fan motors
- Extremely quiet running compared to standard fan motors
- Consumes approximately half of the power of a standard fan motor

View On-line Technical Information

HVAC – Fan Motors

Pedestal Fan Motors

Designed for use where the fan is mounted directly to the motor shaft Yoke style mount is industry standard type mount.

Features:

- Drop-in replacement for most standard belted-fan motors
- Extremely quiet running compared to standard fan motors
- Consumes approximately half of the power of a standard fan motor
- Permanent split capacitor type
- Ball bearing design
- Heavy-gauge steel yoke is welded to the motor frame
- 10-32 mounting studs are extended 1.0” on 5.14” bolt circle
- Motors are UL and CSA recognized for both the U.S. and Canadian markets
- Automatic overload protection

Single Phase - TEAO - Yoke Mount

HP	SYN RPM 60 Hz*	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	Shaft Dia.	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	191872.00	√	254	A4P17NZ63	14	115/230	Auto.	2.6	1.0	0.500	10.95	S, CN
	1800	48Y	191908.00	√	254	A4P17NZ64	14	115/230	Auto.	2.6	1.0	0.625	10.95	S, CN
	1200	48Y	191891.00	√	281	A4P11NZ26	22	115/230	Auto.	2.4	1.0	0.500	10.95	S, CN
	1200	48Y	191909.00	√	281	A4P11NZ27	25	115/230	Auto.	2.4	1.0	0.625	10.95	S, CN
1/3	1800	48Y	191871.00	√	278	A4P17NZ65	15	115/230	Auto.	3.4	1.0	0.500	10.95	S, CN
	1800	48Y	191910.00	√	278	A4P17NZ66	15	115/230	Auto.	3.4	1.0	0.625	10.95	S, CN
	1200	48Y	191892.00	√	315	A4P11NZ28	23	115/230	Auto.	3.0	1.0	0.500	11.46	S, CN
	1200	48Y	191911.00	√	315	A4P11NZ29	26	115/230	Auto.	3.0	1.0	0.625	11.46	S, CN
1/2	1800	48Y	191873.00	√	321	A4P17NZ67	24	115/230	Auto.	4.6	1.0	0.500	10.95	S, CN
	1800	48Y	191875.00	√	321	A4P17NZ68	24	115/230	Auto.	4.6	1.0	0.625	10.95	S, CN
	1200	48Y	191893.00	√	365	A4P11NZ30	26	115/230	Auto.	5.0	1.0	0.500	11.93	S, CN
	1200	48Y	191912.00	√	365	A4P11NZ31	26	115/230	Auto.	5.0	1.0	0.625	11.93	S, CN

* Two-speed operation possible by connecting 115V power to 230V connections. Actual speed (approx. 67% of rated speed) will depend on fan blade design.

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Variable torque motors are typically used on applications such as fans, blowers and centrifugal pumps.
Constant torque motors are typically used mixers, compressors, conveyors, extractors, feeders and laundry machinery.
Constant horsepower motors are typically used on machine tools such as drills, lathes, punch presses and milling machines.

Features:
- Two-speed, single winding designs
- Totally enclosed fan cooled designs
- Ball bearing designs
- Single voltage designs

Variable Torque - 460 Volt - Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	120945.00	√	919	C143T48FB7	36	460	1.6–0.7	1.0	12.75	S, US
1.5/.37	1800/900	145T	120941.00	√	957	C145T48FB60	36	460	2.4–1.0	1.0	12.75	S, US
2/.5	1800/900	145T	120940.00	C/A	1116	C145T48FB48	36	460	3.2–1.3	1.0	12.75	S, US
3/.75	1800/900	184T	131474.00	C/A	1195	C184T48FB67	77	460	4.0–1.8	1.0	14.46	S, MX
5/1.2	1800/900	184T	131475.00	√	1525	C184T48FB68	107	460	6.5–2.5	1.0	15.96	S, MX
7.5/1.9	1800/900	215T	140447.00	√	2149	C215T48FB46	155	460	9.7–3.3	1.0	17.71	S, MX
10/2.5	1800/900	215T	140448.00	√	2531	C215T48FB48	168	460	12.7–4.2	1.0	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Variable Torque - 208-230 Volt - Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	120944.00	√	919	C143T48FB6	36	208-230	3.2–1.4	1.0	12.75	S, US
1.5/.37	1800/900	145T	120947.00	√	959	C145T48FB61	36	208-230	4.8–2.0	1.0	12.75	S, US
2/.5	1800/900	145T	120946.00	√	1116	C145T48FB59	35	208-230	6.3–2.6	1.0	12.75	S, US
3/.75	1800/900	184T	131468.00	√	1195	C184T48FB61	78	208-230	8.0–3.6	1.0	14.46	S, MX
5/1.2	1800/900	184T	131469.00	√	1525	C184T48FB62	94	208-230	13.0–5.0	1.0	15.96	S, MX
7.5/1.9	1800/900	215T	140443.00	√	2170	C215T48FB45	154	208-230	19.4–6.6	1.0	17.71	S, MX
10/2.5	1800/900	215T	140444.00	√	2531	C215T48FB47	166	208-230	25.4–8.4	1.0	18.71	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

Continued To Next Page

View On-line Technical Information

HVAC – Fan Motors

Fan & Blower Motors - Multi-Speed - Single & Three Phase

Constant Torque - 460 Volt - Three Phase - One Winding - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	120943.00	√	1311	C143T48FB9	36	460	1.4–1.6	1.0	13.25	S, US
2/1	1800/900	184T	131471.00	√	1676	C184T48FB64	68	460	2.9–2.9	1.0	13.96	S, MX
3/1.5	1800/900	184T	131470.00	√	1902	C184T48FB63	80	460	3.8–3.5	1.0	14.96	S, MX
5/2.5	1800/900	215T	140445.00	C/A	2486	C215T48FB43	145	460	6.7–7.0	1.0	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Constant Torque - 208-230 Volt - Three Phase - One Winding - TEFC - Rigid Base

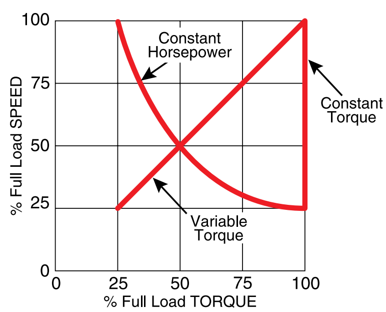
HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	120942.00	√	1311	C143T48FB8	37	208-230	3.2–4.2	1.0	12.75	S, US
2/1	1800/900	184T	131473.00	C/A	1676	C184T48FB66	69	208-230	5.8–5.7	1.0	13.96	S, MX
3/1.5	1800/900	184T	131472.00	√	1902	C184T48FB65	80	208-230	7.6–6.9	1.0	14.96	S, MX

C/A - Check Availability

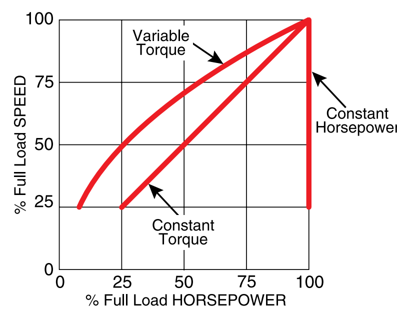
♥ Note listing on inside back flap

Specifications are subject to change without notice

TORQUE



HORSEPOWER



View On-line Technical Information

HVAC - Fan Motors

Agricultural Duty - Fan & Blower Motors
Two-Winding Variable Torque - PSC Type

These fan and blower duty motors are designed for dependable, energy saving performance in applications where the fan is mounted on the shaft of the motor.

Features:
- Two-winding - variable torque
- PSC Type for shaft mounted fan applications
- Overload protected with a UL and CSA recognized automatic reset protector
- Listed speed or two speed operation using the proper auxiliary switch
- Variable speed by using a variable voltage control
- Overload protected with a UL and CSA recognized automatic reset protector
- Must be mounted in airstream for proper motor cooling
- Extended thru-bolts

Single Phase - PSC - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Z	100803.00	√	429	A4P17NR1	19	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	48Z	100824.00	√	505	A4P11NR2	20	115/230	Auto.	1.4	1.0	10.66	S, MX, 16, 34
	1200	S56Z	100805.00	√	541	A4P11NJ1	22	115/230	Auto.	1.4	1.0	11.06	S, MX, 17, 28
1/3	1800	48Z	100804.00	√	462	A4P17NR2	21	115/230	Auto.	1.6	1.0	10.66	S, MX, 16, 34
	1800	S56H	100767.00	√	499	A4P17NJ1	22	115/230	Auto.	1.6	1.0	10.31	S, MX, 34, 59
	1800	56HY	111348.00	√	499	A6P17NZ6	24	115/230	Auto.	1.7	1.0	13.44	S, US, 34
	1200	48Z	100825.00	√	585	A4P11NR3	25	115/230	Auto.	1.8	1.0	11.16	S, MX, 16, 34
	1200	S56HZ	100806.00	√	621	A4P11NJ2	27	115/230	Auto.	1.8	1.0	11.56	S, MX, 17, 28
1/2	1800	56HZ	111323.00	√	521	A6P17NR3	30	115/230	Auto.	2.6	1.0	12.56	S, US, 17, 34
	1800	S56H	100768.00	√	531	A4P17NJ2	36	115/230	Auto.	2.2	1.0	10.81	S, MX, 17
	1200	48Z	101645.00	√	684	A4P11NR6	33	115/230	Auto.	2.8	1.0	11.16	S, MX, 16, 34
	1200	56HZ	111321.00	√	672	A6P11NR1	37	115/230	Auto.	3.0	1.0	13.56	S, US, 17, 34
	900	48YZ	M099836.00	√	466	A4P8NR1	24	115/230	Auto.	3.0	1.0	11.55	S, MX, 19, 34, 50
	900	56HZ	111919.00	√	832	A6P8NR2	40	115/230	Auto.	3.2	1.0	13.56	S, US, 17, 34, 50
3/4	1800	56HZ	111324.00	√	770	A6P17NR4	34	115/230	Auto.	3.5	1.0	13.06	S, US, 17, 34
	1800	56H	111266.00	√	770	A6P17NR1	36	115/230	Auto.	3.5	1.0	12.31	S, US, 34
	1200	56HZ	111322.00	√	794	A6P11NR2	44	115/230	Auto.	4.0	1.0	13.56	S, US, 17, 34, 50
1	1800	56HZ	111267.00	√	808	A6P17NR2	39	115/230	Auto.	4.4	1.0	12.81	S, US, 34

Specifications are subject to change without notice

♥ Note listing on inside back flap

HVAC – Fan Motors

PSC - Variable Speed - Resilient Base - Single Phase

Features:
- Agricultural fan duty
- Extended thru-bolts
- Totally enclosed air over (TEAO) designs

Single Phase - PSC - TEAO - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1625	48Z	LM24445	√	558	SPA4S0.25TZRY1A6027AP11-1	20	115/230	Auto.	1.8	1.0	11.06	S, MX, 16
	1625	48Z	LM24447	√	432	SPA4S0.25TZRY1A6027AP10-1	17	115/230	Auto.	1.6	1.0	10.09	S, MX, 16
	1075	48Z	LM24442	C/A	516	SPA6S0.25TZRY1A6027AP10-1	14	115/230	Auto.	1.6	1.0	10.09	S, MX, 16
1/3	1625	48Z	LM24450	√	613	SPA4S0.33TZRY1A6027AP11-1	23	115/230	Auto.	1.9	1.0	11.81	S, MX, 16
	1625	48Z	LM24448	√	475	SPA4S0.33TZRY1A6027AP10-1	17	115/230	Auto.	2.2	1.0	10.09	S, MX, 16
	1075	48Z	LM24443	√	591	SPA6S0.33TZRY1A6027AP10-1	15	115/230	Auto.	2.1	1.0	10.84	S, MX, 16
1/2	1625	48Z	LM24446	√	679	SPA4S0.5TZRY1A6027AP11-1	23	115/230	Auto.	2.7	1.0	11.81	S, MX, 16
	1625	48Z	LM24449	√	526	SPA4S0.5TZRY1A6027AP10-1	21	115/230	Auto.	3.0	1.0	10.84	S, MX, 16
	1075	48Z	LM24444	√	679	SPA6S0.5TZRY1A6027AP10-1	19	115/230	Auto.	3.2	1.0	10.84	S, MX, 16

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Single Phase - PSC Type - Rigid Base - TEAO

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	101252.00	√	423	A4P17NB27	19	115/208-230	Auto.	1.5	1.0	10.90	S, MX, 50
	1800	48Y	100699.00	√	419	A4P17NB7	19	115/230	Auto.	1.4	1.0	10.65	S, MX
	1800	48Y	M099799.00	√	332	A4P17NB55	19	115/230	Auto.	1.5	1.0	10.79	S, MX
	1200	48Y	M099260.00	√	346	A4P11NB23	21	115/230	Auto.	1.2	1.0	10.83	S, MX
1/3	1800	48Y	M090253.00	√	342	A4P17NB54	22	115/230	Auto.	1.8	1.0	10.47	S, MX, 50
	1800	48Y	101253.00	C/A	489	A4P17NB28	22	115/208-230	Auto.	1.9	1.0	10.65	S, MX, 50
	1800	48Y	100700.00	√	485	A4P17NB8	22	115/230	Auto.	1.6	1.0	10.65	S, MX
	1800	56Y	111202.00	C/A	485	A6P17NZ1	24	115/230	Auto.	1.7	1.0	12.00	S, MX, 58
	1800	48Y	M099800.00	√	376	A4P17NB56	22	115/230	Auto.	1.8	1.0	10.79	S, MX
	1200	48Y	M099261.00	√	409	A4P11NB24	21	115/230	Auto.	1.5	1.0	11.34	S, MX
	1200	S56Y	100604.00	√	609	A4P11NH1	23	115/230	Auto.	1.8	1.0	11.40	S, MX
1/2	1800	S56Y	101176.00	√	517	A4K17NH2	26	115/230	Auto.	3.5	1.0	10.40	S, MX, 50, 54
	1800	48Y	100701.00	√	514	A4P17NB9	29	115/230	Auto.	2.5	1.0	12.15	S, MX
	1800	48Y	M099801.00	√	405	A4P17NB57	29	115/230	Auto.	2.5	1.0	10.79	S, MX
	1200	48Y	M099946.00	√	423	A4P11NB28	26	115/230	Auto.	2.5	1.0	11.81	S, MX
3/4	1200	56HZ	M099847.00	√	654	A6P11NB4	36	115/230	Auto.	3.6	1.0	13.56	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Grain Dryer / Centrifugal Fan Motors

Used in Ag fan and blower applications. Screens used to protect against entry of pests and and silage.

Features:
- NEMA Premium and EPACT efficiency
- Rodent screens
- Re-greasable bearings
- Cast Iron construction
- 1.25 service factor
- Class F insulation
- Inverter duty insulation system
- UL recognized and CSA certified

Three Phase - Open Drip Proof (ODP) - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	F.L. Eff.	"C" Dim. (Inches)	♥Notes
10	1800	215T	G151828.60	√	1052	C215T17DB54	168	208-230/460	25.0	89.5	16.75	C, CN
15	1800	254T	G151540.60	√	1548	C254T17DB12	265	208-230/460	37.6	91.0	21.89	C, CN
	1800	254T	170540.60	√	2007	C254T17DB45	279	208-230/460	37.0	93.0	20.94	C, CN
20	1800	256T	G151541.60	√	1925	C256T17DB7	307	208-230/460	48.0	91.7	23.54	C, CN
	1800	256T	170541.60	√	2448	C256T17DB10	324	208-230/460	51.0	93.0	22.60	C, CN
25	1800	284T	G151829.60	√	2105	C284T17DB11	388	208-230/460	59.6	91.7	23.54	C, CN
30	1800	286T	G151542.60	√	2681	C286T17DB12	434	208-230/460	72.0	92.4	26.57	C, CN
	1800	286T	170542.60	√	3296	C286T17DB13	471	208-230/460	71.0	93.6	25.00	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC – Fan Motors

Crop Dryer Motors

Features:

- Open air over, fan-on-shaft design
- Continuous duty
- Thermostats provide overload protection
- Extra nameplate provided for remote mount
- Keyed shaft with 1/4-20 UNC tapped hole in end
- Grey epoxy painted
- Rodent screen protection

Single Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3-4.5	3600	145TZ	LM24778	√	1159	SSD2S3-4.5TZ1B66QS10-1	46	230	Auto	13.0	1.5	13.74	S, MX
5 - 7	3600	182TZ	131847.00	√	1361	C182C34DB2	91	230	T-Stat	27.2-35.0	1.0	16.44	S, MX
	3600	184TZ	LM24779	C/A	1430	SS18D2S5-7TZ1C66QS11-1	76	230	T-Stat	27.2-35.0	1.0	14.50	S, MX
7.5-10	3600	182TZ	131848.00	√	1513	C182K34DB4	95	230	T-Stat	31.0-42.0	1.0	16.44	S, MX
7-10	3600	184TZ	LM24780	√	1897	SSD2S7-10TZ1B66QS11-1	102	230	T-Stat	31.0-42.0	1.4	15.94	S, MX
7-9	3600	184TZ	LM24781	C/A	1536	SSD2S7-9TZ1C66QSS11-1	88	230	T-Stat	31.0-42.0	1.3	15.50	S, MX
10 - 15	3600	215TZ	140640.00	√	2326	C215K34DB2	159	230	T-Stat	39.5-61.5	1.0	20.42	S, MX
	3600	215TZ	LM24782	√	2410	SS215D2S10-15TZ1C66QS11-1	135	230	T-Stat	39.5-61.5	1.5	18.16	S, MX
	3600	215TZ	141084.00	√	2326	C215K34DB3	159	230	T-Stat	40.0	1.0	20.08	S, MX, 52

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Three Phase

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
5-7.5	3600	184TZ	131849.00	√	1102	C184T34DB8	70	208-230/460	T-Stat	19.0	1.0	13.94	S, MX
	3600	184TZ	LM24783	C/A	1207	SS184D2S5-7TZ6029QS12-1	70	208-230/460	T-Stat	18.0	1.0	14.71	S, MX
7.5-10	3600	184TZ	131850.00	√	1287	C184T34DB9	85	208-230/460	T-Stat	24.2	1.0	15.44	S, MX
	3600	184TZ	LM24784	C/A	1281	SSD2S7-10TZ6029QS12-1	83	208-230/460	T-Stat	19.0	1.0	14.22	S, MX
10 - 15	3600	215TZ	140641.00	√	1553	C215T34DB3	95	208-220/440	T-Stat	40.0	1.5	17.41	S, MX
	3600	215TZ	LM24785	C/A	1689	SS215D2S10-15TZ6029QS12-1	115	208-220/440	T-Stat	26.0	1.0	17.41	S, MX
10 - 15	3600	215TZ	140640.00	√	2326	C215K34DB2	159	230	T-Stat	39.5-61.5	1.0	20.42	S, MX
	3600	215TZ	LM24782	√	2410	SS215D2S10-15TZ1C66QS11-1	135	230	T-Stat	39.5-61.5	1.5	18.16	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Hatchery and Incubator Fan Motors

Features:
- Automatic overload protected
- 15 MFD, 370 V capacitor shipped loose with motor
- 101341.00 is a permanent split capacitor motor
- Motor 114102.00 is a split phase two-speed motor
- Double shielded ball bearings

Single Phase - TEAO

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	101341.00	√	427	A4P17NZ24	17	115/230	Auto.	1.4	1.0	8.93	S, US, 16, 34, 58
1/2-0.22	1800/1200	56H	114102.00	√	557	A6S46NR4	33	115	Auto.	9.3-5.6*	1.25	11.81	S, US

* Full Load amps are at high speed and low speeds, respectively at 115 volts

♥ Note listing on inside back flap

Specifications are subject to change without notice

Variable Speed - High Performance AG Fan Motors

Features:
- Water-tight connection end compartment
- Locked double sealed ball bearings
- All angle mounting
- Shaft seal on output shaft end
- Automatic overload protection

Single Phase - TEAO - Rigid Base - Extended Thru-Bolts

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Y	M099899.00	√	328	A4P17NB58	18	115-208/230	Auto.	1.3	1.0	11.3	S, CN
	1200	48Y	M099460.00	√	354	A4P11NB25	21	115/208-230	Auto.	1.3	1.0	11.8	S, CN
1/3	1800	48Y	M099900.00	√	350	A4P17NB59	19	115-208/230	Auto.	1.8	1.0	11.3	S, CN
	1200	48Y	M099461.00	√	379	A48P11NB26	22	115/208-230	Auto.	1.9	1.0	11.8	S, CN
1/2	1800	48Y	M099901.00	√	388	A4P17NB60	22	115-208/230	Auto.	2.6	1.0	11.7	S, CN
	1200	48Y	M099462.00	√	413	A4P11NB27	25	115/208-230	Auto.	2.8	1.0	12.2	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

HVAC – Fan Motors

Agricultural Fan Motors - Belt Drive - TEAO

Features:

- Capacitor start / capacitor run designs for high efficiency
- Mount in airstream for proper cooling
- Combination 56 / 140 frame stamped steel base

High Efficiency - Single Phase

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56	M009580.00	√	475	A6K17NB21	27	115/208-230	–	4.4	80	10.33	S, CN
3/4	1800	56H	M009581.00	C/A	503	A6K17NB15	30	115/208-230	Auto.	3.4	82	10.83	S, CN
1	1800	56H	M009782.00	√	524	A6K17NB17	37	115/208-230	Auto.	4.3	85	11.80	S, CN
11⁄2	1800	56H	M009594.00	√	625	A6K17NB16	39	115/208-230	Auto.	6.8	78	12.60	S, CN
2	1800	145T	M009595.00 *	√	694	M145K17NB	47	230	Auto	9.5	82	12.80	S, CN

* Motor M009595 has a frame mounted conduit box

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Agriculture Fan
115/230 Volts - Belt Drive - Overload Protection

LM24777 is TEAO Design - Single Phase - TENV - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56Z	LM24776	√	669	SRN4S0.5TZ1B6027TP2-1	21	115/230	Auto	2.3	1.0	10.47	S, MX, 12, 53
1	1800	56Z	LM24777	√	895	SRA4S1TZ1B6027TP2-1	32	115/230	Auto	4.6	1.0	10.72	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

LEESON®

Agriculture Fan
Direct Drive Thru-Bolt Mount

Features:
- 1/2" long thru-bolts
- 48Y - 1/2" dia., 1-1/2 long shaft with flat
- 48YZ - 1/2" dia., 2-1/2" long shaft with two flats

Single Speed - Single Phase - TEAO - Through Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725	48Y	LM24488	√	407	SPN4S0.25TZNY1S6001TP1-1	10	115	Auto	4.0	1.0	7.62	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Two Speed - Single Phase - TEAO - Through Bolt Mount

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 115 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1725/1140	48YZ	LM24492	√	424	SPA4/6/1S0.25/0.25TZNY1 S6001TP2-1	17	115	Auto	4.1	1.0	11.09	S, MX
1/3	1725/1140	48YZ	LM24491	√	477	SPA4/6/1S0.33/0.33TZNY1 S6001TP2-1	18	115	Auto	5.3	1.0	11.34	S, MX

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

HVAC – Fan Motors

Agriculture Fan

Features:
- Single phase - 115 & 230 Volts
- Extended through-bolts on 48Z frame motors
- 48Z - 1/2 dia. shaft, 2-1/2 long with two flats
- 56Z - 1/2 dia. shaft, 2-1/2" long shaft with keyway
- Includes 5/8" shaft adaptor sleeve with key

Single Phase - TEAO - Reslient Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/4	1800	48Z	LM24487	C/A	424	SPA4S0.25TZRY1S6001TP2-1	17	115	Auto	3.5*	1.0	10.09	S, MX
1/3	1800	48Z	LM24486	√	477	SPA4S0.33TZRY1S6001TP2-1	21	115	Auto	4.5*	1.0	10.09	S, MX
1/2	1800	56Z	LM24809	C/A	645	SRA4S0.5TZR1S6027TP2-1	24	115/230	Auto	3.3	1.0	11.34	S, MX

* Amps at 115 Volts

▼ LM Numbers are Lincoln Models

C/A - Check Availability

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♥ Note listing on inside back flap

Aeration Fan, HVAC
115 & 230 Volts - Single Phase

Features:
- Automatic overload protected
- Sealed bearings
- 18" extended leads
- Shaft has keyway and 1/4-20 UNC tapped hole on end of shaft

Single Phase - TEAO - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56Z	LM24786	√	518	SRA2S1TZ1C6027L10MB6TP2-1	29	115/230	Auto	5.6	1.15	10.94	S, MX
1 1/2	3600	143TZ	LM24787	√	588	SSA2S1.5TZ1C6027L10MB6TP2-1	35	115/230	Auto	8.4	1.15	11.49	S, MX
3	3600	145TZ	LM24788	√	724	SS145A2S3TZ1B66L10MB6TP2-1	52	230	Auto	11.8	1.15	13.49	S, MX

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♥ Note listing on inside back flap

LEESON®

Custom PDQ

PDQ Modular Production Program

Custom Multi-Speed, Low Speed and Modified Motors, one or several at a time, on a quick turnaround basis.

LEESON's "Modular Production" utilizes specially designed and standard components to make almost any imaginable NEMA frame multi-speed or low-speed motor available when you need it.

Quick Turnaround-LEESON's Custom PDQ can provide quick answers to inquiries and fast turnaround for orders of highly customized motors.

Comprehensive Catalog - Features the Industry's most extensive two-speed and low speed motor selection as well as a listing of commonly requested modifications. Call for your copy of LEESON Catalog 1057 - Multi-Speed, Low-Speed and Modified Motors.

Full Fact Acknowledgement - With Custom PDQ all custom motors are promptly and fully acknowledged upon receipt of order. The acknowledgement includes the complete motor specification pricing and shipping date.

Motors of 254T frame and larger are of cast iron construction with all the rugged features of LEESON's stock single-speed motors described on pages 18 & 19 of this catalog. All two-speed designs are class F insulated and have a 1.15 S.F.

Whether for the everyday or not-so-everyday needs, Custom PDQ gives you the ability to say "Yes" to requests for customized motors.

Multi-speed
Two, three and four-speed motors

Low Speed
900, 720, 600, 450 and 300 rpm

Modified as per Catalog 1057 - Some examples are:

- Anti-condensation heaters
- Brakemotors, custom
- Cooling tower specifications
- Downsized frames
- Epoxy and fungus proofing
- 50 Hz
- Premium-efficiency, North American manufacture
- Insulation, special
- Marine duty (below deck)
- Part winding (low and high voltages)
- Shafts, modified
- Thermostats
- Thermistors
- Washdown service
- IEEE841 conversion of WATTSAVER® motors
- Voltages (non-standard)

...and many more

For quotations, availability, and application assistance phone toll-free to our Canadian manufacturing facility.

CUSTOM PDQ
1-800-463-1797

Special Voltage Motors

General Purpose – Totally Enclosed & Drip-Proof - 575 Volt - 200/400 Volt
50 HZ - Medium Voltage Designs
Steel Frame – Aluminum Frame – Cast Iron Frame



- Standard, EPACT and Premium efficient ratings
- Inverter rated
- Class B insulation systems – 42, 48 and 56 frames
- Class F insulation system – 140 frame and higher
- Shielded ball bearings for direct coupled applications. Contact your local sales office for belted load applications
- Rolled steel, aluminum, and cast iron frame material designs
- Continuous duty
- Dynamically balanced rotors
- Torques exceed NEMA performance standards
- UL recognized and CSA certified

Applications:

For use where special voltages are required. Ideally suited for use on pumps, compressors, fans, blowers, conveyors, machine tools and other industrial applications

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	LM25093	√	389	SRF4S0.33T65	16	575	0.4	71.0	1.15	11.32	S, US
1/2	3600	56	110714.00	√	391	C6T34NB6	25	575	0.6	82.5	1.15	10.40	S, US, 12
	3600	56	LM25094	C/A	397	SRF2S0.5T65	22	575	0.9	66.0	1.15	11.82	S, US
	1800	56	110199.00	√	427	C6T17NB4	25	575	0.8	78.5	1.15	9.88	S, US, 12
	1800	56	LM24154	√	445	SRF4S.5T65	22	575	0.9	70.0	1.25	10.72	S, MX
	1800	S56	101051.00	√	427	C4T17FH3	24	575	0.8	68.0	1.15	9.94	S, MX
	1200	56	LM24295	√	644	SRF6S0.5T65	24	575	1.1	68.0	1.15	11.82	S, MX
3/4	3600	56	110354.00	√	431	C6T34FB8	22	575	0.9	75.5	1.15	10.81	S, US
	3600	56	LM24110	C/A	439	SRF2S0.75T65	23	575	1.3	74.0	1.15	11.82	S, US
	1800	56	110178.00	√	453	C6T17FB3	22	575	1.1	77.0	1.15	10.81	S, US
	1800	56	LM25095	C/A	478	SRF4S0.75T65	30	575	1.2	75.5	1.15	11.82	S, US
	1200	56	111394.00	√	646	C6T11FB8	30	575	1.2	75.5	1.15	11.81	S, US
1	3600	56	110715.00	√	503	C6T34FB15	24	575	1.3	77.0	1.15	10.81	S, US
	3600	56	LM25096	C/A	516	SRF2S1T65	24	575	1.5	74.0	1.15	11.82	S, US
	1800	56	110206.00	√	476	C6T17FB4	24	575	1.5	77.0	1.15	11.31	S, US
	1800	56	LM25097	√	495	SRF4S1T65	27	575	1.5	77.0	1.15	12.32	S, MX
	1800	143T	121937.00	√	727	C143T17FB29	32	575	1.1	85.5	1.15	13.25	S, US
	1800	143T	LM24109	√	555	SSF4P1T65	36	575	1.2	82.5	1.25	12.87	S, MX
	1200	145T	121938.00	√	859	C145T11FB31	47	575	1.4	82.5	1.25	13.75	S, US
1 1/2	3600	145T	121939.00	√	742	C145T34FB41	33	575	1.6	84.0	1.25	13.25	S, US
	3600	56	LM25098	√	567	SRF2S1.5T65	25	575	1.8	80.0	1.15	11.82	S, US
	3600	143T	LM25102	C/A	598	SSF2P1.5T65	34	575	1.6	82.5	1.25	12.87	S, US
	1800	56	110893.00	√	536	C6T17FB37	30	575	2.0	78.5	1.15	11.81	S, US
	1800	56H	LM25099	C/A	526	SRF4S1.5T65	30	575	1.9	80.0	1.15	12.32	S, US
	1800	145T	121940.00	√	754	C145T17FB90	34	575	1.8	86.5	1.15	13.75	S, US
	1800	145T	LM24142	√	530	SSF4P1.5T65	48	575	1.7	84.0	1.15	14.37	S, MX
	1200	182T	132251.00	√	1252	C182T11FB13	89	575	2.5	87.5	1.15	15.96	S, MX
	1200	182T	LM17059	C/A	972	AF6B1.5T65	83	575	2.5	86.5	1.25	15.96	A, US
	1200	182T	LM33596	C/A	972	AF6B1.5T65AP26	83	575	2.5	86.5	1.25	15.96	A, MX
	1200	182T	LM16379	C/A	822	AF6P1.5T65	85.5	575	2.0	85.5	1.25	15.19	A, US
	1200	182T	LM33597	C/A	822	AF6P1.5T65AP26	85.5	575	2.0	85.5	1.25	15.19	A, MX
2	3600	56H	LM25100	√	634	SRF2S2T65	39	575	2.8	80.0	1.15	11.82	S, US
	3600	145T	121941.00	√	812	C145T34FB42	44	575	2.1	85.5	1.15	13.75	S, US
	3600	145T	LM25103	√	690	SSF2P2T65	39	575	2.1	84.0	1.25	13.37	S, US
	1800	56H	LM25101	C/A	558	SRF4S2T65	40	575	2.3	82.5	1.15	13.82	S, US
	1800	145T	LM24108	√	558	SSF4PT65	45	575	2.2	84.0	1.25	13.87	S, MX
	1800	145T	121942.00	√	785	C145T17FB91	45	575	2.2	86.5	1.15	14.76	S, US
	1200	184T	132252.00	√	1275	C184T11FB26	92	575	2.9	88.5	1.15	15.96	S, MX
	1200	184T	LM17062	C/A	1080	AF6B2T65	92	575	2.9	87.5	1.25	15.96	A, US
	1200	184T	LM33598	C/A	1080	AF6B2T65AP26	92	575	2.9	87.5	1.25	15.96	A, MX
	1200	184T	LM16382	C/A	898	AF6P2T65	102	575	2.4	86.5	1.25	15.19	A, US
	1200	184T	LM33599	C/A	898	AF6P2T65AP26	102	575	2.4	86.5	1.25	15.19	A, MX

Green items are Premium Efficient

♥ Note listing on inside back flap

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▼ LM Numbers are Lincoln Models

C/A - Check Availability

Other stock 575V motors are available from LEESON through our Canadian facility.
Contact LEESON for availability.

Specifications are subject to change without notice

View On-line Technical Information

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	145T	171624.60	√	1127	C182T34FB7	66	575	3.0	86.5	1.15	13.96	C, CN
	3600	182T	LM17063	C/A	1101	AF2B3T65	83	575	3.1	87.5	1.25	15.19	A, US
	3600	182T	LM33600	C/A	1101	AF2B3T65AP26	83	575	3.1	87.5	1.25	15.19	A, MX
	3600	182T	LM16383	C/A	830	AF2P3T65	72	575	3.0	85.5	1.25	14.19	A, US
	3600	182T	LM33601	C/A	830	AF2P3T65AP26	72	575	3.0	85.5	1.25	14.19	A, US
	1800	182T	132253.00	√	888	C182T17FB52	80	575	3.3	89.5	1.15	14.96	S, MX
	1800	182T	LM17064	√	928	AF4B3T65	83	575	3.2	89.5	1.25	15.19	A, US
	1800	182T	LM33602	C/A	928	AF4B3T65AP26	83	575	3.2	89.5	1.25	15.19	A, MX
	1800	182T	LM16384	√	748	AF4P3T65	77	575	3.4	87.5	1.25	14.19	A, US
	1800	182T	LM33603	C/A	748	AF4P3T65AP26	77	575	3.4	87.5	1.25	14.19	A, MX
	1200	213T	LM17065	C/A	1298	AF6B3T65	127	575	3.9	89.5	1.25	17.20	A, US
	1200	213T	LM16385	C/A	1221	AF6P3T65	127	575	3.9	87.5	1.25	17.20	A, US
5	3600	184T	132254.00	√	1007	C184T34FB24	88	575	4.8	88.5	1.15	16.46	S, MX
	3600	184T	LM17066	C/A	1220	AF2BT65	92	575	5.0	88.5	1.25	15.19	A, US
	3600	184T	LM33604	C/A	1220	AF2BT65AP26	92	575	5.0	88.5	1.25	15.19	A, MX
	3600	184T	LM16386	C/A	1010	AF2P5T65	174	575	5.0	87.5	1.25	15.19	A, US
	3600	184T	LM33605	C/A	1010	AF2P5T65AP26	174	575	5.0	87.5	1.25	15.19	A, MX
	1800	184T	132255.00	√	976	C184T17FB64	94	575	5.2	89.5	1.15	15.96	S, MX
	1800	184T	LM17067	C/A	1086	AF4B5T65	87	575	5.0	90.2	1.25	16.19	A, US
	1800	184T	LM33606	C/A	1086	AF4B5T65AP26	87	575	5.0	90.2	1.25	16.19	A, MX
	1800	184T	LM16387	√	864	AF4P5T65	87.5	575	5.2	87.5	1.25	15.19	A, US
	1800	184T	LM33488	C/A	864	AF4P5T65AP26	87.5	575	5.2	87.5	1.25	15.19	A, MX
	1200	215T	LM17068	C/A	1801	AF6B5T65	89.5	575	6.0	89.5	1.25	18.70	A, US
	1200	215T	LM16388	√	1567	AF6P5T65	155	575	6.0	87.5	1.25	18.70	A, US
	900	254T	LM33171	C/A	2543	AF8P5T65	165	575	— —	85.5	1.15	— —	A, US
7 1/2	3600	213T	170196.60	√	1438	C213T34FB43	156	575	7.4	90.2	1.25	19.84	C, CN
	3600	213T	LM17069	C/A	1482	AF2B7.5T65	127	575	7.2	91.0	1.25	17.20	A, US
	3600	213T	LM16389	C/A	1605	AF2P7.5T65	143	575	7.2	88.5	1.25	17.20	A, US
	1800	213T	141116.00	√	1254	C213T17FB20	144	575	8.2	91.7	1.25	18.70	S, MX
	1800	213T	LM17070	C/A	1427	AF4B7.5T65	127	575	8.0	88.5	1.25	19.70	A, US
	1800	213T	LM16391	√	1333	AF4P7.5T65	160	575	8.0	91.0	1.25	19.70	A, US
	1200	254T	LM17071	C/A	2467	AF6B7.5T65	209	575	— —	91.0	1.25	— —	A, US
	1200	254T	LM16392	C/A	2160	AF6P7.5T65	209	575	— —	91.0	1.25	— —	A, US
10	3600	215T	170197.60	√	1703	C215T34FB48	181	575	9.5	91.7	1.25	19.61	C, CN
	3600	215T	LM17072	C/A	1799	AF2B10T65	138	575	9.4	91.0	1.25	19.61	A, US
	3600	215T	LM16394	C/A	1894	AF2P10T65	138	575	9.4	89.5	1.25	19.61	A, US
	1800	215T	170212.60	√	1653	C215T17FB44	177	575	10.1	91.7	1.25	19.61	C, CN
	1800	215T	LM17073	C/A	1800	AF4B10T65	138	575	10.8	91.0	1.25	18.70	A, US
	1800	215T	LM16395	√	1376	AF4P10T65	138	575	10.8	89.5	1.25	18.70	A, US
	1200	256T	LM17074	C/A	3111	AF6B10T65	236	575	12.8	91.0	1.25	25.15	A, US
	1200	256T	LM16397	C/A	2725	AF6P10T65	386	575	12.8	89.5	1.25	25.15	A, US

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View On-line Technical Information

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
15	3600	254T	170198.60	√	2313	C254T34FB5	282	575	13.8	92.4	1.25	23.19	C, CN
	3600	254T	LM17075	C/A	2467	AF2B15T65	209	575	13.8	91.7	1.25	23.19	A, US
	3600	254T	LM16398	C/A	2102	AF2P15T65	209	575	13.8	90.2	1.25	23.19	A, US
	1800	254T	170116.60	√	2238	C254T17FB11	280	575	14.8	92.4	1.25	23.19	C, CN
	1800	254T	LM17076	C/A	2212	AF4B15T65	209	575	15.6	92.4	1.25	23.40	A, US
	1800	254T	LM16400	√	1974	AF4P15T65	240	575	15.6	91.0	1.25	23.40	A, US
	1200	284T	LM17077	C/A	4166	AF6B15T65	363	575	19.2	92.4	1.25	26.62	A, US
	1200	284T	LM16401	C/A	3572	AF6P15T65	369	575	19.2	90.2	1.25	26.62	A, US
20	3600	256T	170199.60	√	2828	C256T34FB11	316	575	18.4	92.4	1.25	24.92	C, CN
	3600	256T	LM17078	C/A	2938	AF2B20T65	236	575	18.8	91.7	1.25	24.24	A, US
	3600	256T	LM16403	√	2495	AF2P20T65	290	575	18.8	90.2	1.25	24.24	A, US
	1800	256T	170117.60	√	2800	C256T17FB5	322	575	19.2	93.0	1.25	24.92	C, CN
	1800	256T	LM15919	√	2340	AF4B20T65	236	575	20.0	91.0	1.25	25.15	A, US
	1800	256T	LM17079	C/A	2775	AF4P20T65	275	575	21.0	93.0	1.25	25.15	A, US
	1200	286T	LM17080	C/A	5470	AF6B20T65	408	575	– –	93.0	1.25	– –	A, US
	1200	286T	LM16404	C/A	4207	AF6P20T65	408	575	– –	90.2	1.25	– –	A, US
25	3600	284TS	170224.60	√	3677	C284T34FB6	383	575	22.0	93.0	1.25	24.88	C, CN
	3600	284TS	LM17081	C/A	4073	AF2B25TS65	363	575	22.8	93.0	1.25	25.12	A, US
	3600	284TS	LM16406	C/A	3450	AF2P25TS65	410	575	22.8	91.7	1.25	25.12	A, US
	1800	284T	170118.60	√	3473	C284T17FB6	385	575	23.7	93.6	1.25	– –	C, CN
	1800	284T	LM17082	C/A	3674	AF4B25T65	363	575	26.4	94.1	1.25	26.62	A, US
	1800	284T	LM16407	C/A	3324	AF4P25T65	320	575	26.4	92.4	1.25	26.62	A, US
	1200	324T	LM14409	C/A	6237	SF6B25T65Y	504	575	25.6	93.0	1.25	28.50	S, US
	1200	324T	LM14397	C/A	5352	SF6P25T65Y	504	575	25.2	91.7	1.25	28.50	S, US
30	3600	286TS	170228.60	√	4341	C286T34FB6D	385	575	26.2	93.0	1.25	26.46	C, CN
	3600	286TS	LM20085	C/A	4577	AF2B30TS65Y	485	575	26.4	93.6	1.25	26.62	A, US
	3600	286TS	LM19594	C/A	3916	AF2P30TS65Y	408	575	28.0	91.0	1.25	26.62	A, US
	1800	286T	170119.60	√	4046	C286T17FB6	432	575	29.0	94.1	1.25	27.83	C, CN
	1800	286T	LM20086	C/A	4838	AF4B30T65Y	408	575	30.0	93.6	1.25	28.12	A, US
	1800	286T	LM19595	√	3739	AF4P30T65Y	585	575	30.5	92.4	1.25	28.12	A, US
	1200	326T	LM14412	C/A	6901	SF6B30T65Y	558	575	30.0	92.4	1.25	30.56	S, US
	1200	326T	LM14400	C/A	6306	SF6P30T65Y	570	575	30.0	91.7	1.25	30.56	S, US
40	3600	324TS	170232.60	√	5414	C324T34FB4	504	575	36.0	93.6	1.25	28.03	C, CN
	3600	324TS	LM14407	C/A	5788	SF2B40TS65Y	504	575	36.0	94.1	1.25	28.03	S, US
	3600	324TS	LM14395	C/A	5005	SF2P40TS65Y	504	575	36.0	91.7	1.25	28.03	S, US
	1800	324TS	170120.60	√	5375	C324T17FB6	528	575	38.1	94.1	1.25	29.53	C, CN
	1800	324T	LM14408	C/A	5565	SF4B40T65Y	504	575	42.4	94.1	1.25	28.50	S, US
	1800	324T	LM14396	C/A	4813	SF4P40T65Y	504	575	42.4	93.0	1.15	28.50	S, US
	1200	364T	LM18368	C/A	8094	SF6B40T65Y	765	575	47.0	94.5	1.25	31.90	S, US
	1200	364T	LM18365	C/A	6929	SF6P40T65Y	765	575	47.0	93.0	1.15	31.90	S, US
50	3600	326TS	LM14410	C/A	7346	SF2B50TS65Y	558	575	45.0	93.0	1.15	28.50	S, US
	3600	326TS	LM14398	C/A	6352	SF2P50TS65Y	558	575	45.0	92.4	1.15	28.50	S, US
	1800	326T	170121.60	√	6492	C326T17FB8	587	575	46.7	94.5	1.25	31.02	C, CN
	1800	326T	LM14411	C/A	6678	SF4B50T65Y	558	575	51.6	95.0	1.25	30.00	S, US
	1800	326T	LM14399	√	5405	SF4P50T65Y	558	575	51.6	93.0	1.25	30.00	S, US
	1200	365T	LM18374	C/A	10119	SF6B50T65Y	822	575	58.0	94.5	1.25	32.90	S, US
	1200	365T	LM18371	√	8666	SF6P50T65Y	822	575	58.0	93.0	1.25	32.90	S, US

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Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	364TS	LM18370	C/A	9110	SF2B60TS65Y	765	575	53.0	95.0	1.25	29.77	S, US
	3600	364TS	LM18367	C/A	7797	SF2P60TS65Y	765	575	53.0	93.0	1.25	29.77	S, US
	1800	364T	170239.60	√	9234	C364T17FB7	666	575	54.4	95.4	1.25	32.64	C, CN
	1800	364T	LM18369	C/A	8905	SF4B60T65Y	765	575	58.0	95.0	1.25	31.90	S, US
	1800	364T	LM18366	√	7821	SF4P60T65Y	765	575	58.0	93.6	1.25	31.90	S, US
	1200	404T	LM18289	C/A	11890	SF6B60T65Y	918	575	––	94.5	1.15	––	S, US
	1200	404T	LM18288	C/A	9943	SF6P60T65Y	918	575	––	93.6	1.15	––	S, US
75	3600	365TS	LM18376	C/A	11737	SF2B75TS65Y	822	575	66.5	95.0	1.25	30.77	S, US
	3600	365TS	LM18373	C/A	10052	SF2P75TS65Y	822	575	66.5	93.0	1.25	30.77	S, US
	1800	365T	170244.60	√	11523	C365T17FB5	733	575	68.7	95.8	1.25	33.62	C, CN
	1800	365T	LM18375	C/A	11636	SF4B75T65Y	822	575	73.0	95.0	1.15	32.90	S, US
	1800	365T	LM18372	√	9865	SF4P75T65Y	822	575	73.0	94.1	1.25	32.90	S, US
	1200	405T	LM18293	C/A	15433	SF6B75T65Y	1002	575	84.0	94.5	1.15	17.25	S, US
	1200	405T	LM18294	C/A	12904	SF6P75T65Y	1002	575	84.0	93.6	1.15	17.25	S, US
100	3600	405TS	LM18291	C/A	16494	SF2B100TS65Y	1002	575	––	95.8	1.15	––	S, US
	3600	405TS	LM18290	C/A	13753	SF2P100TS65Y	1002	575	––	94.1	1.15	––	S, US
	1800	405T	170253.60	√	14329	C405T17FB5	1070	575	89.6	95.4	1.25	37.91	C, CN
	1800	405T	LM18307	C/A	14670	SF4B100T65Y	1002	575	––	95.4	1.15	––	S, US
	1800	405T	LM18292	C/A	11918	SF4P100T65Y	1002	575	––	94.5	1.15	––	S, US
	1200	444T	LM15121	C/A	19723	SF6B100T65Y	1351	575	––	95.4	1.15	––	S, US
	1200	444T	LM15080	C/A	15865	SF6P100T65Y	1351	575	––	94.1	1.15	––	S, US
125	3600	444TS	LM15119	C/A	21148	SF2B125TS65Y	1351	575	106.0	95.8	1.15	37.49	S, US
	3600	444TS	LM15078	C/A	16750	SF2P125TS65Y	1351	575	106.0	94.5	1.15	37.49	S, US
	1800	444T	LM15120	C/A	19587	SF4B125T65Y	1351	575	117.0	96.2	1.15	41.58	S, US
	1800	444T	LM15079	√	15931	SF4P125T65Y	1351	575	117.0	94.5	1.15	41.58	S, US
	1200	445T	LM15127	C/A	23932	SF6B125T65Y	1531	575	138.0	95.8	1.15	43.58	S, US
	1200	445T	LM15086	C/A	18951	SF6P125T65Y	1504	575	138.0	94.1	1.15	43.58	S, US
150	3600	445TS	LM15125	C/A	26176	SF2B150TS65Y	1531	575	––	94.5	1.15	––	S, US
	3600	445TS	LM15084	C/A	20730	SF2P150TS65Y	1504	575	––	94.5	1.15	––	S, US
	1800	445T	LM15126	C/A	22932	SF4B150T65Y	1531	575	136.0	96.2	1.15	43.56	S, US
	1800	445T	LM15085	C/A	18479	SF4P150T65Y	1531	575	136.0	95.0	1.15	43.56	S, US
	1200	445T	LM15124	C/A	28048	SF6B150T65Y	1531	575	––	95.8	1.15	––	S, US
	1200	445T	LM15083	C/A	22212	SF6P150T65Y	1504	575	––	95.0	1.15	––	S, US
200	3600	445TS	LM15122	C/A	33170	SF2B200TS65Y	1531	575	––	96.2	1.15	––	S, US
	3600	445TS	LM15081	C/A	26270	SF2P200TS65Y	1504	575	––	95.0	1.15	––	S, US
	1800	445T	LM15123	C/A	27606	SF4B200T65Y	1531	575	188.0	96.2	1.15	43.58	S, US
	1800	445T	LM15082	√	22854	SF4P200T65Y	1531	575	188.0	95.0	1.15	43.58	S, US
	1200	447T	LM15131	C/A	32055	SF6B200T65Y	1812	575	203.0	95.8	1.15	52.08	S, US
	1200	447T	LM15091	C/A	25387	SF6P200T65Y	1812	575	203.0	95.0	1.15	52.08	S, US

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View On-line Technical Information

Special Voltage Motors

575 Volt - Three Phase - TEFC

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
250	3600	447TS	LM15128	C/A	40073	SF2B250TS65Y	1812	575	——	96.2	1.15	——	S, US
	3600	447TS	LM15087	C/A	31733	SF2P250TS65Y	1812	575	——	95.4	1.0	——	S, US
	1800	447T	LM15130	C/A	32944	SF4B250T65Y	1812	575	226.0	95.4	1.15	47.08	S, US
	1800	447T	LM15092	C/A	27278	SF4P250T65Y	1812	575	231.0	95.0	1.15	——	S, US
	1200	449T	LM15137	C/A	40062	SF6B250T65Y	2185	575	——	95.4	1.15	——	S, US
	1200	449T	LM15099	C/A	31733	SF6P250T65Y	2185	575	——	95.0	1.15	——	S, US
300	3600	449TS	LM15138	C/A	49885	S449F2B300TS65Y	2185	575	——	96.2	1.15	——	S, US
	3600	449TS	LM15098	C/A	38785	S449F2P300TS65Y	2185	575	——	95.4	1.15	——	S, US
	1800	447T	LM15129	C/A	36064	SF4B300T65Y	1812	575	282.0	96.2	1.15	47.08	S, US
	1800	447T	LM15089	C/A	28519	SF4P300T65Y	1800	575	282.0	95.4	1.0	47.08	S, US
350	3600	449TS	LM15135	C/A	54320	SF2B350TS65Y	2185	575	——	95.8	1.15	——	S, US
	3600	449TS	LM15096	C/A	43013	SF2P350TS65Y	2185	575	——	95.4	1.0	——	S, US
	1800	449T	LM15136	C/A	44525	SF4B350T65Y	2185	575	322.0	96.2	1.15	52.06	S, US
	1800	449T	LM15097	C/A	31015	SF4P350T65Y	2185	575	316.0	95.4	1.15	52.06	S, US
400	3600	449TS	LM15132	C/A	66339	SF2B400TS65Y	2185	575	——	95.8	1.0	——	S, US
	3600	449TS	LM15093	C/A	52538	SF2P400TS65Y	2185	575	——	95.4	1.0	——	S, US
	1800	449T	LM15133	C/A	51201	SF4B400T65Y	2185	575	382.0	96.2	1.15	52.08	S, US
	1800	449T	LM15094	C/A	39066	SF4P400T65Y	2185	575	382.0	95.4	1.0	52.08	S, US

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575 Volt - TEFC - C Face Less Base

Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	110176.00	√	453	C6T17NC10	20	575	0.8	79.0	1.15	9.94	S, US, 12
3/4	1800	56C	110177.00	√	486	C6T17FC7	21	575	1.1	77.0	1.15	10.81	S, US, 13
1	1800	56C	110204.00	√	520	C6T17FC8	30	575	1.5	77.0	1.15	11.31	S, US, 13
	1800	143TC	G120176.00	√	535	C143T17FC22	32	575	1.2	82.5	1.15	12.25	S, US, 13
1 1/2	1800	56C	111444.00	√	551	C6T17FC39	33	575	2.0	78.5	1.15	11.81	S, US, 13
	1800	145TC	G120177.00	√	580	C145T17FC61	31	575	1.8	84.0	1.15	12.75	S, US, 13
2	3600	56C	111611.00	√	608	C6T34FC26	34	575	2.2	82.5	1.15	12.31	S, US, 13
	1800	145TC	G120178.00	√	618	C145T17FC60	45	575	2.3	84.0	1.15	13.75	S, US, 13
3	1800	182TC	G131498.00	√	711	C182T17FC36	68	575	3.3	87.5	1.15	13.97	S, MX, 13
5	1800	184TC	G131499.00	√	858	C184T17FC47	76	575	5.2	87.5	1.15	14.97	S, MX, 13

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LEESON

Special Voltage Motors

TEFC 575 Volt C Face With Feet

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	LM25042	√	439	SRF4S0.33TC65	21	575	0.6	65.5	1.15	10.19	S, MX
1/2	3600	56C	LM25043	C/A	447	SRF2S0.5TC65	22	575	0.6	66.5	1.15	11.31	S, US
	1800	56C	LM24355	√	494	SRF4S0.5TC65	18	575	0.9	70.0	1.15	10.69	S, MX
3/4	3600	56C	LM25044	C/A	491	SRF2S0.75TC65	24	575	1.3	74.0	1.15	11.81	S, US
	1800	56C	LM24354	√	527	SRF4S0.75TC65	21	575	1.1	75.5	1.15	11.19	S, MX
1	3600	56C	LM25045	C/A	566	SRF2S1TC65	25	575	1.5	74.0	1.15	11.81	S, US
	1800	56C	LM25046	√	546	SRF4S1TC65	26	575	1.4	77.0	1.15	12.31	S, MX
	1800	143TC	LM25051	C/A	570	SSF4P1TC65	41	575	1.2	82.5	1.25	12.87	S, MX
1 1/2	3600	143TC	LM25052	C/A	650	SSF2P1.5TC65	41	575	0.6	82.5	1.25	10.19	S, MX
	3600	56C	LM25047	C/A	577	SRF2S1.5TC65	41	575	1.9	80.0	1.15	12.32	S, MX
	1800	56HC	LM25048	√	577	SRF4S1.5TC65	31	575	1.9	80.0	1.15	12.32	S, MX
	1800	145TC	LM24158	√	580	SSF4P1.5TC65	49	575	1.7	84.0	1.15	14.37	S, MX
	1200	182TC	LM17175	C/A	1048	AF6B1.5TC65	95	575	——	86.5	1.25	——	A, US
	1200	182TC	LM33607	C/A	1048	AF6B1.5TC65AP26	95	575	——	86.5	1.25	——	A, MX
	1200	182TC	LM16582	C/A	899	AF6P1.5TC65	95	575	——	85.5	1.25	——	A, US
	1200	182TC	LM33608	C/A	899	AF6P1.5TC65AP26	95	575	——	85.5	1.25	——	A, MX
2	3600	56HC	LM25049	C/A	684	SRF2S2TC65	31	575	2.4	80.0	1.15	12.32	S, US
	3600	145TC	LM25053	C/A	741	SSF2P2TC65	40	575	2.1	84.0	1.25	13.37	S, US
	1800	56HC	LM25050	√	586	SRF4S2TC65	50	575	2.3	82.5	1.15	13.82	S, US
	1800	145TC	LM24137	√	609	SSF4P2TC65	47	575	2.3	84.0	1.15	13.87	S, MX
	1200	184TC	LM17179	C/A	1158	AF6B2TC65	104	575	2.9	87.5	1.25	15.96	A, US
	1200	184TC	LM33609	C/A	1158	AF6B2TC65AP26	104	575	2.9	87.5	1.25	15.96	A, MX
	1200	184TC	LM16587	C/A	977	AF6P2TC65	104	575	2.4	86.5	1.25	15.19	A, US
	1200	184TC	LM33610	C/A	977	AF6P2TC65AP26	104	575	2.4	86.5	1.25	15.19	A, MX
3	3600	182TC	LM17180	C/A	1136	AF2B3TC65	95	575	3.1	87.5	1.25	15.19	A, US
	3600	182TC	LM33611	C/A	1136	AF2B3TC65AP26	95	575	3.1	87.5	1.25	15.19	A, MX
	3600	182TC	LM16589	C/A	909	AF2P3TC65	95	575	3.0	85.5	1.25	14.19	A, US
	3600	182TC	LM33612	C/A	909	AF2P3TC65AP26	95	575	3.0	85.5	1.25	14.19	A, MX
	1800	182TC	LM17181	C/A	1006	AF4B3TC65	95	575	3.2	89.5	1.25	15.19	A, US
	1800	182TC	LM33613	C/A	1006	AF4B3TC65AP26	95	575	3.2	89.5	1.25	15.19	A, MX
	1800	182TC	LM16590	C/A	823	AF4P3TC65	95	575	3.4	87.5	1.25	14.19	A, US
	1800	182TC	LM33614	C/A	823	AF4P3TC65AP26	95	575	3.4	87.5	1.25	14.19	A, MX
	1200	213TC	LM17182	C/A	1384	AF6B3TC65	138	575	3.9	89.5	1.25	17.20	A, US
	1200	213TC	LM16591	C/A	1244	AF6P3TC65	138	575	3.9	87.5	1.25	17.20	A, US
5	3600	184TC	LM17183	C/A	1296	AF2B5TC65	104	575	5.0	88.5	1.25	15.19	A, US
	3600	184TC	LM33615	C/A	1296	AF2B5TC65AP26	104	575	5.0	88.5	1.25	15.19	A, MX
	3600	184TC	LM16592	C/A	1086	AF2P5TC65	104	575	5.0	87.5	1.25	15.19	A, US
	3600	184TC	LM33616	C/A	1086	AF2P5TC65AP26	104	575	5.0	87.5	1.25	15.19	A, MX
	1800	184TC	LM17184	C/A	1167	AF4B5TC65	104	575	5.0	89.5	1.25	16.19	A, US
	1800	184TC	LM33617	C/A	1167	AF4B5TC65AP26	104	575	5.0	89.5	1.25	16.19	A, MX
	1800	184TC	LM16593	√	941	AF4P5TC65	104	575	5.2	87.5	1.25	15.19	A, MX
	1800	184TC	LM33490	C/A	941	AF4P5TC65AP26	104	575	5.2	87.5	1.25	15.19	A, US
	1200	215TC	LM17185	C/A	1889	AF6B5TC65	149	575	6.0	89.5	1.25	18.70	A, US
	1200	215TC	LM16594	C/A	1657	AF6P5TC65	149	575	6.0	87.5	1.25	18.70	A, US

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LEESON®

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	213TC	LM17186	C/A	1570	AF2B7.5TC65	138	575	7.2	91.0	1.25	17.20	A, US
	3600	213TC	LM16595	C/A	1374	AF2P7.5TC65	175	575	7.2	88.5	1.25	17.20	A, US
	1800	213TC	LM17187	C/A	1514	AF4B7.5TC65	138	575	8.0	91.0	1.25	19.70	A, US
	1800	213TC	LM16596	C/A	1357	AF4P7.5TC65	127	575	8.0	89.5	1.25	19.70	A, US
	1200	254TC	LM17188	C/A	2585	AF6B7.5TC65	221	575	——	91.0	1.25	——	A, US
	1200	254TC	LM16597	C/A	2279	AF6P7.5TC65	221	575	——	89.5	1.25	——	A, US
10	3600	215TC	LM17189	C/A	1961	AF2B10TC65	149	575	9.4	91.0	1.25	19.61	A, US
	3600	215TC	LM16598	C/A	1793	AF2P10TC65	210	575	9.4	89.5	1.25	19.61	A, US
	1800	215TC	LM17190	C/A	1888	AF4B10TC65	149	575	10.8	91.0	1.25	18.70	A, US
	1800	215TC	LM16599	√	1439	AF4P10TC65	200	575	10.8	89.5	1.25	18.70	A, US
	1200	256TC	LM17191	C/A	3231	AF6B10TC65	248	575	12.8	91.0	1.25	25.15	A, US
	1200	256TC	LM16600	C/A	2844	AF6P10TC65	200	575	12.8	89.5	1.25	25.15	A, US
15	3600	254TC	LM17192	C/A	2586	AF2B15TC65	221	575	13.8	91.7	1.25	23.19	A, US
	3600	254TC	LM16601	C/A	2404	AF2P15TC65	185	575	13.8	90.2	1.25	23.19	A, US
	1800	254TC	LM17193	C/A	2329	AF4B15TC65	221	575	15.6	92.4	1.25	23.40	A, US
	1800	254TC	LM16602	√	2090	AF4P15TC65	260	575	15.6	91.0	1.25	23.40	A, US
	1200	284TC	LM17194	C/A	4373	AF6B15TC65	370	575	19.2	92.4	1.25	26.62	A, US
	1200	284TC	LM16603	C/A	3778	AF6P15TC65	500	575	19.2	90.2	1.25	26.62	A, US
20	3600	256TC	LM17195	C/A	3055	AF2B20TC65	248	575	18.8	91.7	1.25	24.24	A, US
	3600	256TC	LM16604	C/A	2612	AF2P20TC65	248	575	18.8	90.2	1.25	24.24	A, US
	1800	256TC	LM17196	C/A	2892	AF4B20TC65	248	575	21.0	93.0	1.25	25.15	A, US
	1800	256TC	LM16605	√	2460	AF4P20TC65	300	575	20.0	91.0	1.25	25.15	A, US
	1200	286TC	LM17197	C/A	5673	AF6B20TC65	415	575	——	93.0	1.25	——	A, US
	1200	286TC	LM16606	C/A	4412	AF6P20TC65	415	575	——	90.2	1.25	——	A, US
25	3600	284TSC	LM17198	C/A	4279	AF2B25TSC65	370	575	22.8	93.0	1.25	25.12	A, US
	3600	284TSC	LM16607	C/A	3530	AF2P25TSC65	370	575	22.8	91.0	1.25	25.12	A, US
	1800	284TC	LM17199	C/A	3878	AF4B25TC65	370	575	26.4	94.1	1.25	26.62	A, US
	1800	284TC	LM16608	C/A	3334	AF4P25TC65	370	575	26.4	92.4	1.25	26.62	A, US
	1200	324TC	LM14563	C/A	6578	SF6B25TC65Y	514	575	25.6	93.0	1.25	28.50	S, US
	1200	324TC	LM14551	C/A	5693	SF6P25TC65Y	500	575	25.2	91.7	1.25	28.50	S, US
30	3600	286TSC	LM20087	C/A	4779	AF2B30TSC65Y	415	575	26.4	93.0	1.25	26.62	A, US
	3600	286TSC	LM19596	C/A	4120	AF2P30TSC65Y	415	575	28.0	91.0	1.25	26.62	A, US
	1800	286TC	LM20088	C/A	5039	AF4B30TC65Y	415	575	30.0	94.5	1.25	28.12	A, US
	1800	286TC	LM19597	√	3945	AF4P30TC65Y	415	575	30.5	92.4	1.25	28.12	A, US
	1200	326TC	LM14566	C/A	7240	SF6B30TC65Y	568	575	30.0	92.4	1.25	30.56	S, US
	1200	326TC	LM14554	C/A	6308	SF6P30TC65Y	580	575	30.0	91.7	1.25	30.56	S, US
40	3600	324TSC	LM14561	C/A	6128	SF2B40TSC65Y	514	575	36.0	94.1	1.25	28.03	S, US
	3600	324TSC	LM14549	C/A	5344	SF2P40TSC65Y	514	575	36.0	91.7	1.25	28.03	S, US
	1800	324TC	LM14562	C/A	5904	SF4B40TC65Y	514	575	42.4	94.1	1.25	28.50	S, US
	1800	324TC	LM14550	C/A	5155	SF4P40TC65Y	518	575	42.4	93.0	1.25	28.50	S, US
	1200	364TC	LM20035	C/A	8641	SF6B40TC65Y	777	575	47.0	94.5	1.25	31.90	S, US
	1200	364TC	LM19598	C/A	7474	SF6P40TC65Y	777	575	47.0	93.0	1.25	31.90	S, US
50	3600	326TSC	LM14564	C/A	7685	SF2B50TSC65Y	568	575	45.0	94.1	1.25	28.50	S, US
	3600	326TSC	LM14552	√	6694	SF2P50TSC65Y	568	575	45.0	92.4	1.25	28.50	S, US
	1800	326TC	LM14565	C/A	7018	SF4B50TC65Y	568	575	51.6	95.0	1.25	30.00	S, US
	1800	326TC	LM14553	C/A	5755	SF4P50TC65Y	568	575	51.6	93.0	1.25	30.00	S, US
	1200	365TC	LM20036	C/A	10664	SF6B50TC65Y	834	575	58.0	94.5	1.25	32.90	S, US
	1200	365TC	LM19599	C/A	9211	SF6P50TC65Y	834	575	58.0	93.0	1.25	32.90	S, US

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Special Voltage Motors

TEFC 575 Volt C Face With Feet

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	364TSC	LM20037	C/A	9653	SF2B60TSC65Y	777	575	53.0	95.0	1.25	29.77	S, US
	3600	364TSC	LM19600	C/A	8344	SF2P60TSC65Y	777	575	53.0	93.0	1.25	29.77	S, US
	1800	364TC	LM20038	C/A	10057	SF4B60TC65Y	778	575	58.0	95.0	1.25	31.90	S, US
	1800	364TC	LM19603	C/A	8378	SF4P60TC65Y	778	575	58.0	93.6	1.25	31.90	S, US
	1200	404TC	LM20039	C/A	12536	SF6B60TC65Y	934	575	——	94.5	1.15	——	S, US
	1200	404TC	LM19601	C/A	10591	SF6P60TC65Y	934	575	——	93.6	1.15	——	S, US
75	3600	365TSC	LM20040	C/A	12284	SF2B75TSC65Y	834	575	66.5	95.0	1.25	30.77	S, US
	3600	365TSC	LM19602	C/A	10597	SF2P75TSC65Y	834	575	66.5	93.0	1.25	30.77	S, US
	1800	365TC	LM20041	C/A	12180	SF4B75TC65Y	834	575	73.0	95.0	1.15	32.90	S, US
	1800	365TC	LM15921	√	10410	SF4P75TC65Y	835	575	73.0	94.1	1.25	32.90	S, US
	1200	405TC	LM20042	C/A	16078	SF6B75TC65Y	1018	575	84.0	94.5	1.15	17.25	S, US
	1200	405TC	LM19604	C/A	13551	SF6P75TC65Y	1018	575	84.0	93.6	1.15	17.25	S, US
100	3600	405TSC	LM20043	C/A	17140	SF2B100TSC65Y	1018	575	——	95.8	1.15	——	S, US
	3600	405TSC	LM19605	C/A	14400	SF2P100TSC65Y	1018	575	——	93.6	1.15	——	S, US
	1800	405TC	LM20044	C/A	15320	SF4B100TC65Y	1001	575	——	95.4	1.15	——	S, US
	1800	405TC	LM19606	C/A	12582	SF4P100TC65Y	1018	575	——	94.5	1.15	——	S, US
	1200	444TC	LM20045	C/A	20527	SF6B100TC65Y	1372	575	——	95.4	1.15	——	S, US
	1200	444TC	LM19607	C/A	16669	SF6P100TC65Y	1372	575	——	94.1	1.15	——	S, US
125	3600	444TSC	LM20046	C/A	21950	SF2B125TSC65Y	1372	575	106.0	95.8	1.15	37.49	S, US
	3600	444TSC	LM19608	C/A	17551	SF2P125TSC65Y	1372	575	106.0	94.5	1.15	37.49	S, US
	1800	444TC	LM20047	C/A	20392	SF4B125TC65Y	1372	575	117.0	96.2	1.15	41.58	S, US
	1800	444TC	LM19609	C/A	16753	SF4P125TC65Y	1372	575	117.0	94.5	1.15	41.58	S, US
	1200	445TC	LM20048	C/A	24733	SF6B125TC65Y	1552	575	138.0	95.8	1.15	43.58	S, US
	1200	445TC	LM19610	C/A	19751	SF6P125TC65Y	1525	575	138.0	94.1	1.15	43.58	S, US
150	3600	445TSC	LM20049	C/A	27095	SF2B150TSC65Y	1552	575	——	96.2	1.15	——	S, US
	3600	445TSC	LM19611	C/A	21534	SF2P150TSC65Y	1525	575	——	94.5	1.15	——	S, US
	1800	445TC	LM20050	C/A	23735	SF4B150TC65Y	1552	575	136.0	96.2	1.15	43.56	S, US
	1800	445TC	LM19612	C/A	19294	SF4P150TC65Y	1525	575	136.0	95.0	1.15	43.56	S, US
	1200	445TC	LM20051	C/A	28853	SF6B150TC65Y	1552	575	——	95.8	1.15	——	S, US
	1200	445TC	LM19613	C/A	23016	SF6P150TC65Y	1525	575	——	95.0	1.15	——	S, US
200	3600	445TSC	LM20052	C/A	33972	SF2B200TSC65Y	1552	575	——	96.2	1.15	——	S, US
	3600	445TSC	LM19614	C/A	27071	SF2P200TSC65Y	1525	575	——	95.0	1.15	——	S, US
	1800	445TC	LM20053	C/A	28408	SF4B200TC65Y	1552	575	188.0	96.2	1.15	43.58	S, US
	1800	445TC	LM17685	C/A	23692	SF4P200TC65Y	1537	575	188.0	95.0	1.15	43.58	S, US
	1200	447TC	LM20054	C/A	32915	SF6B200TC65Y	1833	575	203.0	95.8	1.15	52.08	S, US
	1200	447TC	LM19615	C/A	26246	SF6P200TC65Y	1833	575	203.0	95.0	1.15	52.08	S, US
250	3600	447TSC	LM20055	C/A	40929	SF2B250TSC65Y	1833	575	——	96.2	1.15	——	S, US
	3600	447TSC	LM19616	C/A	32593	SF2P250TSC65Y	1833	575	——	95.4	1.0	——	S, US
	1800	447TC	LM20056	C/A	33805	SF4B250TC65Y	1833	575	226.0	96.2	1.15	47.08	S, US
	1800	447TC	LM19617	C/A	28177	SF4P250TC65Y	1833	575	231.0	95.0	1.15	47.08	S, US

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LEESON®

Special Voltage Motors

TEFC 575 Volt C Face with Feet

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
300	3600	449TSC	LM20058	C/A	50744	S449F2B300TSC65Y	2206	575	——	96.2	1.15	——	S, US
	3600	449TSC	LM19619	C/A	39644	S449F2P300TSC65Y	2206	575	——	95.4	1.15	——	S, US
	1800	447TC	LM20059	C/A	36923	SF4B300TC65Y	1833	575	282.0	96.2	1.15	47.08	S, US
	1800	447TC	LM19620	C/A	29441	SF4P300TC65Y	1833	575	282.0	95.4	1.00	47.08	S, US
350	3600	449TSC	LM20061	C/A	55179	SF2B350TSC65Y	2206	575	——	95.8	1.15	——	S, US
	3600	449TSC	LM19623	C/A	43875	SF2P350TSC65Y	2206	575	——	95.4	1.00	——	S, US
	1800	449TC	LM20062	C/A	45383	SF4B350TC65Y	2206	575	322.0	96.2	1.15	52.06	S, US
	1800	449TC	LM19624	C/A	30460	SF4P350TC65Y	2206	575	316.0	95.4	1.15	52.06	S, US
400	3600	449TSC	LM20063	C/A	67197	SF2B400TSC65Y	2206	575	——	95.8	1.00	——	S, US
	3600	449TSC	LM19625	C/A	53397	SF2P400TSC65Y	2206	575	——	95.4	1.00	——	S, US
	1800	449TC	LM20064	C/A	52061	SF4B400TC65Y	2206	575	382.0	96.2	1.15	52.08	S, US
	1800	449TC	LM19626	C/A	39988	SF4P400TC65Y	2206	575	382.0	95.4	1.00	52.08	S, US

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Special Voltage Motors

575 Volt Motors - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	LM25054	√	339	SRD4S0.33T65	15	575	0.6	65.5	1.15	9.97	S, MX
1/2	3600	56	LM25055	C/A	341	SRD2S0.5T65	22	575	——	66.0	1.25	——	S, MX
	1800	56	LM24161	√	391	SRD4S0.5T65	17	575	0.9	70.0	1.25	10.47	S, MX
3/4	3600	56	LM25056	C/A	401	SRD2S0.75T65	21	575	——	74.0	1.25	——	S, MX
	1800	56	LM25057	√	433	SRD4S0.75T65	20	575	1.2	75.5	1.15	10.44	S, MX
1	3600	56	LM25058	√	464	SRD2S1T65	24	575	1.5	74.0	1.25	10.44	S, US
	1800	56	LM25059	√	450	SRD4S1T65	22	575	1.5	77.0	1.15	10.94	S, US
	1800	143T	LM24170	C/A	469	SSD4P1T65	34	575	1.2	82.5	1.25	12.49	S, US
1 1/2	3600	56	LM25060	C/A	520	SRD2S1.5T65	23	575	2.0	80.0	1.15	10.44	S, US
	3600	143T	LM25065	C/A	560	SSD2P1.5T65	28	575	——	82.5	1.25	——	S, US
	1800	56H	LM25061	√	478	SRD4S1.5T65	28	575	1.9	80.0	1.15	10.94	S, MX
	1800	145T	LM25066	C/A	496	SSD4P1.5T65	40	575	1.8	84.0	1.25	12.49	S, US
2	3600	56H	LM25062	√	608	SRD2S2T65	25	575	2.5	80.0	1.15	10.44	S, US
	3600	145T	LM25067	C/A	660	SSD2P2T65	28	575	——	84.0	1.25	——	S, US
	1800	56H	LM25063	√	589	SRD4S2T65	36	575	2.5	81.5	1.15	11.94	S, US
	1800	145T	LM24124	C/A	566	SSD4P2T65	44	575	2.7	84.0	1.25	12.99	S, MX
3	3600	56H	LM25064	C/A	580	SRD2S3T65	33	575	3.3	84.0	1.15	11.44	S, US
	3600	145T	LM25068	C/A	606	SSD2P3T65	33	575	——	84.0	1.25	——	S, US
	1800	182T	LM24227	√	584	SSD4P3T65	83	575	3.0	86.5	1.25	13.72	S, MX
5	3600	182T	LM25069	C/A	679	SSD2P5T65	88	575	——	86.5	1.25	——	S, MX
	1800	184T	LM25070	C/A	650	SSD4P5T65	87	575	5.3	87.5	1.25	14.22	S, MX
7 1/2	3600	184T	LM25071	√	936	SSD2P7.5T65	88	575	7.1	87.5	1.15	14.72	S, MX
	1800	213T	LM33247	C/A	918	SSD4P7.5T65	121	575	——	88.5	1.25	——	S, MX
10	1800	215T	LM24231	√	1127	SSD4P10T65	138	575	10.0	89.5	1.25	17.29	S, MX
15	1800	254T	LM24219	√	1630	SSD4P15T65	215	575	15.3	91.0	1.25	22.32	S, US
20	1800	256T	LM24232	√	2048	SSD4P20T65	233	575	20.8	91.0	1.25	22.32	S, US
25	1800	284T	LM29581	C/A	2777	CCD4P25T65Y	350	575	24.4	91.7	1.25	23.49	C, US
30	3600	284TS	LM20081	C/A	3222	SD2P30TS65Y	348	575	——	91.0	1.25	——	S, US
	1800	286T	LM29865	C/A	3222	CCD4P30T65Y	400	575	28.8	92.4	1.25	24.99	C, US
40	3600	286TS	LM15599	C/A	4164	SD2P40TS65Y	389	575	36.0	91.7	1.25	23.25	S, US
	1800	324T	LM14402	C/A	4170	SD4P40T65Y	469	575	42.5	93.0	1.25	25.82	S, US
50	3600	324TS	LM14401	C/A	5677	SD2P50TS65Y	469	575	44.5	92.4	1.25	24.32	S, US
	1800	326T	LM14405	√	4710	SD4P50T65Y	522	575	52.0	93.0	1.25	27.32	S, US

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Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
60	3600	326TS	LM14404	√	5903	SD2P60TS65Y	522	575	52.5	93.0	1.25	25.82	S, US
	1800	364T	LM18378	C/A	5967	SD4P60T65Y	712	575	58.0	93.6	1.25	28.40	S, US
75	3600	364TS	LM18379	C/A	7896	SD2P75TS65Y	712	575	65.0	93.0	1.25	26.27	S, US
	1800	365T	LM18384	√	7518	SD4P75T65Y	763	575	75.0	94.1	1.25	29.40	S, US
100	3600	365TS	LM18385	C/A	9171	SD2P100TS65Y	763	575	87.0	93.0	1.25	27.27	S, US
	1800	404T	LM18298	C/A	7989	SD4P100T65Y	882	575	96.0	94.1	1.25	31.81	S, US
125	3600	404TS	LM18296	C/A	11138	SD2P125TS65Y	882	575	136.0	93.6	1.25	29.18	S, US
	1800	405T	LM18306	C/A	9199	SD4P125T65Y	958	575	152.0	95.4	1.25	33.31	S, US
150	3600	405TS	LM18302	C/A	13318	SD2P150TS65Y	958	575	134.0	93.6	1.25	30.68	S, US
	1800	444T	LM15101	C/A	12381	SD4P150T65Y	1277	575	140.0	95.0	1.15	37.43	S, US
200	3600	444TS	LM15100	C/A	16342	SD2P200TS65Y	1277	575	173.0	94.5	1.25	33.50	S, US
	1800	445T	LM15106	C/A	14497	SD4P200T65Y	1449	575	190.0	95.0	1.15	39.43	S, US
250	3600	445TS	LM15103	C/A	21793	SD2P250TS65Y	1438	575	213.0	94.5	1.15	39.49	S, US
	1800	445T	LM15104	C/A	20100	SD4P250T65Y	1438	575	——	95.4	1.15	——	S, US
300	3600	447TS	LM15111	C/A	25422	SD2P300TS65Y	1745	575	253.0	95.0	1.15	39.00	S, US
	1800	447T	LM15061	C/A	21221	SD4P300T65Y	1745	575	279.0	95.4	1.15	42.93	S, US
350	3600	447TS	LM15108	C/A	27965	SD2P350TS65Y	1745	575	295.0	95.0	1.15	39.00	S, US
	1800	447T	LM15109	C/A	24420	SD4P350T65Y	1745	575	376.0	95.4	1.15	42.93	S, US
400	3600	449TS	LM15116	C/A	31631	SD2P400TS65Y	2112	575	——	95.4	1.15	——	S, US
	1800	449T	LM15117	C/A	30508	SD4P400T65Y	2112	575	——	95.4	1.15	——	S, US

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Special Voltage Motors

575 Volt Motors - Drip-Proof - C Face With Base

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 575 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	LM25072	C/A	388	SRD4S0.33TC65	15	575	0.6	67.0	1.35	9.80	S, US
1/2	3600	56C	LM25073	C/A	391	SRD2S0.5TC65	18	575	——	66.0	1.25	——	S, US
	1800	56C	LM25074	C/A	440	SRD4S0.5TC65	17	575	1.0	68.0	1.15	10.44	S, US
3/4	3600	56C	LM25075	C/A	451	SRD2S0.75TC65	21	575	——	74.0	1.25	——	S, US
	1800	56C	LM25076	C/A	485	SRD4S0.75TC65	20	575	1.1	75.5	1.25	10.80	S, US
1	3600	56C	LM25077	C/A	516	SRD2S1TC65	24	575	——	74.0	1.25	——	S, US
	1800	56C	LM25078	C/A	500	SRD4S1TC65	22	575	1.5	77.0	1.15	10.94	S, US
	1800	143TC	LM25084	C/A	557	SSD4P1TC65	34	575	1.2	82.5	1.25	12.49	S, US
1 1/2	3600	56C	LM25079	C/A	570	SRD2S1.5TC65	23	575	——	80.0	1.15	——	S, US
	1800	56HC	LM25080	C/A	527	SRD4S1.5TC65	28	575	1.9	80.0	1.15	10.94	S, US
	1800	145TC	LM25085	C/A	586	SSD4P1.5TC65	40	575	——	84.0	1.25	——	S, US
2	3600	56HC	LM25081	C/A	629	SRD2S2TC65	25	575	2.8	80.0	1.15	10.44	S, US
	1800	56C	LM25082	C/A	626	SRD4S2TC65	36	575	2.5	81.5	1.15	11.94	S, US
	1800	145TC	LM25086	C/A	626	SSD4P2TC65	44	575	——	84.0	1.25	——	S, US
3	3600	56HC	LM25083	C/A	629	SRD2S3TC65	33	575	——	84.0	1.15	——	S, US
	1800	182TC	LM25087	C/A	734	SSD4P3TC65	83	575	3.4	86.5	1.25	14.46	S, MX
5	1800	184TC	LM25088	√	838	SSD4P5TC65	93	575	5.2	87.5	1.25	14.96	S, MX
7 1/2	1800	213TC	LM25089	√	1081	SSD4P7.5TC65	115	575	7.7	88.5	1.25	18.03	S, MX
10	1800	215TC	LM25090	√	1330	SSD4P10TC65	138	575	10.0	89.5	1.25	18.03	S, MX
15	1800	254TC	LM25091	C/A	1746	SSD4P15TC65	215	575	15.4	91.0	1.25	26.64	S, US
20	1800	256TC	LM25092	C/A	2165	SSD4P20TC65	233	575	20.8	91.0	1.25	22.64	S, US
25	1800	284TC	LM30138	C/A	2986	CCD4P25TC65	350	575	24.4	91.7	1.25	23.44	C, US
30	1800	286TC	LM30139	C/A	3433	CCD4P30TC65	396	575	28.8	92.4	1.25	13.25	C, US
40	1800	324TC	LM14556	C/A	4517	SD4P40TC65Y	479	575	42.5	93.0	1.25	25.91	S, US
50	1800	326TC	LM14559	C/A	5059	SD4P50TC65Y	535	575	52.0	93.0	1.25	27.41	S, US
60	1800	364TC	LM19713	C/A	6386	SD4P60TC65Y	724	575	——	93.6	1.25	——	S, US
75	1800	365TC	LM19716	C/A	6889	SD4P75TC65Y	771	575	75.0	94.1	1.25	29.35	S, US
100	1800	404TC	LM19719	C/A	8656	SD4P100TC65Y	898	575	——	94.1	1.25	——	S, US
125	1800	405TC	LM19722	C/A	9867	SD4P125TC65Y	974	575	——	94.5	1.25	——	S, US
150	1800	444TC	LM19725	C/A	13207	SD4P150TC65Y	1292	575	140.0	95.0	1.15	37.25	S, US
200	1800	445TC	LM19728	C/A	15306	SD4P200TC65Y	1470	575	——	95.0	1.25	——	S, US
250	1800	445TC	LM19731	C/A	20900	SD4P250TC65Y	1459	575	——	95.4	1.15	——	S, US
300	1800	447TC	LM19734	C/A	22097	SD4P300TC65Y	1766	575	——	95.4	1.15	——	S, US

▼ LM Numbers are Lincoln Models

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View On-line Technical Information

Special Voltage Motors

200/400 Volt - Drip-Proof - Rigid Base

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 200 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	LM24156	√	382	SRD4S0.5T62	17	200/400	2.5	70.0	1.25	10.47	S, MX
1/2	1200	56	LM25599	C/A	547	SRD6S0.5T62	22	200/400	2.3	74.0	1.25	10.44	S, US
3/4	3600	56	LM05332	C/A	367	RD2S0.75T62	26	200/400	——	72.0	1.25	——	S, MX
	1800	56	LM24163	√	408	SRD3S0.75T62	23	200/400	3.2	75.5	1.25	10.97	S, MX
	1200	56	LM05345	C/A	555	RD6S0.75T62	26	200/400	——	72.0	1.15	——	S, MX
1	3600	56	LM05342	C/A	423	RD2S1T62	26	200/400	——	75.5	1.25	——	S, MX
	1800	143T	LM33053	C/A	529	SD4P1T62	32	200/400	——	82.5	1.15	——	S, MX
	1200	145T	LM33054	C/A	637	SD6P1T62	36	200/400	——	80.0	1.15	——	S, MX
1 1/2	3600	143T	LM33055	C/A	556	SD2P1.5T62	32	200/400	——	82.5	1.15	——	S, MX
	1800	145T	LM33056	C/A	554	SSD4PT62	35	200/400	——	84.0	1.15	——	S, MX
2	1800	145T	LM33057	C/A	568	SSD4P2T62	48	200/400	——	84.0	1.15	——	S, MX
3	3600	145T	LM33058	C/A	687	SD2P3T62	38	200/400	——	84.0	1.15	——	S, MX
	1800	182T	LM33059	√	646	SSD4P3T62	75	200/400	10.1	86.5	1.15	12.69	S, MX
	1200	213T	LM33060	C/A	1025	SD6P3T62	99	200/400	——	86.5	1.15	——	S, MX
5	3600	183T	LM33061	C/A	822	SD2P5T62	58	200/400	——	85.5	1.15	——	S, MX
	1800	184T	G131500.00	√	667	C184T17DB78	62	200-208/400-416	15.4	86.0	1.15	13.19	S, MX
	1800	182T	LM33062	√	746	SSD4P5T62	82	200/400	15.2	87.5	1.15	13.19	S, MX
	1200	215T	LM33063	C/A	1252	SD6P5T62	115	200/400	——	87.5	1.15	——	S, MX
7 1/2	3600	184T	LM33064	C/A	944	SSD2P7.5T62	85	200/400	——	87.5	1.15	——	S, MX
	1800	213T	G141124.00	√	950	C213T17DB15	133	200-208/400-416	22.0	84.0	1.15	17.09	S, MX
	1800	213T	LM33247	C/A	918	SSD4P7.5T62	103	200/400	22.0	84.0	1.15	17.29	S, MX
10	1800	215T	G140004.00	√	1162	C215T17DB33	138	200-208/400-416	32.0	86.5	1.15	15.76	S, MX
	1800	215T	LM32681	√	1252	SSD4P10T62	120	200/400	28.8	91.7	1.15	18.54	S, MX
15	1800	254T	LM26334	√	1781	SSD4P15T62	164	200/400	44.0	91.0	1.15	22.32	S, US
20	3600	254T	LM33065	C/A	2178	SSD2P20T62	200	200/400	——	90.2	1.15	——	S, US
	1800	256T	LM32675	√	2126	SSD4P20T62	200	200/400	57.5	91.0	1.15	22.32	S, US
25	3600	256T	LM33066	C/A	2993	SSD2P25T62	250	200/400	——	91.0	1.15	——	S, US
	1800	284T	LM33067	C/A	3520	SD4P25T62	278	200/400	——	91.7	1.15	——	S, US
30	3600	284TS	LM32683	C/A	3784	SD2P30TS62	285	200/400	——	91.0	1.15	——	S, US
	1800	286T	LM32670	C/A	3750	SD4P30T62	325	200/400	87.5	92.4	1.15	24.99	S, US
40	3600	286TS	LM33068	C/A	4096	SD2P40TS62	325	200/400	——	91.7	1.15	——	S, US
	1800	324T	LM32680	√	4086	SD4P40T62	378	200/400	147.0	93.0	1.15	25.82	S, US
50	3600	324TS	LM33069	C/A	5379	SD2P50TS62	410	200/400	——	92.4	1.15	——	S, US
	1800	326T	LM33070	C/A	4420	SD4P60T62	444	200/400	150.0	93.0	1.15	27.32	S, US
60	3600	326TS	LM33071	C/A	5842	SD2P60TS62	462	200/400	——	93.0	1.15	——	S, US
	1800	364T	LM33072	C/A	6030	SD4P60T62	575	200/400	——	93.6	1.15	——	S, US
75	3600	364TS	LM33073	C/A	7690	SD2P75TS62	618	200/400	——	93.0	1.15	——	S, US
	1800	365T	LM33074	C/A	6305	SD4P75T62	660	200/400	——	94.1	1.15	——	S, US
100	3600	365TS	LM33075	C/A	8752	SD2P100TS62	680	200/400	——	93.0	1.15	——	S, US
	1800	404T	LM33076	C/A	8382	SD4P100T62	767	200/400	——	94.1	1.15	——	S, US
125	1800	405T	LM33077	C/A	9320	SD4P125T62	910	200/400	——	94.5	1.15	——	S, US

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View On-line Technical Information

Special Voltage Motors

200/400 Volt - TEFC - Rigid Base

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 200 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56	LM02676	C/A	378	SRF4S0.33T62	28	200/400	— —	72.0	1.15	— —	S, US
1/2	1800	56	LM02682	C/A	463	SRF4S0.5T62	28	200/400	— —	74.0	1.15	— —	S, US
	1200	56	LM02679	C/A	586	SRF6S0.5T62	28	200/400	— —	70.0	1.15	— —	S, US
3/4	3600	56	LM02694	C/A	475	SRF2S0.75T62	28	200/400	— —	74.0	1.15	— —	S, US
	1800	56	LM02691	C/A	475	SRF4S0.75T62	30	200/400	— —	74.0	1.15	— —	S, US
	1200	56	LM02688	C/A	598	SRF6S0.75T62	28	200/400	3.6	74.0	1.15	12.32	S, US
1	3600	56	LM02703	C/A	475	SRF2S1T62	28	200/400	3.5	75.5	1.15	11.82	S, US
	1800	56	110255.00	√	499	C6T17FB8	30	200-208	4.4	77.0	1.15	11.31	S, US
	1800	56	LM02700	C/A	495	SRF4S1T62	28	200/400	— —	78.5	1.15	— —	S, US
	1800	143T	G120047.00	C/A	545	C143T17FB28	32	200-208	4.4	77.0	1.15	12.75	S, US
	1800	143T	LM33078	C/A	594	SS4P1T62	32	200/400	3.8	82.5	1.15	13.87	S, US
	1200	56H	LM02697	C/A	606	SRF6S1T62	36	200/400	— —	72.0	1.15	— —	S, US
	1200	145T	LM33079	C/A	726	SRF6P1T62	36	200/400	— —	80.0	1.15	— —	S, US
	900	182T	LM33080	C/A	1210	AF8S1T62	68	200/400	— —	74.0	1.15	— —	A, US
	900	182T	LM33618	C/A	1210	AF8S1T62AP26	68	200/400	— —	74.0	1.15	— —	A, MX
1 1/2	3600	143T	LM33081	C/A	626	SSF2P1.5T62	42	200/400	— —	82.5	1.15	— —	S, US
	1800	56H	LM02706	C/A	520	SRF4S1.5T62	72	200/400	— —	80.0	1.15	— —	S, US
	1800	145T	G120032.00	√	553	C145T17FB88	35	200-208	5.6	80.0	1.15	12.75	S, US
	1800	145T	LM33083	C/A	1435	SF4P1.5T62	72	200/400	— —	84.0	1.15	— —	S, US
	1200	182T	LM33082	C/A	810	AF6P1.5T62	76	200/400	— —	85.5	1.15	— —	A, US
	1200	182T	LM33619	C/A	810	AF6P1.5T62AP26	76	200/400	— —	85.5	1.15	— —	A, MX
2	3600	56H	LM02715	C/A	575	SRF2ST62	36	200/400	— —	78.5	1.15	— —	S, US
	1800	56H	LM02712	C/A	615	SRF4S2T62	36	200/400	— —	80.0	1.15	— —	S, US
	1800	145T	G120034.00	√	585	C145T17FB89	38	200-208	7.2	81.5	1.15	12.75	S, US
	1800	145T	LM33084	C/A	662	SSF4P2T62	42	200/400	— —	84.0	1.15	— —	S, US
	1200	184T	LM33085	C/A	1198	AF6P2T62	76	200/400	— —	86.5	1.15	— —	A, US
	1200	184T	LM33620	C/A	1198	AF6P2T62AP26	76	200/400	— —	86.5	1.15	— —	A, MX
	900	213T	LM33086	C/A	1817	AF8P2T62	107	200/400	— —	82.5	1.15	— —	A, US
3	3600	182T	G131465.00	√	682	C182T17FB51	82	200-208/400-416	10.0	84.0	1.15	12.96	S, US
	3600	182T	LM33087	C/A	908	AF2P3T62	73	200/400	— —	85.5	1.15	— —	A, US
	3600	182T	LM33621	C/A	908	AF2P3T62AP26	73	200/400	— —	85.5	1.15	— —	A, MX
	1800	182T	LM33088	C/A	830	AF4P3T62	78	200/400	— —	87.5	1.15	— —	A, US
	1800	182T	LM33622	C/A	830	AF4P3T62AP26	78	200/400	— —	87.5	1.15	— —	A, MX
	1200	213T	LM33089	C/A	1282	AF6P3T62	100	200/400	— —	87.5	1.15	— —	A, US
	900	215T	LM33090	C/A	1925	AF8P3T62	125	200/400	— —	84.0	1.15	— —	A, US
5	3600	184T	LM33091	C/A	1096	AF2P5T62	80	200/400	— —	87.5	1.15	— —	A, US
	3600	184T	LM33623	C/A	1096	AF2P5T62AP26	80	200/400	— —	87.5	1.15	— —	A, MX
	1800	184T	G131466.00	√	787	C184T17FB63	63	200-208/400-416	15.4	86.0	1.15	13.96	S, MX
	1800	184T	LM26285	C/A	943	AAF4P5T62	78	200/400	15.0	87.5	1.25	15.19	A, US
	1800	184T	LM33624	C/A	943	AAF4P5T62AP26	78	200/400	15.0	87.5	1.25	15.19	A, MX
	1200	215T	LM33093	C/A	1496	AF6P5T62	122	200/400	— —	87.5	1.15	— —	A, US
	900	254T	LM33094	C/A	2705	AF8P5T62	125	200/400	— —	85.5	1.15	— —	A, US

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View On-line Technical Information

LEESON®

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 200 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
7 1/2	3600	213T	LM33095	C/A	1473	AF2P7.5T62	110	200/400	——	88.5	1.15	——	A, US
	1800	213T	G141123.00	√	1006	C213T17FB19	144	200-208/400-416	23.0	87.0	1.15	17.58	S, MX
	1800	213T	LM33096	C/A	1330	AF4P7.5T62	108	200/400	23.0	89.5	1.15	17.95	A, US
	1200	254T	LM33097	C/A	2300	AF6P7.5T62	165	200/400	——	89.5	1.15	——	A, US
	900	256T	LM33098	C/A	3201	AF8P7.5T62	202	200/400	——	85.5	1.15	——	A, US
10	3600	215T	LM33099	C/A	1787	AF2P10T62	124	200/400	——	89.5	1.15	——	A, US
	1800	215T	G140013.00	√	1223	C215T17FB29	168	200-208/400-416	29.6	87.5	1.15	18.21	S, MX
	1800	215T	LM32690	C/A	1457	AF4P10T62	126	200/400	——	89.5	1.15	——	A, US
	1200	256T	LM33100	C/A	2612	AF6P10T62	205	200/400	——	89.5	1.15	——	A, US
15	3600	254T	LM33101	C/A	2483	AF2P15T62	172	200/400	——	90.2	1.15	——	A, US
	1800	254T	LM32691	C/A	2344	AF4P15T62	152	200/400	43.5	91.0	1.15	23.52	A, US
20	3600	256T	LM33102	C/A	2886	AF2P20T62	205	200/400	——	90.2	1.15	——	A, US
	1800	256T	LM33103	√	2662	AF4P20T62	202	200/400	58.5	91.0	1.15	14.87	A, US
25	1200	324T	LM33104	C/A	6135	SF6P25T62	479	200/400	——	91.7	1.15	——	S, US
30	1200	326T	LM33105	C/A	6671	SF6P30T62	355	200/400	——	91.7	1.15	——	S, US
40	3600	324TS	LM02323	C/A	4295	SF2P40TS62	396	200/400	——	91.7	1.15	——	S, US
	1800	324T	LM02005	C/A	4048	SF4P40T62	479	200/400	——	93.0	1.15	——	S, US
	1200	364T	LM02578	C/A	7712	SF6P40T62	724	200/400	——	91.7	1.15	——	S, US
50	3600	326T	LM02159	C/A	5322	SF2P50TS62	479	200/400	——	92.4	1.15	——	S, US
	1800	326T	LM02010	C/A	4593	SF4P50T62	532	200/400	140.0	93.0	1.15	30.56	S, US
	1200	365T	LM02460	C/A	6946	SF6P50T62	775	200/400	——	93.0	1.15	——	S, US
60	3600	364TS	LM02579	C/A	7712	SF2P60TS62	532	200/400	——	93.0	1.15	——	S, US
	1800	364T	LM02386	C/A	6373	SF4P60T62	724	200/400	——	93.6	1.15	——	S, US
75	3600	365TS	LM02921	C/A	8387	SF2P75TS62	724	200/400	——	93.0	1.15	——	S, US
	1800	365T	LM02394	C/A	7054	SF4P75T62	775	200/400	212.0	94.1	1.15	29.41	S, US
100	1800	405T	LM02444	C/A	9545	SF4P100T62	898	200/400	——	94.5	1.15	——	S, US

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View On-line Technical Information

LEESON

Special Voltage Motors

50 Hertz Motors - Single Phase - Rigid Base

General Specifications:

50 Hz single phase designs produce full rated HP on 50 Hz power supply. Designed for general purpose applications.

Features:

- High efficiency energy saving designs
- Centrifugal switch designed for 50 Hz service
- High torque

Single Phase - Drip-Proof - Rigid Base - IP 22

HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 220 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1500	56	110394.00	√	451	C6C14DB5	22	110/220	None	3.2	1.35	9.88	S, US
1/2	3000	56	113901.00	√	404	C6C28DB24	25	110/220	None	3.8	1.25	10.34	S, US
	1500	56	110395.00	√	572	C6C14DB6	25	110/220	None	4.1	1.25	10.38	S, US
3/4	3000	56	113902.00	√	506	C6C28DB25	27	110/220	None	5.6	1.25	10.34	S, US
	1500	56	110396.00	√	687	C6C14DB7	30	110/220	None	5.9	1.25	10.88	S, US
1	3000	56	113903.00	√	562	C6C28DB26	31	110/220	None	6.6	1.25	10.84	S, US
	1500	56H	110397.00	√	757	C6C14DB8	35	110/220	None	6.4	1.15	11.88	S, US, 6
1 1⁄2	3000	56H	113904.00	√	722	C6C28DB27	37	110/220	None	8.6	1.15	11.84	S, US
	1500	56H	110398.00	√	853	C6K14DB1	43	110/220	None	8.4	1.15	12.35	S, US, 6, 53
2	3000	56H	113905.00	√	884	C6C28DB28	42	110/220	None	10.7	1.15	12.34	S, US
	1500	182T	131553.00	√	1026	C182C14DB3	70	220	None	11.8	1.15	13.69	S, US
3	3000	56H	113937.00	√	1047	C6K28DB5	47	220	None	12.4	1.15	12.84	S, US
	1500	184T	131554.00	√	1173	C184C14DB2	80	220	None	16.8	1.15	14.69	S, MX
5	1500	184T	131555.00	√	2399	C184K14DB9	95	220	None	23.2	1.15	15.69	S, MX, 53

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View On-line Technical Information

LEESON®

Special Voltage Motors

50 Hertz Motors - Single Phase - Rigid Base

Single Phase - TEFC - Rigid Base - IP54

HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 220 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3000	56	113916.00	√	416	C6C28FB25	25	110/220	None	3.2	1.0	10.81	S, US
	1500	56	110423.00	√	527	C6C14FB6	24	110/220	None	3.2	1.0	10.81	S, US
	1500	56	113908.00	√	532	M6C14FB22	26	110/220	Man.	3.2	1.0	10.81	S, US
1/2	3000	56	113917.00	√	445	C6C28FB26	27	110/220	None	3.8	1.0	11.31	S, US
	1500	56	110064.00	√	604	C6C14FB1	25	110/220	None	4.1	1.0	11.31	S, US
	1500	56	113909.00	√	604	M6C14FB23	29	110/220	Man.	4.1	1.15	11.31	S, US
3/4	3000	56	113918.00	√	506	C6C28FB27	29	110/220	None	5.6	1.0	11.31	S, US
	1500	56	110065.00	√	692	C6C14FB2	32	110/220	None	5.9	1.0	11.81	S, US
	1500	56	113910.00	√	717	M6C14FB24	32	110/220	Man.	5.9	1.0	11.81	S, US
1	3000	56	113919.00	√	587	C6C28FB28	32	110/220	None	6.6	1.0	11.81	S, US
	1500	56H	110066.00	√	832	C6C14FB3	38	110/220	None	6.4	1.0	12.81	S, US, 6
	1500	56	113911.00	√	832	M6C14FB25	34	110/220	Man.	6.4	1.0	12.31	S, US
1 1/2	3000	56H	113920.00	√	772	C6C28FB29	44	110/220	None	8.0	1.0	13.31	S, US
	1500	56H	110424.00	√	943	C6K14FB1	47	110/220	None	8.6	1.0	13.31	S, US, 6, 53
	1500	56H	113929.00	√	859	P6K14FB9	49	110/220	Man.	8.6	1.0	13.31	S, US, 6, 53
2	3000	56HZ	113928.00	√	935	C6C28FB24	44	110/220	None	10.7	1.0	13.76	S, US, 3
	1500	182T	131556.00	√	1413	C182C14FB6	95	220	None	11.2	1.0	15.96	S, MX
	1500	182T	131600.00	√	1395	P182C14FB5	71	220	Man.	12.0	1.0	14.96	S, MX
3	3000	145T	121070.00	√	1150	C145K28FB6	50	220	None	12.4	1.0	12.84	S, US, 53
	3000	56H	113936.00	√	1150	C6K28FB2	48	220	None	12.4	1.0	13.81	S, US, 53
	1500	184T	131557.00	√	2019	C184C14FB6	98	220	None	15.9	1.0	16.96	S, MX
	1500	184T	131601.00	√	1988	P184C14FB7	98	220	Man.	15.9	1.0	16.96	S, MX
5	3000	184T	131638.00	√	1331	C184K28FB2	98	220	None	20.5	1.0	17.46	S, US, 53
	1500	184T	131578.00	√	2561	C184K14FB5	103	220	None	21.0	1.0	17.46	S, US, 53
	1500	213TZ	140475.00	C/A	2574	P213K14FB1	163	220	Man.	24.5	1.0	18.71	S, US, 53

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Special Voltage Motors

50 Hertz Motors - Single Phase - Rigid Base

Single Phase - Drip-Proof - Resilient Base - IP22

HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 200 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	3000	56	114222.00	√	353	C6C28DR1	24	110/220	None	3.2	1.35	10.82	S, US
	1500	56	114223.00	√	462	C6C14DR18	24	110/220	None	3.2	1.35	10.81	S, US
1/2	3000	56	114224.00	C/A	412	C6C28DR2	26	110/220	None	3.8	1.25	11.32	S, US
	1500	56	114225.00	√	576	C6C14DR19	27	110/220	None	4.1	1.25	11.31	S, US
3/4	3000	56	114226.00	√	501	C6C28DR3	28	110/220	None	5.6	1.25	11.32	S, US
	1500	56	114227.00	√	688	C6C14DR16	31	110/220	None	5.9	1.25	11.81	S, US
1	3000	56	114228.00	√	570	C6C28DR4	31	110/220	None	6.6	1.25	11.82	S, US
	1500	56	114229.00	C/A	759	C6C14DR17	35	110/220	None	6.4	1.15	12.31	S, US
1 1/2	1500	56H	114231.00	√	852	C6K14DR12	42	110/220	None	8.4	1.15	13.32	S, US, 53
2	1500	56H	114233.00	√	1038	C6K14DR13	49	220	None	9.6	1.15	13.82	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase - TEFC - C Face Less Base - IP54

HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 200 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1500	56C	113921.00	√	542	M6C14FC5	22	110/220	Man.	3.2	1.0	10.81	S, US
1/2	3000	56C	113912.00	√	466	C6C28FC3	25	110/220	None	3.8	1.0	11.31	S, US
	1500	56C	113922.00	√	621	M6C14FC6	29	110/220	Man.	4.1	1.15	11.31	S, US
3/4	3000	56C	113913.00	√	518	C6C28FC4	28	110/220	None	5.6	1.0	11.31	S, US
	1500	56C	113923.00	√	710	M6C14FC7	31	110/220	Man.	5.9	1.0	11.81	S, US
1	3000	56C	113914.00	√	639	C6C28FC5	32	110/220	None	6.6	1.0	11.81	S, US
	1500	56C	113924.00	√	748	M6C14FC8	34	110/220	Man.	6.4	1.0	12.31	S, US
1 1/2	3000	56C	113915.00	√	831	C6C28FC6	43	110/220	None	8.0	1.0	13.31	S, US
	1500	56C	113925.00	√	907	P6K14FC4	42	110/220	Man.	8.6	1.0	13.31	S, US, 53
2	3000	145TC	120990.00	√	959	C145K28FC2	47	110/220	None	8.6	1.15	13.75	S, US, 53
	1500	182TC	131599.00	√	1429	P182C14FC2	70	220	Man.	12.0	1.0	14.97	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Special Voltage Motors

50 Hertz Motors - Three Phase

General Specifications:
Totally enclosed fan cooled,
12-lead motors designed specifically for 50 Hz service. These motors are intended for equipment built in North America and destined for use in 50 Hz service areas of the world.

Features:
- Suitable for 220/380 volt, 50 Hz, or 440 volt, 50 Hz, three phase power
- Torques exceed NEMA performance for Design B motors
- Construction meets IP 54 protection standards
- Class F insulation

Three Phase - TEFC - Rigid Base

kW/HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 220 V	Service Factor	"C" Dim. (Inches)	♥Notes
0.18/1/4	1500	48	102685.00	√	439	C4T14FB4	19	220/380/440	1.00	56.0	1.15	9.06	S, MX
0.25/1/3	3000	48	102686.00	√	438	C4T28FB2	19	220/380/440	0.80	60.0	1.15	9.93	S, US
	1500	48	102688.00	√	527	C4T14FB5	19	220/380/440	1.10	65.0	1.15	9.31	S, MX
	1500	S56	102183.00	√	493	C4T14FH1	19	220/380/440	1.10	65.0	1.15	9.69	S, MX
0.37/1/2	3000	48	102690.00	C/A	506	C4T28FB1	20	220/380/440	1.00	69.0	1.15	10.43	S, US
	1500	48	102692.00	√	595	C4T14FB3	20	220/380/440	1.40	72.0	1.15	9.81	S, MX
	1500	S56	102693.00	√	551	C4T14FH2	20	220/380/440	1.40	72.0	1.15	10.19	S, MX
	1500	56	114304.00	√	592	C6T14NB1	25	220/380/440	1.02	78.0	1.15	10.38	S, US, 12
0.55/3/4	3000	56	114306.00	√	536	C6T28FB4	24	220/380/440	1.75	72.0	1.15	10.81	S, US
	1500	56	114307.00	√	631	C6T14FB7	27	220/380/440	1.85	74.0	1.15	11.31	S, US
0.75/1	3000	56	114308.00	√	642	C6T28FB5	26	220/380/440	2.40	71.0	1.15	11.31	S, US
	1500	56	114888.00	√	638	C6T14FB8	28	220/380/440	2.00	77.0	1.15	11.31	S, US
	1500	143T	121096.00	√	638	C143T14FB2	35	220/380/440	2.00	77.0	1.15	12.75	S, US
1.1/11/2	3000	145T	121097.00	√	661	C145T28FB4	34	220/380/440	2.90	80.0	1.15	12.76	S, US
	1500	145T	121093.00	√	661	C145T14FB13	40	220/380/440	3.30	75.5	1.15	12.75	S, US
1.5/2	3000	145T	121094.00	C/A	715	C145T28FB5	42	220/380/440	3.60	80.0	1.15	12.76	S, US
	1500	145T	121095.00	√	748	C145T14FB14	40	220/380/440	3.65	81.5	1.15	13.25	S, US
2.2/3	3000	182T	131480.00	√	923	C182T28FB3	58	220/380/440	4.80	82.5	1.15	13.46	S, MX
	1500	182T	131459.00	√	883	C215T17FK20	64	220/380/440	4.70	84.0	1.15	13.46	S, MX
3.7/5	3000	184T	131481.00	√	1088	C184T28FB14	76	220/380/440	7.40	84.0	1.15	14.46	S, MX
	1500	184T	131454.00	√	1007	C213T34FK5	82	220/380/440	8.10	85.0	1.0	15.46	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Special Voltage Motors

50 Hertz Motors - Three Phase

Three Phase - TEFC - C Face Less Base - IP54 Enclosure Protection

kW/HP	SYN RPM 50 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 220 V	Service Factor	"C" Dim. (Inches)	♥Notes
0.18/1/4	1500	S56C	102184.00	√	466	C4T14FC2	18	220/380/440	1.00	56.0	1.15	9.44	S, MX
0.25/1/3	3000	S56C	102687.00	√	460	C4T28FC2	19	220/380/440	0.80	60.0	1.15	10.31	S, US
	1500	S56C	102689.00	√	503	C4T14FC4	19	220/380/440	1.10	65.0	1.15	9.69	S, MX
	1500	56C	114889.00	√	539	C6T14FC5	18	220/380/440	1.10	68.0	1.15	10.31	S, US
0.37/1/2	3000	S56C	102691.00	√	533	C4T28FC1	20	220/380/440	1.00	69.0	1.15	10.81	S, US
	1500	S56C	102694.00	√	592	C4T14FC3	20	220/380/440	1.40	72.0	1.15	10.19	S, MX
	1500	56C	114891.00	√	598	C6T14FC4	20	220/380/440	1.15	73.0	1.15	10.81	S, US
	1200	56C	114892.00	√	661	C6T9FC1	28	220/380/440	1.50	68.0	1.15	11.31	S, US
0.55/3/4	3000	56C	114893.00	√	536	C6T28FC1	24	220/380/440	1.75	72.0	1.15	10.81	S, US
	1500	56C	114894.00	√	639	C6T14FC6	27	220/380/440	1.85	74.0	1.15	11.31	S, US
0.75/1	3000	56C	114895.00	√	646	C6T28FC3	26	220/380/440	2.40	71.0	1.15	11.31	S, US
	1500	56C	114896.00	√	665	C6T14FC7	28	220/380/440	2.00	77.0	1.15	11.31	S, US
	1500	143TC	121272.00	√	665	C143T14FC2	31	220/380/440	2.00	77.0	1.15	11.75	S, US
	1200	145TC	121273.00	√	765	C145T9FC3	39	220/380/440	2.65	73.0	1.15	13.25	S, US
1.1/11/2	3000	143TC	121274.00	√	687	C143T28FC1	33	220/380/440	2.90	80.0	1.15	12.25	S, US
	1500	145TC	121275.00	√	696	C145T14FC6	37	220/380/440	3.30	75.5	1.15	12.75	S, US
1.5/2	3000	145TC	121276.00	√	688	C145T28FC1	41	220/380/440	3.60	80.0	1.15	12.75	S, US
	1500	145TC	121277.00	√	749	C145T14FC5	40	220/380/440	3.65	81.5	1.15	13.75	S, US
2.2/3	3000	182TC	131505.00	√	940	C182T28FC2	59	220/380/440	4.80	82.5	1.15	13.97	S, MX
	1500	182TC	131506.00	√	872	C182T14FC3	63	220/380/440	4.70	84.0	1.15	13.97	S, MX
3.7/5	3000	184TC	131507.00	√	1112	C184T28FC3	75	220/380/440	7.40	84.0	1.15	14.47	S, MX
	1500	184TC	131508.00	√	995	C184T14FC3	82	220/380/440	8.10	85.0	1.0	15.47	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Special Voltage Motors
Medium Voltage Motors
2300/4000 Volts - Three Phase - Foot Mount

Applications:
Ideally suited for applications requiring heavy duty, large horsepower electric motors. Typical uses include pulp and paper mills, mineral processing, waste management facilities, lumber and wood processing mills, automobile manufacturing plants and other severe duty environments where medium voltage power is available.

Features Frames 447T - 449T:
- Full cast iron construction
- Double shielded radial ball bearings
- Designed for direct coupled loads (contact your local Sales office about belted loads)
- Grease fittings with extended grease tubes
- Internal and external epoxy finish
- Premium Class H insulation system
- Front and rear cast iron bearing caps

Features Frames 5011 - 5013
- Full cast iron construction
- Double shielded radial ball bearings
- Designed for direct coupled loads (contact your local Sales office about belted loads)
- Grease fittings with extended grease tubes
- Corrosion resistant breather/drains
- Oversized cast iron terminal box
- Internal and external epoxy finish
- Premium Class H insulation system
- Inpro/Seal™ bearing isolators on each end
- Front and rear cast iron bearing caps
- Provision for jacking bolts in all four feet
- Provision for dowel pins in drive end feet
- Grounding points located in terminal box and feet
- 100 ohm platinum winding RTDs as standard on sizes 400 HP and larger
- Frame 5011 has mounting holes for 5010, 5011 and 5012 as standard
- Frame 5013 has mounting holes for 5012 and 5013 as standard

Three Phase • TEFC • Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F.L. Eff.	Service Factor	♥ Notes
150	1800	447T	LM22218	C/A	63409	CC447F4P150T6024	2850	2300/4000	93.6	1.15	C, US
	1200	449T	LM22216	C/A	79813	CC449F6P150T6024	2850	2300/4000	95.0	1.15	C, US
	900	5011LS	LM22214	C/A	102312	CC5011S8P150LS6024	5500	2300/4000	94.5	1.15	C, US
200	1800	447T	LM22219	C/A	67430	CC447F4P200T6024	2875	2300/4000	93.6	1.15	C, US
	1200	449T	LM22217	C/A	85955	CC449F6P200T6024	2875	2300/4000	95.4	1.15	C, US
	900	5011LS	LM22215	C/A	108000	CC5011S8P200LS6024	5500	2300/4000	95.0	1.15	C, US
250	1800	449T	LM22207	C/A	73302	CC449F4P250T6024	2920	2300/4000	94.1	1.15	C, US
	1200	5011LS	LM22221	C/A	87509	CC5011S6P250LS6025	5500	2300/4000	95.4	1.15	C, US
	900	5011LS	LM27283	C/A	111131	CC5011S8P250LS6024	5500	2300/4000	95.4	1.15	C, US
300	1800	449T	LM22220	C/A	82449	CC449F4P300T6024	2970	2300/4000	95.0	1.15	C, US
	1200	5011LS	LM22222	C/A	92859	CC5011S6P300LS6024	5500	2300/4000	95.8	1.15	C, US
	900	5013LS	LM27284	C/A	128078	CC5013S8P300LS6024	5500	2300/4000	95.4	1.15	C, US
350	1800	5011LS	LM22225	C/A	86638	CC5011S4P350LS6024	5500	2300/4000	95.4	1.15	C, US
	1200	5011LX	LM22223	C/A	100336	CC5011S6P350LX6024	5500	2300/4000	96.2	1.15	C, US
	900	5013LS	LM27285	C/A	141032	CC5013S8P350LS6024	5500	2300/4000	95.4	1.15	C, US
400	1800	5011LX	LM22226	C/A	89332	CC5011S4P400LX6024TD2	5500	2300/4000	95.8	1.15	C, US
	1200	5011LS	LM22224	C/A	106937	CC5011S6P400LS6024TD2	5500	2300/4000	96.2	1.15	C, US
450	1800	5011LX	LM22227	C/A	95055	CC5011S4P450LX6024TD2	5500	2300/4000	95.8	1.15	C, US
	1200	5013LS	LM27286	C/A	115301	CC5013S6P450LS6024TD2	7200	2300/4000	96.2	1.15	C, US
500	1800	5011LX	LM22488	C/A	100774	CC5011S4P500LX6024TD2	5500	2300/4000	96.5	1.15	C, US
	1200	5013LS	LM27287	C/A	122782	CC5013S6P500LS6024TD2	7200	2300/4000	96.2	1.15	C, US
600	1800	5011LX	LM27288	C/A	166951	CC5011S4P600LX6024TD2	5500	2300/4000	96.5	1.15	C, US
700	1800	5013LS	LM27289	C/A	171909	CC5013S4P700LS6024TD2	7200	2300/4000	96.5	1.15	C, US

▼ LM Numbers are Lincoln Models

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Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON

Definite Purpose Motors



Product Families Include:


Compressor Duty Motors
Compressor, Pump and Fan & Blower Duty

General Specifications:
Motors designed for air compressor, pump, and fan and blower duty applications which require high breakdown torque and rugged mechanical construction.

Mechanical Features:
- Double shielded ball bearings
- Designed for belted loads

Electrical Features:
- High efficient Class "F" copper windings
- High starting and breakdown torque
- Dual rotation

Rigid Base - Capacitor Start - General Purpose - Drip-Proof
Single Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1	3600	56	110160.00	√	430	M6C34DB6	27	115/230	Man.	6.7	SPEC	11.38	S, US
	1800	143T	120044.00	√	586	C143C17DB3	38	115/208-230	None	6.4	1.15	11.28	S, US
	1800	143T	LM24675	C/A	613	SSD4S1T1C602	33	115/208-230	None	6.4	1.15	11.49	S, US
	1800	143T	120003.00	√	616	M143C17DB2	33	115/208-230	Man.	6.4	1.15	11.13	S, US
1 1/2	3600	56	110161.00	√	471	P6C34DB7	33	115/230	Man.	10.0	SPEC	11.88	S, US
	1800	145T	120042.00	√	647	C145K17DB5	38	115/208-230	None	8.6	1.15	12.28	S, US, 53
	1800	145T	LM24687	√	678	SSD4S1.5T1C602	41	115/208-230	None	8.6	1.15	12.49	S, US
	1800	145T	120004.00	√	822	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	110232.00	√	492	M6C34DB11	33	115/230	Man.	11.0	SPEC	11.88	S, US
	1800	182T	131515.00	√	799	C182C17DB8	56	115/208-230	None	12.4	1.15	13.19	S, MX
	1800	182T	LM24678	√	826	SS182D4S2T1C6028	65	115/208-230	None	12.4	1.15	13.19	S, MX
	1800	182T	131536.00	√	855	P182C17DB10	63	115/208-230	Man.	8.8	1.15	10.66	S, MX
3	3600	56Y	110222.00	√	552	M6C34DB13	38	230	Man.	15.0	1.15	12.38	S, US, 36
	1800	184T	131534.00	√	865	C184C17DB19	69	115/230	None	16.9	1.15	14.19	S, MX
	1800	184T	LM24680	C/A	888	SS184D4S3T1C6028	78	115/208-230	None	16.9	1.15	14.19	S, MX
5SPL	3600	56	116523.00	√	665	P6K34DB22	35	208-230	Man.	15.0	1.0	11.44	S, US, 53
5	3600	56Y	111275.00	√	686	P6K34DB5	44	230	Man.	20.8	1.0	13.34	S, US, 36, 53
	3600	56Y	116789.00	√	706	P6K34DB27	45	230	Man.	20.8	1.0	12.38	S, US, 10, 53
	3600	145T	120554.00	√	694	P145K34DB1	46	230	Man.	20.8	1.0	13.12	S, US, 53
	1800	184T	131537.00	√	1038	C184K17DB31	83	230	None	21.0	1.15	14.69	S, MX, 53
	1800	184T	LM24682	√	1060	SSD4S5T1B600	87	208-230	None	21.0	1.15	14.69	S, MX, 53
	1800	184T	131622.00	√	1241	P184K17DB33	82	230	Man.	21.0	1.15	14.69	S, MX, 53
7 1/2	3600	184T	132044.00	√	1000	C184K34DB8	110	208-230	Tstat	31.0	1.15	16.69	S, MX, 53
	3600	213T	140680.00	√	1689	C213K34DB1	112	208-230	None	29.5	1.15	16.55	S, MX, 53
	1800	215T	140155.00	√	1474	C215K17DB2	113	230	None	36.0	1.15	17.26	S, MX, 53
	1800	215T	LM24683	√	1556	SS215D4S7.5T1B600	118	208-230	None	36.0	1.15	17.26	S, MX, 53
10	3600	215T	140681.00	√	2135	C215K34DB1	135	208-230	None	37.0	1.15	18.05	S, MX, 53
	1800	215TZ	140311.00	√	2155	C215K17DB4	140	230	None	43.0	1.25	19.76	S, MX, 53
	1800	215TZ	LM24684	√	2207	SSD4S10T1B600	140	208-230	None	43.0	1.15	19.76	S, MX, 53

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Automotive Duty Motors | Pump Motors | Washguard Motors | Agricultural Duty Motors | HVAC / Fan Motors | Special Voltage Motors | Definite Purpose Motors | Brake Motors | IEC Motors

Definite Purpose Motors

Compressor Duty Motors

Compressor, Pump and Fan & Blower Duty

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
1	1800	143T	121003.00	√	639	C143T17DB10	36	208-230/460	3.2	85.5	1.25	12.1	10 : 1	S, US
	1800	143T	LM24871	√	527	SSD4B1T6	35	208-230/460	3.2	85.5	1.25	12.0	10 : 1	S, MX
1 1⁄2	1800	145T	121004.00	√	667	C145T17DB32	35	208-230/460	4.8	86.5	1.25	12.6	10 : 1	S, US
	1800	145T	LM24875	√	551	SSD4B1.5T6	45	208-230/460	4.4	86.5	1.25	13.0	10 : 1	S, MX
2	1800	145T	121005.00	√	755	C145T17DB33	37	208-230/460	5.8	86.5	1.25	13.6	10 : 1	S, US
	1800	145T	LM24169	√	610	SSD4B2T6	48	208-230/460	6.0	86.5	1.25	11.5	10 : 1	S, MX
3	1800	182T	131519.00	√	773	C182T17DB37	75	208-230/460	7.8	89.5	1.25	13.7	10 : 1	S, MX
	1800	182T	LM24222	C/A	796	SSD4B3T61	75	208-230/460	8.0	89.5	1.25	13.2	10 : 1	S, MX
5	1800	184T	131520.00	√	871	C184T17DB44	86	208-230/460	12.8	89.5	1.25	14.7	10 : 1	S, MX
	1800	184T	LM24202	√	892	SSD4B5T61	91	208-230/460	12.6	89.5	1.25	14.2	10 : 1	S, MX
7 1⁄2	1800	213T	140470.00	√	1093	C213T17DB2	133	208-230/460	20.6	91.0	1.25	16.3	10 : 1	S, MX
	1800	213T	LM24194	√	1256	SSD4B7.5T6	125	208-230/460	19.2	91.0	1.25	18.5	10 : 1	S, US
10	1800	215T	140472.00	√	1291	C215T17DB15	144	208-230/460	26.8	91.7	1.25	17.3	10 : 1	S, MX
	1800	215T	LM24193	√	1403	SSD4B10T6	155	208-230/460	25.0	91.7	1.25	18.5	10 : 1	S, US
20	1800	256T	170006.60	√	2224	C256T17DB5	324	208-230/460	51.0	93.0	1.25	22.6	10 : 1	C, CN
	1800	256T	LM24199	√	2415	CCD4B20T6	350	208-230/460	48.0	93.0	1.25	24.4	10 : 1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	Inverter Speed Range	♥Notes
3	1800	182T	131463.00	√	888	C182T17FB32	80	208-230/460	7.8	89.5	1.15	14.96	10 : 1	S, MX
	1800	182T	LM32741	√	1261	SSF4B3T61	77	208-230/460	7.8	89.5	1.15	13.96	10 : 1	S, MX
5	1800	182T	131464.00	√	976	C184T17FB42	94	208-230/460	12.8	89.5	1.15	15.96	10 : 1	S, MX
	1800	182T	LM33266	√	976	SSF4B5T61	85	208-230/460	12.6	89.5	1.15	14.96	10 : 1	S, MX
7 1⁄2	1800	213T	140450.00	√	1254	C213T17FB6	144	208-230/460	21.4	91.7	1.25	18.70	10 : 1	S, MX
	1800	213T	LM32805	√	1158	SSF4B7.5T6	115	208-230/460	19.4	91.7	1.25	20.23	10 : 1	S, US
10	1800	215T	140451.00	√	1517	C215T17FB18	161	208-230/460	26.6	91.7	1.25	19.70	10 : 1	S, MX
	1800	215T	LM32809	√	1431	SSF4B10T6	135	208-230/460	26.0	91.7	1.25	21.48	10 : 1	S, US
15	1800	254T	170066.60	√	2238	C254T17FB10	280	208-230/460	36.0	92.4	1.25	23.19	10 : 1	C, CN
	1800	254T	LM24208	√	2500	CCF4B15T6	322	208-230/460	37.5	92.4	1.25	25.27	10 : 1	C, US
20	1800	256T	170007.60	√	2800	C256T17FB4	322	208-230/460	49.0	93.0	1.15	24.92	10 : 1	C, CN
	1800	256T	LM24207	C/A	3037	CCF4B20T61	368	208-230/460	48.0	93.0	1.15	25.27	10 : 1	C, US

Green items are Premium Efficient

♥ Note listing on inside back flap

▼ LM Numbers are Lincoln Models

C/A - Check Availability

Specifications are subject to change without notice

Definite Purpose Motors

Pressure Washer Motors

Motors specially suited for hot or cold pressure washer applications and other single phase installations requiring minimum starting and running amperages.

Mechanical Features:
- Double shielded ball bearings
- Dynamically balanced rotors

Electrical Features:
- Windings dipped in heavy duty varnish system
- Capacitor start / capacitor run designs to reduce amp draw
- Manual reset overload protection
- High service factor

Single Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	S56	100053.00	√	420	M4C34DH3	24	115/208-230	Man.	4.9	1.25	10.49	S, MX
	1800	S56	101544.00	C/A	608	M4K17DH2	28	115/208-230	Man.	4.0	1.25	11.24	S, US, 53
1	3600	56	110097.00	√	435	M6C34DB3	27	115/208-230	Man.	6.0	1.25	10.84	S, US
	1800	56	113630.00	√	660	M6K17DB33	31	115/208-230	Man.	5.3	1.15	10.84	S, US, 53
1 1/2	3600	56	113631.00	√	577	M6K34DB15	36	115/208-230	Man.	6.2	1.15	11.34	S, US, 53
	1800	56H	113266.00	√	769	M6K17DB30	42	115/208-230	Man.	6.7	1.15	12.38	S, US, 6, 53
	1800	145T	120004.00	√	822	P145K17DB3	40	115/208-230	Man.	8.6	1.15	12.28	S, US, 53
2	3600	56	113632.00	√	779	P6K34DB16	36	115/208-230	Man.	8.6	1.15	11.34	S, US, 53
	1800	56H	116704.00	√	822	P6K17DB47	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
	1800	145T	120879.00	√	864	P145K17DB38	53	115/208-230	Man.	8.6	1.15	13.31	S, US
3	3600	56H	116706.00	√	828	M6C34DB75	39	230	Man.	15.0	1.0	12.38	S, US, 6, 53
	1800	184T	131851.00	C/A	1022	184TBDR7675	72	208-230	Man.	13.7	1.15	15.22	S, MX, 9
5	3600	56H	116708.00	√	847	P6K34DB26	45	230	Man.	20.8	1.0	13.34	S, US, 6, 53
	1800	184T	131622.00	√	1241	P184K17DB33	82	208-230	Man.	21.0	1.15	14.69	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	110108.00	√	443	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
	1800	56	110022.00	√	602	M6C17FB7	29	115/208-230	Man.	5.4	1.15	11.31	S, US
1	3600	56	110142.00	√	542	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56	110023.00	√	681	M6C17FB8	29	115/208-230	Man.	6.4	1.15	11.81	S, US
	1800	143T	120008.00	√	681	M143C17FB2	31	115/208-230	Man.	6.4	1.15	12.75	S, US
1 1/2	3600	56	110109.00	√	746	M6C34FB8	31	115/208-230	Man.	8.5	1.0	12.31	S, US
	1800	56H	113333.00	√	771	M6K17FB32	38	115/208-230	Man.	8.6	1.0	12.81	S, US, 6, 53
	1800	145T	120009.00	√	771	M145K17FB2	42	115/208-230	Man.	8.6	1.0	13.25	S, US, 53
2	3600	56H	110402.00	√	871	P6C34FB23	41	115/208-230	Man.	10.0	1.0	13.31	S, US, 6, 53
	3600	145T	120395.00	√	880	P145C34FB5	44	115/208-230	Man.	10.0	1.0	13.75	S, US
	1800	145T	120867.00	√	1107	P145K17FB22	48	115/208-230	Man.	9.2	1.0	13.75	S, US, 53
3	3600	56H	116705.00	√	908	P6K34FB31	53	230	Man.	14.0	1.0	13.81	S, US, 6, 53
	1800	184T	131855.00	√	1227	P184K17FB26	88	230	Man.	13.7	1.15	16.86	S, MX, 53
5	3600	184T	132042.00	√	1533	P184K34FB9	103	230	Man.	19.8	1.15	16.97	S, MX, 53
	1800	184T	131856.00	√	1426	P184K17FB25	95	230	Man.	21.0	1.0	17.86	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Definite Purpose Motors

Pressure Washer Motors

Single Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1⁄2	3600	56C	114214.00	√	615	M6K34DK8	35	115/208-230	Man.	6.2	1.15	11.34	S, US
	1800	56HC	113700.00	√	812	M6K17DK15	38	115/208-230	Man.	7.2	1.15	11.84	S, US, 6, 53
2	3600	56C	114215.00	√	780	P6K34DK9	45	115/208-230	Man.	8.6	1.15	11.34	S, US
	1800	56HC	113281.00	√	841	P6K17DK12	45	115/208-230	Man.	8.6	1.15	12.88	S, US, 6, 53
3	3600	56HC	116707.00	√	852	M6C34DK5	41	230	Man.	15.0	1.0	12.38	S, US, 6, 53
	1800	184TC	131853.00	√	1022	C184K17DK18	87	208-230	Man.	15.4	1.15	15.96	S, MX, 53
5	3600	56HC	116709.00	√	872	P6K34DK18	46	230	Man.	20.8	1.0	13.54	S, US, 6, 53
	1800	184TC	131630.00	√	1257	M184K17DK13	77	208-230	Man.	21.0	1.15	14.69	S, MX, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	116485.00	C/A	616	M6C17FK81	29	115/208-230	Man.	3.2	1.15	10.81	S, US, 57
1/2	1800	56C	116486.00	√	706	M6C17FK80	23	115/208-230	Man.	4.4	1.15	10.81	S, US, 53
3/4	1800	56C	116487.00	√	822	M6C17FK79	30	115/208-230	Man.	5.4	1.15	11.31	S, US, 53
1	3600	56C	115877.00	√	518	M6C34FK78	28	115/208-230	Man.	6.0	1.15	11.81	S, US
	1800	56C	115879.00	√	691	M6C17FK80	32	115/208-230	Man.	6.4	1.15	11.81	S, US
1 1⁄2	3600	56C	115024.00	√	704	M6K34FK16	35	115/208-230	Man.	6.2	1.15	12.31	S, US, 53
	1800	56HC	116703.00	√	825	M6K17FK50	39	115/208-230	Man.	8.6	1.15	12.81	S, US
2	3600	56HC	114995.00	√	838	P6K34FK15	42	115/208-230	Man.	9.2	1.15	13.31	S, US, 53
	1800	145TC	121465.00	√	1107	P145K17FK10	44	115/208-230	Man.	9.2	1.0	13.75	S, US
3	3600	56HC	115048.00	√	916	P6K34FK17	53	115/208-230	Man.	14.0	1.0	13.81	S, US, 53
	1800	184TC	131857.00	√	1564	P14K17FK14	104	230	Man.	13.7	1.15	17.61	S, MX, 53
5	3600	184TC	131632.00	√	1572	P184K34FK2	103	230	Man.	19.8	1.15	16.97	S, MX
	1800	184TC	131633.00	√	1638	P184K17FK11	989	230	Man.	23.0	1.0	16.97	S, MX

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

Woodworking Motors

General Specifications:
- Motors designed for woodworking equipment such as table saws, planers, etc.
- Totally enclosed
- Fully gasketed to prevent dust entry

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	3600	56	110108.00	√	443	M6C34FB7	26	115/208-230	Man.	5.0	1.15	11.31	S, US
1	3600	56	110142.00	√	542	M6C34FB2	28	115/208-230	Man.	6.0	1.15	11.81	S, US
11⁄2	3600	56	110109.00	√	746	M6C34FB8	34	115/208-230	Man.	8.5	1.0	12.31	S, US
2	3600	56H	110402.00	√	871	P6C34FB23	41	115/208-230	Man.	10.0	1.0	13.31	S, US, 6
	3600	145T	120395.00	√	880	P145C34FB5	44	115/208-230	Man.	10.0	1.0	13.75	S, US
3	3600	145T	120341.00	√	903	C145K34FB3	46	230	None	13.0	1.0	14.25	S, US, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3	3600	145TC	120824.00	√	976	P145K34FC6	56	230	Man.	13.0	1.0	14.25	S, US, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Table Saw Motor

General Specifications:
- Extra high breakdown torque
- 8 ft. cord with 115V plug
- On/off toggle switch
- Replaces Delta motor 62-042

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1⁄2	3600	56	113627.00	√	895	M6C34FB63	39	115/230	Man.	7.5	1.0	12.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Definite Purpose Motors

Contractors' Saw Motors

General Specifications:

- Motor pivots on rod for belt tensioning. Totally enclosed fan cooled motor produces extra high breakdown torques for maximum cutting power. Has 1 3⁄4" long shaft, 3⁄4" diameter with keyway. Added 54" cord to all motors 11/2-4 HP. Catalog numbers 120925 and 120997 replace Delta UNISAW® motor 83-621 (11⁄2 HP); 120728 and 120998 replace Delta UNISAW® motor 83-651 (3 HP).
- High breakdown torque
- Shaft size is 1-3/4" long by 3/4" Dia.
- Includes 54" cord
- Replaces Delta UNISAW® motors - 83-621 and 83-651

Single Phase - TEFC - Delta UNISAW® Mounting

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1 1⁄2	3600	143Y	120925.00	√	801	C143C34FB5	44	115/230	None	10.0	1.0	12.68	S, US
2	3600	143Y	120997.00	√	879	C143C34FB6	44	115/230	None	11.0	1.0	12.68	S, US
3	3600	145Y	120728.00	√	1121	C145K34FB12	52	230	None	13.0	1.0	13.68	S, US, 53
4	3600	145Y	120998.00	√	1171	C145K34FB16	48	230	None	17.6	1.0	13.68	S, US, 53

UNISAW® is a registered trademark of Delta International.

♥ Note listing on inside back flap

Specifications are subject to change without notice

Contractors' Power Tool Motors

General Specifications:

- Designed for woodworking applications
- Electronic starting switch
- High starting and breakdown torques
- 48 frame model has 1-1/2" long shaft by 1/2" Dia.
- 56 frame models have a 1-7/8" long shaft by 5/8" Dia.
- Shaft extensions, each end, include keyway and flat, 90° apart

Single Phase - Drip Proof - Rigid Base - Double-Shaft

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	S56Z	101781.00	√	532	C4C17DH106	17	115/208-230	None	4.4	1.25	12.43	S, US
3/4	3600	48Z	101782.00	√	547	C4C34DB15	24	115/208-230	None	4.9	1.25	12.18	S, US
1	3600	56Z	114216.00	√	572	C6C34DB71	27	115/208-230	None	6.0	1.25	12.81	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Parking Gates, Door Operators & Slide Gates

General Specifications:
Specially designed motors for use on "instant-reversing" parking gates, doors, slide gates, or other moderate starting torque instant reversing applications. Capable of frequent reversing service.

Features (Resilient Base and C Face):
- Instant "plug-reversing" with simple three-wire connection
- Manual overload protected
- Approx. 150% starting torque - not suitable for hard start applications

Features (Rigid Base):
- Capacitor start, induction run motors with solid state, instant reversing switch
- Manual overload protected

Single Phase - Drip-Proof - Resilient Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1625	S56	191742.00	√	491	M4P17DJ21	18	115	Man.	4.0	1.0	10.31	S, CN
1/2	1625	S56	100802.00	√	542	M4P17DJ7	24	115	Man.	6.1	1.0	11.31	S, MX
	1625	S56	103460.00	√	402	5KCP35JNC128Y	22	115	Man.	5.0	1.0	9.94	S, MX
	1625	S56	191743.00	√	552	M4P17DJ22	24	115	Man.	4.6	1.0	10.31	S, CN
3/4	1625	56H	113642.00	√	647	M6P17DR4	33	115	Man.	8.2	1.0	11.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Continued On Next Page

View On-line Technical Information

Definite Purpose Motors

Instant Reversing Motors

Single Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1625	S56C	102017.00	√	483	M4P17DC29	18	115	Man.	4.2	1.0	9.99	S, MX
1/2	1625	S56C	102021.00	√	542	M4P17DC30	22	115	Man.	6.1	1.0	10.49	S, MX
	1625	S56C	100704.00*	√	542	M4P17DC7	16	115	Man.	4.1	1.0	10.24	S, MX

* Motor has same electrical design as 102017, but is rated for intermittent duty.

♥ Note listing on inside back flap

Specifications are subject to change without notice

Single Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Over-load Prot.	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
3/4	1800	56	114932.00	√	695	P6C17FB113	30	115/208-230	Man.	5.4	1.15	11.31	S, MX
1	1800	56	114933.00	√	760	P6C17FB112	30	115/208-230	Man.	6.4	1.15	11.81	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Our Electra Gear line of Boat Hoist Duty motors provide customized features that are needed to support the Boat Hoist Industry.

Features Include:

- Stainless steel frame, base, capacitor case and conduit box cover
- 15 minute duty cycle
- Drain holes located at 6:00 position
- TENV enclosure
- Die cast Aluminum endbells
- Capacitor case located at 12:00
- 115/230 Volt – 1.15 S.F.
- UL recognized component listing and CSA approved

Single Phase - TENV - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	6439191250	√	415	6439191250	23	115/208-230	4.1	10.5	S, CN
3/4	1800	56C	6439191251	√	449	6439191251	26	115/208-230	4.9	11.1	S, CN
1	1800	56C	6439191252	√	489	6439191252	33	115/208-230	6.8	11.7	S, CN
1 1/2	1800	56C	6439191253	√	570	6439191253	47	115/208-230	8.4	12.6	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TENV - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	6439191260	√	403	6439191260	22	115/208-230	4.1	10.5	S, CN
3/4	1800	56C	6439191261	√	438	6439191261	24	115/208-230	4.9	11.1	S, CN
1	1800	56C	6439191262	√	477	6439191262	32	115/208-230	6.8	11.7	S, CN
1 1/2	1800	56C	6439191263	√	557	6439191263	46	115/208-230	8.4	12.6	S, CN
2	1800	56C	6439191264	√	628	6439191264	48	115/208-230	9.0	13.4	S, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Definite Purpose Motors

Two-Speed Motors

Three Phase - Variable and Constant Torque Designs

General Specifications:

Two-speed, single winding design motors. See pages 197and 198 for typical applications and characteristic speed torque curves.

Variable Torque - 460 Volt - One Winding - TEFC - Rigid Base - 1725/850 RPM

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	120945.00	√	919	C143T48FB7	36	460	1.6–0.7	1.0	12.75	S, US
1.5/.37	1800/900	145T	120941.00	√	957	C145T48FB60	36	460	2.4–1.0	1.0	12.75	S, US
2/.5	1800/900	145T	120940.00	C/A	1116	C145T48FB48	36	460	3.2–1.3	1.0	12.75	S, US
3/.75	1800/900	184T	131474.00	C/A	1195	C184T48FB67	77	460	4.0–1.8	1.0	14.46	S, MX
5/1.2	1800/900	184T	131475.00	√	1525	C184T48FB68	107	460	6.5–2.5	1.0	15.96	S, MX
7.5/1.9	1800/900	215T	140447.00	√	2149	C215T48FB46	155	460	9.7–3.3	1.0	17.71	S, MX
10/2.5	1800/900	215T	140448.00	√	2531	C215T48FB48	168	460	12.7–4.2	1.0	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Variable Torque - 208-230 Volt - One Winding - TEFC - Rigid Base - 1725/850 RPM

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.25	1800/900	143T	120944.00	√	919	C143T48FB6	36	208-230	3.2–1.4	1.0	12.75	S, US
1.5/.37	1800/900	145T	120947.00	√	959	C145T48FB61	36	208-230	4.8–2.0	1.0	12.75	S, US
2/.5	1800/900	145T	120946.00	√	1116	C145T48FB59	35	208-230	6.3–2.6	1.0	12.75	S, US
3/.75	1800/900	184T	131468.00	√	1195	C184T48FB61	78	208-230	8.0–3.6	1.0	14.46	S, MX
5/1.2	1800/900	184T	131469.00	√	1525	C184T48FB62	94	208-230	13.0–5.0	1.0	15.96	S, MX
7.5/1.9	1800/900	215T	140443.00	C/A	2170	C215T48FB45	154	208-230	19.4–6.6	1.0	17.71	S, MX
10/2.5	1800/900	215T	140444.00	C/A	2531	C215T48FB47	166	208-230	25.4–8.4	1.0	18.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Constant Torque - 460 Volt - One Winding - TEFC - Rigid Base - 1725/850 RPM

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 460 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	120943.00	√	1311	C143T48FB9	36	460	1.4–1.6	1.0	13.25	S, US
2/1	1800/900	184T	131471.00	√	1676	C184T48FB64	68	460	2.9–2.9	1.0	13.96	S, MX
3/1.5	1800/900	184T	131470.00	√	1902	C184T48FB63	80	460	3.8–3.5	1.0	14.96	S, MX
5/2.5	1800/900	215T	140445.00	C/A	2486	C215T48FB43	145	460	6.7–7.0	1.0	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

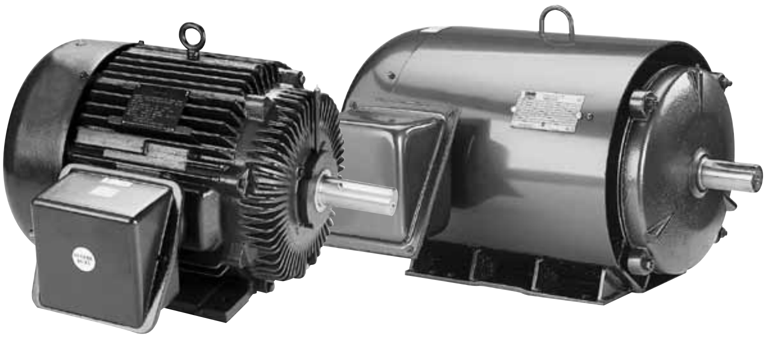
Constant Torque - 208-230 Volt - One Winding - TEFC - Rigid Base - 1725/850 RPM

HP	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/.5	1800/900	143T	120942.00	√	1311	C143T48FB8	37	208-230	3.2–4.2	1.0	12.75	S, US
2/1	1800/900	184T	131473.00	C/A	1676	C184T48FB66	69	208-230	5.8–5.7	1.0	13.96	S, MX
3/1.5	1800/900	184T	131472.00	√	1902	C184T48FB65	80	208-230	7.6–6.9	1.0	14.96	S, MX
5/2.5	1800/900	215T	140446.00	C/A	2486	C215T48FB44	137	208-230	13.4–14.0	1.0	17.71	S, MX

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice



Applications:
Ideally suited for size reduction equipment including rock crushers and pulverizers and other uses in the aggregate and construction industries. Crusher Duty motors are designed for belted (radial) loads only.

Features:
- Drive end roller bearing
- Superior speed-torque curves - most SF models nameplated Design B & C. all CCS models labeled Design C.
- Inverter-rated
- Continuous duty
- Construction materials (first letter of model number)
- C – full cast iron construction
- S – steel frame and cast iron end brackets
- Substantial weight savings with steel frame designs
- Premium Class F insulation system
- Across-the-line, Y-Delta (YDS) and Part Winding (PWS) start capability
- Installation versatility - mount Lincoln Crusher Duty motors horizontal or vertical shaft down
- Over temperature protection – Class F thermostats
- Drive-end roller bearing for belted load applications
- 4140 grade high strength shaft material
- Contact your local sales office for higher HP ratings

Automotive Duty Motors
Pump Motors
Washguard Motors
Agricultural Duty Motors
HVAC / Fan Motors
Special Voltage Motors
Definite Purpose Motors
Brake Motors
IEC Motors

Definite Purpose Motors

TEFC • Crusher Duty

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F. L. Eff.	Service Factor	♥Notes
100	1800	405T	LM18759	C/A	17139	SF4B100T64PYRBT1	1002	460	95.4	1.15	S, US
	1800	405T	LM33029	C/A	18990	CCS4B100T64PYRBT1	1338	460	92.4	1.15	C, US
	1200	444T	LM17733	C/A	22636	SF6B100T64PYRBT1	1351	460	95.4	1.15	S, US
	1200	444T	LM33030	C/A	25194	CCS6B100T64PYRBT1	1690	460	95.0	1.15	C, US
125	1800	444T	LM17734	C/A	22504	SF4B125T64PYRBT1	1351	460	96.2	1.15	S, US
	1800	444T	LM33031	C/A	24443	CCS4B125T64PYRBT1	1727	460	95.4	1.15	C, US
	1200	445T	LM17735	C/A	27404	SF6B125T64PYRBT1	1531	460	95.8	1.15	S, US
	1200	445T	LM33032	C/A	30284	CCS6B125T64PYRBT1	1960	460	95.0	1.15	C, US
150	1800	445T	LM17736	C/A	26401	SF4B150T64PYRBT1	1531	460	96.2	1.15	S, US
	1800	445T	LM33033	C/A	28412	CCS4B150T64PYRBT1	2090	460	95.8	1.15	C, US
	1200	445T	LM17737	C/A	31521	SF6B150T64PYRBT1	1531	460	95.8	1.15	S, US
	1200	445T	LM33034	C/A	33374	CCS6B150T64PYRBT1	2458	460	95.8	1.15	C, US
200	1800	445T	LM17738	C/A	31078	SF4B200T64PYRBT1	1531	460	96.2	1.15	S, US
	1800	449T	LM33035	C/A	33629	CC449B4P200T64PYCR1	2345	460	96.2	1.15	C, US
	1200	447T	LM17740	C/A	35751	SF6B200T64PYRBT1	1812	460	95.8	1.15	S, US
	1200	447T	LM33036	C/A	40132	CCS6B200T64PYRBT1	3087	460	95.8	1.15	C, US
250	1800	447T	LM17741	C/A	36641	SF4B250T64PYRBT1	1812	460	96.2	1.15	S, US
	1800	449T	LM17701	C/A	35788	CC449S4P250T64PYRBT1	2760	460	95.4	1.15	C, US
	1800	447T	LM17714	C/A	30043	SF4P250T64PYRBT1	1812	460	95.0	1.15	S, US
	1200	449T	LM17742	C/A	43766	SF6B250T64PYRBT1	2185	460	95.4	1.00	S, US
	1200	449T	LM17702	C/A	42664	CCS6P250T64PYRBT1	3408	460	95.4	1.15	C, US
	1200	449T	LM17715	C/A	35685	SF6P250T64PYRBT1	2185	460	95.4	1.00	S, US
300	1800	447T	LM17743	C/A	39759	SF4B300T64PYRBT1	1812	460	96.2	1.15	S, US
	1800	449T	LM31049	C/A	37518	CC449S4P300T64PYCR1	TBD	460	95.4	1.15	C, US
	1800	449T	LM18757	C/A	31847	S449F4P300T64PYRBT1	2185	460	95.4	1.15	S, US
	1800	447T	LM17716	C/A	30519	SF4P300T64PYRBT1	1812	460	95.4	1.00	S, US
	1200	449T	LM17744	C/A	54897	SF6B300T64PYRBT1	2185	460	95.8	1.00	S, US
	1200	449T	LM17704	C/A	53499	CCS6P300T64PYRBT1	3500	460	95.8	1.15	C, US
350	1800	449T	LM17745	C/A	48219	SF4B350T64PYRBT1	2185	460	96.2	1.15	S, US
	1800	449T	LM17705	C/A	44099	CCS4P350T64PYRBT1	3218	460	95.0	1.15	C, US
	1800	449T	LM17718	C/A	31469	SF4P350T64PYRBT1	2185	460	95.4	1.15	S, US
400	1800	449T	LM17746	C/A	55455	SF4B400T64PYRBT1	2185	460	95.4	1.15	S, US
	1800	449T	LM17706	C/A	51555	CCS4P400T64PYRBT1	3400	460	95.8	1.15	C, US
	1800	449T	LM17719	C/A	40343	SF4P400T64PYRBT1	2185	460	95.4	1.00	S, US

▼ LM Numbers are Lincoln Models

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Specifications are subject to change without notice

View On-line Technical Information

Applications:
Hydraulic pump passenger, service, freight, and dumbwaiter low rise elevators. Typically hydraulic elevators travel up to 6 floors at speeds up to 200 fpm.

Features:
- Dual rated nameplates for 80 & 120 starts/hour
- Designed for belt driven pumps
- Wye Start/Delta Run
- Class F Insulated
- 40° C ambient
- F-1 mounting
- Ball bearings with grease fittings and automatic relief
- NEMA dimensions
- UL recognized component listing and CSA approved
- Constructed for low noise and low vibration
- 80 Starts Per Hour

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F. L. Nom. Eff.	80 Starts F.L. Amps	Locked Rotor Amps	♥Notes
15	3600	213T	LM30091	C/A	1236	SSD2P10/15T6006YEH2	114	200	88.5	27	187	S, US
	3600	213T	LM30092	C/A	1236	SSD2P10/15T61YEH2	149	230/460	88.5	36	162/81	S, US
	1800	215T	LM28867	C/A	1135	SSD4G10/15T6006YEH2	128	200	89.5	45	170	S, US
	1800	215T	LM28868	C/A	1135	SSD4S10/15T61YEH2	124	230/460	89.5	39.2/19.6	148/74	S, US
	1800	215T	LM28869	C/A	1135	SSD4P10/15T65YEH2	128	575	91.0	16	59.2	S, US
20	3600	215T	LM30093	√	1615	SSD2P15/20T6006YEH2	135	200	90.2	53	267	S, US
	3600	215T	LM30094	√	1615	SSD2P15/20T61YEH2	138	230/460	90.2	46/23	232/116	S, US
	1800	254T	LM28873	C/A	1548	SSD4G15/20T6006YEH2	203	200	91.0	59	267	S, US
	1800	254T	LM28874	C/A	1548	SSD4G15/20T61YEH2	205	230/460	91.0	51.4/25.7	232/116	S, US
	1800	254T	LM28875	C/A	1548	SSD4P15/20T65YEH2	203	575	91.0	21	93	S, US
25	3600	254T	LM30095	√	2048	SSD2P20/25T6006YEH2	128	200	91.0	67	334	S, US
	3600	254T	LM30096	√	2048	SSD2P20/25T61YEH2	134	230/460	91.0	58/29	290/145	S, US
	1800	256T	LM28879	C/A	1957	SSD4G20/25T6006YEH2	233	200	91.0	74	368	S, US
	1800	256T	LM28880	C/A	1957	SSD4G20/25T61YEH2	233	230/460	91.0	64/32	320/160	S, US
	1800	256T	LM28881	C/A	1957	SSD4P20/25T65YEH2	233	575	92.4	26	128	S, US
30	3600	256T	LM30097	√	2463	SSD2P25/30T6006YEH2	235	200	91.0	80	419	S, US
	3600	256T	LM30098	√	2463	SSD2P25/30T61YEH2	235	230/460	91.0	69/34.5	364/182	S, US
	1800	284T	LM29850	C/A	2986	CCD4G25/30T6006YEH2	300	200	91.7	84	391	S, US
	1800	284T	LM29851	C/A	2586	CCD4G25/30T61YEH2	318	230/460	90.2	73/36.5	340/170	S, US
	1800	284T	LM33046	√	2960	CCD4B25/30T61YEH2	320	230/460	94.1	73/36.5	360/180	S, US
	1800	284T	LM29854	C/A	2586	CCD4G25/30T65YEH2	300	575	91.7	29	136	S, US

▼ LM Numbers are Lincoln Models

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Specifications are subject to change without notice

View On-line Technical Information

Definite Purpose Motors

Hydraulic Elevator Duty Motors

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F. L. Nom. Eff.	80 Starts F.L. Amps	Locked Rotor Amps	♥Notes
40	3600	284T	LM30099	√	3172	CCD2P30/40T6006YEH2	320	200	91.7	112	460	S, US
	3600	284T	LM30100	√	3172	CCD2P30/40T61YEH2	322	230/460	91.7	97/48.5	400/200	S, US
	3600	284T	LM33047	C/A	3631	CCD2B30/406T61YEH2	325	230/460	92.4	90/45	460/230	S, US
	1800	286T	LM29852	C/A	2999	CCD4G30/40T6006YEH2	450	200	92.4	112	495	S, US
	1800	286T	LM29853	C/A	2999	CCD4G30/40T61YEH2	600	230/460	92.4	97/48.5	430/215	S, US
	1800	286T	LM33048	√	3433	CCD4B30/40T61YEH2	610	230/460	94.1	96/48	416/208	S, US
	1800	286T	LM29855	C/A	2999	CCD4G30/40T65YEH2	653	575	92.4	39	172	S, US
50	3600	286T	LM30101	C/A	4052	CCD2P40/50T6006YEH2	460	200	92.4	135	667	S, US
	3600	286T	LM30102	√	4052	CCD2P40/50T61YEH2	462	230/460	92.4	117/58.5	580/290	S, US
	1800	324T	LM28897	C/A	4013	SD4G40/50T6006YEH2	550	200	92.4	145	630	S, US
	1800	324T	LM28898	C/A	4013	SD4G40/50T61YEH2	552	230/460	92.4	126/63	548/274	S, US
	1800	324T	LM32651	√	4595	SD4B40/50T61YEH2	554	230/460	94.5	125/62.5	530/265	S, US
	1800	324T	LM28899	C/A	4013	SD4G40/50T65YEH2	550	575	92.4	51	220	S, US
60	1800	326T	LM28903	C/A	4458	SD4G50/60T6006YEH2	519	200	92.4	176	794	S, US
	1800	326T	LM28904	C/A	4458	SD4G50/60T61YEH2	530	230/460	92.4	153/76.5	690/345	S, US
	1800	326T	LM32663	√	5103	SF4B50/60T61YEH2	535	230/460	93.6	151/75.5	650/325	S, US
	1800	326T	LM28905	C/A	4458	SD4G50/60T65YEH2	519	575	92.4	61	276	S, US
75	1800	364T	LM28909	C/A	5519	SD4G60/75T6006YEH2	693	200	93.6	206	1000	S, US
	1800	364T	LM28910	√	5519	SD4S60/75T61YEH2	709	230/460	93.6	179/89.5	870/435	S, US
	1800	364T	LM28911	C/A	5519	SD4G60/75T65YEH2	709	575	93.6	72	350	S, US
100	1800	365T	LM28914	C/A	5780	SD4G75/100T61YEH2	754	230/460	94.1	250/125	1084/542	S, US
	1800	365T	LM28915	C/A	5780	SD4P75/100T65YEH2	754	575	94.1	100	435	S, US

▼ LM Numbers are Lincoln Models

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C/A - Check Availability

Specifications are subject to change without notice

Wye Wound For Electronic Start Or Across The Line Starting

Features:

- 80 Starts Per Hour

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F. L. Nom. Eff.	80 Starts F.L. Amps	Locked Rotor Amps	♥Notes
5	1800	182T	LM28918	C/A	580	SSD4P5T6006YEHI	68	200	97.5	15	73.6	S, US
	1800	182T	LM28919	C/A	580	SSD4P5T61YEH1	89	230/460	87.5	13/6.5	64/32	S, US
	1800	182T	LM28920	C/A	580	SSD4P5T65YEH1	79	575	87.5	5	25.6	S, US
7.5	1800	184T	LM28921	C/A	653	SSD4S7.5T6006EH1	98	200	82.5	23	106	S, US
	1800	184T	LM28922	C/A	653	SSD4S7.5T61EH1	101	230/460	82.5	19.8/9.9	92/46	S, US
	1800	184T	LM28923	C/A	653	SSD4S7.5T65YEH1	98	575	82.5	8	36.8	S, US
10	1800	213T	LM28924	C/A	962	SSD4S10T6006EH1	112	200	85.5	30	146	S, US
	1800	213T	LM28925	C/A	962	SSD4S10T61EH1	115	230/460	85.5	25.8/12.9	127/63.5	S, US
	1800	213T	LM28926	C/A	962	SSD4S10T65YEH1	112	575	85.5	10	50.8	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

Definite Purpose Motors

Hydraulic Elevator Duty Motors

Features:

- 120 Starts Per Hour

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	% F. L. Nom. Eff.	120 Starts F.L. Amps	Locked Rotor Amps	♥Notes
10	3600	213T	LM30091	C/A	1236	SSD2P10/15T6006YEH2	114	200	88.5	27	187	S, US
	3600	213T	LM30092	C/A	1236	SSD2P10/15T61YEH2	149	230/460	88.5	36	162/81	S, US
	1800	215T	LM28867	C/A	1135	SSD4G10/15T6006YEH2	128	200	89.5	45	170	S, US
	1800	215T	LM28868	C/A	1135	SSD4S10/15T61YEH2	124	230/460	89.5	25/12.5	148/74	S, US
	1800	215T	LM28869	C/A	1135	SSD4P10/15T65YEH2	128	575	91.0	16	59.2	S, US
15	3600	215T	LM30093	√	1615	SSD2P15/20T6006YEH2	135	200	90.2	53	267	S, US
	3600	215T	LM30094	√	1615	SSD2P15/20T61YEH2	138	230/460	90.2	46/23	232/116	S, US
	1800	254T	LM28873	C/A	1548	SSD4G15/20T6006YEH2	203	200	91.0	59	267	S, US
	1800	254T	LM28874	C/A	1548	SSD4G15/20T61YEH2	205	230/460	91.0	38.5/19.2	232/116	S, US
	1800	254T	LM28875	C/A	1548	SSD4P15/20T65YEH2	203	575	91.0	21	93	S, US
20	3600	254T	LM30095	√	2048	SSD2P20/25T6006YEH2	128	200	91.0	67	334	S, US
	3600	254T	LM30096	√	2048	SSD2P20/25T61YEH2	134	230/460	91.0	58/29	290/145	S, US
	1800	256T	LM28879	C/A	1957	SSD4G20/25T6006YEH2	233	200	91.0	74	368	S, US
	1800	256T	LM28880	C/A	1957	SSD4G20/25T61YEH2	233	230/460	91.0	64/32	320/160	S, US
	1800	256T	LM28881	C/A	1957	SSD4P20/25T65YEH2	233	575	92.4	26	128	S, US
25	3600	256T	LM30097	√	2463	SSD2P25/30T6006YEH2	235	200	91.0	80	419	S, US
	3600	256T	LM30098	√	2463	SSD2P25/30T61YEH2	235	230/460	91.0	69/34.5	364/182	S, US
	1800	284T	LM29850	C/A	2986	CCD4G25/30T6006YEH2	300	200	91.7	84	391	S, US
	1800	284T	LM29851	C/A	2586	CCD4G25/30T61YEH2	318	230/460	90.2	61/30.5	340/170	S, US
	1800	284T	LM33046	√	2960	CCD4B25/30T61YEH2	320	230/460	94.1	62/31	360/180	S, US
	1800	284T	LM29854	C/A	2586	CCD4G25/30T65YEH2	300	575	91.7	29	136	S, US
30	3600	284T	LM30099	√	3172	CCD2P30/40T6006YEH2	320	200	91.7	112	460	S, US
	3600	284T	LM30100	√	3172	CCD2P30/40T61YEH2	322	230/460	91.7	72/36	400/200	S, US
	3600	284T	LM33047	C/A	3631	CCD2B30/406T61YEH2	325	230/460	92.4	68/34	460/230	S, US
	1800	286T	LM29852	C/A	2999	CCD4G30/40T6006YEH2	450	200	92.4	112	495	S, US
	1800	286T	LM29853	C/A	2999	CCD4G30/40T61YEH2	600	230/460	92.4	72/36	430/215	S, US
	1800	286T	LM33048	√	3433	CCD4B30/40T61YEH2	610	230/460	94.1	74/37	416/208	S, US
	1800	286T	LM29855	C/A	2999	CCD4G30/40T65YEH2	653	575	92.4	39	172	S, US
40	3600	286T	LM30101	C/A	4052	CCD2P40/50T6006YEH2	460	200	92.4	135	667	S, US
	3600	286T	LM30102	√	4052	CCD2P40/50T61YEH2	462	230/460	92.4	117/58.5	580/290	S, US
	1800	324T	LM28897	C/A	4013	SD4G40/50T6006YEH2	550	200	92.4	145	630	S, US
	1800	324T	LM28898	C/A	4013	SD4G40/50T61YEH2	552	230/460	92.4	106/53	548/274	S, US
	1800	324T	LM32651	√	4595	SD4B40/50T61YEH2	554	230/460	94.5	103/51.5	530/265	S, US
	1800	324T	LM28899	C/A	4013	SD4G40/50T65YEH2	550	575	92.4	51	220	S, US
50	1800	326T	LM28903	C/A	4458	SD4G50/60T6006YEH2	519	200	92.4	176	794	S, US
	1800	326T	LM28904	C/A	4458	SD4G50/60T61YEH2	530	230/460	92.4	130/65	690/345	S, US
	1800	326T	LM32663	√	5103	SF4B50/60T61YEH2	535	230/460	93.6	131/65.5	650/325	S, US
	1800	326T	LM28905	C/A	4458	SD4G50/60T65YEH2	519	575	92.4	61	276	S, US
60	1800	364T	LM28909	C/A	5519	SD4G60/75T6006YEH2	693	200	93.6	206	1000	S, US
	1800	364T	LM28910	√	5519	SD4S60/75T61YEH2	709	230/460	93.6	145/72.5	870/435	S, US
	1800	364T	LM28911	C/A	5519	SD4G60/75T65YEH2	709	575	93.6	72	350	S, US
75	1800	365T	LM28914	C/A	5780	SD4G75/100T61YEH2	754	230/460	94.1	187/93.5	1084/542	S, US
	1800	365T	LM28915	C/A	5780	SD4P75/100T65YEH2	754	575	94.1	100	435	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

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View On-line Technical Information

LEESON®

Definite Purpose Motors

VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Applications:

Designed for Geared and Gearless Traction Elevators, 100 fpm to 500 fpm operation and up to 12 or 15 floors.

Features:

- Dynamic balanced for low vibration operation
- Normally closed thermostats, one per phase
- Low noise design
- Steel frame construction with cast iron endbells
- Class F Insulated, 40° C ambient
- Epact efficiency or better
- 1.0 service factor
- 1024 PPR encoder, with 1-inch shaft bore standard
- F-1 mounting
- 1000:1 inverter duty capability

Three Phase - Drip-Proof - Rigid Base with Encoder

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F. L. Amps	Rated Accel. Torque	♥Notes
7 1/2	1200	6	254T	LM28114	√	3559	SD6P7.5T61ET1	221	60	230/460	24/12	225%	S, US
	1200	6	254T	LM28115	√	3559	SD6P7.5T6006ET1	221	60	200	28	225%	S, US
	1200	4	254T	LM28116	C/A	3491	SD4P7.5T41ET1	200	40	230/460	19/9.5	275%	S, US
	1200	4	254T	LM28117	C/A	3491	SD4P7.5T4006ET1	200	40	200	22	275%	S, US
	900	4	256T	LM28118	C/A	3877	SD4P7.5T31ET1	278	30	230/460	19.6/9.8	275%	S, US
	900	4	256T	LM28119	C/A	3877	SD4P7.5T3006ET1	278	30	200	23	275%	S, US
10	1200	6	256T	LM28120	√	3956	SSD6P10T61ET1	214	60	230/460	24/12	250%	S, US
	1200	6	256T	LM28121	√	3956	SD6P10T6006ET1	214	60	200	28	250%	S, US
	1200	4	256T	LM28122	C/A	3877	SD4P10T41ET1	232	40	230/460	19/9.5	275%	S, US
	1200	4	256T	LM28123	C/A	3877	SSD4P10T4006ET1	232	40	200	22	275%	S, US
	900	4	284T	LM28124	C/A	4590	SD4P10T31ET1	280	30	230/460	19.6/9.8	330%	S, US
	900	4	284T	LM28125	C/A	4590	SD4P10T3006ET1	280	30	200	23	330%	S, US
12 1/2	1200	6	284T	LM31393	C/A	4725	SD6P12.5T61ET1	338	60	230/460	42/21	300%	S, US
	1200	6	284T	LM30676	√	4725	SD6P12.5T6006YET1	338	60	200	48.5	300%	S, US
	900	4	284T	LM30677	C/A	4983	SD4P12.5T31ET1	365	30	230/460	34/17	300%	S, US
	900	4	284T	LM30678	C/A	4983	SD4P12.5T3006ET1	365	30	200	38.5	300%	S, US
15	1800	4	256T	LM30679	C/A	3956	SD4P15T61ET1	233	60	230/460	——	——	S, US
	1800	4	256T	LM30680	C/A	3956	SD4P15T6006ET1	233	60	200	——	——	S, US
	1200	6	284T	LM28126	√	4754	SD6S15T61YET1	341	60	230/460	49/24.5	300%	S, US
	1200	6	284T	LM28127	C/A	4754	SD6G15T6006YET1	338	60	200	56.5	300%	S, US
	1200	4	284T	LM28128	C/A	4590	SD4P15T41ET1	344	40	230/460	40/20	330%	S, US
	1200	4	284T	LM28129	C/A	4590	SD4P15T4006ET1	344	40	200	46	330%	S, US
	900	4	286T	LM30535	C/A	5375	SD4S15T31YET1	392	30	230/460	40/20	300%	S, US
	900	4	286T	LM28131	C/A	5375	SD4P15T3006ET1	392	30	200	46	300%	S, US
20	1800	4	256T	LM30681	C/A	4356	SD4P20T61ET1	240	60	230/460	——	——	S, US
	1800	4	256T	LM30682	C/A	4356	SD4P20T6006ET1	240	60	200	——	——	S, US

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♥ Note listing on inside back flap

Continued On Next Page

View On-line Technical Information

LEESON®

VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Three Phase - Drip-Proof - Rigid Base with Encoder

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F. L. Amps	Rated Accel. Torque	♥Notes
20	1200	6	286T	LM28132	C/A	5526	SD6S20T61YET1	390	60	230/460	61/30.5	275%	S, US
	1200	6	286T	LM28133	√	5526	SD6S20T6006YET1	400	60	200	68	275%	S, US
	1200	4	286T	LM28134	C/A	5375	SD4P20T41ET1	385	40	230/460	52/26	330%	S, US
	1200	4	286T	LM28135	C/A	5375	SD4P20T4006ET1	385	40	200	60	330%	S, US
	900	4	324T	LM28136	C/A	6124	SD4P20T31ET1	480	30	230/460	54/27	275%	S, US
	900	4	324T	LM28137	C/A	6124	SD4P20T3006ET1	471	30	200	62.1	275%	S, US
25	1800	4	284T	LM30720	C/A	4754	SD4P25T61ET1	350	60	230/460	64/32	250%	S, US
	1800	4	284T	LM30721	C/A	4754	SD4P25T62ET1	350	60	200	73.5	250%	S, US
	1200	6	324T	LM28138	C/A	6684	SD6S25T61YET1	505	60	230/460	64/32	250%	S, US
	1200	6	324T	LM28139	C/A	6684	SD6P25T6006ET1	505	60	200	73.6	250%	S, US
	1200	4	324T	LM28140	C/A	6124	SD4P25T41ET1	472	40	230/460	65/32.5	275%	S, US
	1200	4	324T	LM28141	C/A	6124	SD4P25T4006ET1	472	40	200	74.8	275%	S, US
	900	4	326T	LM28142	C/A	6956	SD4P25T31ET1	538	30	230/460	64/32	275%	S, US
	900	4	326T	LM28143	C/A	6956	SD4P25T3006YET1	525	30	200	73.6	275%	S, US
30	1800	4	286T	LM30722	C/A	5526	SD4P30T61ET1	400	60	230/460	72/36	250%	S, US
	1800	4	286T	LM30723	C/A	5526	SD4P30T62ET1	400	60	200	83	250%	S, US
	1200	6	326T	LM27976	C/A	7459	SD6S30T61YET1	535	60	230/460	76/38	225%	S, US
	1200	6	326T	LM28144	C/A	7459	SD6S30T6006YET1	552	60	200	87.4	225%	S, US
	1200	4	326T	LM28145	C/A	6827	SD4P30T41ET1	516	40	230/460	74/37	275%	S, US
	1200	4	326T	LM28146	C/A	6827	SD4P30T4006ET1	516	40	200	85	275%	S, US
	900	4	364T	LM28147	C/A	8356	SD4P30T31ET1	575	30	230/460	74/37	275%	S, US
	900	4	364T	LM28148	C/A	8356	SD4P30T3006ET1	575	30	200	85	275%	S, US
40	1800	4	324T	LM30724	C/A	6327	SD4P40T61ET1	470	60	230/460	98/49	250%	S, US
	1800	4	324T	LM30725	C/A	6327	SD4P40T62ET1	470	60	200	113	250%	S, US
	1200	6	364T	LM28149	√	9429	SD6S40T61YET1	755	60	230/460	98/49	250%	S, US
	1200	6	364T	LM28150	C/A	9429	SD6S40T6006YET1	755	60	200	113	250%	S, US
	1200	4	364T	LM28151	C/A	8356	SD4P40T41ET1	715	40	230/460	96/48	275%	S, US
	1200	4	364T	LM28152	C/A	8356	SD4P40T4006ET1	715	40	200	111	275%	S, US
	900	4	365T	LM28153	C/A	9309	SD4P40T31ET1	783	30	230/460	97/48.5	275%	S, US
	900	4	365T	LM28154	C/A	9309	SD4P40T3006ET1	783	30	200	112	275%	S, US
50	1800	4	326T	LM30647	C/A	7059	SD4P50T61ET1	522	60	230/460	121/60.5	250%	S, US
	1800	4	326T	LM30648	C/A	7059	SD4P50T6006ET1	522	60	200	139	250%	S, US
	1200	6	365T	LM28155	C/A	9686	SD6S50T61YET1	800	60	230/460	129/64.5	275%	S, US
	1200	6	365T	LM28156	C/A	9686	SD6S50T6006YET1	800	60	200	148	275%	S, US
	1200	4	365T	LM28157	C/A	9309	SD4P50T41ET1	765	40	230/460	120/60	275%	S, US
	1200	4	365T	LM28158	C/A	9309	SD4P50T4006ET1	765	40	200	138	275%	S, US
	900	4	405T	LM28159	C/A	12374	SD4P50T31ET1	964	30	230/460	118/59	275%	S, US
	900	4	405T	LM28160	C/A	12374	SD4S50T3006YET1	964	30	200	136	275%	S, US
60	1800	4	364T	LM30649	C/A	8691	SD4P60T61ET1	715	60	230/460	140/70	——	S, US
	1800	4	364T	LM30650	C/A	8691	SD4P60T6006ET1	715	60	200	161	——	S, US
	1200	6	404T	LM28161	√	10954	SD6P60T61YET1	888	60	230/460	167/83.5	250%	S, US
	1200	6	404T	LM28162	C/A	10954	SD6P60T6006YET1	888	60	200	192	250%	S, US
	1200	4	404T	LM28163	C/A	10517	SD4P60T41ET1	870	40	230/460	136/68	——	S, US
	1200	4	404T	LM28164	C/A	10517	SD4P60T4006ET1	870	40	200	157	——	S, US
	900	4	444T	LM28165	C/A	14971	SD4P60T31ET1	1277	30	230/460	140/70	275%	S, US
	900	4	444T	LM28166	C/A	14971	SD4P60T3006ET1	1277	30	200	161	275%	S, US
75	1800	4	365T	LM30651	C/A	9686	SD4P75T61ET1	765	60	230/460	45.5/91	——	S, US
	1800	4	365T	LM30652	C/A	9686	SD4P75T6006ET1	765	60	200	209	——	S, US
	1200	6	405T	LM28167	C/A	12900	SD6P75T61YET1	943	60	230/460	178/89	250%	S, US
	1200	6	405T	LM28168	C/A	12900	SD6P75T6006YET1	943	60	200	205	250%	S, US
	1200	4	405T	LM28169	C/A	12374	SD4P75T41ET1	960	40	230/460	170/85	——	S, US
	1200	4	405T	LM28170	C/A	12374	SD4P75T4006ET1	960	40	200	196	——	S, US

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♥ Note listing on inside back flap

View On-line Technical Information

Definite Purpose Motors

VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Three Phase - Drip-Proof - C Face Less Base - with Encoder - F1 Conduit Box

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F. L. Amps	Rated Accel. Torque	♥Notes
7 1/2	1200	6	254T	LM28200	√	3665	SD6P7.5TCN61ET1	150	60	230/460	24/12	225%	S, US
	1200	6	254T	LM28201	√	3665	SD6P7.5TCN6006ET1	150	60	200	28	225%	S, US
	1200	4	254T	LM30655	C/A	3595	SD4P7.5TCN41ET1	145	40	230/460	19/9.5	275%	S, US
	1200	4	254T	LM30663	C/A	3595	SD4P7.5TCN4006ET1	145	40	200	22	275%	S, US
	900	4	256T	LM28202	C/A	3981	SD4P7.5TCN31ET1	225	30	230/460	19.6/9.8	275%	S, US
	900	4	256T	LM28203	C/A	3981	SD4P7.5TCN3006ET1	225	30	200	23	275%	S, US
10	1200	6	256T	LM28204	√	4061	SSD6P10TCN61ET1	202	60	230/460	24/12	250%	S, US
	1200	6	256T	LM28205	√	4061	SD6P10TCN6006ET1	202	60	200	28	250%	S, US
	1200	4	256T	LM30732	C/A	3981	SD4P10TCN41ET1	230	40	230/460	19/9.5	275%	S, US
	1200	4	256T	LM30733	C/A	3981	SD4P10TCN4006ET1	230	40	200	22	275%	S, US
	900	4	284T	LM28206	C/A	4772	SD4P10TCN31ET1	355	30	230/460	19.6/9.8	330%	S, US
	900	4	284T	LM28207	C/A	4772	SD4P10TCN3006ET1	355	30	200	23	330%	S, US
12 1/2	1200	6	284T	LM30734	√	4538	SD4P12.5TCN61ET1	305	60	230/460	42/21	300%	S, US
	1200	6	284T	LM30735	√	4538	SD4P12.5TCN6006ET1	305	60	200	48.5	300%	S, US
	900	4	284T	LM30736	C/A	5164	SD4P12.5TCN3006ET1	355	30	230/460	34/17	300%	S, US
	900	4	284T	LM30737	C/A	5164	SD4P12.5TCN3006ET1	355	30	200	38.5	300%	S, US
15	1800	4	256T	LM30748	C/A	4061	SD4P15TCN61ET1	220	60	230/460	——	——	S, US
	1800	4	256T	LM30749	C/A	4061	SD4P15TCN6006ET1	220	60	200	——	——	S, US
	1200	6	284T	LM28208	√	4936	SD6P15TCN61ET1	330	60	230/460	49/24.5	300%	S, US
	1200	6	284T	LM28209	√	4936	SD6S15TCN6006YET1	330	60	200	56.5	300%	S, US
	1200	4	284T	LM30750	C/A	4772	SD4P15TCN41ET1	355	40	230/460	40/20	330%	S, US
	1200	4	284T	LM30751	C/A	4772	SD4P15TCN4006ET1	355	40	200	46	330%	S, US
	900	4	286T	LM28210	C/A	5557	SD4P15TCN31ET1	388	30	230/460	40/20	300%	S, US
	900	4	286T	LM28211	C/A	5557	SD4S15TCN3006ET1	388	30	200	46	300%	S, US
20	1800	4	256T	LM30752	C/A	4461	SD4P20TCN61ET1	249	60	230/460	——	——	S, US
	1800	4	256T	LM30753	C/A	4461	SD4P20TCN6006ET1	249	60	200	——	——	S, US
	1200	6	286T	LM28212	C/A	5924	SD6S20TCN61YET1	379	60	230/460	61/30.5	275%	S, US
	1200	6	286T	LM28213	√	5924	SD6S20TCN6006YET1	379	60	200	68	275%	S, US
	1200	4	286T	LM30739	C/A	5557	SD4P20TCN41ET1	396	40	230/460	52/26	330%	S, US
	1200	4	286T	LM30740	C/A	5557	SD4P20TCN6006ET1	396	40	200	60	330%	S, US
	900	4	324T	LM28214	C/A	6426	SD4P20TCN31ET1	480	30	230/460	54/27	275%	S, US
	900	4	324T	LM28215	C/A	6426	SD4S20TCN3006YET1	480	30	200	62.1	275%	S, US
25	1800	4	284T	LM31607	C/A	5006	SD4P25TCN61ET1	355	60	230/460	64/32	250%	S, US
	1800	4	284T	LM30760	C/A	5006	SD4P25TCN6006ET1	355	60	200	73.5	250%	S, US
	1200	6	324T	LM28216	C/A	7194	SD6S25TC61YET1	499	60	230/460	64/32	250%	S, US
	1200	6	324T	LM28217	C/A	7194	SD6P25TCN6006ET1	499	60	200	73.6	250%	S, US
	1200	4	324T	LM30754	C/A	6426	SD4P25TCN41ET1	480	40	230/460	65/32.5	275%	S, US
	1200	4	324T	LM30755	C/A	6426	SD4P25TCN4006ET1	480	40	200	74.8	275%	S, US
	900	4	326T	LM28218	C/A	7735	SD4P25TCN31ET1	533	30	230/460	64/32	275%	S, US
	900	4	326T	LM28219	C/A	7735	SD4P25TCN3006ET1	533	30	200	73.6	275%	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

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Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Definite Purpose Motors

VVVF (Variable Voltage-Variable Frequency) Traction Elevator Hoist Motors

Three Phase - Drip-Proof - C Face Less Base - with Encoder - F1 Conduit Box

HP	SYN RPM	No. of Poles	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	HZ	Voltage	F. L. Amps	Rated Accel. Torque	♥Notes
30	1800	4	286T	LM30702	C/A	5708	SD4S30TCN61YET1	397	60	230/460	72/36	250%	S, US
	1800	4	286T	LM30762	C/A	5708	SD4P30TCN6006ET1	397	60	200	83	250%	S, US
	1200	6	326T	LM27971	√	7988	SD6S30TCN61YET1	537	60	230/460	76/38	225%	S, US
	1200	6	326T	LM28220	√	7988	SD6S30TCN6006YET1	557	60	200	87.4	225%	S, US
	1200	4	326T	LM30756	C/A	7129	SD4P30TCN41ET1	532	40	230/460	74/37	275%	S, US
	1200	4	326T	LM30757	C/A	7129	SD4P30TCN4006ET1	532	40	200	85	275%	S, US
	900	4	364T	LM28221	C/A	8844	SD4P30TCN31ET1	720	30	230/460	74/37	275%	S, US
	900	4	364T	LM28222	C/A	8844	SD4P30TCN3006ET1	720	30	200	85	275%	S, US
40	1800	4	324T	LM30763	C/A	6631	SD4P40TCN61ET1	480	60	230/460	98/49	250%	S, US
	1800	4	324T	LM30764	C/A	6631	SD4P40TCN6006ET1	480	60	200	113	250%	S, US
	1200	6	364T	LM28223	√	9698	SD6P40TCN61ET1	724	60	230/460	98/49	250%	S, US
	1200	6	364T	LM28224	C/A	9698	SD6P40TCN6006ET1	724	60	200	113	250%	S, US
	1200	4	364T	LM30758	C/A	8844	SD4P40TCN41ET1	715	40	230/460	96/48	275%	S, US
	1200	4	364T	LM30765	C/A	8844	SD4P40TCN4006ET1	715	40	200	111	275%	S, US
	900	4	365T	LM28225	C/A	9980	SD4P40TCN31ET1	775	30	230/460	97/48.5	275%	S, US
	900	4	365T	LM28226	C/A	9980	SD4P40TCN3006ET1	775	30	200	112	275%	S, US
50	1800	4	326T	LM30746	C/A	7363	SD4P50TCN61ET1	532	60	230/460	121/60.5	250%	S, US
	1800	4	326T	LM30747	C/A	7363	SD4P50TCN6006ET1	532	60	200	139	250%	S, US
	1200	6	365T	LM28227	C/A	10174	SD6P50TCN61ET1	775	60	230/460	129/64.5	275%	S, US
	1200	6	365T	LM28228	C/A	10174	SD6P50TCN6006ET1	775	60	200	148	275%	S, US

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Encoder Pigtail Kits for VVVF Elevator Duty Motors

Applications:
Encoder pigtail kits are used to extend the length of the existing encoder leads.

▼ Kit Number	Stock	Description	List Price
LM30561		30 ft. encoder cable kit	738
LM31752		40 ft. encoder cable kit	738
LM30881		50 ft. encoder cable kit	872

▼ LM Numbers are Lincoln Models

Specifications are subject to change without notice

View On-line Technical Information

Definite Purpose Motors

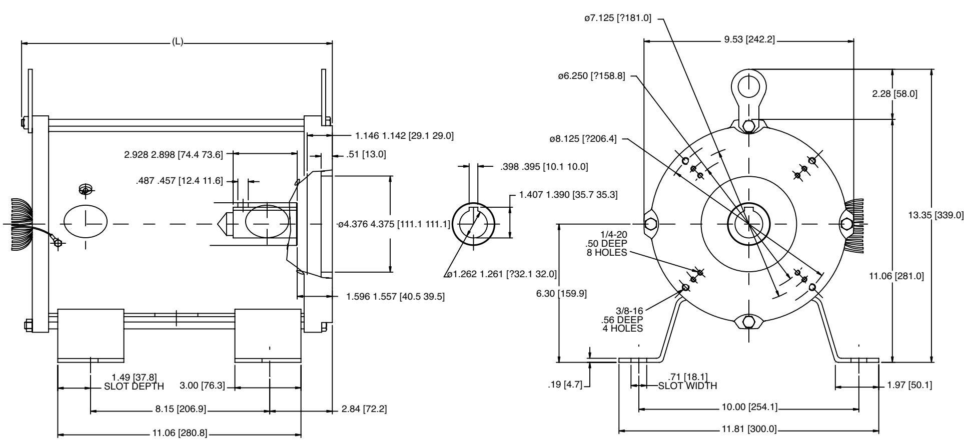
Submersible Hydraulic Elevator Pump Motors

Applications:

These motors are designed to meet the demands in the Hydraulic Elevator Pump Industry. Our Submersible Hydraulic pump elevator motors are ready to be placed in elevator systems for applications in hydraulic pump passenger, service, freight and low-rise elevators. Rated up to 6 floors at speeds up to 200 fpm.

Features:

- Intermittent duty
- Suitable for Wye-Delta starters
- 1.0 service factor and 70°C ambient rated
- Three bolt circles, 12 mounting holes, and face mounting to accept both the IMO and Allweiler pumps
- 10 foot long leads, spliced 40 inches from motor to prevent wicking of hydraulic fluid
- Thermostat leads are marked P1 and P2
- Class F insulation
- Two stainless steel nameplates, one shipped separate for remote mount
- UL recognized component listing and CSA approved



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LEESON

Three Phase - Open Submersible - Rigid Base

HP	SYN RPM	Frame	▼ Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	BTU/HR Motor Losses	KVA Code	F. L. Amps	Locked Rotor Amps	F.L. Eff.	App. Wgt. (lbs)	♥Notes
15	3600	160Z	LM29656	√	1058	SD2S15Z6006YEH3	110	14736	H	53	268	72.2	110	S, CN
	3600	160Z	LM29657	√	1058	SD2S15Z61YEH3	110	14736	H	46/23	250/125	72.2	110	S, CN
	3600	160Z	LM29658	√	1058	SD2S15Z65YEH3	110	14736	H	18.4	100	72.2	110	S, CN
20	3600	160Z	LM29659	√	1085	SD2S20Z6006YEH3	112	11792	G	64.4	363	76.4	112	S, CN
	3600	160Z	LM29660	√	1085	SD2S20Z61YEH3	112	11792	G	56/28	316/158	76.4	112	S, CN
	3600	160Z	LM29661	√	1085	SD2S20Z65YEH3	112	11792	G	22.4	126	76.4	112	S, CN
25	3600	160Z	LM29662	√	1181	SD2S25Z6006YEH3	115	10148	G	77.1	268	79	115	S, CN
	3600	160Z	LM29663	√	1181	SD2S25Z61YEH3	115	10148	G	67/33.5	250/125	79	115	S, CN
	3600	160Z	LM29664	√	1181	SD2S25Z65YEH3	115	10148	G	26.8	100	79	115	S, CN
30	3600	160Z	LM29665	√	1317	SD2S30Z6006YEH3	119	9603	G	92	268	79.9	119	S, CN
	3600	160Z	LM29666	√	1317	SD2S30Z61YEH3	119	9603	G	80/40	250/125	79.9	119	S, CN
	3600	160Z	LM29667	√	1317	SD2S30Z65YEH3	119	9603	G	32	100	79.9	119	S, CN
40	3600	160Z	LM29668	√	1688	SD2S40Z6006YEH3	132	7271	G	115	268	84	132	S, CN
	3600	160Z	LM29669	√	1688	SD2S40Z61YEH3	132	7271	G	100/50	250/125	84	132	S, CN
	3600	160Z	LM29670	√	1688	SD2S40Z65YEH3	132	7271	G	40	100	84	132	S, CN
50	3600	160Z	LM29671	√	1925	SD2S50Z6006YEH3	143	7271	H	140	268	84	143	S, CN
	3600	160Z	LM29672	√	1925	SD2S50Z61YEH3	143	7271	H	122/61	250/125	84	143	S, CN
	3600	160Z	LM29673	√	1925	SD2S50Z65YEH3	143	7271	H	48.8	100	84	143	S, CN

▼ LM Numbers are Lincoln Models

♥ Note listing on inside back flap

Specifications are subject to change without notice

Conversion Kit

L32 Kit Information:

Used to adapt the Lincoln Submersible Elevator motors to some IMO and Alweiler Pumps.
Kit includes needed through-bolts to mount this kit to these motors

L32 Bracket Conversion Kit

▼ Catalog Number	Desc. Sym	App. Wgt. (lbs)	List Price
LM31777	A	12	566

▼ LM Numbers are Lincoln Models

Specifications are subject to change without notice

View On-line Technical Information

Definite Purpose Motors

Unit Handling Motors

Applications:
Unit and baggage handling, conveyors, packaging equipment machine tools, elevators and door openers where a conduit box at 12:00 position is needed due to mounting size restrictions

Features:
- Low profile conduit box at the 12:00 position
- Base includes both 56H and 143-5T mounting holes and slots

Single Phase - TEFC - Rigid C Face

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	117701.00	√	505	C6C17FK92	22	115/208-230	4.4	1.15	12.48	S, US
3/4	1800	56C	117702.00	√	550	C6C17FK94	26	115/208-230	5.4	1.15	12.98	S, US
1	1800	56C	117703.00	√	596	C6C17FK93	30	115/208-230	6.4	1.15	12.98	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Single Phase - TEFC - C Face Less Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps 230V	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	117704.00	√	485	C6C17FC175	21	115/208-230	4.4	1.15	10.98	S, US
3/4	1800	56C	117705.00	√	530	C6C17FC176	25	115/208-230	5.4	1.15	11.48	S, US
1	1800	56C	117706.00	√	570	C6C17FC177	29	115/208-230	6.4	1.15	11.48	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEFC - Rigid C Face

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps 230V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	117707.00	√	419	C6T17FK99	21	208-230/460	2.0	74.0	1.15	12.48	S, US
3/4	1800	56C	117708.00	√	443	C6T17FK100	22	208-230/460	2.8	77.0	1.15	12.48	S, US
1	1800	56C	117709.00	√	475	C6T17FK101	30	208-230/460	3.6	77.0	1.15	12.48	S, US
1	1800	143TC	121982.00	√	693	C143T17FK23	32	208-230/460	3.4	85.5	1.15	12.92	S, US
1.5	1800	56C	117710.00	√	517	C6T17FK102	30	208-230/460	5.0	78.5	1.15	12.48	S, US
1.5	1800	143TC	121983.00	√	732	C143T17FK24	34	208-230/460	5.6	86.5	1.15	13.42	S, US
2	1800	145TC	121984.00	√	806	C145T17FK65	45	208-230/460	5.8	86.5	1.15	13.92	S, US

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	RPM	Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps 230V	% F.L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	117711.00	√	410	C6T17FC226	20	208-230/460	2.0	74.0	1.15	10.48	S, US
3/4	1800	56C	117712.00	√	438	C6T17FC227	22	208-230/460	2.8	77.0	1.15	10.48	S, US
1	1800	56C	117713.00	√	469	C6T17FC228	24	208-230/460	3.8	77.0	1.15	10.98	S, US
1	1800	143TC	121985.00	√	579	C143T17FC36	36	208-230/460	3.1	82.5	1.15	11.92	S, US
1.5	1800	56C	117714.00	√	511	C6T34FC107	29	208-230/460	4.2	78.5	1.15	11.48	S, US
1.5	1800	143TC	121986.00	√	604	C145T17FC114	41	208-230/460	4.4	84.0	1.15	12.92	S, US
2	1800	145TC	121987.00	√	621	C145T17FC115	44	208-230/460	5.6	84.0	1.15	13.42	S, US

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON

Definite Purpose Motors

Export Only Motors - Three Phase - EPACT and Standard Efficiency

Specifications:

These motors comply to the EPACT mandates of 1997, but do not comply with EISA mandates of Dec. 2010. They are not intended for use in the USA, and can be used on machinery that is exported out of the USA

Three Phase - TEFC - Rigid Base

HP	RPM @ 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs)	Voltage	% F.L. Eff.	♥Notes
1	1725	143T	EXG120014.00	√	490	31	208-230/460	82.50%	S, US
	1725	143T	EXG151696.60	√	526	49	208-230/460	84.00%	C, CN
1 1/2	3450	145T	EXG120086.00	√	541	45	208-230/460	82.50%	S, US
	3450	143T	EXG151698.60	√	581	45	208-230/460	82.50%	C, CN
	1725	145T	EXG120015.00	√	496	36	208-230/460	84.00%	S, US
	1725	145T	EXG151702.60	√	531	53	208-230/460	85.50%	C, CN
2	3450	145T	EXG120088.00	√	622	45	208-230/460	84.00%	S, US
	3450	145T	EXG151704.60	√	667	49	208-230/460	84.00%	C, CN
	1725	145T	EXG120016.00	√	524	46	208-230/460	84.00%	S, US
	1725	145T	EXG151703.60	√	564	56	208-230/460	85.50%	C, CN
3	3450	145T	EXG120185.00	√	712	42	208-230/460	85.50%	S, US
	3450	182T	EXG130099.00	√	763	60	208-230/460	85.50%	S, MX
	3510	182T	EXG151563.60	√	819	93	208-230/460	85.50%	C, CN
	1740	182T	EXG130008.00	√	620	68	208-230/460	87.50%	S, MX
	1750	182T	EXG151320.60	√	799	94	208-230/460	87.50%	C, CN
5	3500	184T	EXG150299.60	√	827	100	208-230/460	87.50%	C, CN
	3450	184T	EXG130101.00	√	878	73	208-230/460	87.50%	S, MX
	1740	184T	EXG130027.00	√	715	80	208-230/460	87.50%	S, MX
	1750	184T	EXG151322.60	√	848	101	208-230/460	87.50%	C, CN
7 1/2	3450	184T	EXG131082.00	√	978	91	208-230/460	88.50%	S, MX
	3450	S213T	EXG130103.00	√	1004	101	208-230/460	88.50%	S, MX
	3510	213T	EXG150158.60	√	1092	150	208-230/460	88.50%	C, CN
	1740	213T	EXG140578.00	√	957	144	208-230/460	89.50%	S, MX
	1750	213T	EXG150157.60	√	985	153	208-230/460	89.50%	C, CN
10	3510	215T	EXG140686.00	√	1287	126	208-230/460	89.50%	S, MX
	3510	215T	EXG150159.60	√	1270	167	208-230/460	89.50%	C, CN
	1740	215T	EXG140489.00	√	1037	167	208-230/460	89.50%	S, MX
	1750	215T	EXG150140.60	√	1109	176	208-230/460	89.50%	C, CN
15	3510	215T	EXG140687.00	√	1615	140	208-230/460	90.20%	S, MX
	3510	215T	EXG151317.60	√	1697	168	208-230/460	90.20%	C, CN
	3525	254T	EXG150062.60	√	1699	260	208-230/460	90.20%	C, CN
	1770	254T	EXG150066.60	√	1749	284	208-230/460	91.00%	C, CN
20	3525	256T	EXG150033.60	√	2310	296	208-230/460	90.20%	C, CN
	1750	256T	EXG150007.60	√	2152	321	208-230/460	91.00%	C, CN
25	3525	256T	EXG151318.60	√	2722	307	208-230/460	91.00%	C, CN
	3550	284TS	EXG150035.60	√	2791	349	208-230/460	91.00%	C, CN
	1770	284T	EXG150011.60	√	2532	370	208-230/460	92.40%	C, CN
30	1770	286T	EXG150015.60	√	3080	428	208-230/460	92.40%	C, CN
40	1780	324T	EXG150019.60	√	3976	528	208-230/460	93.00%	C, CN
50	1780	326T	EXG150023.60	√	4902	561	208-230/460	93.00%	C, CN
60	1780	364T	EXG150027.60	√	7158	687	208-230/460	93.60%	C, CN
75	1780	365T	EXG150031.60	√	8264	723	208-230/460	94.10%	C, CN
100	1780	405T	EXG150087.60	√	11102	1050	208-230/460	94.50%	C, CN
125	1780	444T	EXG151369.60	√	14739	1920	460	94.50%	C, CN
150	1790	445T	EXG151371.60	√	16538	1900	460	95.00%	C, CN
200	1790	447T	EXG150352.60	√	21083	2053	460	95.00%	C, CN
250	1790	449T	EX151516.60	√	25212	2425	460	95.00%	C, CN
300	1785	449T	EX151529.60	√	28356	2558	460	95.40%	C, CN
350	1790	449T	EX151530.60	√	29547	2710	460	95.40%	C, CN

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Definite Purpose Motors

Export Only Motors - Three Phase - EPACT and Standard Efficiency

Three Phase - TEFC - C Face With Base

HP	RPM @ 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs.)	Voltage	% F.L. Eff.	♥Notes
1	1740	145TC	EXG121286.00	√	576	35	208-230/460	82.50%	S, US
1 1/2	1725	145TC	EXG121287.00	√	575	37	208-230/460	84.00%	S, US
2	1725	145TC	EXG120276.00	√	602	45	208-230/460	84.00%	S, US
3	1760	182TC	EXG130326.00	√	747	68	208-230/460	87.50%	S, MX
	1750	182TC	EXG151565.60	√	866	94	208-230/460	87.50%	C, CN
5	1760	184TC	EXG130328.00	√	857	81	208-230/460	87.50%	S, MX
	1750	184TC	EXG151566.60	√	950	101	208-230/460	87.50%	C, CN
7 1/2	1740	213TC	EXG140183.00	√	1026	153	208-230/460	89.50%	S, MX
	1760	213TC	EXG150165.60	√	1085	156	208-230/460	89.50%	C, CN
10	1740	215TC	EXG140147.00	√	1201	162	208-230/460	89.50%	S, MX
	1760	215TC	EXG150167.60	√	1277	178	208-230/460	89.50%	C, CN
15	1770	254TC	EXG150102.60	√	1832	268	208-230/460	91.00%	C, CN
20	1770	256TC	EXG150080.60	√	2236	321	208-230/460	91.00%	C, CN
25	1770	284TC	EXG150081.60	√	2883	387	208-230/460	92.40%	C, CN
30	1770	286TC	EXG150082.60	√	3188	433	208-230/460	92.40%	C, CN
40	1780	324TC	EXG150083.60	√	4351	572	208-230/460	93.00%	C, CN
50	1780	326TC	EXG150084.60	√	5043	631	208-230/460	93.00%	C, CN
60	1780	364TC	EXG150085.60	√	7607	699	208-230/460	93.60%	C, CN
75	1780	365TC	EXG150086.60	√	9648	757	208-230/460	94.10%	C, CN
100	1780	405TC	EXG151680.60	√	12068	1100	208-230/460	94.50%	C, CN

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

Three Phase - TEFC - C Face Less Base

HP	RPM @ 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	App. Wgt. (lbs.)	Voltage	% F.L. Eff.	♥Notes
1	1725	143TC	EX120024.00	√	476	26	208-230/460	77.00%	S, US
1 1/2	1725	145TC	EX120037.00	√	489	32	208-230/460	80.00%	S, US
2	1725	145TC	EX120038.00	√	524	35	208-230/460	81.50%	S, US
3	1725	145TC	EX121035.00	√	694	44	208-230/460	82.50%	S, US
	1740	182TC	EX131491.00	√	665	52	208-230/460	82.50%	S, MX
5	1725	184TC	EX131492.00	√	762	64	208-230/460	82.50%	S, MX
7 1/2	1740	184TC	EX131606.00	√	979	66	208-230/460	87.00%	S, MX
	1740	213TC	EX151346.60	√	1060	162	208-230/460	87.90%	C, CN
	1750	S213TC	EX131528.00	√	979	102	208-230/460	87.00%	S, MX
10	1740	215TC	EX140109.00	√	1173	141	208-230/460	89.50%	S, MX
	1750	215TC	EX151348.60	√	1249	185	208-230/460	88.40%	C, CN
15	1760	254TC	EX151350.60	√	1773	284	208-230/460	90.00%	C, CN
20	1760	256TC	EX151352.60	√	2236	270	208-230/460	91.20%	C, CN
25	1760	284TC	EX151507.60	√	2817	390	208-230/460	91.30%	C, CN
30	1760	286TC	EX151508.60	√	3386	411	208-230/460	91.50%	C, CN
40	1760	324TC	EX151509.60	√	4332	548	208-230/460	92.10%	C, CN
50	1760	326TC	EX151510.60	√	4998	594	208-230/460	92.40%	C, CN
60	1760	364TC	EX151519.60	√	7511	778	208-230/460	92.70%	C, CN

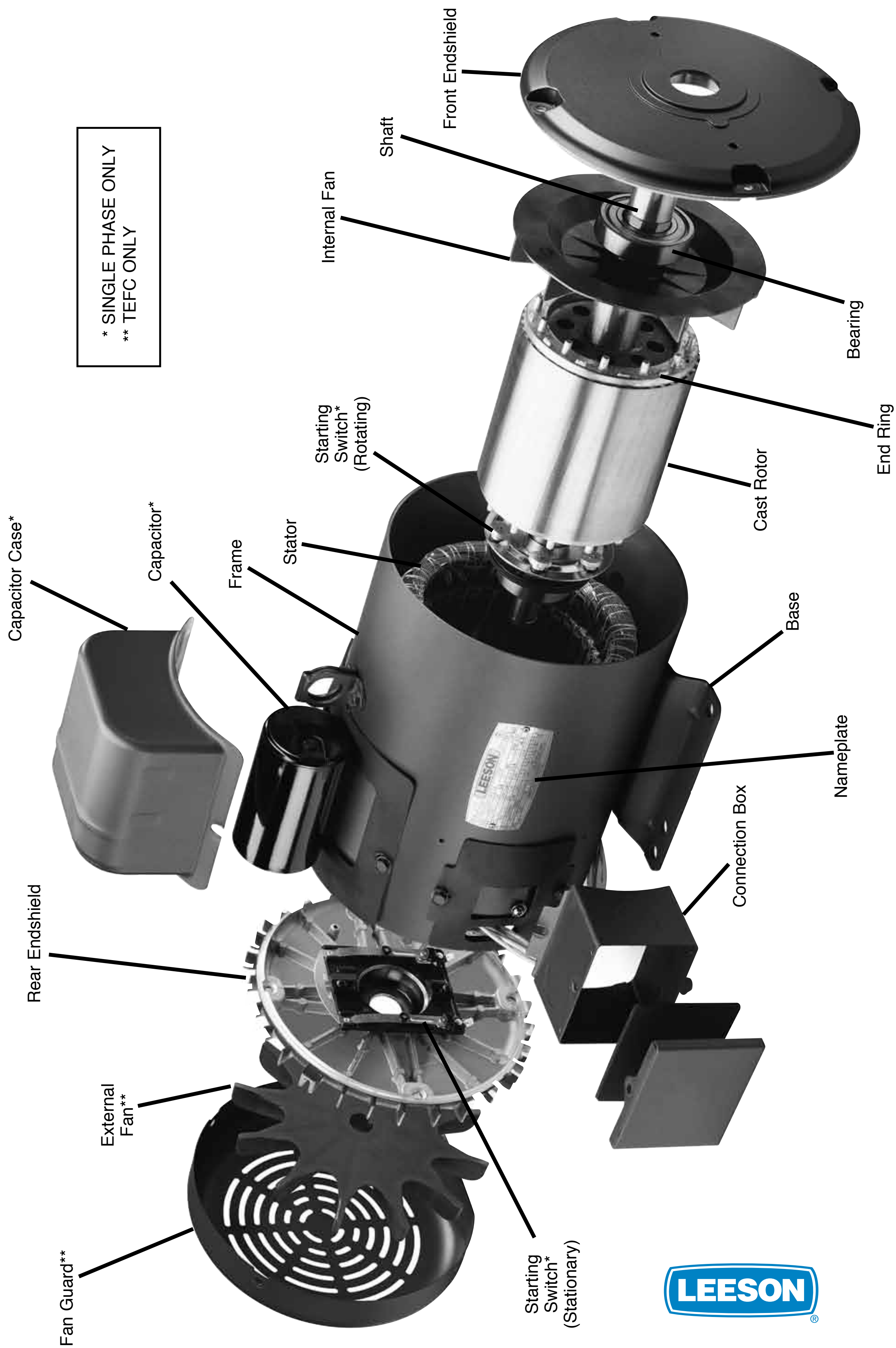
C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Major Components of an Electric Motor



Brakemotors

Features:

- Fail-safe positive stop and holding brakes
- Load stops automatically when power is turned off
- Manual brake release designs
- Dual voltage brake coils
- Single and three phase models
- Washdown duty models
- Brake kits available
- Coupler brake kits available

Applications:

For use where quick response stopping and holding is required in the application, which may include conveyors, hoists, packaging equipment etc…

LEESON

Single Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	114165.00	√	974	C6C17NK19	28	115/208-230	2.9	1.15	14.06	S, US, 12
1/2	1800	56C	3	111950.00	√	1053	C6C17FK20	32	115/208-230	4.4	1.0	15.06	S, US, 13
3/4	1800	56C	6	114167.00	√	1383	C6C17FK50	38	115/208-230	5.4	1.15	15.56	S, US, 13
1	1800	56C	6	111951.00	√	1466	C6K17FK21	38	115/208-230	5.3	1.0	16.07	S, US, 13, 53
1 1/2	1800	145TC	10	121815.00	√	1553	C145K17FK17	40	115/208-230	8.8	1.0	18.23	S, US, 13, 53
2	1800	145TC	10	121816.00	√	1589	C145K17FK16	40	115/208-230	9.2	1.0	19.23	S, US, 13, 53

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - Drip-Proof - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56	3	114162.00	√	948	C6T17DB46	28	208-230/460	2.0	1.25	74.0	13.56	S, US
3/4	1800	56	6	114163.00	√	1106	C6T17DB47	29	208-230/460	2.8	1.25	77.0	14.06	S, US
1	1800	56	6	114164.00	√	1205	C6T17DB48	32	208-230/460	4.2	1.15	78.5	14.06	S, US
1 1/2	1800	145T	10	G120370.00	√	1382	C145T17DB64	44	208-230/460	4.4	1.15	84.0	16.00	S, US
2	1800	145T	10	G120371.00	√	1568	C145T17DB65	45	208-230/460	6.0	1.15	84.0	16.00	S, US
3	1800	182T	15	G131626.00	√	1936	C182T17DB46	65	208-230/460	8.4	1.15	86.5	16.89	S, MX
5	1800	184T	25	G131627.00	√	2434	C184T17DB63	95	208-230/460	13.2	1.15	87.5	17.89	S, MX
7 1/2	1800	213T	35	G140611.00	√	2975	C213T17DB7	130	208-230/460	20.0	1.15	88.5	23.01	S, MX
10	1800	215T	50	G140635.00	√	3767	C215T17DB23	138	208-230/460	28.0	1.15	89.5	25.01	S, MX

35 and 50 Ft-lb brakes - Horizontal mounting only

♥ Note listing on inside back flap

All 180 and 210 frame Rolled Steel motors have Class F Insulation.

Specifications are subject to change without notice

Three Phase - Drip-Proof - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	114156.00	√	974	C6T17DC53	28	208-230/460	2	1.25	74.0	13.56	S, US
3/4	1800	56C	6	114157.00	√	1135	C6T17DC55	38	208-230/460	2.8	1.25	77.0	14.06	S, US
1	1800	56C	6	114166.00	√	1227	C6T17DC54	40	208-230/460	3.4	1.15	78.5	14.06	S, US
	1800	143TC	6	121678.00	√	1227	C143T17DC14	42	208-230/460	3.4	1.15	78.5	14.50	S, US
1 1/2	1800	145TC	10	120372.00	√	1427	C145T17DC16	43	208-230/460	5.6	1.15	78.5	15.50	S, US
	1800	56C	10	116766.00	√	1427	C6T17DC83	43	208-230/460	5.6	1.15	78.5	15.50	S, US
2	1800	145TC	10	120373.00	√	1608	C145T17DC17	47	208-230/460	6.2	1.15	78.5	16.00	S, US
3	1800	182TC	15	131624.00	√	2024	C182T17DC21	56	208-230/460	10	1.15	80.0	16.40	S, MX
5	1800	184TC	25	131625.00	√	2512	C184T17DC18	76	208-230/460	14.2	1.15	84.0	17.35	S, MX

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Brakemotors

Single Phase & Three Phase

Three Phase - Drip-Proof - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	111326.00	√	983	C6T17DK7	31	208-230/460	2.0	1.25	74.0	13.56	S, US
3/4	1800	56C	6	111327.00	√	1151	C6T17DK8	34	208-230/460	2.8	1.25	77.0	14.06	S, US
1	1800	56C	6	111328.00	√	1243	C6T17DK9	42	208-230/460	4.2	1.15	78.5	14.06	S, US
1 1⁄2	1800	145TC	10	G121053.00	√	1430	C145T17DK15	42	208-230/460	4.4	1.15	84.0	16.00	S, US
2	1800	145TC	10	G121054.00	√	1608	C145T17DK14	51	208-230/460	6.0	1.15	84.0	16.50	S, US
3	1800	182TC	15	G131558.00	√	2227	C182T17DK14	84	208-230/460	8.4	1.15	86.5	16.90	S, MX
5	1800	184TC	25	G131559.00	√	2713	C184T17DK21	97	208-230/460	13.2	1.15	87.5	18.35	S, MX
7 1⁄2	1800	213TC	35	G140610.00	√	3162	C213T17DK5	115	208-230/460	20.0	1.15	88.5	23.51	S, MX
10	1800	215TC	50	G140638.00	√	3953	C215T17DK4	125	208-230/460	28.0	1.15	89.5	25.01	S, MX

35 and 50 Ft-lbs brakes - Horizontal mounting only

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEFC - Rigid Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56	3	114151.00	√	925	C6T17NB51	28	208-230/460	1.3	1.15	72.0	13.56	S, US, 12
1/2	1800	56	3	114150.00	√	1008	C6T17NB50	33	208-230/460	1.8	1.15	78.5	14.06	S, US, 12
	1200	56	6	114149.00	√	1390	C6T11FB16	33	208-230/460	2.4	1.15	70.0	15.56	S, US
3/4	1800	56	6	114147.00	√	1180	C6T17FB79	34	208-230/460	2.8	1.15	77.0	15.56	S, US
	1200	56	6	114148.00	√	1459	C6T11FB15	43	208-230/460	3.0	1.15	75.5	16.06	S, US
1	1800	56	6	114146.00	√	1367	C6T17FB80	37	208-230/460	3.8	1.15	77.0	16.06	S, US
	1800	143T	6	G121679.00	√	1350	C143T17FB22	40	208-230/460	3.1	1.15	82.5	17.50	S, US
	1200	145T	10	G121050.00	√	1925	C145T11FB18	45	208-230/460	3.6	1.15	80.0	17.52	S, US
1 1⁄2	1800	56	10	116767.00	√	1535	C6T17FB153	44	208-230/460	4.4	1.15	84.0	17.08	S, US
	1800	145T	10	G120329.00	√	1514	C145T17FB72	44	208-230/460	4.4	1.15	84.0	17.52	S, US
2	1800	145T	10	G120330.00	√	1550	C145T17FB73	53	208-230/460	5.6	1.15	84.0	18.00	S, US
	1200	184T	15	G131620.00	√	2587	C184T11FB16	80	208-230/460	7.2	1.15	86.5	20.33	S, MX
3	1800	182T	15	G131613.00	√	2116	C182T17FB43	78	230/460	8.2	1.15	87.5	18.83	S, MX
	1200	213T	35	G140601.00	√	3839	C213T11FB2	147	208-230/460	12.0	1.15	87.5	26.49	S, MX
5	1800	184T	25	G131614.00	√	2624	C184T17FB52	102	230/460	13.0	1.15	87.5	20.78	S, MX
7 1⁄2	1800	213T	35	G140603.00	√	3377	C213T17FB11	162	208-230/460	20.4	1.15	89.5	26.49	S, MX
10	1800	215T	50	G140636.00	√	3874	C215T17FB25	174	208-230/460	26.0	1.15	89.5	27.99	S, MX

35 and 50 Ft-lbs brakes - Horizontal mounting only

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

Brakemotors

Single Phase & Three Phase

Three Phase - TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	110669.00	√	929	C6T17NK1	30	208-230/460	1.3	1.15	72.0	13.56	S, US
1/2	1800	56C	3	110670.00	√	1044	C6T17NK2	34	208-230/460	1.8	1.15	78.5	14.06	S, US
	1800	56C	3	114154.00	√	1044	C6T17FK49	34	208-230/460	2.4	1.15	74.0	15.06	S, US
	1200	56C	3	114152.00	√	1502	C6T11FK5	34	208-230/460	2.4	1.15	70.0	15.56	S, US
3/4	1800	56C	6	110671.00	√	1222	C6T17NK3	34	208-230/460	2.5	1.15	80.0	14.56	S, US
	1800	56C	6	114155.00	√	1222	C6T17FK48	46	208-230/460	2.8	1.0	77.0	15.56	S, US
1	1800	56C	6	110679.00	√	1438	C6T17FK1	32	208-230/460	3.6	1.15	77.0	15.56	S, US
	1800	143TC	6	G121557.00	√	1416	C143T17FK16	43	208-230/460	3.1	1.15	82.5	17.50	S, US
1 1/2	1800	145TC	10	G121051.00	√	1586	C145T17FK41	45	230/460	4.4	1.15	84.0	17.50	S, US
2	1800	145TC	10	G121052.00	√	1633	C145T17FK42	59	208-230/460	5.6	1.15	84.0	18.00	S, US
3	1800	182TC	15	G131617.00	√	2218	C182T17FK17	79	230/460	8.2	1.15	87.5	18.83	S, MX
5	1800	184TC	25	G131618.00	√	2771	C184T17FK19	117	230/460	13.0	1.15	87.5	20.78	S, MX
7 1/2	1800	213TC	35	G140605.00	√	3537	C213T17FK10	163	208-230/460	20.4	1.15	89.5	26.49	S, MX
10	1800	215TC	50	G140639.00	√	4541	C215T17FK6	175	208-230/460	260.	1.15	89.5	27.99	S, MX

35 and 50 Ft-lbs brakes - Horizontal mounting only

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	114158.00	√	944	C6T17NC194	26	208-230/460	1.3	1.15	72.0	13.56	S, US, 12
1/2	1800	56C	3	114159.00	√	1028	C6T17FC111	26	208-230/460	2.0	1.15	74.0	15.06	S, US
3/4	1800	56C	6	114160.00	√	1206	C6T17FC112	34	208-230/460	2.8	1.15	77.0	15.06	S, US
1	1800	56C	6	114161.00	√	1392	C6T17FC110	31	208-230/460	3.6	1.15	77.0	15.56	S, US
	1800	143TC	6	121556.00	√	1392	C143T17FC30	37	208-230/460	3.8	1.15	77.0	17.00	S, US
1 1/2	1800	56C	10	116768.00	√	1561	C6T17FC212	40	208-230/460	5.0	1.15	78.5	16.56	S, US
	1800	145TC	10	120331.00	√	1561	C145T17FC11	40	208-230/460	5.0	1.15	78.5	17.00	S, US
2	1800	145TC	10	120332.00	√	1602	C145T17FC12	51	208-230/460	6.0	1.15	84.0	18.00	S, US
3	1800	182TC	15	131610.00	√	2219	C182T17FC28	69	230/460	9.0	1.15	84.0	18.73	S, MX
5	1800	184TC	25	131611.00	√	2744	C184T17FC34	92	230/460	13.2	1.15	86.0	19.18	S, MX
7 1/2	1800	S213TC	35	131612.00	√	3511	C184T17FC36	149	230/460	19.6	1.15	87.0	25.29	S, MX
10	1800	215TC	50	140637.00	√	4459	C215T17FC8	136	208-230/460	26.0	1.15	89.5	27.99	S, MX

35 and 50 Ft-lbs brakes - Horizontal mounting only

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Brakemotors

Washguard

Washguard Brakemotors - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	116466.00	√	1335	C6T17VK28	40	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	116467.00	√	1361	C6T17VK30	42	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	116468.00	√	1615	C6T17VK29	44	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	116469.00	√	1669	C6T17VK27	48	208-230/460	3.2	80.0	1.15	15.50	S, US, 12
	1800	143TC	6	121616.00	√	1669	C143T17VK7	49	208-230/460	3.2	80.0	1.15	16.06	S, US, 12
1 1/2	1800	145TC	10	G121617.00	√	2313	C145T17WK22	50	208-230/460	4.4	84.0	1.15	19.01	S, US, 13
2	1800	145TC	10	G121618.00	√	2399	C145T17WK21	62	208-230/460	5.6	84.0	1.15	19.01	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Washguard Brakemotors - TENV/TEFC - C Face Less Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/3	1800	56C	3	116462.00	√	1288	C6T17VC43	39	208-230/460	1.3	72.0	1.15	14.00	S, US, 12
1/2	1800	56C	3	116463.00	√	1320	C6T17VC42	41	208-230/460	1.8	78.5	1.15	14.50	S, US, 12
3/4	1800	56C	6	116464.00	√	1571	C6T17VC44	43	208-230/460	2.5	80.0	1.15	15.00	S, US, 12
1	1800	56C	6	116465.00	√	1627	C6T17VC45	45	208-230/460	3.2	80.0	1.15	15.50	S, US, 12
	1800	143TC	6	121613.00	√	1627	C143T17VC8	46	208-230/460	3.2	80.0	1.15	15.56	S, US, 12
1 1/2	1800	145TC	10	121614.00	√	2255	C145T17WC20	49	208-230/460	5.0	78.5	1.15	18.01	S, US, 13
2	1800	145TC	10	121615.00	√	2319	C145T17WC19	61	208-230/460	6.2	81.5	1.15	18.51	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Stainless Steel Brakemotors

Three Phase - TENV/TEFC - C Face With Base

HP	SYN RPM 60 Hz	NEMA Frame	Brake Rating (ft-lbs)	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	Service Factor	% F.L. Eff.	"C" Dim. (Inches)	♥Notes
1/2	1800	56C	3	116483.00	√	5035	CZ6T17VK31	59	208-230/460	1.6	78.5	1.15	15.85	S, US, 12
1	1800	56C	6	116484.00	√	5305	CZ6T17VK32	69	208-230/460	3.0	81.5	1.15	15.85	S, US, 12

Specifications are subject to change without notice

♥ Note listing on inside back flap

- Kit of components to convert 56 through 256T frame stock TEFC motors to fail-safe brakemotors.
- Kit mounts on fan end of motor. Kits for 56-184T steel frame motors include totally enclosed Stearns AC brake, replacement cast fan cover, shaft extension, fan and hardware. Kits for 213T-256T cast iron frame motors do not include brake, but are designed for Stearns 87,000 series brake.
- Two 1/2" NPT holes with 18" leads are provided for connections. The BRAKEKIT adds 5-1/8" to the overall length of 56 and 143-5T frame, and 5-7/8" to the overall length of 182-184T frame.

Brakekits

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No. 115-208/230 V Brake Coil Voltage	List Price	Cat. No. 208-230/460 V Brake Coil Voltage	List Price	Cat. No. 575 V Brake Coil Voltage	List Price	App. Wt. (lbs.)
3	48/S56	1	——		175615.00◊	678	——		10
	56/143-5T	1	175762.00◊	678	175765.00◊	678	175768.00◊	678	10
6	56/143-5T	2	175763.00◊	780	175766.00◊	780	175769.00◊	780	10
10	56/143-5T	3	175764.00◊	893	175767.00◊	893	175770.00◊	893	10
15	182-4T	3	——		175696.00	1667	175698.00	1667	12
25	182-4T	5	——		175697.00	1889	175699.00	1889	12

56/143-5T frame Brakekits cannot be used on S56 frame motors.
Use the 182-4T frame Brakekits on motors having catalog numbers with a "G" prefix or that are 131454 or higher.
182-4T frame Brakekits can also be used on single-phase 4-pole (1725RPM) motors, but can only be connected for 208-230V. All brake coils are single phase.
— For motors having a "P" for the suffix letter on the date code and having a face mount fan guard.
◊ For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.

Brake Selection

In this table, brake torque ratings are no less than 140% of the motor full load torque. Match HP & frame size of motor with appropriately rated BRAKEKIT.

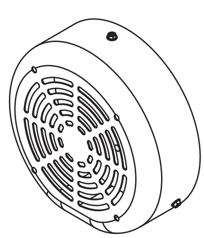
	Brakemotor RPM Torque Rating of Brake (Lb-Ft)		
HP	3450	1725	1140
1/3	3	3	3
1/2	3	3	3
3/4	3	6	6
1	3	6	6
1 1/2	6	10	10
2	6	10	15
3	10	15	25
5	15	25	35
7.5	25	35	50
10	25	50	75
15	35	75	105
20	50	105	–

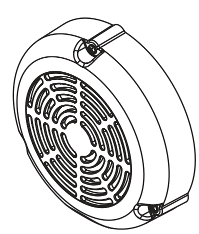
Brake Adapter Kits

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Catalog Number	List Price	App. Wt. (lbs.)
6-105	213-5T	10	175710.60	308	30
6-105	254-6T	20	175711.60	438	40

- Brake Adapter Kits include adapter casting/fan guard, brake fan, adapter shaft and hardware needed to mount a Stearns® 87,000 series brake (sold separately by Stearns®).
- Shaded frame sizes are for use with cast iron motors.

Old Design





New Design - Face Mount

Brakemotors

Washguard Brakekits™

Kit of components including a Stearns NEMA 4X brake to convert 56 thru 145T frame stock TEFC only motors to fail-safe brakemotors. Food safe white epoxy finish. BISSC Certified. Adds 5 1/8" to the overall length of 56 thru 145T WASHGUARD TEFC motors.

For 230/460V Three Phase and 230V Single Phase Motors

Brake Rating (ft-lbs)	Mounts to NEMA Frame	Max. HP @ 1725rpm	Cat. No. 230/460 V Brake Coil Voltage	List Price	App. Wt. (lbs.)
3	56/143-5T	1	175771.00*	1311	24
6	56/143-5T	2	175772.00*	1382	36
10	56/143-5T	3	175773.00*	1456	43

* For 56/145 frame motors having a "B" for the suffix letter for the date code and having a face mount fan guard.

Specifications are subject to change without notice

Coupler Brakes

Double C Face Coupler Brakes

- A new and expanded line of Coupler Brakes designed for applications where mounting the brake between the motor and driven load is the preferred, or most convenient, location. They are an excellent problem solver for applications where a brake needs to be added to existing equipment – without replacing the motor.
- Rugged cast alumimum or cast iron construction Stearns brakes are well suited to most industrial applications. Coupler brakes are designed to be C-face connected on both ends – these brakes are not suited for overhung loads to be applied to the output shaft.
- A wide range of voltages and brake torque ratings in both NEMA 2 and NEMA 4X enclosures are available from stock. NEMA 2 brakes are best suited for use with standard ODP and TEFC motors. NEMA 4X brakes are designed for use with LEESON WASHGUARD motors.

General Purpose Coupler Brakes

- Mounts directly to the face and shaft of NEMA 56 through 215T-frame C-face motors to create a fail-safe brakemotor.
- The 6 ft.lb. brake mounts to NEMA 56C or 143-5TC motors using an optional adaptor sleeve, which is included with the brake. Output shaft can be either 56C or 143-5TC depending on the location of the provided adaptor sleeve. A 1/2 NPT threaded lead exit hole is provided for power connections.

Stearns

General Purpose (NEMA 2) Coupler Brakes
For Both Single and Three Phase Motors

Brake Rating (ft-lbs)	Max. HP @ 1725 rpm	Motor Voltage 115/208-230V	Motor Voltage 208-230/460V	Motor Voltage 575V	List Price	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	Add to Motor "C" Dim.	App. Wt. (lbs.)
3	1	175563.00	175564.00	175565.00	670	56C	5/8", 56C	4.91	13
6	2	175569.00	175570.00	175571.00	768	56C/143-5TC	5/8" or 7/8", 56C	4.91	14
10	3	175575.00	175576.00	175577.00	805	143-5TC	7/8", 143-5TC	4.91	15
15	3	—	175581.00	—	919	143-5TC	7/8", 143-5TC	4.91	16
	3	—	175583.00	—	3272	182-4TC	1 1/8", 182-4TC	8.38	58
25	5	—	175585.00	—	3421	182-4TC	1 1/8", 182-4TC	8.38	58
35	7 1/2	—	175587.00	—	3755	213-5TC	1 3/8", 213-5TC	8.88	60
50	10	—	175589.00	—	4156	213-5TC	1 3/8", 213-5TC	8.88	62

Specifications are subject to change without notice

Washguard Coupler Brakes

Solid die-cast Aluminum Stearns NEMA 4X coupler brake converts any TEFC or TENV 56C thru 215TC motor to a fail-safe brakemotor by mounting between the C-face motor and driven equipment. Food safe white epoxy finish. BISSC Certified. Adds 5" to the overall length of 56C thru 145TC WASHGUARD TEFC or TENV motors. Includes all mounting components.

Washguard (NEMA 4X) Coupler Brakes
For Both Single and Three Phase Motors

Brake Rating (ft-lbs)	Max. HP @ 1725 rpm	Motor Voltage 115/208-230V	Motor Voltage 208-230/460V	Motor Voltage 575V	List Price	Mounts to NEMA Frame	Coupler Brake Output Shaft and Face	Add to Motor "C" Dim.	App. Wt. (lbs.)
3	1	175566.00	175567.00	175568.00	1179	56C	5/8", 56C	4.94	13
6	2	175572.00	175573.00	175574.00	1269	56C/143-5TC	5/8" or 7/8", 56C	4.94	14
10	3	175578.00	175579.00	175580.00	1343	143-5TC	7/8", 143-5TC	4.94	15
15	3	—	175582.00	—	1562	143-5TC	7/8", 143-5TC	4.94	16
15	3	—	175584.00	—	4230	182-4TC	1 1/8", 182-4TC	8.38	58
25	5	—	175586.00	—	4312	182-4TC	1 1/8", 182-4TC	8.38	58
35	7 1/2	—	175588.00	—	4472	213-5TC	1 3/8", 213-5TC	8.88	60
50	10	—	175590.00	—	4995	213-5TC	1 3/8", 213-5TC	8.88	62

Specifications are subject to change without notice

IEC Motors

AC Metric – Three Phase – 230/460 Volt – 575 Volt

These motors meet North American performance standards and Premium energy efficiency mandates, and have 1.15 service factors.

Typically used for replacement on machine tools, textile tools, textile machinery and other equipment with metric dimensions but requiring the high torque and performance of motors designed for use in North America.

Features:

- Aluminum frame and cast iron frame construction
- DC and stainless steel IEC motors available
- 60/50 Hz interchangeability
- B3, B5, B14 mounting flanges
- Flange kits available
- Inverter rated (IRIS™) insulation system on AC models
- 3-year warranty on premium efficiency models
- 1-year warranty on DC and standard efficiency models
- UL listed and CSA certified

AC Metric (IEC) Motors – Three Phase

LEESON's Inverter Rated Insulation System, (IRIS™) provides superior protection against voltage spikes induced by variable frequency drives.

CONFORMITE EUROPEENE

ALUMINUM FRAME

CSA: File number LR33543

UL: File number E57948 for motors produced January 2004 and later

Terminal Boards included.
- 230/460V motors have 9 leads.
- 575V motors have 3 leads.
- All terminal boards have 6 posts.

IP55 weatherproof enclosure allows for use in a wide range of applications.

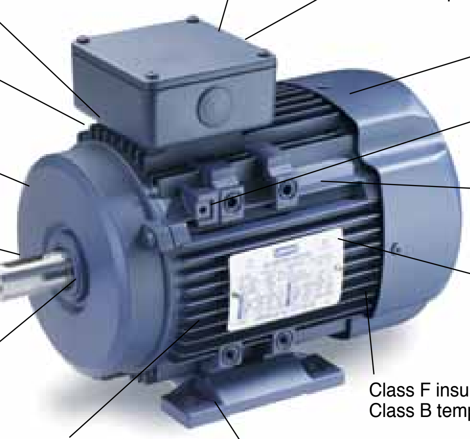
Conduit box with neoprene gaskets. Reposition metric "PG" tapped lead exit hole by rotating box in 90 degree increments. Move box to F1 or F2 position by relocating motor feet.

Drain Hole locations in four quadrants can be drilled-out for multi-position condensate drainage.

Special design steel fan cover and low-noise fan maximize airflow efficiency.

D flange (B5) and C face (B14) models available. Field conversion kits also offered.

External grounding provision.



"Captive Shaft" keyway.

Multi-mount repositionable feet allow for three conduit box positions (F2, F1, F3).

Drilled and tapped shaft.

Aluminum "full fact" nameplate with information on motor efficiency and power factor. Stamped with 60 Hz and 50 Hz data.

Oil seals on both the drive end and non drive end.

Class F insulation system with Class B temperature rise or lower.

High efficiency design utilizes low-loss steel laminations for optimum power and performance.

Removable feet.

CAST IRON FRAME

CSA: File number LR62104

UL: File number E57948 for motors produced June 2003 and later

Conduit box with neoprene gaskets. Reposition metric "PG" threaded lead exit by rotating box in 90 degree increments. Motors 132 frame and larger have second lead exit hole for auxiliary box. Box is fixed at F3 location.

Terminal Boards included.
- 230/460V motors, 132-frame and larger have 12 leads and 9 post terminal boards.
- 230/460V motors, smaller than 132-frame have 9 leads and 6 post terminal boards.
- 575V motors have 3 leads and 6 post terminal boards.

Heavy-duty cast iron construction includes frame, endbells and conduit box.

High efficiency design utilizes low-loss steel laminations for optimum power and performance.

IP55 weatherproof enclosure allows for use in a wide range of applications.

Non-sparking fan. Small size reduces noise and enhances efficiency.

D flange (B5) and C face (B14) models available. Field conversion kits also offered.

Steel fan cover.

Drilled and tapped shaft.

Stainless steel "full fact" nameplate with information on motor efficiency and power factor. Stamped with 60 Hz and 50 Hz data

Oil seals on both the drive end and non drive end.

Cast iron mounting feet are precision machined for accurate alignment.

Class F insulation system with Class B temperature rise or lower.

IEC Metric Motors

AC Metric (IEC) Motors - B3 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63	192010.00	√	257	C63T34FZ1	10	230/460	0.8	72.0	1.15	8.55	A, CN
	1800	D63	192011.00	√	267	C63T17FZ1	11	230/460	1.1	68.0	1.15	8.55	A, CN
	1200	D71	192012.00	√	456	C71T11FZ1	12	230/460	1.2	64.0	1.15	9.16	A, CN
1/3-0.25	3600	D63	192020.00	√	295	C63T34FZ2	11	230/460	1.1	72.0	1.15	8.55	A, CN
	1800	D71	192021.00	√	312	C71T17FZ1	13	230/460	1.4	68.0	1.15	9.46	A, CN
	1200	D80	192022.00	√	487	C80T11FZ1	17	230/460	1.3	70.0	1.15	11.11	A, CN
1/2-0.37	3600	D71	192030.00	√	321	C71T34FZ1	13	230/460	1.6	74.0	1.15	9.46	A, CN
	1800	D71	192031.00	√	325	C71T17FZ2	14	230/460	1.8	74.0	1.15	9.46	A, CN
	1200	D80	192032.00	√	510	C80T11FZ2	19	230/460	1.9	72.0	1.15	11.11	A, CN
3/4-0.55	3600	D71	192040.00	√	335	C71T34FZ2	15	230/460	2.4	74.0	1.15	9.46	A, CN
	1800	D80	192041.00	√	353	C80T17FZ1	18	230/460	2.5	74.0	1.15	11.11	A, CN
	1200	D80	192042.00	√	546	C80T11FZ3	22	230/460	2.7	72.0	1.15	11.11	A, CN
1-0.75	3600	D80	192050.00	√	379	C80T34FZ1	21	230/460	2.8	75.5	1.15	11.11	A, CN
	1800	D80	192051.00	√	387	C80T17FZ2	26	230/460	3.2	80.0	1.15	11.11	A, CN
	1200	D90S	192200.00	√	655	C90T11FZ13	33	230/460	3.3	82.5	1.15	12.61	A, CN
1 1/2-1.1	3600	D80	192060.00	√	420	C80T34FZ2	27	230/460	4.0	84.0	1.15	11.11	A, CN
	1800	D90S	192202.00	√	495	C90T17FZ13	37	230/460	4.6	88.5	1.15	12.61	A, CN
2-1.5	3600	D90S	192208.00	√	516	C90T34FZ13	33	230/460	5.2	85.5	1.15	12.61	A, CN
	1800	D90L	192205.00	√	533	C90T17FZ16	38	230/460	5.8	87.5	1.15	12.61	A, CN
	1200	DF100L	193300.60	√	889	C100T11FZ20	82	230/460	6.4	88.5	1.15	14.97	C, CN
3-2.2	3600	D90L	192209.00	√	743	C90T34FZ14	39	230/460	7.2	86.5	1.15	12.61	A, CN
	1800	DF100L	193301.60	√	862	C100T17FZ41	84	230/460	8.2	90.2	1.15	14.97	C, CN
	1200	DF112M	193302.60	√	1250	C112T11FZ21	100	230/460	9.6	89.5	1.15	15.76	C, CN
4-3	3600	DF100L	193303.60	√	919	C100T34FZ20	71	230/460	10.0	88.5	1.15	14.97	C, CN
	1800	DF100L	193304.60	√	936	C100T17FZ42	84	230/460	10.4	89.5	1.15	14.97	C, CN
	1200	DF132S	193305.60	√	1516	C132T11FZ58	154	230/460	13.4	89.5	1.15	18.72	C, CN
5 1/2-4	3600	DF112M	193306.60	√	1181	C112T34FZ24	104	230/460	13.6	89.5	1.15	15.76	C, CN
	1800	DF112M	193307.60	√	1138	C112T17FZ21	104	230/460	15.0	89.5	1.15	15.76	C, CN
	1200	DF132M	193308.60	√	1752	C132T11FZ59	176	230/460	17.6	89.5	1.15	20.29	C, CN
7 1/2-5.5	3600	DF132S	193309.60	√	1481	C132T34FZ45	152	230/460	18.4	89.5	1.15	18.72	C, CN
	1800	DF132S	193310.60	√	1481	C132T17FZ43	150	230/460	19.8	92.4	1.15	18.72	C, CN
	1200	DF132M	193311.60	√	2106	C132T11FZ60	180	230/460	22.0	91.0	1.15	20.29	C, CN
10-7.5	3600	DF132S	193312.60	√	1585	C132T34FZ46	163	230/460	24.0	90.2	1.15	18.72	C, CN
	1800	DF132M	193313.60	√	1757	C132T17FZ44	174	230/460	26.2	91.7	1.15	20.29	C, CN
	1200	DF160M	193314.60	√	2732	C160T11FZ39	251	230/460	27.2	92.1	1.15	23.64	C, CN
15-11	3600	DF160M	193315.60	√	2567	C160T34FZ59	260	230/460	34.4	91.0	1.15	23.64	C, CN
	1800	DF160M	193316.60	√	2567	C160T17FZ43	264	230/460	36.6	92.4	1.15	23.64	C, CN
	1200	DF160L	193317.60	√	3507	C160T11F240	330	230/460	38.8	91.7	1.15	25.39	C, CN
20-15	3600	DF160M	193318.60	√	3011	C160T34FZ60	269	230/460	47.0	91.0	1.15	23.64	C, CN
	1800	DF160L	193319.60	√	3175	C160T17F244	311	230/460	47.6	93.0	1.15	25.41	C, CN
	1200	DF180L	193320.60	√	4917	C180T11FZ20	385	230/460	51.4	92.4	1.15	27.97	C, CN
25-18.5	3600	DF160L	193321.60	√	3666	C160T34FZ61	319	230/460	57.2	91.7	1.15	25.41	C, CN
	1800	DF180M	193322.60	√	4034	C180T17FZ41	381	230/460	59.4	93.6	1.15	26.40	C, CN
	1200	DF200L	193323.60	√	6168	C200T11FZ39	517	230/460	64.0	93.5	1.15	30.54	C, CN
30-22	3600	DF180M	193324.60	√	4356	C180T34FZ19	355	230/460	68.8	91.7	1.15	26.40	C, CN
	1800	DF180L	193325.60	√	4535	C180T17FZ42	427	230/460	71.0	94.1	1.15	27.97	C, CN
	1200	DF200L	193326.60	√	6987	C200T11FZ40	467	230/460	76.0	93.8	1.15	30.54	C, CN
40-30	3600	DF200L	193327.60	√	6202	C200T34FZ37	522	230/460	94.0	92.4	1.15	30.54	C, CN
	1800	DF200L	193328.60	√	6677	C200T17FZ21	531	230/460	94.0	94.1	1.15	30.54	C, CN
	1200	DF225M	193329.60	√	10495	C225T11FZ21	633	230/460	100.0	94.1	1.15	33.29	C, CN
50-37	3600	DF200L	193330.60	√	8134	C200T34FZ38	546	230/460	117.0	94.1	1.15	30.54	C, CN
	1800	DF225S	193331.60	√	9262	C225T17FZ21	632	230/460	118.0	94.5	1.15	32.31	C, CN
	1200	DF250M	193332.60	√	14712	C250T11FZ19	655	230/460	120.0	94.1	1.15	36.61	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

AC Metric (IEC) Motors - B3 / B5 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 / B5 Flange - Rigid Base - IP55

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63D	192014.00	√	$295	C63T34FZ5	10	230/460	0.8	72.0	1.15	8.54	A, CN
	1800	D63D	192015.00	√	305	C63T17FZ3	11	230/460	1.0	68.0	1.15	8.54	A, CN
	1200	D71D	192016.00	√	522	C71T11FZ3	12	230/460	1.2	64.0	1.15	9.45	A, CN
1/3-0.25	3600	D63D	192024.00	√	340	C63T34FZ6	11	230/460	1.1	72.0	1.15	8.54	A, CN
	1800	D71D	192025.00	√	352	C71T17FZ5	13	230/460	1.4	68.0	1.15	9.45	A, CN
	1200	D80D	192026.00	√	563	C80T11FZ7	17	230/460	1.3	70.0	1.15	11.10	A, CN
1/2-0.37	3600	D71D	192034.00	√	351	C71T34FZ5	13	230/460	1.6	74.0	1.15	9.45	A, CN
	1800	D71D	192035.00	√	362	C71T17FZ6	14	230/460	1.8	74.0	1.15	9.45	A, CN
	1200	D80D	192036.00	√	583	C80T11FZ8	19	230/460	1.9	72.0	1.15	11.10	A, CN
3/4-0.55	3600	D71D	192044.00	√	370	C71T34FZ6	15	230/460	2.4	74.0	1.15	9.45	A, CN
	1800	D80D	192045.00	√	393	C80T17FZ5	18	230/460	2.5	74.0	1.15	11.10	A, CN
	1200	D80D	192046.00	√	619	C80T11FZ9	22	230/460	2.7	72.0	1.15	11.10	A, CN
1-0.75	3600	D80D	192054.00	√	408	C80T34FZ5	21	230/460	2.8	75.5	1.15	11.10	A, CN
	1800	D80D	192055.00	√	427	C80T17FZ6	26	230/460	3.2	80.0	1.15	11.10	A, CN
	1200	D90SD	192201.00	√	750	C90T11FZ14	35	230/460	3.3	82.5	1.15	12.60	A, CN
1 1/2-1.1	3600	D80D	192064.00	√	463	C80T34FZ6	30	230/460	4.0	84.0	1.15	11.10	A, CN
	1800	D90SD	192203.00	√	543	C90T17FZ14	37	230/460	4.6	88.5	1.15	12.60	A, CN
2-1.5	3600	D90SD	192210.00	√	592	C90T34FZ15	33	230/460	5.2	85.5	1.15	12.60	A, CN
	1800	D90LD	192206.00	√	609	C90T17FZ17	38	230/460	5.8	87.5	1.15	12.60	A, CN
	1200	DF100LD	193333.60	√	1022	C100T11F221	82	230/460	6.4	88.5	1.15	14.96	C, CN
3-2.2	3600	D90LD	192211.00	√	838	C90T34FZ16	39	230/460	7.2	87.5	1.15	12.60	A, CN
	1800	DF100LD	193334.60	√	991	C100T17FZ43	84	230/460	8.2	89.5	1.15	14.96	C, CN
	1200	DF112MD	193335.60	√	1399	C112T11FZ22	100	230/460	9.6	89.5	1.15	15.75	C, CN
4-3	3600	DF100LD	193336.60	√	1051	C100T34FZ21	71	230/460	10.0	88.5	1.15	14.96	C, CN
	1800	DF100LD	193337.60	√	1066	C100T17FZ44	84	230/460	10.4	89.5	1.15	14.96	C, CN
	1200	DF132SD	193338.60	√	1710	C132T11FZ61	154	230/460	13.4	89.5	1.15	18.70	C, CN
5 1/2-4	3600	DF112MD	193339.60	√	1323	C112T34FZ25	104	230/460	13.6	88.5	1.15	15.75	C, CN
	1800	DF112MD	193340.60	√	1281	C112T17FZ22	104	230/460	15.0	89.5	1.15	15.75	C, CN
	1200	DF132MD	193341.60	√	1949	C132T11FZ62	176	230/460	17.6	89.5	1.15	20.28	C, CN
7 1/2-5.5	3600	DF132SD	193342.60	√	1671	C132T34F247	152	230/460	18.4	89.5	1.15	18.70	C, CN
	1800	DF132SD	193343.60	√	1671	C132T17FZ45	150	230/460	19.8	91.7	1.15	18.70	C, CN
	1200	DF132MD	193344.60	√	2305	C132T11FZ63	180	230/460	22.0	91.0	1.15	20.28	C, CN
10-7.5	3600	DF132SD	193345.60	√	1784	C132T34FZ48	163	230/460	24.0	90.2	1.15	18.70	C, CN
	1800	DF132MD	193346.60	√	1955	C132T17FZ46	174	230/460	26.2	91.7	1.15	20.28	C, CN
	1200	DF160MD	193347.60	√	3105	C160T11FZ41	251	230/460	27.2	91.0	1.15	23.62	C, CN
15-11	3600	DF160MD	193348.60	√	2942	C160T34FZ62	260	230/460	34.4	91.0	1.15	23.62	C, CN
	1800	DF160MD	193349.60	√	2942	C160T17FZ45	264	230/460	36.6	92.4	1.15	23.62	C, CN
	1200	DF160LD	193350.60	√	3882	C160T11FZ42	330	230/460	38.8	91.7	1.15	25.39	C, CN
20-15	3600	DF160MD	193351.60	√	3173	C160T34FZ63	269	230/460	47.0	91.0	1.15	23.62	C, CN
	1800	DF160LD	193352.60	√	3347	C160L17FZ46	311	230/460	47.6	93.0	1.15	25.39	C, CN
	1200	DF180LD	193353.60	√	5090	C180T11FZ21	385	230/460	51.4	91.7	1.15	27.95	C, CN
25-18.5	3600	DF160LD	193354.60	√	3815	C160T34FZ64	319	230/460	57.2	91.7	1.15	25.39	C, CN
	1800	DF180MD	193355.60	√	4260	C180T17FZ43	381	230/460	59.4	93.6	1.15	26.38	C, CN
30-22	3600	DF180MD	193356.60	√	4561	C180T34FZ20	355	230/460	68.0	93.0	1.15	26.38	C, CN
	1800	DF180LD	193357.60	√	4732	C180T17FZ44	427	230/460	71.0	94.1	1.15	27.95	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

Note: Aluminum motors have removable feet for round-body applications.

Larger HP B3 Foot-Mounted metric motors on page 266 can be converted to B3/B5 Flange-Mount by installing B5 Flange Kits.

Specifications are subject to change without notice

View On-line Technical Information

IEC Metric Motors

AC Metric (IEC) Motors - B3 / B14 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 / B14 Flange - Rigid Base - IP55

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63C	192017.00	√	289	C63T34FZ3	10	230/460	0.8	72.0	1.15	8.55	A, CN
	1800	D63C	192018.00	√	300	C63T17FZ2	11	230/460	1.0	68.0	1.15	8.55	A, CN
	1200	D71C	192019.00	√	522	C71T11FZ2	12	230/460	1.2	64.0	1.15	9.46	A, CN
1/3-0.25	3600	D63C	192027.00	√	338	C63T34FZ4	11	230/460	1.1	72.0	1.15	8.55	A, CN
	1800	D71C	192028.00	√	341	C71T17FZ3	13	230/460	1.4	68.0	1.15	9.46	A, CN
	1200	D80C	192029.00	√	563	C80T11FZ4	17	230/460	1.3	70.0	1.15	11.11	A, CN
1/2-0.37	3600	D71C	192037.00	√	342	C71T34FZ3	13	230/460	1.6	74.0	1.15	9.46	A, CN
	1800	D71C	192038.00	√	356	C71T17FZ4	14	230/460	1.8	74.0	1.15	9.46	A, CN
	1200	D80C	192039.00	√	583	C80T11FZ5	19	230/460	1.9	72.0	1.15	11.11	A, CN
3/4-0.55	3600	D71C	192047.00	√	362	C71T34FZ4	15	230/460	2.4	74.0	1.15	9.46	A, CN
	1800	D80C	192048.00	√	388	C80T17FZ3	18	230/460	2.5	74.0	1.15	11.11	A, CN
	1200	D80C	192049.00	√	619	C80T11FZ6	22	230/460	2.7	72.0	1.15	11.11	A, CN
1-0.75	3600	D80C	192057.00	√	397	C80T34FZ3	21	230/460	2.8	75.5	1.15	11.11	A, CN
	1800	D80C	192058.00	√	416	C80T17FZ4	26	230/460	3.2	80.0	1.15	11.11	A, CN
	1200	D90SC	192212.00	√	750	C80T11FZ15	35	230/460	3.3	82.5	1.15	12.60	A, CN
1 1/2-1.1	3600	D80C	192067.00	√	453	C80T34FZ4	27	230/460	4.0	84.0	1.15	11.11	A, CN
	1800	D90SC	192204.00	√	532	C90T17FZ15	37	230/460	4.6	86.5	1.15	12.61	A, CN
2-1.5	3600	D90SC	192213.00	√	579	C90T34FZ17	33	230/460	5.2	85.5	1.15	12.61	A, CN
	1800	D90LC	192207.00	√	592	C90T17FZ18	38	230/460	5.8	87.5	1.15	12.61	A, CN
	1200	DF100LC	193358.60	√	1022	C100T11FZ22	82	230/460	6.4	88.5	1.15	14.97	C, CN
3-2.2	3600	D90LC	192214.00	√	838	C90T34FZ18	39	230/460	7.2	87.5	1.15	12.61	A, CN
	1800	DF100LC	193359.60	√	991	C100T17FZ45	84	230/460	8.2	90.2	1.15	14.97	C, CN
	1200	DF112MC	193360.60	√	1399	C112T11FZ23	84	230/460	9.6	89.5	1.15	15.76	C, CN
4-3	3600	DF100LC	193361.60	√	1051	C100T34FZ22	71	230/460	10.0	88.5	1.15	14.97	C, CN
	1800	DF100LC	193362.60	√	1066	C100T17FZ46	84	230/460	10.4	89.5	1.15	14.97	C, CN
	1200	DF132SC	193363.60	√	1710	C132T11FZ64	154	230/460	13.4	89.5	1.15	18.72	C, CN
5 1/2-4	3600	DF112MC	193364.60	√	1323	C112T34FZ26	104	230/460	13.6	88.5	1.15	15.76	C, CN
	1800	DF112MC	193365.60	√	1281	C112T17FZ23	104	230/460	15.0	89.5	1.15	15.76	C, CN
	1200	DF132MC	193366.60	√	1949	C132T11FZ65	176	230/460	17.6	89.5	1.15	20.29	C, CN
7 1/2-5.5	3600	DF132SC	193367.60	√	1671	C132T34F249	152	230/460	18.4	89.5	1.15	18.72	C, CN
	1800	DF132SC	193368.60	√	1671	C132T17FZ47	150	230/460	19.8	91.7	1.15	18.72	C, CN
	1200	DF132MC	193369.60	√	2305	C132T11FZ66	180	230/460	22.0	91.0	1.15	20.29	C, CN
10-7.5	3600	DF132SC	193370.60	√	1784	C132T34FZ50	163	230/460	24.0	90.2	1.15	18.72	C, CN
	1800	DF132MC	193371.60	√	1955	C132T17FZ48	174	230/460	26.2	91.7	1.15	20.29	C, CN
	1200	DF160MC	193372.60	√	3105	C160T11FZ43	251	230/460	27.2	92.1	1.15	23.64	C, CN
15-11	3600	DF160MC	193373.60	√	2942	C160T34FZ65	260	230/460	34.4	91.0	1.15	23.64	C, CN
	1800	DF160MC	193374.60	√	2942	C160T17FZ47	264	230/460	36.6	92.4	1.15	23.64	C, CN
	1200	DF160LC	193375.60	√	3882	C160T11FZ44	330	230/460	38.8	91.7	1.15	25.41	C, CN
20-15	3600	DF160MC	193376.60	√	3363	C160T34FZ66	269	230/460	47.0	91.0	1.15	23.64	C, CN
	1800	DF160LC	193377.60	√	3548	C160T17FZ48	311	230/460	47.6	93.0	1.15	25.41	C, CN
25-18.5	3600	DF160LC	193378.60	√	4043	C160T34FZ67	319	230/460	57.2	91.7	1.15	25.41	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

Note: Aluminum motors have removable feet for round-body applications.

Larger HP B3 Foot-Mounted metric motors on page 148 can be converted to B3/B5 Flange-Mount by installing B5 Flange Kits.

Specifications are subject to change without notice

View On-line Technical Information

LEESON

IEC Metric Motors

575 Volt Metric Motors

AC Metric (IEC) Motors - B3 Flange - Three Phase - Rigid Base

Three Phase - TEFC - B3 Flange - Rigid Base - IP55

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/4-0.18	3600	D63	192088.00	√	257	C63T34FZ7	10	575	0.3	72.0	1.15	8.54	A, CN
	1800	D63	192089.00	√	267	C63T17FZ4	11	575	0.4	68.0	1.15	8.54	A, CN
1/3-0.25	3600	D63	192097.00	√	300	C63T34FZ10	11	575	0.4	74.0	1.15	8.54	A, CN
	1800	D71	192098.00	√	312	C71T17FZ7	13	575	0.6	67.0	1.15	9.45	A, CN
1/2-0.37	3600	D71	192106.00	√	321	C71T34FZ7	13	575	0.7	74.0	1.15	9.45	A, CN
	1800	D71	192107.00	√	325	C71T17FZ10	14	575	0.7	74.0	1.15	9.45	A, CN
3/4-0.56	3600	D71	192115.00	√	335	C71T34FZ10	15	575	0.9	74.0	1.15	9.45	A, CN
	1800	D80	192116.00	√	353	C80T17FZ7	18	575	1.0	73.0	1.15	11.10	A, CN
1-0.75	3600	D80	192124.00	√	379	C80T34FZ7	21	575	1.1	75.5	1.15	11.10	A, CN
	1800	D80	192125.00	√	387	C80T17FZ10	26	575	1.4	82.5	1.15	11.10	A, CN
1 1/2-1.1	3600	D80	192133.00	√	420	C80T34FZ10	27	575	1.6	82.5	1.15	11.10	A, CN
	1800	D90S	192230.00	√	430	C90T17FZ19	37	575	1.8	86.5	1.15	13.10	A, CN
2-1.5	3600	D90S	192231.00	√	448	C90T34FZ19	33	575	2.1	86.5	1.15	13.10	A, CN
	1800	D90L	192232.00	√	463	C90T17FZ20	38	575	2.4	85.5	1.15	13.10	A, CN
3-2.2	3600	D90L	192233.00	√	645	C90T34FZ20	39	575	2.9	86.5	1.15	13.10	A, CN
	1800	DF100L	193379.60	√	862	C100T17FZ47	84	575	3.5	89.5	1.15	14.96	C, CN
4-3	3600	DF100L	193380.60	√	919	C100T34FZ23	71	575	4.0	88.5	1.15	14.96	C, CN
	1800	DF100L	193381.60	√	936	C100T17FZ48	84	575	4.2	89.5	1.15	14.96	C, CN
5 1/2-4	3600	DF112M	193382.60	√	1181	C112T34FZ27	104	575	5.0	88.5	1.15	15.75	C, CN
	1800	DF112M	193383.60	√	1138	C112T17FZ24	104	575	5.4	89.5	1.15	15.75	C, CN
7 1/2-5.5	3600	DF132S	193384.60	√	1481	C132T34FZ51	152	575	7.2	89.5	1.15	18.70	C, CN
	1800	DF132S	193385.60	√	1481	C132T17FZ49	150	575	7.9	91.7	1.15	18.70	C, CN
10-7.5	3600	DF132S	193386.60	√	1585	C132T34FZ52	163	575	9.6	90.2	1.15	18.70	C, CN
	1800	DF132M	193387.60	√	1757	C132T17FZ50	174	575	10.5	91.7	1.15	20.28	C, CN
15-11	3600	DF160M	193388.60	√	2567	C160T34FZ68	260	575	13.8	91.0	1.15	23.62	C, CN
	1800	DF160M	193389.60	√	2567	C160T17FZ49	264	575	14.6	92.4	1.15	23.62	C, CN
20-15	3600	DF160M	193390.60	√	3011	C160T34FZ69	269	575	18.8	91.0	1.15	23.62	C, CN
	1800	DF160L	193391.60	√	3175	C160T17FZ50	311	575	19.0	93.0	1.15	25.39	C, CN
25-18.5	3600	DF160L	193392.60	√	3666	C160T34FZ70	319	575	22.9	91.7	1.15	25.39	C, CN
	1800	DF180M	193393.60	√	4034	C180T17FZ45	381	575	23.8	93.6	1.15	26.38	C, CN
30-22	3600	DF180M	193394.60	√	4356	C180T34FZ21	355	575	27.5	91.7	1.15	26.38	C, CN
	1800	DF180L	193395.60	√	4535	C180T17FZ46	427	575	28.4	93.6	1.15	27.95	C, CN
40-30	3600	DF200L	193396.60	√	6202	C200T34FZ39	522	575	38.4	92.4	1.15	30.51	C, CN
	1800	DF200L	193397.60	√	6677	C200T17FZ22	531	575	37.6	94.7	1.15	30.51	C, CN
50-37	3600	DF200L	193398.60	√	8134	C200T34FZ40	546	575	46.8	93.0	1.15	30.51	C, CN
	1800	DF225S	193399.60	√	9262	C225T17FZ22	632	575	47.2	94.5	1.15	33.26	C, CN

Green items are Premium Efficient

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

IEC Metric Motors

Metric Motor Kits - B5 & B14 Flanges

Specifications:

- Includes parts to convert B3 rigid motors to either a B5 or B14 flange.

Three Phase - TEFC - B3 / B14 Flange - Rigid Base - IP55

RPM	IEC Frame	B5 Flange Kit	Stock	List Price	B14 Flange Kit	Stock	List Price
3600	63	175850.00		69	175851.00		64
1800	63	175850.00		69	175851.00		64
1200	63	175850.00		69	175851.00		64
3600	71	175852.00		82	175853.00		69
1800	71	175852.00		82	175853.00		69
1200	71	175852.00		82	175853.00		69
3600	80	175854.00		90	175855.00		79
1800	80	175854.00		90	175855.00		79
1200	80	175854.00		90	175855.00		79
3600	90	175856.00		93	175857.00		87
1800	90	175856.00		93	175857.00		87
1200	90	175856.00		93	175857.00		87
3600	100	175810.60		133	175817.60		122
1800	100	175810.60		133	175817.60		122
1200	100	175810.60		133	175817.60		122
3600	112	175811.60		142	175818.60		133
3600	112	175827.60Δ		142	175832.60Δ		133
1800	112	175811.60		142	175818.60		133
1800	112	175827.60Δ		142	175832.60Δ		133
1200	112	175810.60		133	175817.60		122
3600	132	175812.60		189	175819.60		179
3600	132	175828.60Δ		189	175833.60Δ		179
1800	132	175812.60		189	175819.60		179
1200	132	175812.60		189	175819.60		179
3600	160	175990.60		356	175991.60		343
3600	160	175829.60Δ		356	175834.60Δ		343
1800	160	175990.60		356	175991.60		343
1200	160	175990.60		356	175991.60		343
3600	180	175890.60		443			
3600	180	175830.60Δ		443			
1800	180	175890.60		443			
1200	180	175890.60		443			
3600	200	175994.60		577			
3600	200	175831.60Δ		577			
1800	200	175994.60		577			
1200	200	175994.60		577			
3600	225	175995.60		738			
1800	225	175995.60		738			
1200	225	175995.60		738			
1200	250	175619.60		738			

Δ For IEC motors built after June 2011

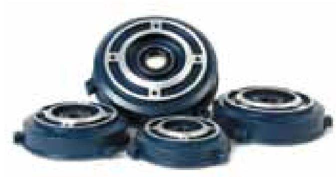
Includes parts to convert a B3 rigid mount motor to either a B5 or B14 Flange

Specifications are subject to change without notice

Reduced Diameter Metric Flanges

Specifications:

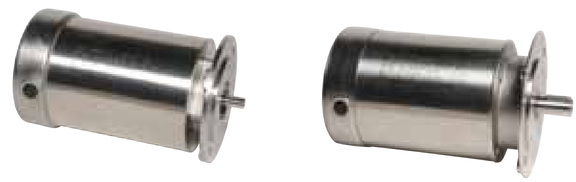
Used to convert a Metric motor to have a reduced B14 flange mount. Example, you can change an 80 frame IEC motor to have a 71 frame B14 flange. Comes complete with necessary hardware and oil seals for easy field mounting



IEC Motor Frame	B14 Flange Frame	Catalog Number	List Price
63	56	175900.00	59
71	63	175901.00	66
80	71	175902.00	76
90	80	175903.00	79

IEC Metric Motors

IEC Washguard All-Stainless AC Motors



IEC B5 Flange - Round Body

Three Phase - Totally Enclosed - B5 Flange Less Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	103403.00	√	1331	CZ4T17VZ16	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
	1800	80	103405.00	√	1331	CZ4T17VZ17	30	208-230/460	1.3	70.5	1.15	9.87	S, US, 12
1/2-0.37	1800	71	103404.00	√	1377	CZ4T17VZ6	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
	1800	80	103406.00	√	1377	CZ4T17VZ7	32	208-230/460	1.6	76.0	1.15	11.62	S, US, 12
3/4-0.55	1800	80	103407.00	√	1459	CZ4T17WZ9	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13
1- 0.75	1800	90	117516.00	√	1551	CZ6T17WC44	45	208-230/460	3.1	82.5	1.15	13.13	S, US, 13
1.5 - 1.1	1800	90	117517.00	√	1636	CZ6T17WC46	49	208-230/460	4.4	84.0	1.15	13.63	S, US, 13
2 - 1.5	1800	90	117518.00	√	1817	CZ6T17WC45	49	208-230/460	5.6	84.0	1.15	13.63	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B14 Flange - Round Body

Three Phase - Totally Enclosed - B14 Flange Less Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	71	103395.00	√	1331	CZ4T17VZ13	30	208-230/460	1.3	70.5	1.15	9.83	S, US, 12
	1800	80	103397.00	√	1331	CZ4T17VZ14	30	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	71	103396.00	√	1377	CZ4T17VZ3	32	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
	1800	80	103398.00	√	1377	CZ4T17VZ4	32	208-230/460	1.6	76.0	1.15	11.582	S, US, 12
3/4-0.55	1800	80	103399.00	√	1459	CZ4T17WZ7	38	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B5 Flange - Rigid Base

Three Phase - Totally Enclosed - B5 Flange With Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	103408.00	√	1353	CZ4T17VZ18	30	208-230/460	1.3	70.5	1.15	9.5	S, US, 12
1/2-0.37	1800	80	103409.00	√	1396	CZ4T17VZ8	32	208-230/460	1.6	76.0	1.15	12.75	S, US, 12
3/4-0.55	1800	80	103410.00	√	1488	CZ4T17WZ10	38	208-230/460	2.3	77.0	1.15	12.26	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

IEC B14 Flange - Rigid Base

Three Phase - Totally Enclosed - B14 Flange With Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	F. L. Amps @ 230 V	% F. L. Eff.	Service Factor	"C" Dim. (Inches)	♥Notes
1/3-0.25	1800	80	103400.00	√	1377	CZ4T17VZ15	31	208-230/460	1.3	70.5	1.15	9.72	S, US, 12
1/2-0.37	1800	80	103401.00	√	1521	CZ4T17VZ5	33	208-230/460	1.6	76.0	1.15	11.58	S, US, 12
3/4-0.55	1800	80	103402.00	√	1575	CZ4T17WZ8	39	208-230/460	2.3	77.0	1.15	12.48	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Metric (IEC) Frame PMDC - Stainless Steel Motors

TEFC - SCR Rated 90 & 180V - C-Face With Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Control Volts AC Input	% F. L. Eff.	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109068.00	√	1374	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109071.00	√	1605	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109074.00	√	1954	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109077.00	√	2267	4D17WK18	50	180	230	5	16.37	S, US, 13

Base is welded to frame and not removable.
Specifications are subject to change without notice

♥ Note listing on inside back flap

90 & 180 Volt - TEFC - C Face Less Base

HP/ kW	SYN RPM 60 Hz	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Voltage	Control Volts AC Input	% F. L. Eff.	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109081.00	√	1343	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109084.00	√	1575	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109087.00	√	1924	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109090.00	√	2238	4D17WC10	50	180	230	5	16.37	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Flange And Face Kits for Stainless Steel DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175593.00	173	2	110	9	130	160
80	175594.00	208	3	130	12	165	200
90S/90L	175594.00	208	3	130	12	165	200
100L/112M	175595.00	325	5	180	15	215	250

Specifications are subject to change without notice

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175596.00	131	1	70	6	85	105
80	175597.00	131	1	80	6	100	120
90S/90L	175598.00	358	1	95	6	115	140
100L/112M	175599.00	325	2	110	6	130	160

Specifications are subject to change without notice

IEC Metric Motors

DC Metric Motors

Metric (IEC) Frame - SCR Rated - IP54

Application Notes:

Please note that one or more of the mounting kits must be used with IEC motors of these frame sizes. See listing on next page for B5 flange and B14 face kits. B3 rigid base kits are listed below.

General Specifications:

- Built to IEC 34-1 Electrical and Mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 and 80 frames only

Features:

- Cast aluminum conduit box
- Terminal board provided for connections
- All Metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with Steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 and 80 frames only

180 Volts - Totally Enclosed - B5 Flange

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches/mm)	♥Notes
0.06/1/12	1750	56	M1130146.00	C/A	435	CIM34D18ND1	8	180	230	0.5	6.24 (158.6)	S, US, 12
0.09/1/8	3000	56	M1130150.00	√	435	CIM34D30ND1	9	180	230	0.7	6.74 (171.3)	S, US, 12
	1750	56	M1130147.00	√	466	CIM34D18ND2	10	180	230	0.7	7.55 (191.7)	S, US, 12
0.12/1/6	3000	56	M1130151.00	√	450	CIM34D30ND2	9	180	230	0.9	7.55 (191.7)	S, US, 12
	1750	63	M1130148.00	√	533	CIM34D18FD1	7	180	230	0.9	8.30 (210.8)	S, US, 13
0.18/1/4	3000	63	M1130152.00	√	492	CIM34D30ND3	11	180	230	1.3	8.78 (223.1)	S, US, 12
	1750	63	M1130149.00	√	572	CIM34D18FD2	13	180	230	1.3	9.50 (241.3)	S, US, 13
0.25/1/3	3000	63	M1130153.00	√	546	CIM34D30FD1	11	180	230	1.7	9.50 (241.3)	S, US, 13

These motors have accommodations for B3 base mountings with the kits below.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

DC Metric Motors

Metric (IEC) Frame - SCR Rated - IP54

180 volts - Totally Enclosed - B14 Flange

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches/mm)	♥Notes
0.06/1/12	3000	56	M1110024.00	√	388	980.542	6	180	230	0.4	6.34 (177.0)	S, US, 12
	1750	56	M1130136.00	√	435	CIM34D18NC5	8	180	230	0.5	6.24 (158.6)	S, US, 12
0.09/1/8	3000	56	M1130140.00	√	435	CIM34D30NC1	9	180	230	0.7	6.74 (171.3)	S, US, 12
	1750	56	M1130137.00	C/A	466	CIM34D18NC6	14	180	230	0.7	7.55 (191.7)	S, US, 12
0.12/1/6	3000	56	M1130141.00	√	450	CIM34D30NC2	10	180	230	0.9	7.55 (191.7)	S, US, 12
	1750	63	M1130138.00	√	533	CIM34D18FC1	8	180	230	0.9	8.30 (210.8)	S, US, 13
0.18/1/4	3000	63	M1130142.00	√	492	CIM34D30NC3	10	180	230	1.3	8.78 (223.1)	S, US, 12
	1750	63	M1130139.00	√	572	CIM34D18FC2	10	180	230	1.3	9.50 (241.3)	S, US, 13
0.25/1/3	3000	63	M1130143.00	√	546	CIM34D30FC1	10	180	230	1.7	9.50 (241.3)	S, US, 13

Except for M1110024, these motors have accommodations for B3 base mountings with the kits below.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

TEFC - SCR Rated 180 Volts - Round Body

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches/mm)	♥Notes
0.25/1/3	1750	71	098014.00	√	569	42D17FT1	23	180	230	1.7	11.28 (286.5)	S, US
0.37/1/2	3000	71	098016.00	√	608	42D34FT1	21	180	230	2.5	10.78 (273.8)	S, US
	1750	71	098015.00	√	646	42D17FT2	26	180	230	2.5	11.78 (299.2)	S, US
0.55/3/4	3000	71	098017.00	√	699	42D34FT2	24	180	230	3.6	11.78 (299.2)	S, US
	1750	80	108369.00	√	799	4D17FT1	34	180	230	3.5	14.64 (371.9)	S, US
0.75/1	3000	80	108372.00	√	799	4D34FT1	45	180	230	4.9	14.64 (371.9)	S, US
	1750	80	108370.00	√	987	4D17FT2	48	180	230	4.6	17.14 (435.4)	S, US
1.1/11/2	3000	80	108373.00	√	884	4D34FT2	47	180	230	7.1	16.14 (410.0)	S, US
	1750	80	108371.00	√	1303	4D17FT3	52	180	230	7.0	17.14 (435.4)	S, US
	1750	90L	118007.00	√	1941	CI6D17FT1	64	180	230	7.5	18.97 (481.8)	S, US
1.5/2	3000	90L	118009.00	√	1941	CI6D34FT1	72	180	230	10.0	18.47 (469.1)	S, US
	1750	90L	118008.00	√	2328	CI6D17FT2	84	180	230	9.5	20.47 (519.9)	S, US
2.2/3	3000	90L	118010.00	√	2328	CI6D34FT2	82	180	230	16.0	19.47 (494.5)	S, US
	1750	112M	118014.00	√	3250	CI6D17FK1	90	180	230	14.0	21.79 (553.5)	S, US

IMPORTANT: These round body motors require either a B3 rigid base, B14 face or B5 flange kit. Catalog number 118014 comes complete with IEC 112 B14 face and B3 foot; shaft diameter is 24mm.

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

IEC Metric Motors

Metric (IEC) Frame - SCR Rated

(For DC Metric Motors Only)
All motors are stocked with provisions to accommodate B3 foot mountings with the packages noted below.

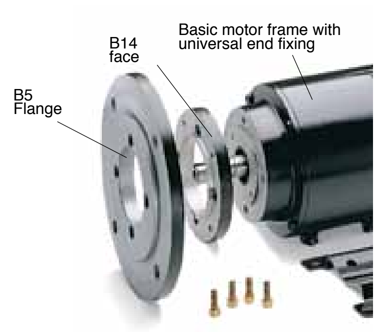
B3 Foot Mounting Kits

IEC Frame	Catalog Number	List Price
56	175142.00	63
63	175143.00	63
71	175144.00	69
80	175145.00	75
80	175784.00†	75
90	175146.00	48

† For endshield mounted brush cover motors

Flange Kits

Flange and Face Kits for DC Metric (IEC) Frame Motors
An advantage of LEESON'S modular design concept is the possible use of a different diameter B5 flange or B14 face than is normally assigned to a motor by IEC dimensional standards. This flexibility makes it possible to accommodate a wide variety of gear reducers, pumps and similar close coupled motor mounted loads.



B5 Flange Kits (For DC Metric Motors Only)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175106.00	77	2	110	9	130	160
80	175108.00	77	3	130	12	165	200
90S/90L	175108.00	77	3	130	12	165	200
100L/112M	175137.00	188	5	180	15	215	250

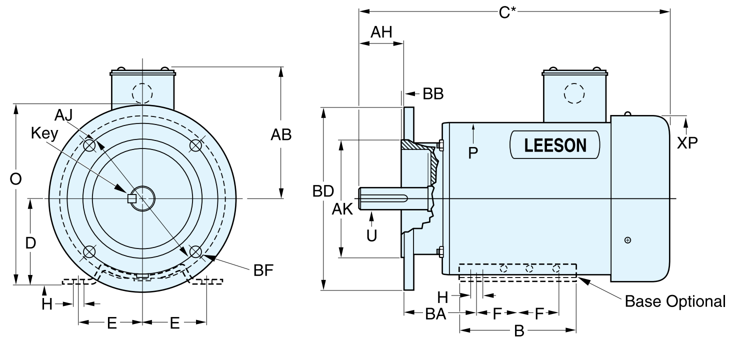
Specifications are subject to change without notice


B5 B14

B14 Face Kits (For DC Metric Motors Only)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175107.00	77	1	70	6	85	105
80	175109.00	77	1	80	6	100	120
90S/90L	175129.00	77	1	95	6	115	140
100L/112M	175130.00	188	2	110	6	130	160

Specifications are subject to change without notice



*For overall length, see motor listing.

IEC Frame Dimensions (Millimeters)

IEC Frame	Mounting					Shaft						B14 Face/B5 Flange					General			
	2E	2F	BA	D	H	U	AH✧	KEY	S	R	TAP	AJ	AK	BD	BF	BB	AB	XP	B	O
56	90	71	36	56	6	9	20	15	3	7.0	M3	65 / 100	50 / 80	80 / 120	M5 / 7	2.5 / 2.5	83	96	90	99
63	100	80	40	63	7	11	23	19	4	9.0	M4	75 / 115	60 / 95	90 / 140	M5 / 9	2.5 / 3.0	116	96	96	108
71	112	90	45	71	7	14	30	26	5	11.5	M5	85 / 130	70 / 110	105 / 160	M6 / 9	2.5 / 3.5	114	130	105	132
80	125	100	50	80	10	19	40	33	6	16.0	M6	100 / 165	80 / 130	120 / 200	M6 / 12	3.0 / 3.5	124	149	127	151
90S	140	100	56	90	10	24	50	36	8	20.5	M8	115 / 165	95 / 130	140 / 200	M8 / 12	3.0 / 3.5	135	182	152	173
90L	140	125	56	90	10	24	50	36	8	20.5	M8	115 / 165	95 / 130	140 / 200	M8 / 12	3.0 / 3.5	135	182	152	173
100L	160	140	63	100	12	28	60	41	8	24.5	M10	130 / 215	110 / 180	160 / 250	M8 / 15	3.5 / 4.0	135	182	176	173
112M	190	140	70	112	12	28	60	41	8	24.5	M10	130 / 215	110 / 180	160 / 250	M8 / 15	3.5 / 4.0	162	231	176	225

✧ Without face or flange AH shaft dimension is 12mm longer.

Specifications are subject to change without notice

IEC Metric Motors

DC Metric Motors

Low Voltage - DC Metric - IP 54

General Specifications:

- Built to IEC 34-1 Electrical and Mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 and 80 frames only

Features:

- Cast aluminum conduit box
- Terminal board provided for connections
- All Metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with Steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 and 80 frames only

24 Volt - TEFC/TENV - Modular Design

kW/HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	"C" Dim. (Inches/mm)	♥Notes
0.06/1/12	3000	56	M1110025.00›	√	354	980.543	5	24	3.3	5.34	S, US, 12
	1750	56	M1110026.00›	√	400	980.544	6	24	3.4	6.34	S, US, 12
0.18/1/4	3000	63	M1130206.00”	√	451	CIM34D30FD2	13	24	11.0	7.75	S, US
	3000	63	M1130296.00›	√	451	CIM34D30FC7	9	24	11.0	7.75	S, US
	1750	63	M1130207.00*	√	517	CIM34D18FD6	13	24	10.0	8.75	S, US
	1750	63	M1130297.00›	√	517	CIM34D18FC10	9	24	10.0	8.75	S, US
	1750	71	098065.00	√	619	42D17FT6	19	24	11.0	10.77	S, US
0.37/1/2	3000	71	098066.00	√	640	42D34FT7	23	24	20.0	11.27	S, US
	1750	71	098067.00	√	677	42D17FT7	23	24	20.0	12.27	S, US
0.75/1	3000	80	108456.00	√	744	4D34FT5	33	24	40.0	14.14	S, US, 57
	1750	80	108455.00	√	870	4D17FT6	52	24	39.0	14.64	S, US, 57
1.1/11/2	3000	80	108457.00	√	826	4D34FT6	33	24	65.0	15.64	S, US, 57
1.5/2	3000	80	108458.00	√	950	4D34FT7	43	24	78.0	17.14	S, US, 57

IMPORTANT: IEC 71 and 80 frame motors in this chart are round body and require either B14 face, B5 flange or B3 foot from kits shown on page 290.
› Dedicated B5 Flange
* Dedicated B14 Face

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

DC Metric Motors

Low Voltage Commercial Duty Metric (IEC) Frame Motors

Features:

- Specially designed low voltage DC for use in OEM applications
- Combination of features and low cost make these ideal for many uses
- IP44(TENV) enclosure
- Dedicated B14 face mount
- Rated S1 for continuous duty
- Zinc plated steel frame construction

12, 24 & 90 Volt - TENV - B14 Mount

HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	♥Notes
1/15	3000	56	980.159	C/A	180	980.159	2.3	12	6.4	S, US
	3000	56	980.143	C/A	180	980.143	2.3	24	3.2	S, US
	3000	56	980.549	C/A	173	980.549	2.3	90	0.8	S, US
1/8	3000	56	970.600	√	208	970.600	3.0	12	12.0	S, US
	3000	56	970.601	C/A	208	970.601	3.0	24	5.3	S, US
	3000	56	970.576	C/A	208	970.576	3.0	90	1.2	S, US
1/6	3000	56	970.620	√	226	970.620	3.5	12	13.1	S, US
	3000	56	970.621	C/A	226	970.621	3.5	24	6.8	S, US
	3000	56	970.577	C/A	214	970.577	3.5	90	1.6	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

DC Motors

- NEMA DC, explosion proof, SUB-FHP, washdown, IEC and low voltage motors available
- Permanent magnet designs
- PWM or SCR rated and low voltage input voltage designs
- Removable bolt-on base
- Oversized brushes for long brush life
- Easy access to brushes
- Constant torque throughout speed range
- DC Controls available to change the speed of the motors

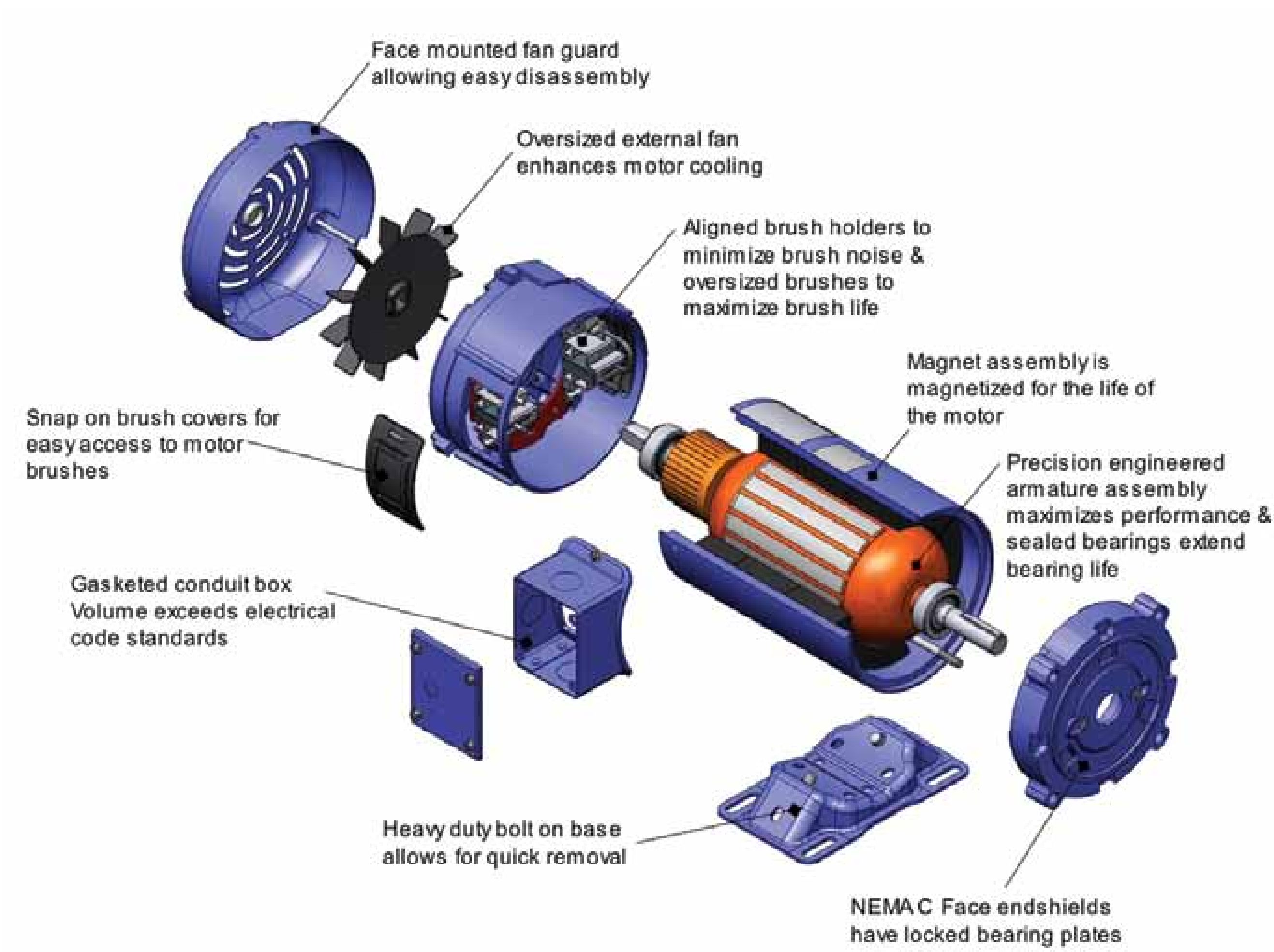
Applications:

DC motors are typically used is applications requiring motor speed adjustment, constant torque throughout the speed range and reversing capabilities. Applications would include: pumps, conveyors, turntables, textile machinery, treadmills, reeling equipment, sports equipment and medical equipment.

LEESON

Mechanical/ Electrical Features:

- Brush holder design provides easy access to brushes
- Large oversized brushes assure long brush life
- Removable bolt-on base
- NEMA C face designs
- 115 or 230 volt input power ratings – 90 / 180 volt output
- Capable of dynamic braking
- PWM or SCR type controller rated
- High starting torque
- Permanently lubricated sealed bearings
- LEESON SCR controls available to power motors
- High starting torque
- Higher HP and speed achievable using PWM type DC controls
- UL and CSA Listed
- Meets NEMA MG1 standards
- Dynamically balanced armatures
- 30:1 constant torque operation



DC Motors

NEMA Frame - SCR Rated

TEFC - SCR Rated 90 & 180 Volts
NEMA 56C - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	SS56C	098002.00	√	609	42D17FK2	19	90	115	2.5	10.81	S, US
	1750	SS56C	098003.00	√	609	42D17FK3	22	180	230	1.4	11.31	S, US
1/3	1750	SS56C	098004.00	√	646	42D17FK4	23	90	115	3.5	11.31	S, US
	1750	SS56C	098005.00	√	646	42D17FK5	23	180	230	1.7	11.31	S, US
	1140	S56C	109098.00	C/A	793	4D11FK5	32	90	115	3.5	12.81	S, US
1/2	2500	SS56C	098006.00	√	646	42D28FK1	22	90	115	5.0	10.81	S, US
	2500	SS56C	098007.00	√	646	42D28FK2	22	180	230	2.5	10.81	S, US
	1750	SS56C	098000.00	√	718	42D17FK1	26	90	115	5.0	11.81	S, US
	1750	S56C	108014.00	√	754	4D17FK1	29	90	115	5.0	12.82	S, US
	1750	SS56C	098008.00	√	718	42D17FK6	25	180	230	2.5	11.81	S, US
	1750	S56C	108015.00	√	754	4D17FK2	30	180	230	2.5	12.82	S, US
	1140	S56C	109099.00	√	832	4D11FK6	40	90	115	5.0	14.32	S, US
3/4	2500	SS56C	098009.00	√	773	42D28FK3	26	90	115	7.6	11.81	S, US
	2500	S56C	108016.00	√	814	4D28FK3	29	90	115	7.6	12.82	S, US
	2500	SS56C	098010.00	√	773	42D28FK4	25	180	230	3.8	11.81	S, US
	2500	S56C	108017.00	√	814	4D28FK4	29	180	230	3.8	12.82	S, US
	1750	SS56C	098032.00	√	873	42D17FK7	36	90	115	7.6	13.81	S, US
	1750	S56C	108018.00	√	918	4D17FK3	38	90	115	7.6	13.82	S, US
	1750	SS56C	098069.00	√	873	42D17FK11	36	180	230	3.8	13.81	S, US
	1750	S56C	108019.00	√	918	4D17FK4	35	180	230	3.8	13.82	S, US
	1140	S56C	109100.00	C/A	1124	4D11FK7	49	90	115	7.5	15.82	S, US
1	2500	S56C	108020.00	√	873	4D28FK5	34	90	115	10.0	13.32	S, US
	2500	S56C	108021.00	√	873	4D28FK6	38	180	230	5.0	13.82	S, US
	1750	S56C	108022.00	√	1068	4D17FK5	47	90	115	10.0	14.82	S, US
	1750	S56C	108023.00	√	1068	4D17FK6	39	180	230	5.0	14.81	S, US
	1140	145TC	128023.00	√	2129	C145D11FK1	82	90	115	11.0	18.84	S, US
1 1/2	2500	S56C	108265.00	√	1293	4D28FK11	43	180	230	7.5	15.32	S, US
	1750	S56C	108092.00	√	1334	4D17FK10	53	180	230	7.6	16.82	S, US
	1750	S56/145TC	108262.00	√	1334	4D17FK19	54	180	230	7.6	17.39	S, US, 55
	1750	145TC	128000.00	√	2026	C145D17FK2	70	180	230	7.5	18.34	S, US
2	2500	S56/145TC	108266.00	√	2026	4D28FK12	51	180	230	8.6	17.89	S, US, 55
	1750	145TC	128010.00	√	2418	C145D17FK3	83	180	230	9.5	19.34	S, US
	1750	182/145TC	128001.00	√	2418	C182D17FK3	84	180	230	9.5	19.34	S, US, 54
3	1750	182/145TC	108502.00	√	3368	182D17FK2	88	180	230	14.0	21.75	S, US, 54

If base is removed, do not reinstall bolts without using washers to compensate for thickness of base.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

View On-line Technical Information

TEFC - SCR Rated 90 & 180 Volts
NEMA 56C - C Face Less Base*

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	SS56C	098377.00	√	588	42D17FC29	19	90	115	2.5	10.81	S, US
1/3	1750	SS56C	098378.00	√	626	42D17FC30	23	90	115	3.5	11.31	S, US
1/2	1750	SS56C	098379.00	√	698	42D17FC31	29	90	115	5.0	11.81	S, US
3/4	1750	SS56C	098380.00	√	852	42D17FC32	38	90	115	7.6	13.81	S, US
1	1750	S56C	109096.00	√	1045	4D17FC42	47	90	115	10.0	14.82	S, US
	1750	S56C	109097.00	√	1045	4D17FC43	39	180	230	5.0	14.82	S, US

♥ Note listing on inside back flap

No tapped holes provided for attaching a bolt-on base.

Specifications are subject to change without notice

All necessary parts to mount listed tachometers to stock TEFC SCR motors. Consists of machined cast fan cover, coupling and hardware. Does not include tachometer. Tach adapter kit is not suitable for catalog number 108502.

Tachometer Mounting Kits For DC Motors

Tachometer Type	NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)
GE 5PY Series	SS56	71	175156.00	275	5
	56/145	—	175158.00	564	5
Servo-tek	SS56	71	175157.00	290	8
SA740 Series	56/145	—	175159.00	644	8

No Kit available for S56C motors

Specifications are subject to change without notice

Motors with S56C or SS56C frame sizes may be converted to 42/48 C face using the following:

Modification Kits

Frame	Catalog Number	List Price
SS56C	175182.00	47
S56C	175082.00*	47
	175802.00*†	47

* Addition of base kit will result in non-NEMA BA dimension of 2 3/4”. Addition of C face kit will result in conduit box located at 1 o’clock facing lead end.

† For S56 frame endshield mounted brush cover motors

Specifications are subject to change without notice

DC motors in NEMA S56C frame may be converted to 48 base using the following:

Frame	Catalog Number	List Price
S56C	175080.00*	36

* Additon of base kit will result in non-NEMA BA dimension of 2 3/4. Addition of C face kit will result in conduit box located at 1 o’clock facing lead end

† For S56 frame endshield mounted brush cover motors

Specifications are subject to change without notice

View On-line Technical Information

LEESON

DC Motors

Explosion-Proof - SCR Rated

Application Notes:
These motors must be applied in accordance with the National Electrical Code, Article #500. For a listing of explosive agents, consult NFPA Publication 497M.

General Specifications:
- Approved for application in hazardous environments where certain explosive gases or materials are present

Features:
- Rugged mechanical construction
- Meets all safety requirements
- UL and CSA listed
- Leads exit thru 3/4”-14NPT Pipe nipple at top of frame opposite shaft end
- Conduit box optional - see below
- Pilot duty thermostats -standard (connect to SCR control)
- Thermostats rated for continuous duty with full wave SCR(thyristor) controls.
- Double shielded, pre lubricated ball bearings - standard
- Easy brush access for field service

Explosion-Proof - Class I, Groups C & D – Class II, Groups F & G 90 & 180 Volt - TEFC - C- Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3	1750	S56C	118015.00	√	2339	C6D17EK1	27	90	115	3.5	13.41	S, US
1/2	1750	S56C	118016.00	√	2641	C6D17EK2	30	90	115	4.7	14.41	S, US
	1750	S56C	118017.00	√	2641	C6D17EK3	32	180	230	2.5	14.41	S, US
3/4	1750	S56C	118018.00	√	3272	C6D17EK4	40	90	115	7.1	16.41	S, US
	1750	S56C	118019.00	√	3272	C6D17EK5	36	180	230	3.3	16.41	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

UL and CSA listed for Class I, Group C & D, and Class II, Groups F & G locations. Has grounding screw and all hardware provided. Mounts to motor by 3/4”-14NPT opening at rear of box. For NEMA 56 frame motors only.

Explosion-Proof Conduit Box

Catalog Number	List Price	App. Wgt. (lbs)
175026.00	103	2

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Nema Frame - Washguard Duty - 90 & 180 Volts

General Specifications:

- Extended life in wet, high humid applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- Frame, base, endshields, armature and interior components protected by enamel and polyester compounds of outstanding adhesion and resistance to moisture, acids, alkalies and oil

Features:

- 303 Stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Patented "V" ring forsheda seal deflects water
- Double sealed, Oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture,acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded entrance
  - Drain holes
  - Nitrile gaskets
- 304 stainless steel conduit box cover and fan cover
- Re-positionable drain plugs for use in multiple mounting positions
- Nylon seals at bolt heads for superior sealing
- Machined fits throughout
- Stainless steel data plate
- Chemically inert, static free fan with positive mounting insures it wont move
- Stainless steel fan guard
- USDA Approved white epoxy finish

90 & 180 Volts - Totally Enclosed - C Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	108423.00	√	781	C4D17VK9	23	90	115	2.7	10.69	S, US
	1750	S56C	098375.00	CA	781	C42D17VK1	21	180	230	1.4	10.22	S, US
1/3	1750	S56C	108424.00	√	826	C4D17VK10	26	90	115	3.5	11.69	S, US
	1750	S56C	098376.00	C/A	826	C42D17VK2	22	180	230	1.7	10.22	S, US
1/2	1750	S56C	108226.00	√	926	C4D17VK1	38	90	115	4.9	13.69	S, US
	1750	S56C	108227.00	√	926	C4D17VK2	43	180	230	2.4	13.69	S, US
3/4	1750	S56C	108228.00	√	1124	C4D17VK3	53	90	115	7.0	15.69	S, US
	1750	S56C	108229.00	√	1124	C4D17VK4	50	180	230	3.5	15.69	S, US
1	1750	S56C	108230.00	√	1370	C4D17WK1	45	90	115	10.0	15.81	S, US
	1750	S56C	108231.00	√	1370	C4D17WK2	42	180	230	5.0	14.81	S, US
1 1/2	1750	S56C	108232.00	√	1750	C4D17WK3	50	180	230	7.6	15.81	S, US

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

Washguard - IEC Frame - TENV IP55

180 Volts - TENV - B5 Flange With Removable Base

HP/kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/2 - .37	1750	71	098040.00	C/A	819	42D17VD1	22	180	230	2.5	10.69	S, US
3/4 - .55	1750	80	108407.00	C/A	1110	4D17VD1	52	180	230	3.5	16.02	S, US

♥ Note listing on inside back flap

If base is removed, do not reinstall bolts without using washers to compensate for the thickness of base. These WASHGUARD motors are modular design but stocked with B5 flange and B3 foot. The foot is removable. The B5 flange can be replaced with a B14 face or other diameter B5 flanges noted on page 290.

Specifications are subject to change without notice

DC Motors
Gearmotors
Ac / DC Controls
Accessories / Kits
Mods / Factory Options
X-Ref / Index
Tech Information
Terms / Warnings
Other Products

DC Motors

Sub-FHP - SCR Rated

General Specifications:
Precision subfractional horsepower DC permanent magnet motors designed for use with full wave non-filtered SCR controls for adjustable speed applications requiring dynamic braking and constant torque throughout the speed range.

Features:
- Compact, space saving design
- Ball bearing construction
- Long life brushes
- External access to brushes allows for easy replacement further prolonging motor life
- Conduit box standard on 31 and 34 frame models
- Continuous duty with full wave un-filtered rectified SCR (thyristor) controls
- Linear speed torque characteristics throughout the sped range
- High starting torques
- Reversible rotation

Explosion-Proof - Class I, Groups C & D – Class II, Groups F & G
90 & 180 Volt - TEFC - C- Face With Removable Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	♥Notes
1/25	2500	25AS	M1110014.00	√	272	980.533	3	90	115	0.5	S, US, 12
	1750	25CS	M1110003.00	√	282	980.535	3	90	115	0.5	S, US, 12
1/15	2500	25CS	M1110015.00	√	292	980.539	5	90	115	0.7	S, US, 12
	1750	31BS	M1120013.00	√	303	M31D17NZ1	5	90	115	0.8	S, US, 12
	1750	31BS	M1120039.00	√	303	M31D17NZ5	7	180	230	0.4	S, US, 12
1/10	2500	31BS	M1120060.00	√	303	M31D35NZ4	5	90	115	1.3	S, US, 12
	1750	31CS	M1120014.00	√	358	M31D17NZ2	7	90	115	1.1	S, US, 12
	1750	31CS	M1120041.00	√	358	M31D17NZ7	7	180	230	0.6	S, US, 12
1/8	2500	31CS	M1120059.00	√	358	M31D35NZ3	6	90	115	1.5	S, US, 12
	1750	31ES	M1120027.00	√	387	M31D18NZ10	7	90	115	1.3	S, US, 12
	1750	31ES	M1120045.00	√	387	M31D17NZ11	7	180	230	0.7	S, US, 12
	1750	34D42CZ	M1130053.00	√	402	CM34D17NC5	8	90	115	1.4	S, US, 12
	1750	34D42CZ	M1130118.00	√	402	CM34D17NC8	7	180	230	0.7	S, US, 12
1/6	2500	31ES	M1120058.00	√	387	M31D35NZ6	9	90	115	1.9	S, US, 12
	1750	31GS	M1120042.00	√	391	M31D17NZ8	9	90	115	1.8	S, US, 12
	1750	31GS	M1120043.00	√	391	M31D17NZ9	11	180	230	0.9	S, US, 12
	1750	34E56C	M1130054.00	√	410	CM34D17NC6A	11	90	115	1.7	S, US, 12
	1750	34E56C	M1130119.00	√	410	CM34D17NC9	11	180	230	0.9	S, US, 12
1/4	2500	31GS	M1120062.00	√	409	M31D35NZ5	9	90	115	2.6	S, US, 12
	1750	34G56C	M1130055.00	√	424	CM34D17FC2	13	90	115	2.7	S, US, 13
	1750	34G56C	M1130120.00	√	424	CM34D17FC4	13	180	230	1.3	S, US, 13

B 25 frame motors have provisions for an optional conduit box catalog number M1760000, see page 332.

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

DC Motors

Sub-FHP IP55 Washguard Motors

Application Notes:
Leeson Washguard motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Washguard motors retard the entrance of water. Extra protection for the motor's interior prevents rust and corrosion build-up and releases trapped moisture to insure a longer life than possible with a standard motor.

General Specifications:
Precision subfractional horsepower DC permanent magnet motors. Designed for use with fullwave nonfiltered SCR controls or battery supplied low voltage for adjustable speed applications requiring constant torque throughout the speed range.

Features:
- 303 Stainless steel shaft resists corrosion
- Lubricated spring loaded contact seals prevent moisture from entering the motor
- Double sealed, oversize bearings with high temp lubricant
- Exterior and interior components protected against moisture,acids, alkalies and oil
- Cast conduit box for superior sealing includes:
  - Threaded entrance
  - Drain holes
  - Nitrile gaskets
- 304 stainless steel conduit box cover
- Stainless steel hardware
- USDA approved white epoxy finish
- Nylon seals at bolt heads for superior sealing
- O ring sealed brush covers

90 Volt - TENV - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	♥Notes
1/8	1750	31S	M1120181.00	√	485	CM31D17V21	11	90	115	1.5	S, US
1/6	1750	31S	M1120183.00	√	492	CM31D17V23	11	90	115	1.9	S, US
1/4	2500	32F42CZ	M1120185.00	√	535	CM32D25VC1	13	90	115	1.9	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

12 Volt - TENV - Square Flange or C Face

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	♥Notes
1/8	1750	31S	M1120182.00	√	505	CM31D17VZ2	7	12	10.5	S, US
1/6	1750	31S	M1120184.00	√	512	CM31D17VZ4	11	12	14.5	S, US
1/4	2500	32F42CZ	M1120186.00	√	556	CM32D25VC2	13	12	20	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

DC Motors

METRIC (IEC) Frame - SCR Rated - IP54

Application Notes:
Please note that one or more of the mounting kits must be used with IEC motors of these frame sizes. See listing on next page for B5 flange and B14 face kits. B3 rigid base kits are listed below.

General Specifications:
- Built to IEC 34-1 Electrical and Mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 and 80 frames only

Features:
- Cast aluminum conduit box
- Terminal board provided for connections
- All Metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 and 80 frames only

180 Volts - Totally Enclosed - B5 Flange

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
0.06/1/12	1750	56	M1130146.00	C/A	435	CIM34D18ND1	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	M1130150.00	√	435	CIM34D30ND1	9	180	230	0.7	6.74	S, US, 12
	1750	56	M1130147.00	√	466	CIM34D18ND2	10	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	M1130151.00	√	450	CIM34D30ND2	9	180	230	0.9	7.55	S, US, 12
	1750	63	M1130148.00	√	533	CIM34D18FD1	7	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	M1130152.00	√	492	CIM34D30ND3	11	180	230	1.3	8.78	S, US, 12
	1750	63	M1130149.00	√	572	CIM34D18FD2	13	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	M1130153.00	√	546	CIM34D30FD1	11	180	230	1.7	9.50	S, US, 13

These motors have accommodations for B3 base mountings with the kits below.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

DC Motors

METRIC (IEC) Frame - SCR Rated - IP54

180 volts - Totally Enclosed - B14 Flange

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
0.06/1/12	3000	56	M1110024.00	√	388	980.542	6	180	230	0.4	6.34	S, US, 12
	1750	56	M1130136.00	√	435	CIM34D18NC5	8	180	230	0.5	6.24	S, US, 12
0.09/1/8	3000	56	M1130140.00	√	435	CIM34D30NC1	9	180	230	0.7	6.74	S, US, 12
	1750	56	M1130137.00	C/A	466	CIM34D18NC6	14	180	230	0.7	7.55	S, US, 12
0.12/1/6	3000	56	M1130141.00	√	450	CIM34D30NC2	10	180	230	0.9	7.55	S, US, 12
	1750	63	M1130138.00	√	533	CIM34D18FC1	8	180	230	0.9	8.30	S, US, 13
0.18/1/4	3000	63	M1130142.00	√	492	CIM34D30NC3	10	180	230	1.3	8.78	S, US, 12
	1750	63	M1130139.00	√	572	CIM34D18FC2	10	180	230	1.3	9.50	S, US, 13
0.25/1/3	3000	63	M1130143.00	√	546	CIM34D30FC1	10	180	230	1.7	9.50	S, US, 13

Except for M1110024, these motors have accommodations for B3 base mountings with the kits below.

♥ Note listing on inside back flap

C/A - Check Availability

Specifications are subject to change without notice

TEFC - SCR Rated 180 Volts - Round Body

kW/HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
0.25/1/3	1750	71	098014.00	√	569	42D17FT1	23	180	230	1.7	11.28	S, US
0.37/1/2	3000	71	098016.00	√	608	42D34FT1	21	180	230	2.5	10.78	S, US
	1750	71	098015.00	√	646	42D17FT2	26	180	230	2.5	11.78	S, US
0.55/3/4	3000	71	098017.00	√	699	42D34FT2	24	180	230	3.6	11.78	S, US
	1750	80	108369.00	√	799	4D17FT1	34	180	230	3.5	14.64	S, US
0.75/1	3000	80	108372.00	√	799	4D34FT1	45	180	230	4.9	14.64	S, US
	1750	80	108370.00	√	987	4D17FT2	48	180	230	4.6	17.14	S, US
1.1/11/2	3000	80	108373.00	√	884	4D34FT2	47	180	230	7.1	16.14	S, US
	1750	80	108371.00	√	1303	4D17FT3	52	180	230	7.0	17.14	S, US
	1750	90L	118007.00	√	1941	CI6D17FT1	64	180	230	7.5	18.97	S, US
1.5/2	3000	90L	118009.00	√	1941	CI6D34FT1	72	180	230	10.0	18.47	S, US
	1750	90L	118008.00	√	2328	CI6D17FT2	84	180	230	9.5	20.47	S, US
2.2/3	3000	90L	118010.00	√	2328	CI6D34FT2	82	180	230	16.0	19.47	S, US
	1750	112M	118014.00	√	3250	CI6D17FK1	90	180	230	14.0	21.79	S, US

IMPORTANT: These round body motors require either a B3 rigid base, B14 face or B5 flange kit. Catalog number 118014 comes complete with IEC 112 B14 face and B3 foot; shaft diameter is 24mm.

♥ Note listing on inside back flap

Specifications are subject to change without notice

DC Motors

Metric (IEC) Frame - SCR Rated

(For DC Metric Motors Only)

All motors are stocked with provisions to accommodate B3 foot mountings with the packages noted below.

B3 Foot Mounting Kits

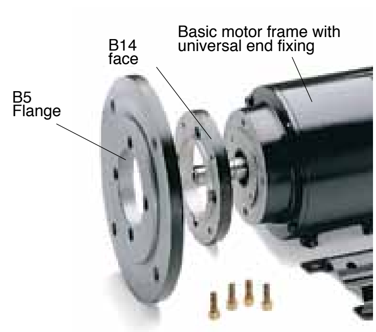
IEC Frame	Catalog Number	List Price
56	175142.00	63
63	175143.00	63
71	175144.00	69
80	175145.00	75
80	175784.00†	75
90	175146.00	48

† For endshield mounted brush cover motors

Flange Kits

Flange and face kits for DC Metric (IEC) frame motors

An advantage of LEESON'S modular design concept is the possible use of a different diameter B5 flange or B14 face than is normally assigned to a motor by IEC dimensional standards. This flexibility makes it possible to accommodate a wide variety of gear reducers, pumps and similar close coupled motor mounted loads.



B5 Flange Kits (For DC Metric Motors Only)

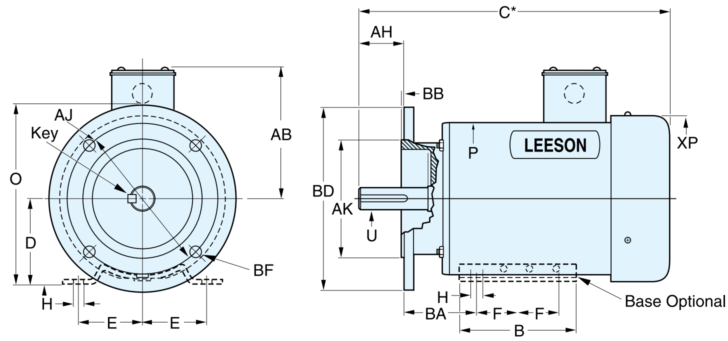
IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175106.00	77	2	110	9	130	160
80	175108.00	77	3	130	12	165	200
90S/90L	175108.00	77	3	130	12	165	200
100L/112M	175137.00	188	5	180	15	215	250

Specifications are subject to change without notice

B14 Face Kits (For DC Metric Motors Only)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)	BD Flange Dia. (mm)
71	175107.00	77	1	70	6	85	105
80	175109.00	77	1	80	6	100	120
90S/90L	175129.00	77	1	95	6	115	140
100L/112M	175130.00	188	2	110	6	130	160

Specifications are subject to change without notice



*For overall length, see motor listing.

IEC Frame Dimensions (Millimeters)

IEC Frame	Mounting					Shaft						B14 Face/B5 Flange					General			
	2E	2F	BA	D	H	U	AH✧	KEY	S	R	TAP	AJ	AK	BD	BF	BB	AB	XP	B	O
56	90	71	36	56	6	9	20	15	3	7.0	M3	65 / 100	50 / 80	80 / 120	M5 / 7	2.5 / 2.5	83	96	90	99
63	100	80	40	63	7	11	23	19	4	9.0	M4	75 / 115	60 / 95	90 / 140	M5 / 9	2.5 / 3.0	116	96	96	108
71	112	90	45	71	7	14	30	26	5	11.5	M5	85 / 130	70 / 110	105 / 160	M6 / 9	2.5 / 3.5	114	130	105	132
80	125	100	50	80	10	19	40	33	6	16.0	M6	100 / 165	80 / 130	120 / 200	M6 / 12	3.0 / 3.5	124	149	127	151
90S	140	100	56	90	10	24	50	36	8	20.5	M8	115 / 165	95 / 130	140 / 200	M8 / 12	3.0 / 3.5	135	182	152	173
90L	140	125	56	90	10	24	50	36	8	20.5	M8	115 / 165	95 / 130	140 / 200	M8 / 12	3.0 / 3.5	135	182	152	173
100L	160	140	63	100	12	28	60	41	8	24.5	M10	130 / 215	110 / 180	160 / 250	M8 / 15	3.5 / 4.0	135	182	176	173
112M	190	140	70	112	12	28	60	41	8	24.5	M10	130 / 215	110 / 180	160 / 250	M8 / 15	3.5 / 4.0	162	231	176	225

✧ Without face or flange AH shaft dimension is 12mm longer.

Specifications are subject to change without notice

DC Motors

NEMA Frame - Low Voltage 12, 24, 36 & 48 VOLTS

General Specifications:

- Low voltage PMDC design suitable for battery, solar powered or generator supplied low voltage applications

Features:

- Oversized brushes for long life
- External access to brushes allows for easy replacement further prolonging motor life
- Heavy-duty, stamped steel, bolt on base (Removable)
- NEMA C face mounting flange at no additional cost
- High strength rolled steel frame
- Rugged die cast endshields with steel bearing inserts
- Permanently lubricated sealed ball bearings
- Convert to NEMA 48 frame base dimensions or NEMA 42/48 frame C face dimensions with modification kits shown below
- High starting torques for heavy load applications
- Linear speed torque characteristics throughout the speed range
- Capable of dynamic braking for faster stops
- Reversible rotation
- Simple two lead connection

12, 24, 36 & 48 Volts - TENV / TEFC - C Face With Removable Base

HP/ kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	108045.00	√	652	4D17NK5	21	12	21.0	10.27	S, US, 12, 56
1/3	1750	S56C	108046.00	√	717	4D17NK6	24	12	27.0	10.77	S, US, 12, 56
	1750	S56C	108050.00	√	687	4D17NK9	22	24	13.5	10.77	S, US, 12, 56
1/2	1750	S56C	108047.00	√	746	4D17NK7	29	12	39.0	11.77	S, US, 12, 56
	1750	S56C	108051.00	√	711	4D17NK10	29	24	20.0	11.77	S, US, 12, 56
	1750	SS56C	098381.00	√	677	42D18FK6	29	36	13.5	10.81	S, US
	1750	SS56C	098382.00	√	655	42D18FK7	29	48	11.0	10.81	S, US
3/4	1750	S56C	108048.00	√	823	4D17FK7	30	12	58.0	13.82	S, US, 57
	1750	S56C	108052.00	√	745	4D17FK8	30	24	29.0	12.82	S, US
1	1750	S56C	108322.00	√	981	4D17FK28	39	12	80.0	13.81	S, US, 57
	1750	S56C	108053.00	√	903	4D17FK9	37	24	39.0	13.82	S, US, 57
	1750	S56C	109101.00	√	865	4D18FK1	37	36	25.5	13.81	S, US
	1750	S56C	109102.00	√	834	4D18FK2	37	48	18.5	13.81	S, US
1 1/2	1750	S56CZ	109103.00	√	1317	4D18FK3	39	24	60.0	15.25	S, US, 57, 58
	1750	S56CZ	109104.00	√	1301	4D18FK4	37	36	36.0	17.38	S, US, 57, 58
	1750	S56CZ	109105.00	√	1256	4D18FK5	37	48	27.0	17.38	S, US, 57, 58
2	1750	S56CZ	109106.00	√	1649	4D18FK6	42	24	70.0	16.74	S, US, 57, 58
	1750	S56CZ	109107.00	√	1525	4D18FK7	42	36	49.0	16.74	S, US, 57, 58
	1750	S56CZ	109108.00	√	1466	4D18FK8	42	48	38.0	16.74	S, US, 57, 58

If base is removed, do not reinstall bolts without using washers to compensate for thickness of base.

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

LEESON

General Specifications:
- Built to IEC 34-1 Electrical and Mechanical standards
- IEC 63 and smaller frames supplied with an integral B5 Flange or B14 face
- Optional B3 Rigid base kit available
- IEC 71 frame and larger can be field modified for B3 Rigid Base, B5 Flange, or B14 face construction using conversion kits
- Tachometer mounting kits available for 71 and 80 frames only

Features:
- Cast aluminum conduit box
- Terminal board provided for connections
- All Metric fasteners
- Easy brush access for field service
- Oversize brushes for extended life
- High strength rolled steel frame
- Die cast aluminum endshields with Steel bearing inserts
- Permanently lubricated sealed ball bearings
- Reversible rotation
- Simple 2 lead connection
- Convenient wiring access
- Tachometer mounting kits available for 71 and 80 frames only

24 Volt - TEFC/TENV - Modular Design

HP/ kW	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	"C" Dim. (Inches/mm)	♥Notes
0.06/1/12	3000	56	M1110025.00›	√	354	980.543	5	24	3.3	5.34	S, US, 12
	1750	56	M1110026.00›	√	400	980.544	6	24	3.4	6.34	S, US,12
0.18/1/4	3000	63	M1130206.00”	√	451	CIM34D30FD2	13	24	11	7.75	S, US
	3000	63	M1130296.00›	√	451	CIM34D30FC7	9	24	11	7.75	S, US
	1750	63	M1130207.00*	√	517	CIM34D18FD6	13	24	10	8.75	S, US
	1750	63	M1130297.00›	√	517	CIM34D18FC10	9	24	10	8.75	S, US
	1750	71	098065.00	√	619	42D17FT6	19	24	11	10.77	S, US
0.37/1/2	3000	71	098066.00	√	640	42D34FT7	23	24	20	11.27	S, US
	1750	71	098067.00	√	677	42D17FT7	23	24	20	12.27	S, US
0.75/1	3000	80	108456.00	√	744	4D34FT5	33	24	40	14.14	S, US, 57
	1750	80	108455.00	√	870	4D17FT6	52	24	39	14.64	S, US, 57
1.1/11/2	3000	80	108457.00	√	826	4D34FT6	33	24	65	15.64	S, US, 57
1.5/2	3000	80	108458.00	√	950	4D34FT7	43	24	78	17.14	S, US, 57

IMPORTANT: IEC 71 and 80 frame motors in this chart are round body and require either B14 face, B5 flange or B3 foot from kits shown on page 290.

› Dedicated B5 Flange

* Dedicated B14 Face

♥ Note listing on inside back flap

Specifications are subject to change without notice

DC Motors

SUB-FHP Low Voltage Motors

General Specifications:

- Low voltage PMDC design suitable for battery, solar powered or generator supplied low voltage applications

Features:

- Compact, space saving design
- Standard conduit box simplifies connections
- Ball bearing construction
- Long life brushes
- External access to brushes allows for easy replacement further prolonging motor life
- High starting torques
- Linear speed torque characteristics throughout the speed range
- Capable of dynamic braking for faster stops
- Reversible rotation
- Simple two lead connection
- Class F insulated with high temperature welded commutators.

12 & 24 Volts - TENV - Square Flange

HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	♥Notes
1/20	1750	25CS	M1110006.00*	√	258	980.536	3	12	4.4	S, US
1/10	4200							24	4.4	
1/14	1750	31AS	M1120040.00	√	303	M31D17NZ6	4	12	7.7	S, US
1/7	4200							24	7.7	
1/7	1750	31ES	M1120044.00	√	400	M31D17NZ10	9	12	13	S, US
1/4	3500							24	13	
1/6	1750	31GS	M1120046.00	√	423	M31D17NZ26	8	12	14	S, US
1/3	3900							24	14	

These motors may be operated at 12, 24V, or at intermediate voltages between 12 and 24V, within horsepower ranges noted.

♥ Note listing on inside back flap

* Provision for optional conduit box - M1760000.00

Specifications are subject to change without notice

View On-line Technical Information

LEESON®

Low Voltage Commercial Duty Metric (IEC) Frame Motors

Features:
- Specially designed low voltage DC for use in OEM applications
- Combination of features and low cost make these ideal for many uses
- IP44(TENV) enclosure
- Dedicated B14 face mount
- Continuous duty
- Zinc plated steel frame construction

12, 24V & 90 Volt - TENV - B14 Mount

HP	Full Load RPM	IEC Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	F. L. Amps DC	♥Notes
1/15	3000	56	980.159	√	180	980.159	2.3	12	6.4	S, US
	3000	56	980.143	√	180	980.143	2.3	24	3.2	S, US
	3000	56	980.549	√	173	980.549	2.3	90	0.8	S, US
1/8	3000	56	970.600	√	208	970.600	3.0	12	12.0	S, US
	3000	56	970.601	√	208	970.601	3.0	24	5.3	S, US
	3000	56	970.576	√	208	970.576	3.0	90	1.2	S, US
1/6	3000	56	970.620	√	226	970.620	3.5	12	13.1	S, US
	3000	56	970.621	√	226	970.621	3.5	24	6.8	S, US
	3000	56	970.577	√	214	970.577	3.5	90	1.6	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

DC Motors - Washguard Motors

NEMA and IEC Washguard
All-Stainless DC Motors - SCR Rated

TEFC - SCR Rated 90 & 180V - NEMA - C Face With Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	109065.00	√	1299	4D17VK24	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	109066.00	√	1374	4D17VK25	44	90	115	3.8	12.81	S, US, 12
	1750	S56C	109067.00	√	1374	4D17VK26	44	180	230	1.9	12.81	S, US, 12
1/2	1750	S56C	109069.00	√	1605	4D17WK9	46	90	115	5.2	13.87	S, US, 13
	1750	S56C	109070.00	√	1605	4D17WK10	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	109072.00	√	1954	4D17WK13	47	90	115	7.5	15.37	S, US, 13
	1750	S56C	109073.00	√	1954	4D17WK14	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	109075.00	√	2267	4D17WK16	51	90	115	9.5	16.37	S, US, 13
	1750	S56C	109076.00	√	2267	4D17WK17	50	180	230	5.0	16.37	S, US, 13

Base is welded to frame and not removable

♥ Note listing on inside back flap

Specifications are subject to change without notice

TEFC - SCR Rated 90 & 180V - NEMA - C Face Less Base

HP	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/4	1750	S56C	109078.00	√	1268	4D17VC5	38	90	115	3.1	11.81	S, US, 12
1/3	1750	S56C	109079.00	√	1343	4D17VC6	44	90	115	3.8	12.81	S, US, 13
	1750	S56C	109080.00	√	1343	4D17VC7	44	180	230	1.9	12.81	S, US, 13
1/2	1750	S56C	109082.00	√	1575	4D17WC2	46	90	115	5.2	13.87	S, US, 13
	1750	S56C	109083.00	√	1575	4D17WC3	46	180	230	2.7	13.87	S, US, 13
3/4	1750	S56C	109085.00	√	1924	4D17WC5	47	90	115	7.5	15.37	S, US, 13
	1750	S56C	109086.00	√	1924	4D17WC6	48	180	230	3.7	15.37	S, US, 13
1	1750	S56C	109088.00	√	2238	4D17WC8	51	90	115	9.5	16.37	S, US, 13
	1750	S56C	109089.00	√	2238	4D17WC9	50	180	230	5.0	16.37	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

LEESON®

TEFC - SCR Rated 90 & 180V - All Stainless Steel - C Face With Base

HP/kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109068.00	√	1374	4D17VK27	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109071.00	√	1605	4D17WK11	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109074.00	√	1954	4D17WK15	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109077.00	√	2267	4D17WK18	50	180	230	5	16.37	S, US, 13

Base is welded to frame and not removable
Specifications are subject to change without notice

♥ Note listing on inside back flap

TEFC - SCR Rated 90 & 180V - Metric (IEC) - All-Stainless Steel - C Face Less Base

HP/kW	Full Load RPM	NEMA Frame	Catalog Number	Stock	List Price	Model Number	App. Wgt. (lbs)	Arm. Volts DC	Control Volts AC Input	F. L. Amps DC	"C" Dim. (Inches)	♥Notes
1/3 - 0.25	1750	80D	109081.00	√	1343	4D17VC8	44	180	230	1.9	12.81	S, US, 12
1/2 - 0.37	1750	80D	109084.00	√	1575	4D17WC4	46	180	230	2.7	13.87	S, US, 13
3/4 - 0.55	1750	80D	109087.00	√	1924	4D17WC7	48	180	230	3.7	15.37	S, US, 13
1 - 0.75	1750	80D	109090.00	√	2238	4D17WC10	50	180	230	5	16.37	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

Flange And Face Kits for DC Metric (IEC) Frame Motors

The modular design concept of LEESON's other metric DC motors has been applied to the all-stainless metric motors. Any flange or face kit can mount on any motor. This allows the greatest flexibility from the smallest inventory of motors.

B5 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	175593.00	173	2	160	110	9	130
80	175594.00	208	3	200	130	12	165
90S/90L	175594.00	208	3	200	130	12	165
100L/112M	175595.00	325	5	250	180	15	215

Specifications are subject to change without notice

♥ Note listing on inside back flap

B14 Flange Kits (For Stainless DC Metric Motors)

IEC Frame	Catalog Number	List Price	App. Wgt. (lbs)	BD Flange Dia. (mm)	AK Register (mm)	BF Hole (mm)	AJ Bolt Circle (mm)
71	175596.00	131	1	105	70	6	85
80	175597.00	131	1	120	80	6	100
90S/90L	175598.00	358	1	140	95	6	115
100L/112M	175599.00	325	2	160	110	6	130

Specifications are subject to change without notice

♥ Note listing on inside back flap

Gearmotors

Quick Reference – Stock Sub-FHP Gearmotors

		AC Single & Three Phase		DC SCR & Low Voltage
	Parallel Shaft PZ Series Gearmotors	Single Phase 115V 12-100 In-Lbs Output Torque Page 321	BODINE/BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 10-100 In-Lbs Output Torque Low Voltage (12V) 36-100 In-Lbs torque Page 301
	P240 & P300 Series Gearmotors	Single Phase 115/230V 43-391 In-Lbs Output Torque Page 323	BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 27-353 In-Lbs Output Torque Low Voltage (12V) 113-353 In-Lbs torque Page 303
	OS300 Series Gearmotors			DC SCR 90V and Low Voltage (12V) Output Torque 130-268 In-Lbs Page 305
	PE350 Series Gearmotors	Single Phase 115/230V 25-341 In-Lbs Output Torque Three Phase 230/460V 55-320 In-Lbs Output Torque Page 335	BODINE DIRECT INTERCHANGE	DC SCR 90 & 180V 25-371 In-Lbs Output Torque Low Voltage (12V) 155-341 In-Lbs torque Page 307
	P1100 Series Gearmotors	Single Phase 115/230V 70-1105 In-Lbs Output Torque Three Phase 230/460V 70-1105 In-Lbs Output Torque Page 329	BISON/DAYTON DIRECT INTERCHANGE	DC SCR 90V 105-1112 In-Lbs Output Torque Low Voltage (12V) 320-1087 In-Lbs torque Page 309
	Right-Angle Worm Type 10 & 13 Series Gearmotors	Single Phase 115/230V 14-113 In-Lbs Output Torque Page 330	BODINE/DAYTON DIRECT INTERCHANGE	DC SCR 90 & 180V 5-135 In-Lbs Output Torque Low Voltage (12V) 25-135 In-Lbs torque Page 311
	Bravo Right Angle Worm Type 12 Series Gearmotors			DC SCR 90V and Low Voltage (12V) Output Torque 46-134 In-Lbs Page 313

LEESON

Quick Reference – Stock Sub-FHP Washguard Gearmotors

P300 Series Gearmotors

DC SCR 90V
and
Low Voltage (12V)
Output Torque
44-353 In-Lbs
Page 315

PE350 Series Gearmotors

DC SCR 90V
and
Low Voltage (12V)
Output Torque
25-341 In-Lbs
Page 317

Right-Angle 13 Series Gearmotors

DC SCR 90V
and
Low Voltage (12V)
Output Torque
50-135 In-Lbs
Page 319

P240 Series Gearmotors

AC – Single Phase & Three Phase
Washdown Duty
60-391 In-Lbs
Output Torque
Page 331

BISON/DAYTON DIRECT INTERCHANGE

Right-Angle Worm Type 10 & 13 Series Gearmotors

AC – Single Phase & Three Phase
Washdown Duty
23-220 In-Lbs
Output Torque
Page 331

BODINE/DAYTON DIRECT INTERCHANGE

Stock Sub-FHP Three Phase Inverter Rated Gearmotors

Includes gearmotor series PZ, P240, PE350 and 13 series right-angle

Three Phase 230V
12-391 In-Lbs
Output Torque
Page 334

View On-line Technical Information

Gearmotors

Parallel Shaft - PZ Series - DC

SCR Rated - 10-100 In-Lbs Torque
Low Voltage - 36-100 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box and PZ gearmotor mounting bracket available below

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- Model PZ gearmotors have the same mounting dimensions as Bodine model D and Z, Baldor/ Boehm, Bison 100 gearmotors, and a number of Dayton gearmotors
- For additional information, see Bulletin 1830
- **Bodine/Baldor/Boehm/Bison/Dayton direct interchange**

LEESON

SCR Rated - 10-100 In-Lbs Torque
Low Voltage - 36-100 In-Lbs Torque

90 & 180 Volts - TENV - PZ Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
4	40	1⁄40	M1115002.00	√	496	985.620	PZ5-30A	450	90	0.46	155	3.00	3.25	9.28	7.72	S, US
	40	1⁄40	M1125046.00	√	496	985.623	PZ5-30A	450	180	0.19	155	3.00	3.25	9.3	7.74	S, US
10	100	1⁄20	M1115001.00	√	496	985.621	PZ4-30E	180	90	0.54	155	3.00	3.25	9.28	7.72	S, US
	100	1⁄20	M1125047.00	√	496	985.624	PZ4-30A	180	180	0.31	155	3.00	3.25	9.3	7.74	S, US
20	100	1⁄20	M1115000.00	√	496	985.622	PZ4-30E	90	90	0.54	155	3.00	3.25	9.28	7.72	S, US
	100	1⁄20	M1125048.00	√	496	985.625	PZ4-30A	90	180	0.31	155	3.00	3.25	9.3	7.74	S, US
30	100	1⁄17	M1125002.00	√	539	985.627	PZ3-30B	60	90	0.8	155	3.00	2.68	8.74	7.18	S, US
	100	1⁄17	M1125037.00	√	539	985.635	PZ3-30B	60	180	0.36	155	3.00	2.68	8.74	7.18	S, US
60	56	1⁄17	M1125003.00	√	539	985.628	PZ3-30B	30	90	0.8	171	3.00	2.68	8.74	7.18	S, US
	56	1⁄17	M1125036.00	√	539	985.634	PZ3-30B	30	180	0.36	171	3.00	2.68	8.74	7.18	S, US
100	36	1⁄17	M1125004.00	√	539	985.626	PZ3-30B	18	90	0.8	171	3.00	2.68	8.74	7.18	S, US
	36	1⁄17	M1125035.00	√	539	985.631	PZ3-30B	18	180	0.36	171	3.00	2.68	8.74	7.18	S, US
150	24	1⁄17	M1125005.00	√	512	985.629	PZ2-30B	12	90	0.8	180	3.00	2.40	8.46	6.90	S, US
	24	1⁄17	M1125034.00	√	512	985.633	PZ2-30B	12	180	0.36	180	3.00	2.40	8.46	6.90	S, US
300	10	1⁄17	M1125006.00	√	512	985.630	PZ2-30B	6	90	0.8	180	3.00	2.40	8.46	6.90	S, US
	10	1⁄17	M1125033.00	√	512	985.632	PZ2-30B	6	180	0.36	180	3.00	2.40	8.46	6.90	S, US

Specifications are subject to change without notice

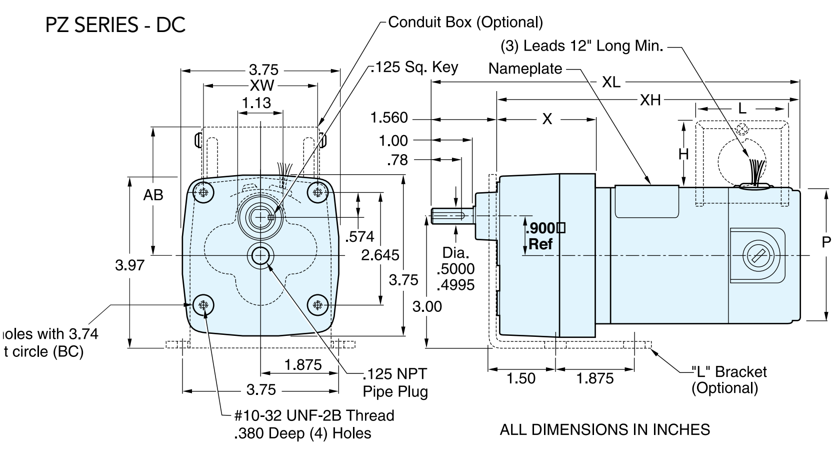
♥ Note listing on inside back flap

12 Volts - TENV - PZ Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
10	100	1⁄20	M1125213.00	√	549	985.653	PZ4-30	180	12	2.7	155	3.00	3.25	9.28	7.72	S, US
30	100	1⁄17	M1125214.00	√	583	985.654	PZ3-30	60	12	5.2	155	3.00	2.68	8.74	7.18	S, US
55	56	1⁄17	M1125215.00	√	583	985.655	PZ3-30	30	12	5.6	171	3.00	2.68	8.74	7.18	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap



Conduit Box Dimensions (IN)

Frame	XW	AB	H	L
30/31	2.63	3.47	1.90	3.13

View On-line Technical Information

LEESON

Gearmotors

Parallel Shaft - P300 Series - DC

SCR Rated - 27-353 In-Lbs. Torque
Low Voltage - 113-353 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:
- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:
- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available

Application Notes:
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor’s stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830
- Bison/Dayton direct interchange

Parallel Shaft - P300 Series - DC

SCR Rated - 27-353 In-Lbs. Torque
Low Voltage - 113-353 In-Lbs Torque

90 & 180 Volts - TENV - P300 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
5	353	1/20	M1115024.00	√	710	985.602	P303-30E	336	90	0.54	565	3.00	3.54	10.07	8.57	S, US
9	268	1/20	M1115025.00	√	710	985.603	P303-30E	216	90	0.54	474	3.00	3.54	10.07	8.57	S, US
18	150	1/20	M1115026.00	√	710	985.604	P303-30E	103	90	0.54	385	3.00	3.54	10.07	8.57	S, US
20	140	1/20	M1125092.00	√	729	985.607	P303-31E	90	180	0.31	370	3.11	3.54	10.07	8.57	S, US
24	280	1/8	M1125069.00	√	729	985.611	P303-30E	76	90	1.3	353	3.00	3.54	11.54	10.04	S, US
31	220	1/8	M1125070.00	√	729	985.612	P303-30E	58	90	1.3	327	3.00	3.54	11.54	10.04	S, US
31	220	1/8	M1125038.00	√	729	985.617	P303-30E	58	180	0.66	327	3.00	3.54	11.54	10.04	S, US
34	82	1/20	M1115027.00	√	710	985.605	P303-30E	52	90	0.54	318	3.00	3.54	10.07	8.57	S, US
51	130	1/8	M1125071.00	√	670	985.615	P302-30E	35	90	1.3	277	3.00	3.54	11.54	10.04	S, US
51	130	1/8	M1125039.00	√	670	985.614	P302-30E	35	180	0.66	277	3.00	3.54	11.54	10.04	S, US
51	55	1/20	M1115028.00	√	654	985.606	P302-30E	35	90	0.54	281	3.00	3.54	10.07	8.57	S, US
61	113	1/8	M1125072.00	√	670	985.610	P302-30E	29	90	1.3	267	3.00	3.54	11.54	10.04	S, US
60	45	1/20	M1125093.00	√	670	985.609	P302-31E	29	180	0.31	267	3.11	3.54	10.07	8.57	S, US
94	77	1/8	M1125073.00	√	670	985.613	P302-30E	19	90	1.3	236	3.00	3.54	11.54	10.04	S, US
94	77	1/8	M1125040.00	√	670	985.618	P302-30E	19	180	0.66	236	3.00	3.54	11.54	10.04	S, US
109	27	1/20	M1115029.00	√	654	985.601	P302-30E	16	90	0.54	224	3.00	3.54	10.07	8.57	S, US
106	26	1/20	M1125094.00	C/A	654	985.608	P302-31E	16	180	0.31	222	3.11	3.54	10.07	8.57	S, US
167	43	1/8	M1125074.00	√	670	985.616	P302-30E	11	90	1.3	197	3.00	3.54	11.54	10.04	S, US
170	43	1/8	M1125041.00	√	670	985.619	P302-30E	11	180	0.66	196	3.00	3.54	11.54	10.04	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

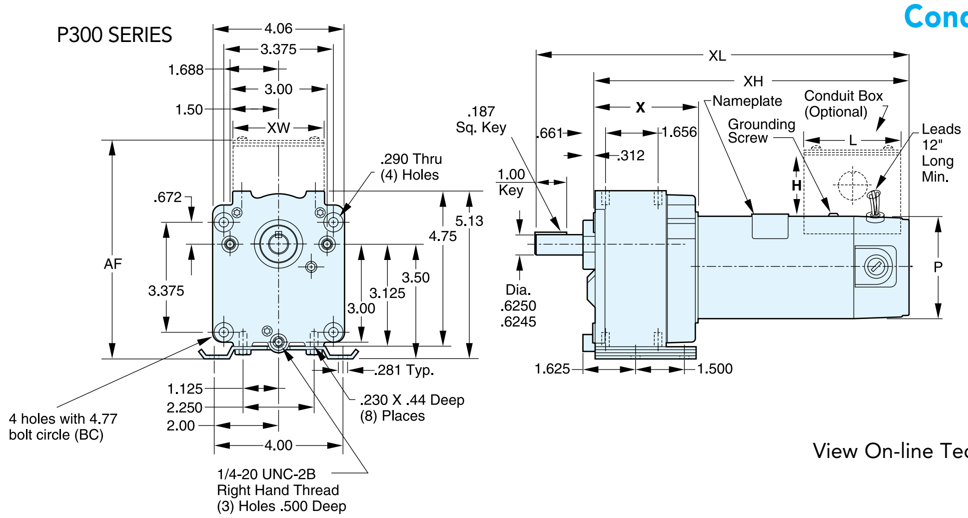
12 Volt - TENV - P300 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
5	353	1/20	M1125217.00	√	729	985.657	P303-30	336	12	5.6	565	3.00	3.85	10.07	8.57	S, US
31	220	1/8	M1125218.00	√	746	985.658	P303-30	58	12	10.6	327	3.00	3.54	11.54	10.04	S, US
51	130	1/8	M1125219.00	√	686	985.659	P302-30	35	12	10.3	277	3.00	3.23	11.54	10.04	S, US
61	113	1/8	M1125220.00	√	686	985.660	P302-30	29	12	10.4	267	3.00	3.23	11.54	10.04	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

P300 SERIES



Conduit Box Dimensions (IN.)

Frame	AF	XW	H	L
30/31	6.26	2.63	1.90	3.13

View On-line Technical Information

LEESON

Gearmotors

Off-Set Shaft Gearmotors - OS300 Series - DC

SCR Rated - 130-268 In-Lbs. Torque
Low Voltage - 130-268 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:
- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:
- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available

Application Notes:
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft

Gearmotors

Off-Set Shaft Gearmotors - OS300 Series - DC

SCR Rated - 130-268 In-Lbs. Torque
Low Voltage - 130-268 In-Lbs. Torque

90 Volts - TENV - OS300 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
9	268	1/20	M1125251.00	√	599	985.692	OS303-30	210	90	0.54	474	3.00	2.81	4.50	8.52	S, US
19	150	1/20	M1125250.00	√	599	985.691	OS303-30	103	90	0.56	385	3.00	2.81	4.50	8.52	S, US
24	280	1/8	M1125249.00	√	615	985.690	OS303-30	76	90	1.3	353	3.00	2.81	6.42	10.45	S, US
31	220	1/8	M1125248.00	√	615	985.689	OS303-30	58	90	1.4	327	3.00	2.81	6.42	10.45	S, US
51	130	1/8	M1125247.00	√	615	985.688	OS303-30	35	90	1.4	277	3.00	2.81	6.42	10.45	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

12 Volts - TENV - OS300 Series

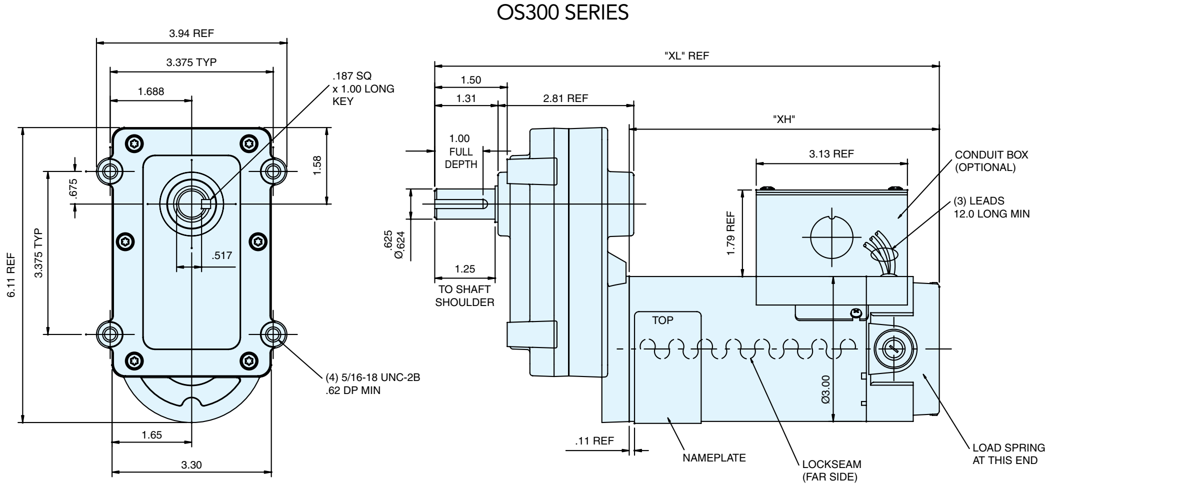
Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
9	268	1/20	M1125256.00	√	615	985.697	OS303-30	210	12	4.5	474	3.00	2.81	4.50	8.52	S, US
18	150	1/20	M1125255.00	√	615	985.696	OS303-30	103	12	5	385	3.00	2.08	4.50	8.52	S, US
24	280	1/8	M1125254.00	√	629	985.695	OS303-30	76	12	10.6	353	3.00	2.81	6.42	10.45	S, US
31	220	1/8	M1125253.00	√	629	985.694	OS303-30	58	12	10.6	327	3.00	2.81	6.42	10.45	S, US
51	130	1/8	M1125252.00	C/A	629	985.693	OS303-30	35	12	10.3	277	3.00	2.81	6.42	10.45	S, US

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

OS300 SERIES



ALL DIMENSIONS IN INCHES

View On-line Technical Information

Gearmotors

PE350 Series - Parallel Shaft - DC

SCR Rated - 25-371 In-Lbs. Torque
Low Voltage - 155-341 In-Lbs Torque

General Specifications - SCR Rated Gearmotors:
- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:
- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:
- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Optional conduit box available

Application Notes:
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- **Bodine/Baldor direct interchange**

PE350 Series - Parallel Shaft - DC

SCR Rated - 25-371 In-Lbs. Torque
Low Voltage - 155-341 In-Lbs Torque

90 & 180 Volts - TENV - PE350 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
7	330	1⁄8	M1135106.00	√	718	M34D25NZ62	P353-34	336	90	0.7	565	11.31	9.31	S, US
	330	1⁄8	M1135139.00	√	718	M34D25NZ71	P353-34	336	180	0.35	565	11.31	9.31	S, US
14	341	1⁄8	M1135107.00	√	718	M34D25NZ61	P353-34	180	90	1	465	11.31	9.31	S, US
	341	1⁄8	M1135140.00	√	718	M34D25NZ72	P353-34	180	180	0.5	465	11.31	9.31	S, US
21	371	1⁄4	M1135117.00	√	752	M34D25NZ52	P353-34	124	90	1.1	413	13.31	11.31	S, US
	371	1⁄4	M1135141.00	√	752	M34D25NZ73	P353-34	124	180	0.55	413	13.31	11.31	S, US
27	305	1⁄4	M1135115.00	√	752	M34D25NZ51	P353-34	91	90	1.5	374	13.31	11.31	S, US
	305	1⁄4	M1135142.00	√	752	M34D25NZ74	P353-34	91	180	0.75	374	13.31	11.31	S, US
42	280	1⁄4	M1135108.00	√	752	M34D25NZ53	P353-34	58	90	2.3	327	13.31	11.31	S, US
	280	1⁄4	M1135143.00	√	752	M34D25NZ75	P353-34	58	180	1.2	327	13.31	11.31	S, US
50	250	1⁄4	M1135109.00	√	752	M34D25NZ54	P353-34	50	90	2.3	315	13.31	11.31	S, US
	250	1⁄4	M1135144.00	√	752	M34D25NZ76	P353-34	50	180	1.2	315	13.31	11.31	S, US
62	220	1⁄4	M1135110.00	√	752	M34D25NZ55	P353-34	43	90	2.3	303	13.31	11.31	S, US
	220	1⁄4	M1135145.00	√	752	M34D25NZ77	P353-34	43	180	1.2	303	13.31	11.31	S, US
83	155	1⁄4	M1135114.00	√	710	M34D25NZ57	P352-34	29	90	2.3	267	13.31	11.31	S, US
	155	1⁄4	M1135146.00	√	710	M34D25NZ78	P352-34	29	180	1.2	267	13.31	11.31	S, US
125	100	1⁄4	M1135111.00	√	710	M34D25NZ56	P352-34	23	90	2	256	13.31	11.31	S, US
	100	1⁄4	M1135147.00	√	710	M34D25NZ79	P352-34	23	180	1	256	13.31	11.31	S, US
165	70	1⁄4	M1135112.00	√	710	M34D25NZ58	P352-34	15	90	2	232	13.31	11.31	S, US
	70	1⁄4	M1135148.00	√	710	M34D25NZ80	P352-34	15	180	1	232	13.31	11.31	S, US
250	45	1⁄4	M1135116.00	√	710	M34D25NZ60	P352-34	10	90	2	201	13.31	11.31	S, US
	45	1⁄4	M1135149.00	√	710	M34D25NZ81	P352-34	10	180	1	201	13.31	11.31	S, US
500	25	1⁄4	M1135113.00	√	710	M34D25NZ59	P352-34	5	90	2	194	13.31	11.31	S, US
	25	1⁄4	M1135150.00	√	710	M34D25NZ82	P352-34	5	180	1	194	13.31	11.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

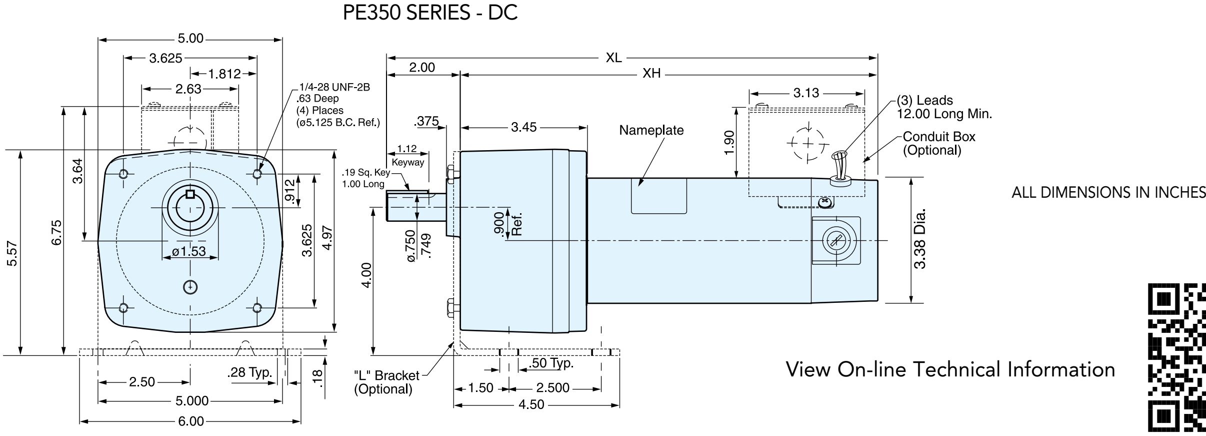
12 Volts - TENV - PE350 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
14	341	1⁄8	M1135243.00	√	733	M34D25NZ154	P353-34	180	12	8.7	465	11.05	9.05	S, US
42	325	1⁄4	M1135244.00	√	768	M34D25NZ155	P353-34	58	12	21	327	13.31	11.31	S, US
62	220	1⁄4	M1135245.00	√	768	M34D25NZ156	P353-34	43	12	21	303	13.31	11.31	S, US
83	155	1⁄4	M1135246.00	√	729	M34D25NZ157	P352-34	29	12	21	267	13.31	11.31	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

PE350 SERIES - DC



View On-line Technical Information

LEESON

Gearmotors

Parallel Shaft - P1100 Series - DC

SCR Rated - 105-1112 In-Lbs. Torque
Low Voltage - 320-1087 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Conduit box included as standard

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Motor’s stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830
- **Bison/Dayton direct interchange**

SCR Rated - 105-1112 In-Lbs. Torque
Low Voltage - 320-1087 In-Lbs. Torque

90 Volts - Totally Enclosed - Rigid Base - P1100 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	XH	♥Notes
8	1087	1⁄4	108700.00	√	1224	4D17NZ17	P1103-48	212	90	2.7	700	14.24	12.74	S, US
12	1030	1⁄4	108701.00	√	1224	4D17NZ18	P1103-48	143	90	2.7	700	14.24	12.74	S, US
18	750	1⁄4	108702.00	√	1224	4D17NZ19	P1103-48	95	90	2.7	700	14.24	12.74	S, US
42	353	1⁄4	108703.00	√	1194	4D17NZ20	P1102-48	42	90	2.7	650	14.24	12.74	S, US
60	238	1⁄4	108704.00	√	1194	4D17NZ21	P1102-48	29	90	2.7	625	14.24	12.74	S, US
92	160	1⁄4	108705.00	√	1194	4D17NZ22	P1102-48	19	90	2.7	575	14.24	12.74	S, US
135	105	1⁄4	108706.00	√	1194	4D17NZ23	P1102-48	13	90	2.7	525	14.24	12.74	S, US
18	1112	1⁄2	108707.00	√	1323	4D17FZ23	P1103-48	95	90	5	700	16.49	14.99	S, US
33	822	1⁄2	108708.00	√	1323	4D17FZ24	P1103-48	53	90	5	650	16.49	14.99	S, US
42	705	1⁄2	108709.00	√	1298	4D17FZ25	P1102-48	42	90	5	650	16.49	14.99	S, US
60	476	1⁄2	108710.00	√	1298	4D17FZ26	P1102-48	29	90	5	625	16.49	14.99	S, US
92	320	1⁄2	108711.00	√	1298	4D17FZ27	P1102-48	19	90	5	575	16.49	14.99	S, US
135	210	1⁄2	108712.00	√	1298	4D17FZ28	P1102-48	13	90	5	525	16.49	14.99	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

12 Volts - Totally Enclosed - Rigid Base - P1100 Series

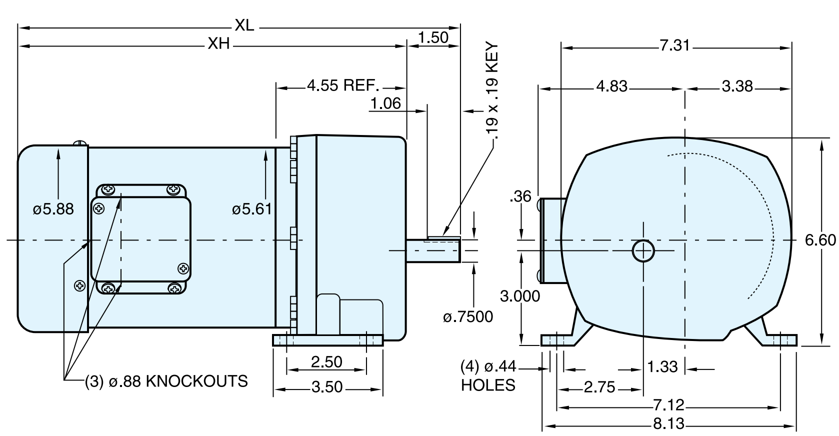
Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) XL	XH	♥Notes
8	1087	1⁄4	108729.00	C/A	1250	4D17NZ43	P1103-48	212	12	21	700	13.74	12.24	S, US
60	238	1⁄4	108730.00	√	1223	4D17NZ44	P1102-48	29	12	21	625	13.74	12.24	S, US
42	705	1⁄2	108731.00	√	1323	4D17FZ52	P1102-48	42	12	40	650	15.99	14.49	S, US
92	320	1⁄2	108732.00	C/A	1323	4D17FZ53	P1102-48	19	12	40	575	15.99	14.49	S, US

C/A - Check Availability

Specifications are subject to change without notice

♥ Note listing on inside back flap

P1100 SERIES - DC



ALL DIMENSIONS IN INCHES

View On-line Technical Information

Gearmotors

Right-Angle DC Gearmotors

SCR Rated - 5-135 In-Lbs. Torque
Low Voltage - 25-135 In-Lbs. Torque

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

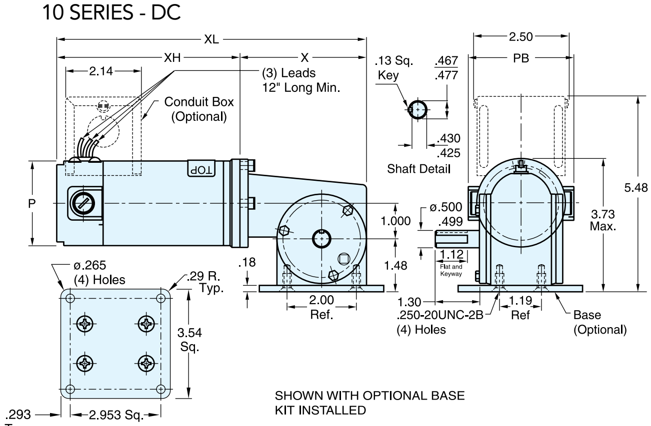
Features:

- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option
- Optional conduit box available
- Optional gearbox base available (10 Series only)

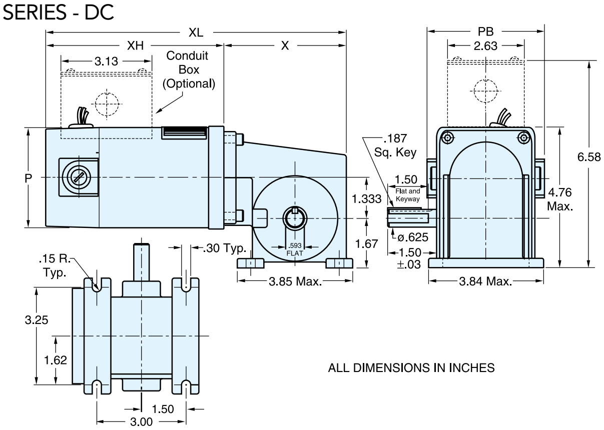
Application Notes:

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

10 SERIES - DC



13 SERIES - DC



LEESON

SCR Rated - 5-135 In-Lbs. Torque & Low Voltage - 25-135 In-Lbs. Torque

90 & 180 Volts - TENV - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
42	22	1/17	M1115018.00	√	556	985.504	10F60-25D	60	90	0.9	185	2.5	3	3.6	8.79	5.19	S, US
62	19	1/17	M1115019.00	√	556	985.505	10F40-25D	40	90	.87	185	2.5	3	3.6	8.79	5.19	S, US
125	16	1/17	M1115020.00	√	556	985.506	10F20-25D	20	90	.85	185	2.5	3	3.6	8.79	5.19	S, US
250	10	1/17	M1115021.00	√	556	985.509	10F10-25D	10	90	1.0	185	2.5	3	3.6	8.79	5.19	S, US
500	5	1/17	M1115022.00	√	556	985.507	10F05-25D	5	90	1.0	185	2.5	3	3.6	8.79	5.19	S, US
42	30	1/12	M1135053.00	√	556	M34D25NZ30	13F60-34A	60	180	0.53	235	3.38	4	4.5	9.64	5.14	S, US
62	35	1/12	M1135054.00	√	556	M34D25NZ31	13F40-34A	40	180	0.53	235	3.38	4	4.5	9.64	5.14	S, US
125	18	1/12	M1135055.00	C/A	556	CM34D25NZ32	13F20-34A	20	180	0.53	235	3.38	4	4.5	9.64	5.14	S, US
250	10	1/12	M1135056.00	C/A	556	M34D25NZ47	13F10-34A	10	180	0.53	235	3.38	4	4.5	9.64	5.14	S, US
500	5	1/12	M1135057.00	C/A	556	M34D25NZ48	13F05-34A	5	180	0.53	235	3.38	4	4.5	9.64	5.14	S, US
42	80	1/8	M1135069.00	√	641	M34D25NZ18	13F60-34C	60	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
62	70	1/8	M1135038.00	√	641	M34D25NZ6	13F40-34C	40	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
62	70	1/8	M1135058.00	√	641	M34D25NZ26	13F40-34C	40	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
125	45	1/8	M1135039.00	√	641	M34D25NZ7	13F20-34C	20	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
125	45	1/8	M1135059.00	√	641	M34D25NZ27	13F20-34C	20	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
250	25	1/8	M1135040.00	√	641	M34D25NZ8	13F10-34C	10	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
250	25	1/8	M1135060.00	√	641	M34D25NZ28	13F10-34C	10	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
500	13	1/8	M1135041.00	√	641	M34D25NZ9	13F05-34C	5	90	1.4	235	3.38	4	4.5	10.64	6.14	S, US
500	13	1/8	M1135061.00	C/A	641	M34D25NZ29	13F05-34C	5	180	0.7	235	3.38	4	4.5	10.64	6.14	S, US
62	135	1/4	M1135042.00	√	691	M34D25NZ10	13F40-34G	40	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
62	135	1/4	M1135062.00	√	691	M34D25NZ33	13F40-34G	40	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
83	125	1/4	M1135043.00	√	691	M34D25NZ11	13F30-34G	30	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
83	125	1/4	M1135063.00	√	691	M34D25NZ34	13F30-34G	30	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
125	90	1/4	M1135044.00	√	691	M34D25NZ12	13F20-34G	20	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
125	90	1/4	M1135064.00	√	691	M34D25NZ35	13F20-34G	20	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
250	50	1/4	M1135045.00	√	691	M34D25NZ13	13F10-34G	10	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
250	50	1/4	M1135065.00	√	691	M34D25NZ36	13F10-34G	10	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US
500	30	1/4	M1135046.00	√	691	M34D25NZ14	13F05-34G	5	90	2.3	235	3.38	4	4.5	12.64	8.14	S, US
500	30	1/4	M1135066.00	√	691	M34D25NZ37	13F05-34G	5	180	1.3	235	3.38	4	4.5	12.64	8.14	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

12 Volts - TENV - Right-Angle Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches)					♥Notes
												P	PB	X	XL	XH	
42	80	1/8	M1135249.00	C/A	654	M34D25NZ158	13F60-34	60	12	11	235	3.38	4.21	4.5	10.39	5.89	S, US
250	25	1/8	M1135250.00	√	654	M34D25NZ159	13F10-34	10	12	11	235	3.38	4.21	4.5	10.39	5.89	S, US
62	135	1/4	M1135251.00	√	700	M34D25NZ160	13F40-34	40	12	21	235	3.38	4.21	4.5	12.64	8.14	S, US
125	90	1/4	M1135252.00	√	700	M34D25NZ161	13F20-34	20	12	21	235	3.38	4.21	4.5	12.64	8.14	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Gearmotors

Bravo™ Series 12 SUB-FHP - DC Right-Angle Gearmotors

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Single piece die cast aluminum alloy housing is vacuum impregnated with Resinon RT for protection and sealing
- Light weight gearbox combines high tensile strength along with being precision machined for alignment of bearings and gearing
- High temperature Nitrile seals for optimum seal life
- Gearbox provided with solid output shaft, but can be converted to a hollow output shaft. Simply remove the solid shaft by removing the Snap rings
- T-base feet provided are removable to convert to face mounting
- Optional conduit box available

Bravo™ Series 12 SUB-FHP - DC Right-Angle Gearmotors

90 Volts - Totally Enclosed - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Full Arm. Volts DC	Load Amps. DC	♥Notes
28	125	1/8	M1135292.00	√	655	M34D17NZ31	TENV	12B60-34D	61	90	1.6	S, US, 12
45	87	1/8	M1135291.00	C/A	655	M34D17NZ30	TENV	12B39-34D	39	90	1.6	S, US, 12
58	158	1/4	M1135290.00	√	692	M34D17FZ7	TEFC	12B30-34G	30	90	2.8	S, US, 13
90	100	1/4	M1135289.00	√	692	M34D17FZ6	TEFC	12B19-34G	19	90	2.6	S, US, 13
115	85	1/4	M1135288.00	C/A	692	M34D17FZ5	TEFC	12B15-34G	15	90	2.6	S, US, 13
167	61	1/4	M1135287.00	√	692	M34D17FZ4	TEFC	12B11-34G	10.6	90	2.6	S, US, 13
250	46	1/4	M1135286.00	√	692	M34D17FZ3	TEFC	12B7-34G	7	90	2.6	S, US, 13

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

12 Volt - TENV - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Enclosure	Gearmotor Type & Frame	Ratio to 1	Full Arm. Volts DC	Load Amps. DC	♥Notes
27	134	1/8	M1135285.00	C/A	681	M34D17NZ29	TENV	12B60-34C	61	12	14	S, US
45	94	1/8	M1135284.00	√	681	M34D17NZ28	TENV	12B39-34C	39	12	15	S, US
58	158	1/4	M1135297.00	C/A	713	M34D17NZ36	TENV	12B30-34F	30	12	24	S, US
90	100	1/4	M1135296.00	C/A	713	M34D17NZ35	TENV	12B19-34F	19	12	24	S, US
115	85	1/4	M1135295.00	√	713	M34D17NZ34	TENV	12B15-34F	15	12	23	S, US
167	61	1/4	M1135294.00	C/A	713	M34D17NZ33	TENV	12B11-34F	10.6	12	21	S, US
250	46	1/4	M1135293.00	C/A	713	M34D17NZ32	TENV	12B7-34F	7	12	23	S, US

C/A - Check Availability

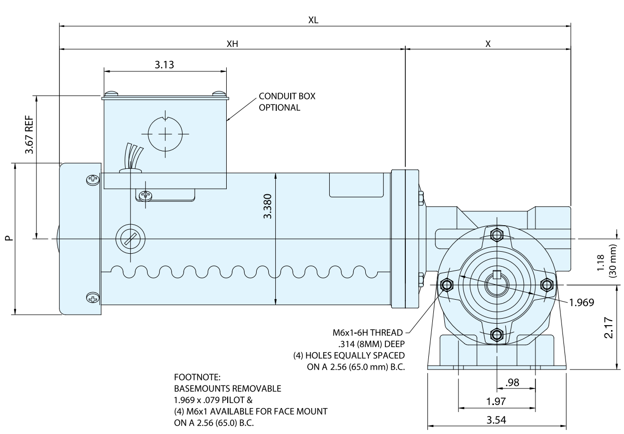
♥ Note listing on inside back flap

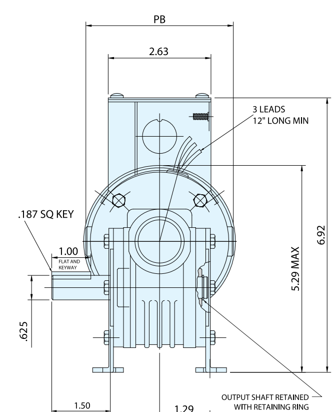
Specifications are subject to change without notice

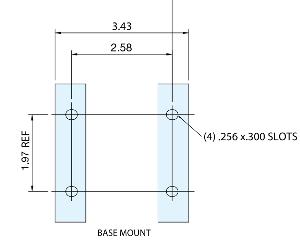
Notes:

1 Conduit box not supplied with the gearmotor. Mounting provisions are provided and can use conduit box kit catalog number M1760007 found on page 179.

2 For solid double output shaft, consult factory.







SCR 90 Volt Rated (IN)

P	X	XL	XH	PB
3.38	4.32	11.07	6.75	4.00
3.38	4.32	11.07	6.75	4.00
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76
3.88	4.32	13.16	8.84	3.76

Low Voltage 12V (IN)

P	X	XL	XH	PB
3.38	4.32	10.57	6.25	4.21
3.38	4.32	10.57	6.25	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21
3.38	4.32	11.82	7.5	4.21

View On-line Technical Information

LEESON

Gearmotors

IP55 Washguard Gearmotors - P300 Series - DC

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:

- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor's stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- USDA Approved white epoxy finish
- Bison/Dayton direct interchange

IP55 Washguard Gearmotors - P300 Series - DC

90 Volts - TENV - P300 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
5	353	1/20	M1125261.00	√	825	M31D17VZ5	P303-31	336	90	0.81	565	3.13	3.8	3.54	10.44	8.94	S, US
31	220	1/8	M1125262.00	√	848	M31D17VZ6	P303-31	58	90	1.6	327	3.13	3.8	3.54	11.94	10.44	S, US
51	130	1/8	M1125263.00	√	784	M31D17VZ7	P302-31	35	90	1.6	277	3.13	3.8	3.54	11.94	10.44	S, US
94	77	1/8	M1125264.00	√	784	M31D17VZ8	P302-31	19	90	1.6	236	3.13	3.8	3.54	11.94	10.44	S, US
167	43	1/8	M1125265.00	√	784	M31D17VZ9	P302-31	11	90	1.6	197	3.13	3.8	3.54	11.94	10.44	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice

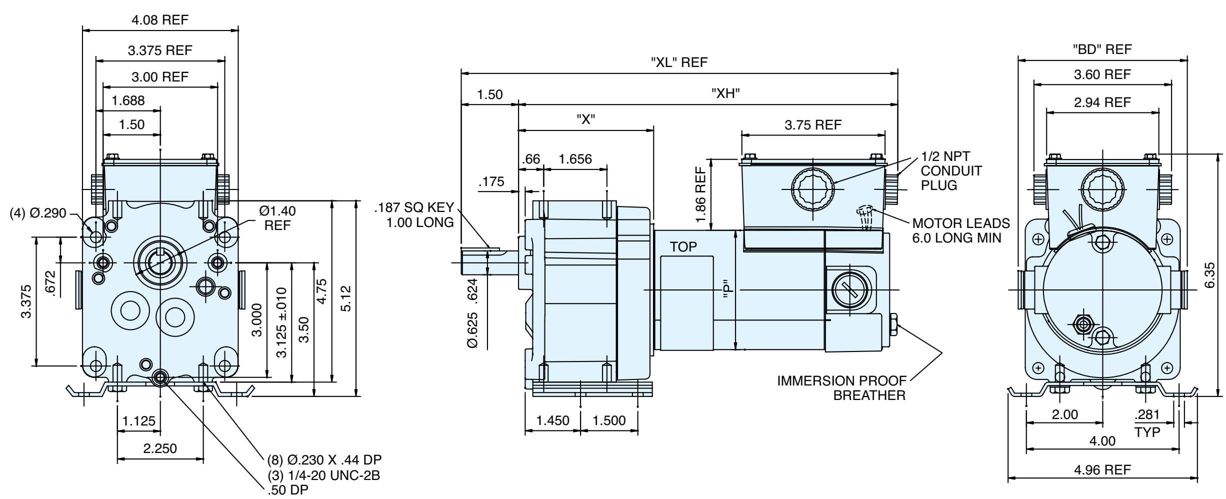
12 Volts - TENV - P300 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
5	353	1/20	M1125266.00	√	848	M31D17VZ10	P303-31	336	12	6.4	565	3.13	3.8	3.54	10.44	8.94	S, US
31	220	1/8	M1125267.00	√	869	M31D17VZ11	P303-31	58	12	11	327	3.13	4.43	3.54	11.44	9.94	S, US

C/A - Check Availability

♥ Note listing on inside back flap

Specifications are subject to change without notice



Gearmotors

IP55 Washguard Gearmotors - PE350 - DC

General Specifications - SCR Rated Gearmotors:
- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:
- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:
- Gearbox output shafts are coated with Mirolon 3300 fortified Teflon for superior corrosion resistance
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Gearbox Shafts are hardened steel
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover

Application Notes:
- Extended life in wet, high humidity applications
- Design repels water from entering motor
- Internal components protected against rust and corrosion
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Motor’s stall torque could exceed recommended full load torques. A current limiting device such as an SCR control should be used to prevent damage. This issue is even more critical for low voltage motors, typically no controller is used since motor is connected directly to a battery, so some type of current limit or fusing should be considered
- USDA Approved white epoxy finish
- Bodine/Baldor direct interchange

IP55 Washguard Gearmotors - PE350 - DC

90 Volts - TENV - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
14	341	1/8	M1125268.00	√	854	M31D25VZ1	P353-31	180	90	1.5	465	3.13	3.8	3.45	11.84	9.84	S, US
42	280	1/4	M1125269.00	√	884	M32D25VZ1	P353-32	58	90	2.6	327	3.25	3.8	3.45	13.84	11.84	S, US
83	155	1/4	M1125270.00	√	861	M32D25VZ2	P353-32	29	90	2.6	267	3.25	3.8	3.45	13.84	11.84	S, US
250	45	1/4	M1125271.00	√	861	M32D25VZ3	P352-32	10	90	2.6	201	3.25	3.8	3.45	13.84	11.84	S, US
500	25	1/4	M1125272.00	√	861	M32D25VZ4	P352-32	5	90	2.6	194	3.25	3.8	3.45	13.84	11.84	S, US

Specifications are subject to change without notice

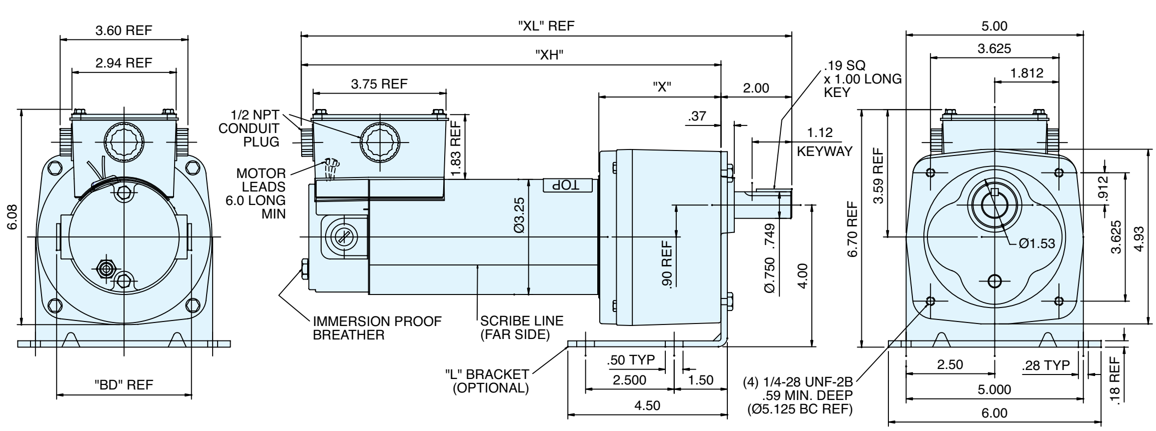
♥ Note listing on inside back flap

12 Volts - TENV - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
14	341	1/8	M1125273.00	√	876	M31D25VZ2	P353-31	180	12	12	465	3.13	4.43	3.45	11.58	9.58	S, US
42	325	1/4	M1125274.00	√	925	M32D25VZ5	P353-32	58	12	20	327	3.25	4.43	3.45	13.84	11.84	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap



Gearmotors

IP55 Washguard Gearmotors - Right Angle - DC

General Specifications - SCR Rated Gearmotors:

- Performance matched for continuous duty service over 60:1 speed range
- Constant torque throughout the range when powered by a full-wave unfiltered SCR-type adjustable speed control having a typical form factor of 1.3 to 1.4

General Specifications - Low Voltage Gearmotors:

- Performance matched for continuous duty service
- Designed for battery power or can be used with a low voltage controller with form factor up to 1.05

Features:

- 303 Stainless Steel gearbox output shaft
- Frame, endshields, armature and interior components protected by enamel and polyester compounds for resistance to moisture, acids, alkalies and oil
- Cast conduit box with threaded conduit holes and Nitrile gaskets keep water out
- Conduit box cover is made from 304 stainless steel
- For any condensation that may accumulate inside the motor, a one-way stainless steel vapor vent is provided
- All hardware is stainless steel
- Painted with white epoxy for superior corrosion resistance and protection
- Machined fits between the endbells and motor frame are sealed with gaskets
- Thru-bolt heads and nuts sealed with fiber washers
- O-rings under each threaded brush cover
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option

Application Notes:

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8" NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

IP55 Washguard Gearmotors - Right Angle - DC

90 Volt - TENV - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
42	80	1⁄8	M1125275.00	√	854	M31D25VZ3	13F60-31	60	90	2.2	235	3.13	3.8	4.5	10.86	6.36	S, US
250	25	1⁄8	M1125276.00	√	854	M31D25VZ4	13F10-31	10	90	2.2	235	3.13	3.8	4.5	10.86	6.36	S, US
62	135	1⁄4	M1125277.00	√	861	M32D25VZ6	13F40-32	40	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US
125	90	1⁄4	M1125278.00	√	861	M32D25VZ7	13F20-32	20	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US
250	50	1⁄4	M1125279.00	√	861	M32D25VZ8	13F10-32	10	90	3.7	235	3.25	3.8	4.5	12.86	8.36	S, US

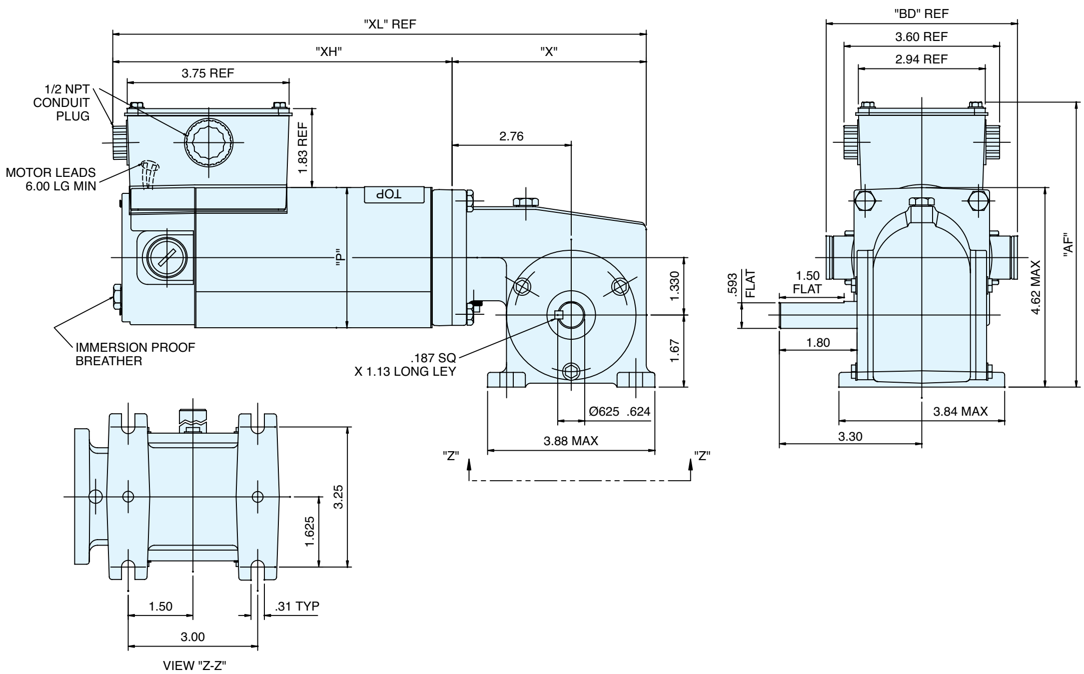
Specifications are subject to change without notice ♥ Note listing on inside back flap

12 Volts - TENV - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Arm. Volts DC	F.L. Amps DC	Over-hung Load (lb.)	Dimensions (inches) P	PB	X	XL	XH	♥Notes
62	135	1⁄4	M1125280.00	√	818	M32D25VZ9	13F40-32	40	12	28	235	3.25	4.43	4.5	12.36	7.86	S, US
125	90	1⁄4	M1125281.00	√	818	M32D25VZ10	13F20-32	20	12	28	235	3.25	4.43	4.5	12.36	7.86	S, US

Specifications are subject to change without notice ♥ Note listing on inside back flap

13 SERIES - DC



Gearmotors

Parallel Shaft - SUB-FHP - AC Gearmotors

12-100 In-Lbs. Output Torque

Features:
- Permanent split capacitor design rated for 115VAC 60 HZ input
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box and PZ gearmotor mounting bracket available

Application Notes:
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- The motor's stall torque could exceed recommended full load torques causing gearhead damage, especially in ratios of 60:1 and higher. Provisions to limit the torque are recommended
- The torque values listed are the recommended full load torque values
- Overhung load capacities shown are at center of output shaft
- Boehm, Bison 100 gearmotors, and a number of Dayton gearmotors
- For additional information, see Bulletin 1830
- All PZ Series gearmotors are supplied with continuous duty "run" capacitor
- Optional conduit box available
- For additional information, see Bulletin 1830
- **Bodine/Bison/Dayton direct interchange**

LEESON

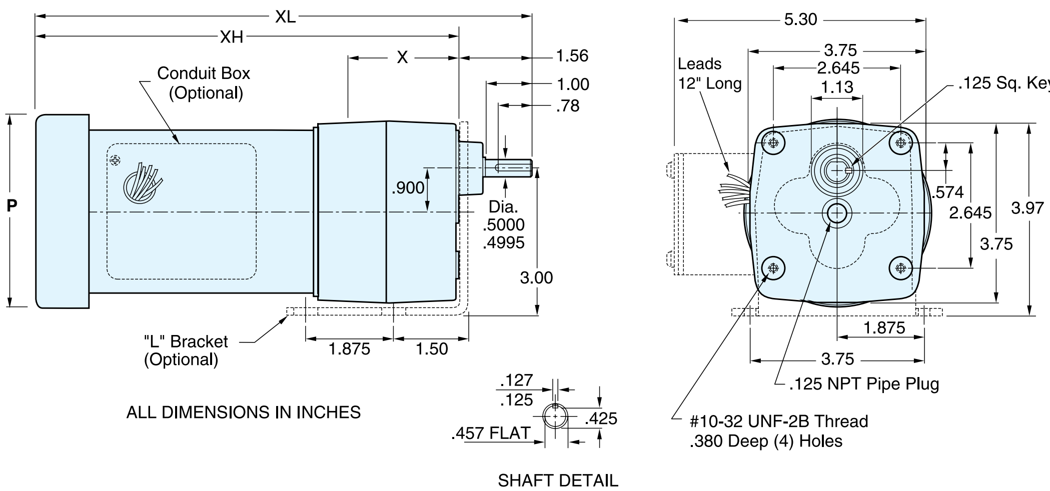
115 Volts - TEFC - Single Phase

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	Capacitor Mfd. 240 VAC	♥Notes
2	100	1/150	M1125050.00	√	517	M31P17NZ1	PZ5-31	900	0.4	155	3.07	3.23	8.71	7.15	3	S, US, 12
9	100	1/15	M1125127.00	√	517	M31P17FZ1	PZ4-31	180	0.9	155	3.88	3.23	10.42	8.86	10	S, US, 13
19	100	1/15	M1125128.00	√	517	M31P17FZ2	PZ4-31	90	0.9	155	3.88	3.23	10.42	8.86	10	S, US, 13
28	100	1/15	M1125129.00	√	517	M31P17FZ3	PZ3-31	60	0.9	155	3.88	2.43	9.62	8.06	10	S, US, 13
57	56	1/15	M1125130.00	√	497	M31P17FZ4	PZ3-31	30	0.9	171	3.88	2.43	9.62	8.06	10	S, US, 13
94	36	1/15	M1125131.00	√	497	M31P17FZ5	PZ3-31	18	0.9	171	3.88	2.43	9.62	8.06	10	S, US, 13
142	24	1/15	M1125132.00	√	481	M31P17FZ6	PZ2-31	12	0.9	180	3.88	2.13	9.32	7.76	10	S, US, 13
283	12	1/15	M1125133.00	√	481	M31P17FZ7	PZ2-31	6	0.9	180	3.88	2.13	9.32	7.76	10	S, US, 13

Specifications are subject to change without notice

♥ Note listing on inside back flap

PZ SERIES - AC



View On-line Technical Information

Gearmotors

P240 Series - SUB-FHP - AC Gearmotors
Output Torque - 43-391 In-Lbs.

Features:

- Permanent split capacitor design rated for 115/230VAC 60/50 HZ input
- Precision machined in-line steel gears
- First stage steel helical gear followed by spur-type gears
- Lubrication is permanent semi-fluid grease, reducing possibility of leakage
- Output shafts have needle bearings for high load capacities
- Shafts are hardened steel
- Optional conduit box available

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- The motor's stall torque could exceed recommended full load torques causing gearhead damage, especially in ratios of 60:1 and higher. Provisions to limit the torque are recommended
- Overhung load capacities shown are at center of output shaft
- All P240 Series gearmotors are supplied with continuous duty "run" capacitor
- For additional information, see Bulletin 1830
- Bison/Dayton direct interchange

P240 Series - SUB-FHP - AC Gearmotors
Output Torque - 43-391 In-Lbs.

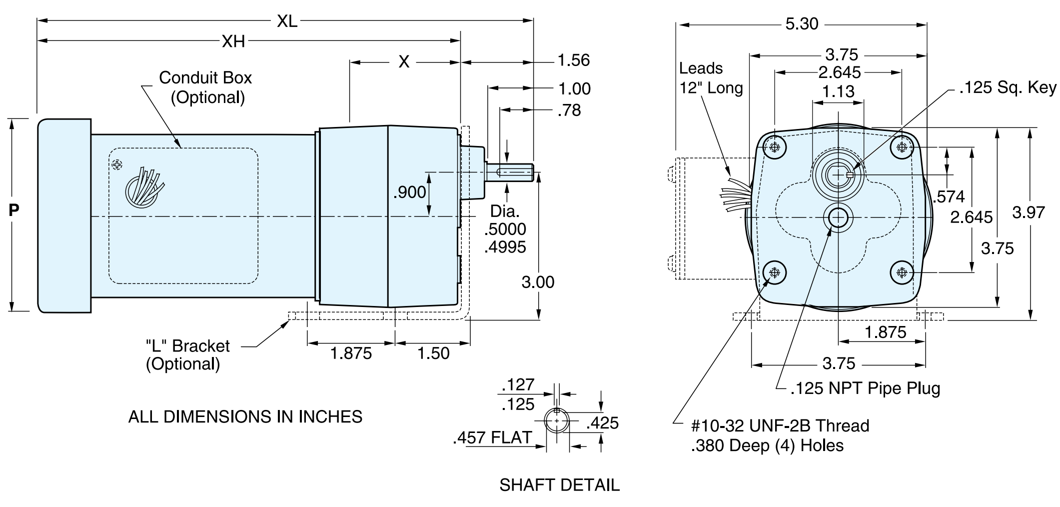
Single Phase - 115/230 Volts - Totally Enclosed - P240 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	Capacitor Mfd. 240 VAC	♥Notes
8	345	1⁄15	M1145029.00	√	772	M38P17NZ26	P243-38D	216	1	491	3.85	3.5	10.46	8.96	7.5	S, US, 13
15	250	1⁄15	M1145023.00	√	772	M38P17NZ20	P243-38D	114	1	407	3.85	3.5	10.46	8.96	7.5	S, US, 13
16	391	1⁄6	M1145030.00	√	839	M38P17FZ9	P243-38F	103	2.1	399	4.43	3.5	12.13	10.63	15	S, US, 12
30	135	1⁄15	M1145024.00	√	702	M38P17NZ21	P242-38D	52	1	330	3.85	3.5	10.46	8.96	7.5	S, US, 13
30	295	1⁄6	M1145031.00	√	839	M38P17FZ10	P243-38F	58	2.1	330	4.43	3.5	12.13	10.63	15	S, US, 12
40	219	1⁄6	M1145032.00	√	839	M38P17FZ11	P243-38F	43	2.1	303	4.43	3.5	12.13	10.63	15	S, US, 12
45	92	1⁄15	M1145025.00	√	702	M38P17NZ22	P242-38D	35	1	292	3.85	3.5	10.46	8.96	7.5	S, US, 13
60	157	1⁄6	M1145033.00	√	769	M38P17FZ12	P242-38D	29	2.1	268	4.43	3.5	12.13	10.63	15	S, US, 12
70	61	1⁄15	M1145026.00	√	702	M38P17NZ23	P242-38D	23	1	256	3.85	3.5	10.46	8.96	7.5	S, US, 13
90	103	1⁄6	M1145034.00	√	769	M38P17FZ13	P242-38D	19	2.1	237	4.43	3.5	12.13	10.63	15	S, US, 12
97	43	1⁄15	M1145027.00	√	702	M38P17NZ24	P242-38D	16.5	1	232	3.85	3.5	10.46	8.96	7.5	S, US, 13
139	30	1⁄15	M1145028.00	√	702	M38P17NZ25	P242-38D	11.5	1	208	3.85	3.5	10.46	8.96	7.5	S, US, 13
156	60	1⁄6	M1145035.00	√	769	M38P17FZ14	P242-38D	10.6	2.1	201	4.43	3.5	12.13	10.63	15	S, US, 12

Specifications are subject to change without notice

♥ Note listing on inside back flap

PZ SERIES - AC



View On-line Technical Information

Gearmotors

P240 Series - SUB-FHP - AC Gearmotors

IP55 AC Washguard Gearmotors

General Specifications - SCR Rated Gearmotors:
Single and Three-phase washdown duty gearmotors rated for continuous duty applications. Permanent split designed single-phase motors include capacitor in conduit box. Motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Avoid shaft up applications, with motor below, should shaft seal fail.

Features:
- 304 Stainless steel external shafts
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened Worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified

IP55 AC Washguard Gearmotors

P240 Series - SUB-FHP - AC Gearmotors

115/230 Volts - 1 & 3-Phase - TEFC - P240 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	F.L. Amps 230 V	Phase	♥Notes
16	391	5/32	M1145138.00	√	880	M38P17FZ39	P240	103	115/230	1.05	1	S, US
40	219	5/32	M1145139.00	√	880	M38P17FZ40	P240	43	115/230	1.0	1	S, US
156	60	5/32	M1145140.00	√	807	M38P17FZ41	P240	10.6	115/230	1.0	1	S, US
16	391	1/6	M1145144.00	√	880	M38T17FZ20	P240	103	230	.72	3	S, US
30	295	1/6	M1145145.00	√	880	M38T17FZ21	P240	58	230	.72	3	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Gearmotors

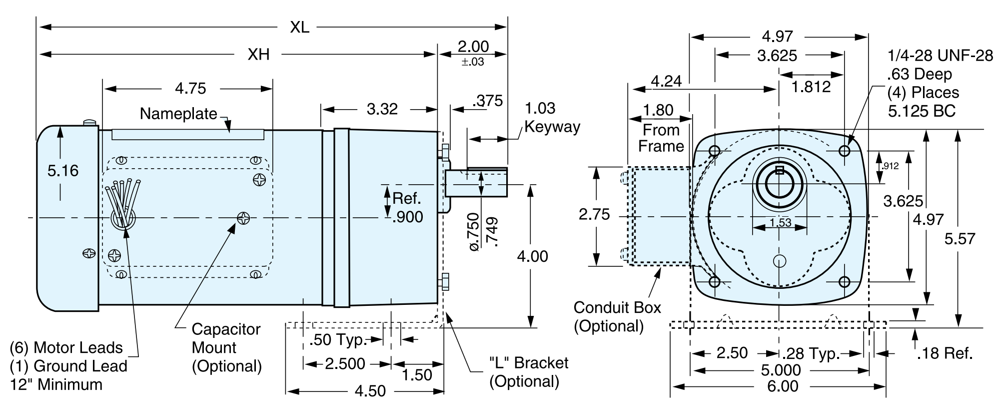
PE350 Series - Parallel Shaft - AC Gearmotors

Output Torque - 25-341 In-Lbs

Features:

- All rated for 60/50 Hz operation except hi-torque single-phase which are 60 Hz only
- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Run capacitor supplied at no additional cost for single phase designs
- Three phase and hi-torque single phase models include conduit box, other single phase models do not
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Optional conduit box available
- Bodine/Baldor/Boehm direct interchange

PE350 SINGLE PHASE



LEESON

PE350 Series - Parallel Shaft - AC Gearmotors

Output Torque - 25-341 In-Lbs

Single Phase - 115/230 Volts - TEFC - PE350 Series - Parallel Shaft

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	Capacitor Mfd. 240 VAC	♥Notes
5	310	1/12	096000.00	√	735	42P17NZ1	PE353-42	336	1.3	565	11.36	9.36	10	S, US, 12
9	341	1/12	096001.00	√	735	42P17NZ2	PE353-42	180	1.3	491	11.36	9.36	10	S, US, 12
14	330	1/12	096002.00	√	735	42P17NZ3	PE353-42	124	1.3	459	11.36	9.36	10	S, US, 12
19	250	1/12	096003.00	√	735	42P17NZ4	PE353-42	91	1.3	374	11.36	9.36	10	S, US, 12
29	270	1/6	096004.00	√	772	42P17FZ1	PE353-42	58	3.2	327	13.32	11.32	15	S, US, 13
34	250	1/6	096005.00	√	772	42P17FZ2	PE353-42	50	3.2	330	13.32	11.32	15	S, US, 13
40	180	1/6	096006.00	√	772	42P17FZ3	PE353-42	43	3.2	303	13.32	11.32	15	S, US, 13
59	135	1/6	096007.00	√	730	42P17FZ4	PE352-42	29	3.2	267	13.32	11.32	15	S, US, 13
75	90	1/6	096008.00	√	730	42P17FZ5	PE352-42	23	3.2	256	13.32	11.32	15	S, US, 13
113	68	1/6	096009.00	√	730	42P17FZ6	PE352-42	15	3.2	222	13.32	11.32	15	S, US, 13
160	45	1/6	096010.00	√	730	42P17FZ7	PE352-42	10	3.2	196	13.32	11.32	15	S, US, 13
340	25	1/6	096011.00	√	730	42P17FZ8	PE352-42	5	3.2	190	13.32	11.32	15	S, US, 13
Hi-Torque Single Phase PE350 Gearmotors With Capacitor Start Motors														
58	320	1/3	096049.00	√	855	42C17FZ4	PE353-42	30	7.2	300	14.56	12.56	…	S, US, 13
85	218	1/3	096050.00	√	803	42C17FZ5	PE353-42	20	7.2	300	14.56	12.56	…	S, US, 13
173	109	1/3	096051.00	√	803	42C17FZ6	PE353-42	10	7.2	300	14.56	12.56	…	S, US, 13
345	55	1/3	096052.00	√	803	42C17FZ7	PE353-42	5	7.2	300	14.56	12.56	…	S, US, 13

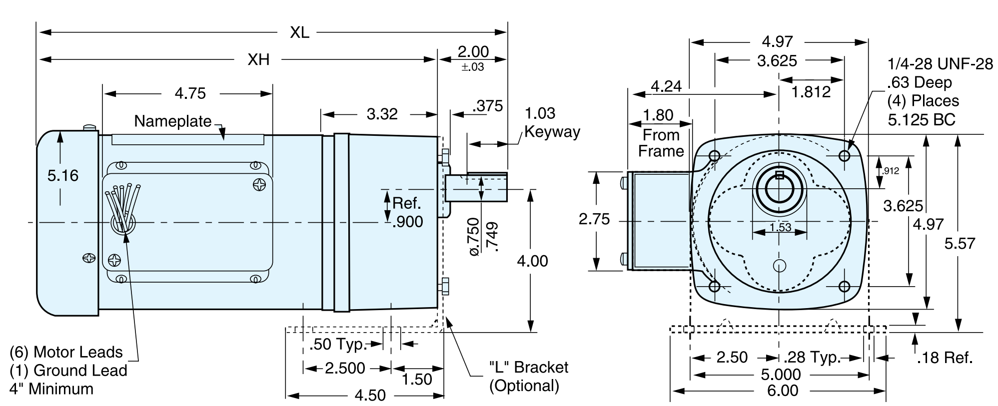
Specifications are subject to change without notice ♥ Note listing on inside back flap

Three Phase - 230/460 Volt - PE350 Series - Parallel Shaft - TEFC

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	Capacitor Mfd. 240 VAC	♥Notes
58	320	1/3	096013.00	√	849	42T17FZ14	PE353-42	30	1.6	300	13.81	11.81	S, US	S, US, 12
85	218	1/3	096014.00	√	797	42T17FZ15	PE352-42	20	1.6	300	13.81	11.81	S, US	S, US, 12
173	109	1/3	096015.00	√	797	42T17FZ16	PE352-42	10	1.6	300	13.81	11.81	S, US	S, US, 12
345	55	1/3	096016.00	√	797	42T17FZ17	PE352-42	5	1.6	300	13.81	11.81	S, US	S, US, 12

Specifications are subject to change without notice ♥ Note listing on inside back flap

PE350 THREE PHASE



View On-line Technical Information

LEESON

Gearmotors

P1100 Series - AC Gearmotors - Parallel Shaft

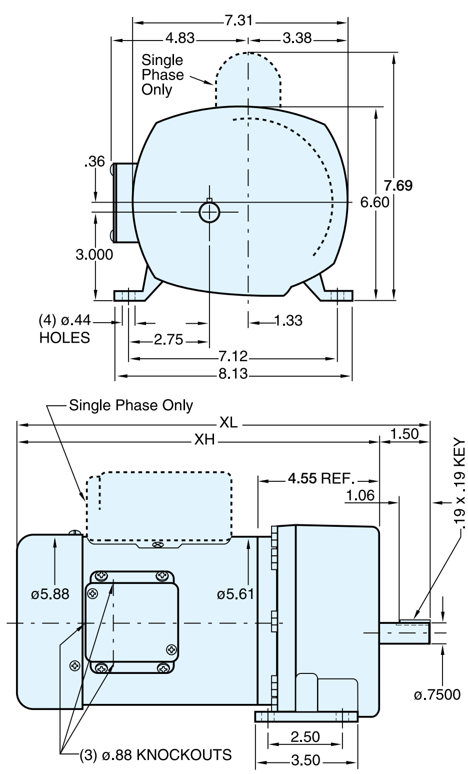
Output Torque - 70-1105 In-Lbs

Features:

- Permanent split capacitor design rated for 115/230VAC 60/50 HZ input
- Rugged die cast aluminum gear housing for maximum gear and bearing support
- Precision machined gearing, hardened for maximum load capability
- All gearing designed and rated to AGMA class 9 standards, and to withstand momentary shock overload of 200%
- Oversized output bearings for greater overhung load capacity and long life
- High carbon alloy output shaft provides maximum strength and rigidity
- All needle bearing journals are precision ground after heat treating to provide maximum fit and finish
- Heavy duty industrial oil seals keep lubricant in and dirt out
- Gears and bearings are splash lubricated with permanent, heavy duty gear oil
- Conduit box included as standard

Application Notes:

- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830
- **Bison/Dayton direct interchange**



LEESON

Single Phase - 115/230 Volt - TEFC - P1100 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
8	975	¼	107000.00	√	1037	4C17FZ25	P1103-48	212	5.4	700	13.42	11.92	S, US
12	1030	¼	107004.00	√	1037	4C17FZ29	P1103-48	143	5.4	700	13.42	11.92	S, US
18	800	¼	107003.00	√	1037	4C17FZ28	P1103-48	95	5.4	700	13.42	11.92	S, US
26	569	¼	107002.00	√	1037	4C17FZ27	P1103-48	66	5.4	650	13.42	11.92	S, US
59	248	¼	107005.00	√	1014	4C17FZ30	P1102-48	29	5.4	625	13.42	11.92	S, US
133	114	¼	107001.00	√	1014	4C17FZ26	P1102-48	13	5.4	525	13.42	11.92	S, US
18	1089	⅓	107006.00	√	1049	4C17FZ31	P1103-48	95	6.2	700	13.67	13.17	S, US
26	752	⅓	107012.00	√	1049	4C17FZ37	P1103-48	66	6.2	650	13.67	13.17	S, US
41	461	⅓	107011.00	√	1027	4C17FZ36	P1102-48	42	6.2	650	13.67	13.17	S, US
59	330	⅓	107010.00	√	1027	4C17FZ35	P1102-48	29	6.2	625	13.67	13.17	S, US
91	224	⅓	107009.00	√	1027	4C17FZ34	P1102-48	19	6.2	575	13.67	13.17	S, US
157	125	⅓	107008.00	√	1027	4C17FZ33	P1102-48	11	6.2	500	13.67	13.17	S, US
288	70	⅓	107007.00	√	1027	4C17FZ32	P1102-48	6	6.2	400	13.67	13.17	S, US
22	1105	½	107013.00	√	1143	4C17FZ38	P1103-48	79	8.8	700	14.17	12.67	S, US
41	700	½	107017.00	√	1120	4T17FZ39	P1102-48	42	8.8	650	14.17	12.67	S, US
59	496	½	107016.00	√	1120	4C17FZ41	P1102-48	29	8.8	625	14.17	12.67	S, US
91	336	½	107015.00	√	1120	4C17FZ40	P1102-48	19	8.8	575	14.17	12.67	S, US
133	229	½	107014.00	√	1120	4C17FZ39	P1102-48	13	8.8	525	14.17	12.67	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

Three Phase - 230/460 Volt - TEFC - P1100 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) XL	Dimensions (inches) XH	♥Notes
18	1089	⅓	107025.00	√	1117	4T17FZ53	P1103-48	95	1.6	700	12.92	11.42	S, US
26	752	⅓	107026.00	√	1117	4T17FZ54	P1103-48	66	1.6	650	12.92	11.42	S, US
41	461	⅓	107027.00	√	1091	4T17FZ55	P1102-48	42	1.6	650	12.92	11.42	S, US
59	330	⅓	107028.00	√	1091	4T17FZ56	P1102-48	29	1.6	625	12.92	11.42	S, US
91	224	⅓	107029.00	√	1091	4T17FZ57	P1102-48	19	1.6	575	12.92	11.42	S, US
157	125	⅓	107030.00	√	1091	4T17FZ58	P1102-48	11	1.6	500	12.92	11.42	S, US
288	70	⅓	107031.00	√	1091	4T17FZ48	P1102-48	6	1.6	400	12.92	11.42	S, US
22	1105	½	107032.00	√	1177	4T17FZ49	P1103-48	79	2	700	13.42	11.92	S, US
41	700	½	107033.00	√	1160	4T17FZ50	P1102-48	42	2	650	13.42	11.92	S, US
59	496	½	107034.00	√	1160	4T17FZ51	P1102-48	29	2	625	13.42	11.92	S, US
91	336	½	107035.00	√	1160	4T17FZ52	P1102-48	19	2	575	13.42	11.92	S, US
133	229	½	107036.00	√	1160	4T17FZ46	P1102-48	13	2	500	13.42	11.92	S, US
288	100	½	107037.00	√	1160	4C17NZ9	P1102-48	6	2	400	13.42	11.92	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

Gearmotors

Right-Angle - AC Gearmotors

Output Torque - 14-113 In-Lbs

Features:

- Permanent split capacitor design rated for 115/230VAC 60/50 HZ input
- Worm-type right-angle gearing features hardened, steel worm with bronze worm wheel for long life and quiet operation
- Precision machined aluminum gear housing
- Lubrication is permanent with an oil bath
- Gearbox has all ball bearings
- Output shaft is field interchangeable from left hand to right hand style by reassembly
- Double output shaft available as a factory option
- Optional conduit box available
- Optional gearbox base available (10 Series only)

Application Notes:

- These right-angle gearmotors have a lubrication breather positioned for horizontal mounting. For other mountings, the breather plug must be reoriented by using a 90 deg 1/8″ NPT taper pipe elbow (See drawing). Elbow not available from LEESON
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- Continuous duty run capacitor supplied as standard
- For additional information, see Bulletin 1830
- Bodine/Dayton direct interchange

Single Phase - 115/230 Volt - Totally Enclosed - Right-Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 115	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	Capacitor Mfd. 240 VAC	♥Notes
28	37	1/15	M1125080.00	√	637	M31P17NZ19	10F60-31C	60	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
43	34	1/15	M1125081.00	√	637	M31P17NZ18	10F40-31C	40	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
58	40	1/15	M1125082.00	√	637	M31P17NZ17	10F30-31C	30	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
85	24	1/15	M1125083.00	√	637	M31P17NZ16	10F20-31C	20	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
173	14	1/15	M1125084.00	√	637	M31P17NZ15	10F10-31C	10	0.9	185	3.07	3.63	8.94	5.31	10.0¤	S, US, 12
29	110	1/6	M1145037.00	√	864	M38P17FZ16	13F60-38F	60	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
43	113	1/6	M1145038.00	√	864	M38P17FZ17	13F40-38F	40	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
57	95	1/6	M1145082.00	√	864	M38P17FZ23	13F30-38F	30	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
83	75	1/6	M1145039.00	√	864	M38P17FZ18	13F20-38F	20	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
170	43	1/6	M1145040.00	√	864	M38P17FZ19	13F10-38F	10	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13
340	23	1/6	M1145041.00	√	864	M38P17FZ20	13F05-38F	5	2	235	3.85	4.5	12.31	7.81	15.0¢	S, US, 13

¤ 250 VAC
¢ 300 VAC

♥ Note listing on inside back flap

Specifications are subject to change without notice

View On-line Technical Information

Gearmotors

IP55 AC Washguard Gearmotors
Right Angle - Single & Three Phase -

General Specifications:
Single and Three-phase washdown duty gearmotors rated for continuous duty applications. Permanent split designed single-phase motors include capacitor in conduit box. Motors are designed for extended life in applications requiring regular washdown or otherwise wet environments. Avoid shaft up applications, with motor below, should shaft seal fail.

Features:
- 304 Stainless steel external shafts
- White epoxy painted motors
- O-rings and gaskets used for sealing
- Hardened Worm-type gearing used
- Interior components protected against corrosion
- Ball bearings used in gear housing
- Sealed output shafts
- Output shafts have needle bearings for high load capacities
- UL listed and CSA certified

Single & Three Phase - TEFC - Right Angle

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	Voltage	F.L. Amps 230 V	Phase	♥Notes
43	113	1/6	M1145141.00	√	669	M38P17FZ42	Right-Angle	40	115/230	1.0	1	S, US
83	75	1/6	M1145142.00	√	907	M38P17FZ43	Right-Angle	20	115/230	1.0	1	S, US
340	23	1/6	M1145143.00	√	907	M38P17FZ44	Right-Angle	5	115/230	1.0	1	S, US
29	220	1/6	M1145146.00	√	907	M38T17FZ22	Right-Angle	60	230	1.3	3	S, US
172	105	1/6	M1145147.00	√	907	M38T17FZ23	Right-Angle	10	230	1.3	3	S, US

Specifications are subject to change without notice

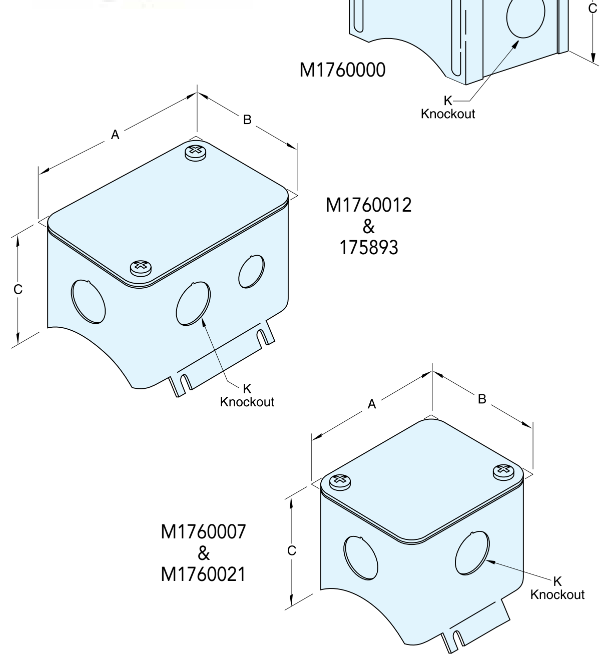
♥ Note listing on inside back flap

Gearmotors

SUB-FHP Accessories

SUB-FHP Gearmotor Conduit Boxes

Optional steel conduit or junction boxes are available. The boxes are painted and mount in holes using screws provided with all stock gearmotors.



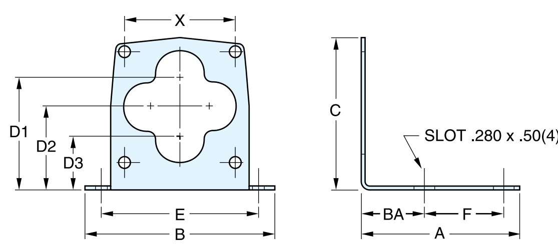
Catalog Number	Frame	List Price	Dimensions (inches)			
			A	B	C	K
M1760000.00*	25	40	2.09	2.45	2.23	0.875
M1760021.00*	30/31	40	3.13	2.63	2.28	0.875
M1760007.00	34	40	3.13	2.63	2.28	0.875
M1760012.00	38	42	4.75	2.75	2.00	1.125
175893.00	42	42	4.75	2.75	2.00	1.125

Note: * For any gearmotor catalog number beginning with M1115XXX, must clarify from gearmotor type and frame columns as listed on catalog pages 301, 303 and 311. For example, if gearmotor type and frame lists P303-30E, then use 30 frame conduit box kit M1760021. If gearmotor type and frame lists 10F60-25, then use conduit box kit M1760000.

Specifications are subject to change without notice

SUB-FHP Gearmotor "L" Mounting Bracket

Optional "L" brackets can be used to mount parallel shaft type PZ or PE350 gearmotors. Of steel construction, they are painted and include screws for mounting to the motor, but not the application.



Catalog Number	Frame	List Price	Dimensions (inches)									
			A	B	C	1D1	1D2	1D3	X	BA	F	E
M1760003.00*	PZ Gearmotors	51	3.75	4.5	3.935	3	2.25	1.5	2.645	1.5	1.875	3.75
M1760011.00**	PE350 Gearmotors	61	4.5	6	5.52	4	3.1	2.2	3.625	1.5	2.5	5.00
M1760029.00Δ	PE350 Gearmotors	64	4.5	6	5.52	4	3.1	2.2	3.625	1.5	2.5	5.00

* Maximum radial load no greater than 50 lbs. This bracket can also be used on DC motors in the 34 frame having the style C mounting.
**Maximum radial load no greater than 200 lbs.
Δ Washguard PE350 L-Bracket

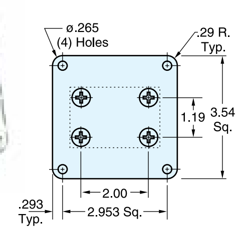
Specifications are subject to change without notice

SUB-FHP Gearmotor Right-Angle Base Kit

This Optional Base Kit can be used with the 10 Series right-angle gearmotors. (Includes screws for mounting to gearbox, but not the application.)

Catalog Number	List Price
M1760006.00	$55

Specifications are subject to change without notice



For SUB-FHP Right-Angle AC Gearmotors

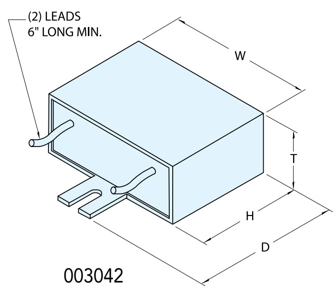
MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
				W	H	T	D
10	250	3043.05	47	1.89	1.14	0.75	1.14
15	300	3042.05	52	2.28	1.61	1.14	2.48

For SUB-FHP P240 & PE350 AC Gearmotors

Gearmotor Type	MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
					W	H	T	D
P240	7.5	250	3042.02	52	1.89	1.14	0.75	2.01
PE350	10	250	3042.06	47	1.89	1.24	0.89	2.11
P240	15	300	3042.05	52	2.28	1.61	1.14	2.48
PE350	15	250	3042.04	60	2.28	1.46	0.93	2.33

For SUB-FHP AC PZ Series gearmotors

MFD Rating	Voltage Rating	Catalog Number	List Price	Dimensions (inches)			
				W	H	T	D
3	250	3043.01	52	1.22	0.93	0.57	0.97
10	250	3043.05	47	1.89	1.14	0.75	1.14



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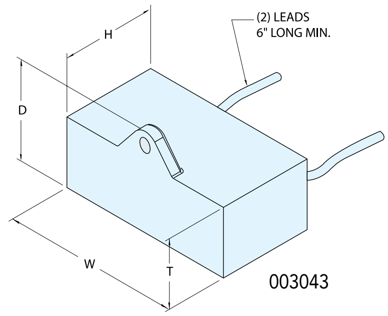

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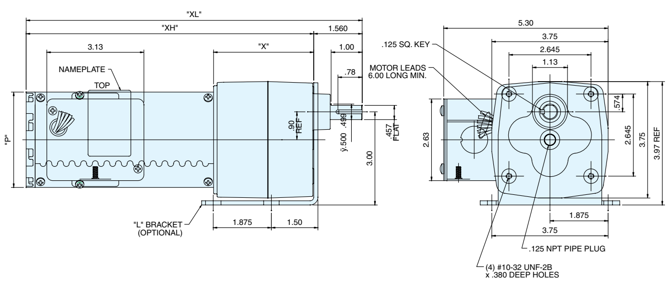
Gearmotors

Inverter Rated - PZ Series - AC Gearmotors

Features:
- Designed with the exclusive Inverter Rated Insulation System (IRIS)
- Provides superior protection against voltage spikes induced by variable frequency drives
- Double shielded motor ball bearings
- Needle bearings in the parallel shaft gearboxes
- Ball bearings in the Right angle (worm) gearboxes
- Steel conduit box provided as Standard.
- Finished in high gloss hardened black enamel paint

Application Notes:
- Designed with high temperature insulation (Class F) to prevent overheating when operated with a PWM inverter down to a 10:1 speed range from the printed Gearmotor RPM
- These gearmotors are designed for mounting at any angle, but motor below the reducer should be avoided to prevent leakage of lubricant into the motor should the motor shaft seal fail
- Overhung load capacities shown are at center of output shaft
- For additional information, see Bulletin 1830

PZ SERIES – AZ



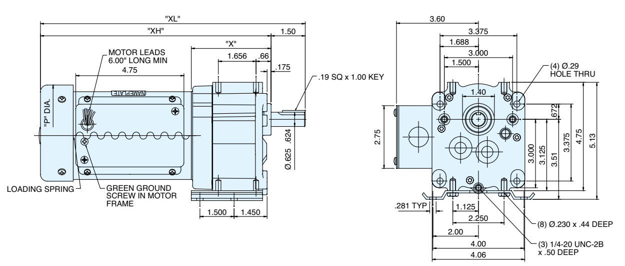
Three Phase - 230 Volt - TEFC - PZ Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 230	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
19	100	1/15	M1125282.00	√	662	M31T17NZ26	PZ4-31	90	0.4	155	3.07	3.23	10.83	9.27	S, US
57	56	1/15	M1125283.00	√	597	M31T17NZ27	PZ3-31	30	0.4	171	3.07	2.43	10.03	8.47	S, US
142	24	1/15	M1125284.00	√	549	M31T17NZ28	PZ2-31	12	0.4	180	3.07	2.13	9.73	8.17	S, US
283	12	1/15	M1125285.00	√	549	M31T17NZ29	PZ2-31	6	0.4	180	3.07	2.13	9.73	8.17	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

P240 SERIES – AC



Three Phase - 230 Volt - TEFC - P240 Series

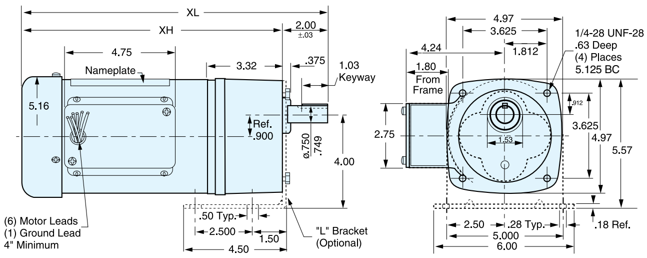
Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 230	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
16	391	1/6	M1145122.00	√	669	M38T17FZ12	P243-38	103	0.72	399	4.43	3.5	11.63	10.13	S, US
30	295	1/6	M1145123.00	√	669	M38T17FZ14	P243-38	58	0.72	330	4.43	3.5	11.63	10.13	S, US
60	157	1/6	M1145124.00	√	618	M38T17FZ15	P242-38	29	0.72	268	4.43	3.5	11.63	10.13	S, US
90	103	1/6	M1145125.00	√	618	M38T17FZ16	P242-38	19	0.72	330	4.43	3.5	11.63	10.13	S, US
156	60	1/6	M1145126.00	√	618	M38T17FZ17	P242-38	10.6	0.72	330	4.43	3.5	11.63	10.13	S, US

Specifications are subject to change without notice

♥ Note listing on inside back flap

View On-line Technical Information

PE350 THREE PHASE

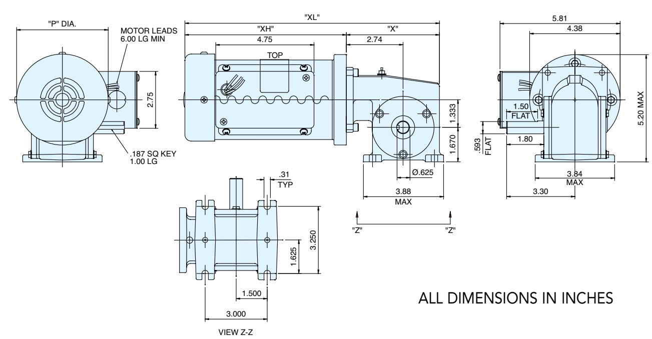


Three Phase - 230-460 Volt - TEFC - PE350 Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 230	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
9	341	1/6	096065.00	√	676	42T17FZ34	PE353-42	180	1.0	491	5.16	3.32	12.57	10.57	S, US
29	300	1/4	096066.00	√	681	42T17FZ29	PE353-42	58	1.2	327	5.16	3.32	13.07	11.07	S, US
58	244	1/4	096067.00	√	681	42T17FZ30	PE353-42	30	1.2	300	5.16	3.32	13.07	11.07	S, US
85	165	1/4	096068.00	√	669	42T17FZ31	PE352-42	20	1.2	300	5.16	3.32	13.07	11.07	S, US
173	92	1/4	096069.00	√	669	C42T17FZ32	PE352-42	10	1.2	300	5.16	3.32	13.07	11.07	S, US
325	50	1/4	096070.00	√	669	42T17FZ33	PE352-42	5	1.2	300	5.16	3.32	13.07	11.07	S, US

Specifications are subject to change without notice ♥ Note listing on inside back flap

13 SERIES – AC



Three Phase - 230 Volt - TEFC - Right Angle Series

Output RPM	F.L. Torque (Lb.In.)	Input HP	Catalog Number	Stock	List Price	Model Number	Gearmotor Type & Frame	Ratio to 1	F.L. Amps 230	Over-hung Load (lb.)	Dimensions (inches) P	X	XL	XH	♥Notes
29	238	3/8	M1145127.00	√	818	M38T17FZ7	13F60-38	60	1.3	235	4.43	4.5	12.31	7.81	S, US
43	228	3/8	M1145128.00	√	818	M38T17FZ8	13F40-38	40	1.3	235	4.43	4.5	12.31	7.81	S, US
86	138	3/8	M1145129.00	√	818	M38T17FZ9	13F20-38	20	1.3	235	4.43	4.5	12.31	7.81	S, US
172	105	3/8	M1145130.00	√	818	M38T17FZ10	13F10-38	10	1.3	235	4.43	4.5	12.31	7.81	S, US
345	54	3/8	M1145131.00	√	818	M38T17FZ11	13F05-38	5	1.3	235	4.43	4.5	12.31	7.81	S, US

Specifications are subject to change without notice ♥ Note listing on inside back flap

View On-line Technical Information

DC Motors
Gearmotors
Ac / DC Controls
Accessories / Kits
Mods / Factory Options
X-Ref / Index
Tech Information
Terms / Warnings
Other Products

AC / DC Controls

Quick Reference

DC Adjustable Speed Drives

Speedmaster® DC drives for use with SCR rated motors. Models range from sub-FHP through 3 HP. NEMA 1, NEMA 4/12 and NEMA 4X enclosures available.

Low voltage controls available through 120 amps @12/24 V and 100 amps @ 36/48 V.

SM2/SM4 Series Flux Vetor Sub-Micro AC Inverters

Speedmaster® senorless vector drives with "big drive" features and ultra-compact size. SM2 - 1/2 through 25 HP. IP31 enclosure — NEMA 1 Type. SM4 - 1/2 through 10HP IP65 NEMA 4.

SM Series Sub-Micro AC Inverters

Speedmaster® adjustable speed drives for simpler applications not requiring the advanced features of the SM-Plus Series. Models range from 1/3 through 25 HP. IP 20 enclosure — chassis mount.

Micro Series NEMA Enclosed AC Inverters

Speedmaster® adjustable speed drives with plain-English programming and read-out. Models range from 1/4 through 150 HP. NEMA 1 enclosure.

Micro Series WASHGUARD AC Inverters

Speedmaster® adjustable speed drives in NEMA 4/12 and NEMA 4X enclosures. Plain-English programming and read-out. Models range from 1/4 through 125 HP.

Inverter Kits

Dynamic braking kits, din rail kits, remote keypads, EPM bulk packs

LEESON®

LEESON Speedmaster® inverters are feature rich controls offering great process control and operating efficiency for your AC Motors. Our 3 families of controls have the solution to your application needs at a competitive price





	Stand alone inverter, does not need to be mounted in an enclosure	Open control, needs to be mounted in an enclosure	Open control, needs to be mounted in an enclosure	Low cost vector inverter	Stand alone Vector inverter
	English read out display, rugged construction features	Digital display readout	Less Features than the SM Basic Control	Vector speed control for great speed regulation	Many features and control parameters
	Steel enclosure	Over 50 programmable functions	Low cost	4 modes of operation	Easy set-up and operation
Basic Features	**Micro Series**	**SM-Plus**	**SM-Basic**	**SM2 Vector**	**SM4 Vector**
Enclosure Type	IP 31 & IP65/54	IP20	IP20	IP20	IP 65
Enclosure Material	Steel	Plastic	Plastic	Plastic	Plastic
Number Pre-set Speeds	4	7	7	8	8
Washdown Duty	Yes	No	No	No	Yes
FWD & REV	Yes	Yes	Yes	Yes	Yes
Password Protected	Yes	Yes	Yes	Yes	Yes
Dynamic Brake Kits	Yes	Yes	Yes	No	No
Relays	Yes	Yes	Yes	Yes	Yes
EPM Programmable	No	Yes	Yes	Yes	Yes
Open Loop Vector	No	No	No	Yes	Yes
PID Software	Yes	No	No	Yes	Yes
Remote Keypads	Yes	Yes	Yes	Yes	Yes
Slip Compensation	Yes	Yes	Yes	Yes	Yes
Speed Reference Signals	Yes	Yes	Yes	Yes	Yes
Display - Words or odes	Words	3- digit	3 - digit	4 - digit	4 - digit
Adjustable carrier frequency	2.5 - 14 kHz	4 - 10 kHz	4 - 10 kHz	4 - 10 kHz	4 - 10 kHz
DC Braking	Yes	Yes	Yes	Yes	Yes
Fault History	Yes	Yes	Yes	Yes	Yes
Max. HP @ 460 Volts	150	30	15	25	10
Max. HP @ 230 Volts	60	20	15	20	10
1 Phase Input / 3 Phase Output	Yes	Yes	Yes	Yes	Yes
Output frequency	120	240 Hz	240 Hz	500 Hz	500 Hz

LEESON®

AC / DC Controls

DC Adjustable Speed Drives
SCR Thyristor Controls

LEESON Speedmaster DC Control information

PWM and SCR Controls
General Specifications:

- General purpose for permanent magnet or shunt wound DC motors
- NEMA 4X and 4/12 suitable for washdown applications
- Dual voltage capable on most designs – see HP range
- 115 / 230 volt single-phase input voltage – DC 90 volt or 180 volt output
- Adjustable minimum and maximum speed
- Speed pot included on chassis controls
- Adjustable IR compensation
- Heat sinks required as noted
- PWM controls provide quieter operation, lower motor temperature and greater motor overload capacity

Regenerative Controls
General Specifications:

- Four quadrant controls for precise motion control
- NEMA 4X or chassis style
- Motoring and braking torque regulation ¼ HP through 2 HP

15 Series
General Specifications:

- Dual voltage – 12/24 VAC or 120/240 VAC Input
- Adjustable minimum and maximum speed
- Adjustable IR compensation
- Fixed acceleration – (0.5 seconds)
- 5K ohm speed pot included
- 25:1 speed range and 1% speed regulation

For NEMA Frame Motors & Gearmotors
SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 1 General Purpose						
—Non-Reversing	174307.00	435	10	1/8 to 1 Ⓗ	1/4 to 2 Ⓗ	5
—Reversing with dynamic braking	174308.00	595	10	1/8 to 1 Ⓗ	1/4 to 2 Ⓗ	5
—Heat Sink H	174316.00	97	—	—	—	1
NEMA 4X Washdown—Dust-Tight						
—Non-Reversing, Plastic Enclosure	174102.00	592	10	1/8 to 1	1/4 to 2	6
—Non-Reversing, Plastic Enclosure with Signal Follower	174103.00	862	10	1/8 to 1	1/4 to 2	7
—Reversing, Plastic Enclosure*	174107.00	804	10	1/8 to 1	1/4 to 2	7
NEMA 4						
—Non-Reversing 3HP	174709.00	1138	15	—	3	8

See footnotes on page 339

Specifications are subject to change without notice

LEESON®

LEESON Speedmaster DC Control information

SCR Controls - Open Chassis

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
Chassis with Speed Pot-Non Reversing	174311.00	241	10	1/8 to 1Ⓙ	1/4 to 2Ⓙ	1
Chassis Heat SinkⒿ	174314.00	72	—	—	—	1

Specifications are subject to change without notice

Regenerative SCR Drives - Four Quadrant - Full Wave

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 4X Washdown ☐	175720.00	1242	10	1/4 to 1Ⓚ	1/2 to 2 Ⓚ	8
Open Chassis with Speed Pot ☐	175721.00	801	10	1/4 to 1 Ⓚ	1/2 to 2 Ⓚ	2
Chassis Heat SinkⓀ	175722.00	139	—	—	—	2

Specifications are subject to change without notice

For Subfractional HP Motors & Gearmotors
PWM & SCR Controls - Enclosed - Single Phase Input 50/60 Hz

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 1 General Purpose						
—SCR Non-Reversing	M1740005.00	418	3	1/40 to 1/8	1/40 to 1/4	5
—SCR Reversing With Dynamic Braking	M1740006.00	564	3	1/40 to 1/8	1/40 to 1/4	5
—PWM Non-Reversing	M1740008.00	362	3	1/40 to 1/8	1/40 to 1/4	2

Specifications are subject to change without notice

PWM & SCR Controls - Open Chassis

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
Open Chassis SCR Type						
—Chassis with Speed Pot-Non Reversing	M1740007.00	232	1.5	1/40 to 1/8	1/40 to 1/4	1
Open Chassis PWM Type						
—Chassis with Speed Pot-Non Reversing	M1740009.00	270	2	1/40 to 1/8	—	1

* Drive does not have dynamic braking. Motor shaft must be at zero speed before reversing.
Ⓗ Heat sink #174316 is required for NEMA 1 type 3/4 and 1HP 115V and 11/2 and 2HP 230V when the amp draw of the motor exceeds 5 amps.
Ⓙ Chassis Heat Sink #174314 required for 3/4 and 1HP 115V and 11/2 and 2HP 230V when the amp draw of the motor exceeds 5 amps.
Ⓚ Chassis Heat sink #175722 required for 1HP and above when the amp draw of the motor exceeds 5 amps.
☐ Regenerative drives are reversible and have regenerative braking.

Specifications are subject to change without notice

AC / DC Controls

DC Adjustable Speed Drives - SCR Controls

15 Series

General Specifications:

- 0-90 / 0-180 volts DC
- Adjustable min. and max. speed
- Adjustable IR compensation
- Fixed acceleration - 5 seconds
- 5K ohm speed potentionmeter included
- 25:1 speed range and 1% speed regulation

NEMA 4/12
Non-Reversing

Figure 1

Figure 2

Description	Catalog Number	List Price	Output Amps	HP Range 115V	HP Range 230V	App. Wgt. (lbs.)
NEMA 4/12 Non-Reversing	174696.00	281	3	1/3	2/3	1
Chassis - Figure 1	174695.00	162	2	1/6	1/6	1
Chassis - Figure 2	174694.00	162	2	1/6	1/6	1

Specifications are subject to change without notice

Low Voltage Adjustable Speed Controllers

General Specifications:

- Chassis type design
- DC input / DC ouput
- Speed potentionmeter shipped loose
- High efficient designs increase battery life

Features:

- 40 : 1 speed range
- Holds speed control as battery discharges
- Adjustable min. and max. speeds
- IR compensation
- 200% current limit overload protection
- Inhibit pins provide optional start-stop
- Power on LED indicator

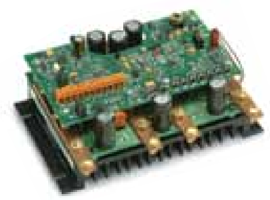
Input Voltage	Catalog Number	List Price	Output Amps	Dimensions (inches) Length	Dimensions (inches) Width	Dimensions (inches) Height	App. Wgt. (lbs.)
12/24	175290.00	521	16	6.90	4.44	2.19	2
12/24	175291.00	635	60	7.78	6.90	3.25	4
36/48	175292.00	635	60	7.78	6.90	3.25	4

Specifications are subject to change without notice

AC / DC Controls

Low Voltage Adjustable Speed Controllers

General Specifications:
- Chassis type design
- DC input / DC output
- Speed potention meter shipped loose
- High efficient designs increase battery life



Features:
- Sleep mode feature
- Accepts switch closure for reversing and braking
- Built-in short circuit protection
- 1.01 Form factor
- Built-in temperature sensor
- On board trim pots for calibration, speed and forward and reverse settings

Four Quadrant Control

Input Voltage	Catalog Number	List Price	Output Amps	Dimensions (inches)			App. Wgt. (lbs.)
				Length	Width	Height	
12/24	174298.00	1127	120	6.90	5.00	2.50	3
36/48	174299.00	1127	100	6.90	5.00	2.50	3

Specifications are subject to change without notice

Dual Mode - Dual Speed Controllers

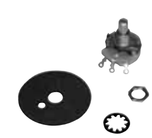
- SCR Control designed to run two DC motors at the same time in either Independent mode or Slave/ Master mode
- Open chassis design
- Dual voltage, 115-230 VAC input with jumper
- Selectable 90/180 VDC output
- Jumper selectable speed and torque mode
- Two trim pots each for the minimum speed, maximum speed, IR compensation, current limit and acceleration/deceleration
- Comes standard with two potentiometers

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1 HP @ 90 VDC 2 HP @ 180 VDC	115/230	10*	0-90/0-180	174422.00	375	3

Specifications are subject to change without notice

Control Accessories

Description	Catalog Number	List Price
Inhibit Plug	900282.01	48
Speed Pot (10k/5w pot, washers & nut)	006708.01	62



Specifications are subject to change without notice

AC / DC Controls

FHP Series AC Controls

AC Adjustable Speed Drives

General Specifications:

The FHP Series volts/hertz-type AC drives are as simple to set-up and calibrate as an SCR-type DC drive.

Compact chassis design maintain industry standard mounting hole locations.

Features:

Common features for chassis and enclosed units:

- Compact size – (4.30" x 3.70")
- Output voltage on dual voltage models is jumper selectable and has voltage doubler
- Acceleration and deceleration trim pots
- Torque, maxium speed and torque limit trim pots
- Torque 'foldback' feature – Allows up to 200% torque for short periods
- 16kHz switching frequency, with option to change between 4 and 16kHz
- Adjustable torque boost for startup – Up to 200%
- Color-coded on-board LEDs for power, fault and torque limit
- Easy start/stop and direction control with enable and direction terminal connections
- Accepts speed reference from 0-5VDC isolated signal
- Speed potentiometer shipped loose
- Plug-in Process Control Module (PCM) kit available to accept 0-5VDC, 0-10VDC or 4-20mA input
- UL listed

Special features of the NEMA 4X drive:

- NEMA 4X enclosure
- Jumper selectable DC injection braking or coast to stop
- Brake time and current are adjustable
- Built-in isolation card to accept a speed reference signal
- Min speed adjustment
- Auto or manual restart after power loss

PARAMETER	SPECIFICATIONS FOR ALL FHP MODELS
Max load	150% for 5 minutes
Output frequency	0-120Hz
Output type	6 step PWM
Switching frequency	4-16kHz range* with 16kHz as factory default
Speed regulation and range	±3% of base speed; up to 50:1
On-board adjustable trim pots	Max speed, accel, decel, boost & torque limit
Adjustable maximum frequency range	32-120Hz
Adjustable accel and decel time range	1-12 seconds
Torque boost range	0-200%
LED indicators	Power (green), Fault‡ (red), Torque Limit (yellow)
Instantaneous over-current trip time	3 μsec
Analog reference input and impedance	0-5VDC isolated, ~100Kohm
Plug-in PCM isolator card input	0-5 VDC, 0-10VDC, 4-20mA
Ambient temperature range	0-40°C
Weight (Chassis Models)	1.2 lbs.
Vibration	0.5G max (20-50Hz); 0.1G max (>50Hz)
Approvals	UL, cUL

* Plug-in capacitor kit (175325) for field adjustments to less than 16khz

‡ Faults are Over-voltage, Under-voltage and Instantaneous Over Current trip

AC / DC Controls

FHP Series AC Drives - Chassis Mount

Single Phase Input / Single or Three Phase Output

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1/4	230	1.2	230	175318.00	371	2
	115	2.4	115	175320.00	383	3
1/2	230	2.4	230	175321.00	383	3
	115/230	2.4	230	175310.00	486	3
	115	4	115	175322.00	475	4
1	230	4	230	175323.00	470	4
	115/230	4	230	175311.00	615	4

Specifications are subject to change without notice

FHP Series AC Drices - Accessories

Description	Catalog Number	List Price	App. Wgt. (lbs)
Process Control Module (PCM) Kit*	175324.00	121	2
Carrier Frequency Capacitor Kit	175325.00	29	1

* PCM Kit is for use with chassis drives only.
Specifications are subject to change without notice

AC / DC Controls

FHP Series AC Drives - NEMA 4X (IP65)

- NEMA 4X enclosure
- Min speed adjustment
- Jumper selectable features:
  - DC injection braking or coast to stop
  - Brake time and current are adjustable
  - Auto or manual restart after power loss
- Built-in isolation card to accept a speed reference signal

Single Phase Input / Three Phase Output

HP	Input Voltage	Output Amps	Output Voltage	Catalog Number	List Price	App. Wgt. (lbs)
1/6 - 1	115/230	4	230	175326.00	865	7

Specifications are subject to change without notice

AC / DC Controls

Micro Series AC Inverters

NEMA 1, IP31 Enclosure Protection

NEMA 1

Features:

- Full feature, English read-out parameters
- 16 bit Intel microprocessor
- Choice of using factory “Quick Start” program settings
- Output frequency to 120 Hz. Higher frequency available
- 150% overload capacity for one minute
- Speed reference signals - potentiometer, 0-10 VDC or 4-20mA inputs
- Output signal, 0-10 VDC, speed or load
- Two auxiliary contacts, one form C relay and two open collector ouputs
- 4 preset speeds
- Slip compensation
- Adjustable carrier frequency
- Adjustable acceleration and deceleration times
- Forward and reverse
- Time and voltage adjustable DC braking
- Password protected
- Constant torque-with adjustable current limit
- Steel enclosure with Aluminum heat sinks
- Dynamic braking kits available
- Remote keypads available
- PID software built-in for motor feedback
- UL Listed

PDF file of Manual available at
www.leeson.com/Technical Information

NEMA 1 (IP31) • Single Phase Input / 230V Three Phase Output
(Use with three phase 230V motor)

HP	Output Amps @ 230 Volts	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	174930.00	1032	5	A
1/2	2.2	115/230	174997.00	1244	7	AC
1	4	115/230	174931.00	1255	7	D
1 1/2	5.2	115/230	174932.00	1390	7	D
2	6.8	200-230	174933.00	1326	9	E
3	9.6	200-230	174934.00	1460	9	E

Specifications are subject to change without notice

Dimension Table see page 360 - 361

NEMA 1, IP31 Enclosure Protection

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	174914.00	1093	6	B
	1	4	200-240	174915.00	1148	6	C
	1 1/2	5.2	200-240	174916.00	1203	6	C
	2	6.8	200-240	174917.00	1285	9	E
	3	9.6	200-240	174918.00	1382	9	E
	5	15.2	200-240	174919.00	1633	11	F
	7 1/2	25	200-240	174545.00	2416	13	M
	10	28	200-240	174551.00	3127	15	L
	15	42	200-240	174557.00	4126	19	N
	20	54	200-240	174560.00	5598	21	P
	25	68	200-240	174569.00	6781	38	T
	30	80	200-240	174571.00	8136	44	T
	40	104	200-240	174576.00	12533	130	AE
	60	154	200-240	174578.00	17709	185	AF
400-480 Volts	1	2	400-480	174920.00	1377	6	B
	2	3.4	400-480	174921.00	1510	7	D
	3	4.8	400-480	174922.00	1633	9	E
	5	7.6	400-480	174923.00	1837	9	E
	7 1/2	11	400-480	174924.00	2496	11	I
	10	14	400-480	174552.00	3390	13	M
	15	21	400-480	174558.00	4353	15	L
	20	27	400-480	174561.00	5776	17	N
	25	34	400-480	174563.00	6810	21	P
	30	40	400-480	174565.00	7415	21	P
	40	52	400-480	174567.00	8545	35	T
	50	65	400-480	174593.00	10416	44	W
	60	77	400-480	174572.00	11444	67	W
	75	96	400-480	174580.00	14507	185	AG
	100	124	400-480	174582.00	17641	250	AH
	125	156	400-480	174584.00	19821	260	AH
	150	180	400-480	174586.00	27040	360	AL
480-590 Volts	1	1.6	480-590	174925.00	1527	6	B
	2	2.7	480-590	174926.00	1687	7	D
	3	3.9	480-590	174927.00	1864	9	E
	5	6.1	480-590	174928.00	2033	9	F
	7 1/2	9	480-590	174929.00	2485	11	I
	10	11	480-590	174553.00	3787	13	R
	15	17	480-590	174559.00	4999	17	N
	20	22	480-590	174562.00	6350	19	O
	25	27	480-590	174564.00	7499	21	P
	30	32	480-590	174598.00	8398	22	S
	40	41	480-590	174599.00	9315	38	T
	50	52	480-590	174594.00	11299	45	W
	60	62	480-590	174573.00	12641	51	W

Specifications are subject to change without notice

Dimension Table see page 360 - 361

AC / DC Controls

Washguard Micro Series AC Inverters

WASHGUARD NEMA 4/12

NEMA 4/12 (IP65/IP54)
Epoxy Coated

General Specifications:

- Food -safe white epoxy finish
- No external cooling fan required
- Water, oil and dust-tight enclosrue protected
- Same features as Micro Series inverters as shown on previous page

Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	174935.00	1548	8	G
	1	4	200-240	174936.00	1682	8	G
	1 1/2	5.2	200-240	174482.00	1704	8	Y
	2	6.8	200-240	174937.00	1800	10	H
	3	9.6	200-240	174938.00	1948	11	J
	5	15.2	200-240	174730.00	2401	11	K
	7 1/2	22	200-240	174734.00	3331	27	Q
	10	28	200-240	174737.00	4203	32	U
	15	43	200-240	174740.00	5067	40	V
	20	54	200-240	174743.00 ¤	6506	42	AA
	25	68	200-240	174595.00 ¤	8915	53	Z
	30	80	200-240	174596.00 ¤	9447	53	Z
400-480 Volts	1	2	400-480	174939.00	1894	8	G
	2	3.4	400-480	174940.00	2090	10	H
	3	4.8	400-480	174941.00	2240	10	H
	5	7.6	400-480	174942.00	2475	11	J
	7 1/2	11	400-480	174548.00	3138	11	K
	10	14	400-480	174554.00	4183	11	Q
	15	21	400-480	174749.00	5212	32	U
	20	27	400-480	174752.00	6683	36	V
	25	34	400-480	174755.00 ¤	7716	42	AA
	30	40	400-480	174757.00 ¤	8433	53	AA
	40	52	400-480	174513.00 ¤	9755	54	Z
	50	65	400-480	174511.00 ¤	11320	75	AB
	60	77	400-480	174574.00 ¤	12746	98	AB
	75	96	400-480	174581.00 ¤	15734	200	AJ
	100	124	400-480	174583.00 ¤	19004	300	AP
	125	156	400-480	174585.00 ¤	21593	310	AO
480-590 Volts	1	1.6	480-590	174943.00	2060	8	G
	2	2.7	480-590	174944.00	2298	10	H
	3	3.9	480-590	174945.00	2506	10	H
	5	6.1	480-590	174946.00	2698	11	J
	7 1/2	9	480-590	174549.00	3708	13	K
	10	11	480-590	174556.00	4865	17	Q
	15	17	480-590	174763.00	5876	38	U
	20	22	480-590	174766.00	7154	40	V
	25	27	480-590	174769.00 ¤	8532	42	AA
	30	32	480-590	174597.00 ¤	9362	53	AA
	40	41	480-590	174512.00 ¤	10839	54	Z
	50	52	480-590	174510.00 ¤	12655	75	AB
	60	62	480-590	174575.00 ¤	14156	98	AB

¤ Enclosures are NEMA 12 only – others are NEMA 4/12

Specifications are subject to change without notice

Dimension Table see page 360 - 361

Washguard Micro Series AC Inverters

WASHGUARD NEMA 4X

NEMA 4X (IP65)
Stainless Steel

General Specifications:
- 300-Series stainless steel
- No external cooling fans
- Must be protected from caustic agents
- Same features as NEMA 1 Micro Series inverters

Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
200-240 Volts	1/2	2.2	200-240	174527.00	1818	8	G
	1	4	200-240	174528.00	1950	8	G
	1 1/2	5.2	200-240	174529.00	2041	8	Y
	2	6.8	200-240	174530.00	2164	10	H
	3	9.6	200-240	174531.00	2273	11	J
	5	15.2	200-240	174732.00	3165	11	K
	7 1/2	22	200-240	174735.00	3895	27	Q
	10	28	200-240	174738.00	4858	32	U
	15	43	200-240	174741.00	5936	40	V
400-480 Volts	1	2	400-480	174532.00	2142	8	G
	2	3.4	400-480	174533.00	2428	10	H
	3	4.8	400-480	174534.00	2604	10	H
	5	7.6	400-480	174535.00	2973	11	J
	7 1/2	11	400-480	174745.00	4032	11	K
	10	14	400-480	174747.00	4993	11	Q
	15	21	400-480	174750.00	5976	32	U
	20	27	400-480	174753.00	7376	36	V
480-590 Volts	1	1.6	480-590	174536.00	2328	8	G
	2	2.7	480-590	174537.00	2599	10	H
	3	3.9	480-590	174538.00	2811	10	H
	5	6.1	480-590	174539.00	3181	11	J
	7 1/2	9	480-590	174759.00	4301	13	K
	10	11	480-590	174761.00	5519	17	Q
	15	17	480-590	174764.00	6629	38	U
	20	22	480-590	174767.00	8015	40	V

Specifications are subject to change without notice

Dimension Table see page 360 - 361

AC / DC Controls

Washguard Micro Series AC Inverters

NEMA 4X (IP65)
Stainless Steel

Washguard NEMA 4X (IP65) Stainless Steel - Single Phase Input - 230 Volt Three Phase Output
(Use with three phase 230V motor)

HP	Output Amps @ 230 Volts	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	174519.00	1778	8	AD
1/2	2.2	115/230	174520.00	1977	8	X
1	4	115/230	174521.00	2119	11	H
1 1/2	5.2	115/230	174517.00	2604	11	H
2	6.8	208-230	174525.00	2228	11	H
3	9.6	208-230	174526.00	2336	12	J

Specifications are subject to change without notice

Washguard NEMA 4 (IP65) Epoxy Coated - Single Phase Input - 230 Volt Three Phase Output
(Use with three phase 230V motor)

HP	Output Amps @ 230 Volts	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimension Key
1/4	1.4	115/230	174996.00	1439	8	AD
1/2	2.2	115/230	174998.00	1571	8	X
1	4	115/230	174999.00	1720	11	H
1 1/2	5.2	115/230	174515.00	2021	11	H
2	6.8	208-230	174475.00	1831	11	H
3	9.6	208-230	174729.00	1939	12	J

Specifications are subject to change without notice

Dimension Table see page 360 - 361

SM2 Series Flux Vector Series AC Inverters
NEMA 1 IP21 Enclosure Protection

General Specifications:
- Designed to be used with Vector duty rated AC motors
- Open Loop Flux Vector designs
- Typical applications would include: food processing, machinery, material handling and HVAC systems
- Enclosure: NEMA1, IP21, -10 to 55°C, 2.5% derate per °C above 40°C

Standard Features:
Easy Set-up and Operation: Program the Vector control in one of four convenient ways:
- From the front of the drive
- The optional remote keypad
- A PC using TechLink software

(Available free from www.leeson.com)
- The innovative EPM programmer

Modes of operation:
- Open loop flux vector (speed or torque)
- V/Hz (constant or variable)
- Enhanced V/Hz with auto-tuning

Easy to Use Keypad & Display
6-Button Interface:
- Start
- Stop
- Forward/reverse
- Scroll up
- Scroll down
- Enter/mode

Vivid Illumination:
- 4 digit LED display
- Easy to read from a distance
- Movable decimal point

Acceleration/Deceleration Profiles:
- Two Independent accel ramps
- Two Independent decel ramps
- Linear or S-type
- Auxiliary ramp-to-stop

Output Frequency:
- 500 Hz Std., 1000 Hz optional

Selectable Logic Assertion:
- Positive logic input (PNP current sourcing)
- Negative logic input (NPN current sinking)

AC / DC Controls

SM2 Series Flux Vector Series AC Inverters
NEMA 1 IP21 Enclosure Protection

Multiple Braking Functions

- Loss of follower management
- Speed commands:keypad, jog, floating point control
- Voltage: Scalable 0-10 VDC
- Current: Scalable 4-20 mA, potentiometer,
- 8 preset speeds
- Process control: PID modes: direct or reverse acting,
- PID sleep mode
- Voltage monitoring
- Current monitoring
- Real time monitoring: 8 register fault history, software version drive network ID, DC bus
- Voltage (V), motor voltage (V), output current (%)
  Motor current (A), motor torque (%), power (kW)
  Energy consumption (kWh), heatsink
- Temperature (°C), 0-10 VDC input (user defined), 4-20 mA input (user defined) PID feedback (user defined), analog output (% load, % torque, kW), network speed (baud rate), terminal continuity, keypad status
- Elapsed run time (hours), elapsed power on time (hours)
- Standards: UL (USA), cUL (Canada), CE (Europe), GOST (Russia/Ukraine) C-Tick (Australia/New Zealand)

Single Phase Input / 230 Volt Three Phase Output

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
115-230 Volts	1/3	1.7	115/230	174603.00	540	2.9	7.5 x 3.9 x 4.35
	1/2	2.4	115/230	174604.00	555	3	7.5 x 3.9 x 4.35
	1	4.2	115/230	174605.00	619	3.2	7.5 x 3.9 x 4.35
	1.5	6	115/230	174651.00	780	5	7.5 x 3.9 x 5.45

Specifications are subject to change without notice

Single or Three Phase Input / 230 Volt Three Phase Output

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	1/3	1.7	208/240	174606.00£	492	2.5	7.5 x 3.9 x 4.35
	1/2	2.4	208/240	174607.00	517	2.9	7.5 x 3.9 x 4.35
	1	4.2	208/240	174608.00	546	3.2	7.5 x 3.9 x 4.35
	1 1/2	6.0	208/240	174609.00	609	3.7	7.5 x 3.9 x 5.45
	2	7.0	208/240	174610.00	661	3.7	7.5 x 3.9 x 5.45
	3	9.6	208/240	174611.00	837	3.9	7.5 x 3.9 x 5.45

£ LEESON model 174606 is single-phase input only
Specifications are subject to change without notice

SM2 Series Flux Vector Series AC Inverters
NEMA 1 IP21 Enclosure Protection

Three Phase Input / Output

Voltage	HP	Output Amps	Input Voltage	Catalog Number	Stock	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1 1/2	6.0	200/240	174612.00		582	3.7	7.5 x 3.9 x 5.45
	2	7.0	200/240	174613.00		625	3.7	7.5 x 3.9 x 5.45
	3	9.6	200/240	174614.00		786	3.8	7.5 x 3.9 x 5.45
	5	16.5	200/240	174615.00		938	4.2	7.5 x 3.9 x 5.8
	7 1/2	23	200/240	174616.00		1252	7.3	9.83 x 5.12 x 6.3
	10	29	200/240	174617.00		1546	7.3	9.83 x 5.12 x 6.3
	15	42	200/240	174618.00		2403	20	12.33 x 6.88 x 8.08
	20	54	200/240	174619.00		2954	20	12.33 x 6.88 x 8.08
400-480 Volts	1/2	1.1	400/480	174620.00		597	3	7.5 x 3.9 x 4.35
	1	2.1	400/480	174621.00		641	3.2	7.5 x 3.9 x 4.35
	1 1/2	3.0	400/480	174622.00		694	3.6	7.5 x 3.9 x 5.45
	2	3.5	400/480	174623.00		741	3.7	7.5 x 3.9 x 5.45
	3	4.8	400/480	174624.00		872	3.7	7.5 x 3.9 x 5.45
	5	8.2	400/480	174625.00		987	4.3	7.5 x 3.9 x 5.8
	7 1/2	11	400/480	174626.00		1250	7.3	9.83 x 5.12 x 6.3
	10	14	400/480	174627.00		1544	7.3	9.83 x 5.12 x 6.3
	15	21	400/480	174628.00		2410	20	12.33 x 6.88 x 8.08
	20	27	400/480	174629.00		2963	20	12.33 x 6.88 x 8.08
	25	35	400/480	174630.00		3677	20	12.33 x 6.88 x 8.08
480-590 Volts	1	1.7	480/590	174631.00		738	3.2	7.5 x 3.9 x 4.35
	2	2.7	480/590	174632.00		823	3.7	7.5 x 3.9 x 5.45
	3	3.9	480/590	174633.00		951	3.8	7.5 x 3.9 x 5.45
	5	6.1	480/590	174634.00		1075	4.2	7.5 x 3.9 x 5.8
	7 1/2	9.0	480/590	174635.00		1342	7.3	9.83 x 5.12 x 6.3
	10	11	480/590	174636.00		1655	7.3	9.83 x 5.12 x 6.3
	15	17	480/590	174637.00		2655	20	12.33 x 6.88 x 8.08
	20	22	480/590	174638.00		3420	20	12.33 x 6.88 x 8.08
	25	27	480/590	174639.00		3960	20	12.33 x 6.88 x 8.08

Specifications are subject to change without notice

AC / DC Controls

SM4 Series Flux Vector Series AC Inverters
NEMA 4 IP65 Enclosure Protection

General Specifications:
- Indoor use only inverter that is designed to be used with vector duty motors
- Typical applications would include : packaging machinery, food processing, conveying systems, machinery and HVAC systems
- Enclosure: NEMA 4, IP65, -10 to 55°C, derate per °C above 40°C

Standard Features:

Easy Set-up and Operation: Program the Vector control in one of four convenient ways:
- From the front of the drive
- The optional remote keypad
- A PC Using TechLink software

(Available free from www.leeson.com)
- The innovative EPM programmer

Modes of operation:
- Open Loop Flux Vector (speed or torque)
- V/Hz (constant or variable)
- Enhanced V/Hz with auto-tuning

Easy to Use Keypad & Display

6-Button Interface:
- Start
- Stop
- Forward/reverse
- Scroll up
- Scroll down
- Enter/mode

Vivid Illumination:
- 4 digit LED display
- Easy to read from a distance
- Movable decimal point

Acceleration/Deceleration Profiles:
- Two independent accel ramps
- Two independent decel ramps
- Linear or S-type
- Auxiliary ramp-to-stop

Output Frequency:
- 500 Hz Std., 1000 Hz optional

Selectable Logic Assertion:
- Positive logic input (PNP current sourcing)
- Negative logic input (NPN current sinking)

Multiple Braking Functions
- Loss of follower management
- Speed commands: keypad, jog, floating point control
- Voltage: scalable 0-10 VDC,
- Current: scalable 4-20 mA, potentiometer,
- 8 Preset speeds
- Process control: PID modes: direct or reverse acting,
- PID sleep mode
- Voltage monitoring
- Current monitoring
- Real time monitoring: 8 register fault history, software version drive network ID, DC bus
- Voltage (V), motor voltage (V), output current (%) motor current (A), motor torque (%), power (kW) energy consumption (kWh), heatsink
- Temperature (°C), 0-10 VDC input (user defined), 4-20 mA input (user defined) PID feedback (user defined), analog output (% load, % torque, kW), network speed (baud rate), terminal continuity, keypad status,
- Elapsed run time (hours), elapsed power on time (hours)
- Standards: UL (USA), cUL (Canada), CE (Europe), GOST (Russia/Ukraine) C-Tick (Australia/New Zealand)

LEESON®

SM4 Series Flux Vector Series AC Inverters
NEMA 4 IP65 Enclosure Protection

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
115/230 Volts	1/2	2.4	115/230	174652.00	718	3.6	8.0 x 6.28 x 4.47
	1	4.2	115/230	174653.00	818	3.6	8.0 x 6.28 x 4.47
	1 1/2	6.0	115/230	174654.00	995	3.6	8.0 x 6.28 x 4.47

Specifications are subject to change without notice

Single or Three Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	1/2	2.4	208-240	174655.00	646	3.6	8.0 x 6.28 x 4.47
	1	4.2	208-240	174656.00	691	3.6	8.0 x 6.28 x 4.47
	1 1/2	6.0	208-240	174657.00	809	5.9	8.0 x 6.28 x 6.31
	2	7.0	208-240	174658.00	877	5.9	8.0 x 6.28 x 6.31
	3	9.6	208-240	174659.00	1050	7.1	8.0 x 7.12 x 6.77
	3	9.6	208/240	174611.00	837	3.9	7.5 x 3.9 x 5.45

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
208-240 Volts	5	16.5	208-240	174660.00	1304	11.58	10.0 x 8.96 x 8.0
	7 1/2	23.0	208-240	174661.00 ∫	1754	10.98	10.0 x 8.04 x 8.0
	10	29.0	208-240	174662.00 ∫	2213	10.98	10.0 x 8.04 x 8.0
400-480 Volts	1/2	1.1	400-480	174671.00	773	3.6	8.0 x 6.28 x 4.47
	1	2.1	400-480	174672.00	832	3.6	8.0 x 6.28 x 4.47
	1 1/2	3.0	400-480	174673.00	900	5.9	8.0 x 6.28 x 6.31
	2	3.5	400-480	174674.00	981	5.9	8.0 x 6.28 x 6.31
	3	4.8	400-480	174675.00	1118	5.9	8.0 x 6.28 x 6.31
	5	8.2	400-480	174676.00	1386	11.58	10.0 x 8.96 x 8.0
	7 1/2	11.0	400-480	174677.00	1745	11.58	10.0 x 8.96 x 8.0
	10	14.0	400-480	174678.00 ∫	2086	10.98	10.0 x 8.04 x 8.0
480-590 Volts	1	1.7	480-590	174663.00	900	3.61	8.0 x 6.28 x 4.47
	2	2.7	480-590	174664.00	1064	5.9	8.0 x 6.28 x 6.31
	3	3.9	480-590	174665.00	1231	5.9	8.0 x 6.28 x 6.31
	5	6.1	480-590	174666.00	1522	11.58	10.0 x 8.96 x 8.0
	7 1/2	9.0	480-590	174667.00	1926	11.58	10.0 x 8.96 x 8.0
	10	11.0	480-590	174668.00 ∫	2295	10.98	10.0 x 8.04 x 8.0

∫ = fan cooled - other controls are convection cooled

Specifications are subject to change without notice

AC / DC Controls

SM Plus Sub-Micro AC Inverters
IP 20 Enclosure Protection

SM PLUS

General Specifications:
• Ultra-compact designs include 18 isolated I/O terminals plus
• RS485 Modbus® serial communication

Features:
• Removable electronic programming module
• Input line voltage calibration—optimizes over and under voltage trip levels
• Current limit to 180% with frequency foldback
• Adjustable carrier frequency (4 to 10 kHz)
• Adjustable V/Hz
• Output frequency to 240 Hz
• Seven preset speeds
• Automatic restart after fault
• Control via drive face, terminal strip or optional remote keypad
• Coast or ramp to stop
• Independent accel and decel adjustment
• Forward only or forward and reverse direction
• Adjustable DC injection braking
• Speed reference: Keypad, 0-10 VDC, or 4-20 mA
• Speed reference calibration
• Speed and load indicating output signal selection: 0-10 VDC or 4-20mA
• Output signal calibration
• Fixed boost for high starting torque
• Accel boost for high torque accelerating at any speed
• Slip compensation
• Three-digit LED display
• Password protection
• Fault history: Stores eight previous trips
• Terminal status indication
• IP20 enclosure with finger safe terminals
• Dynamic braking and remote keypad kits available on pages 362 and 363

SM Plus Sub-Micro AC Inverters
IP 20 Enclosure Protection

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
115/230 Volts	1	4.2	115/230	174492.00	966	4	B1
	1 1/2	6.0	115/230	174445.00	1090	5	B1

Specifications are subject to change without notice

Single or Three Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1/4	1.4	200-240	174452.00	692	2	A1
	1/2	2.2	200-240	174453.00	723	2	A1
	1	4.2	200-240	174454.00	777	3	A2
	1 1/2	6.0	200-240	174493.00	924	4	B1
	2	6.8	200-240	174494.00	1022	5	B2
	3	9.6	200-240	174495.00	1239	5	B2
	5	15.2	200-240	174444.00	1700	8	C1

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1	4.2	200-240	174455.00	716	3	A2
	1 1/2	6.0	200-240	174456.00	840	3	A3
	2	6.8	200-240	174457.00	928	4	A3
	3	9.6	200-240	174458.00	1106	4	A3
	5	15.2	200-240	174446.00	1424	4	B2
	7 1/2	22	200-240	174438.00	1946	8	C1
	10	28	200-240	174439.00	2324	8	C1
	15	42	200-240	174429.00	3009	13	D1
	20	54	200-240	174430.00	3691	14	D1
400-480 Volts	1/2	1.1	400-480	174459.00	806	2	A1
	1	2.1	400-480	174460.00	868	3	A2
	1 1/2	3.0	400-480	174461.00	949	3	A3
	2	3.4	400-480	174462.00	1047	4	A3
	3	4.8	400-480	174463.00	1168	4	A3
	5	7.6	400-480	174447.00	1490	5	B2
	7 1/2	11	400-480	174440.00	1946	8	C1
	10	14	400-480	174441.00	2324	8	C1
	15	21	400-480	174431.00	2950	13	D1
	20	27	400-480	174432.00	3613	14	D1
	25	34	400-480	174433.00	4301	14	D1
	30	40	400-480	174500.00	4998	14	D1
480-590 Volts	1	1.7	480-590	174464.00	928	3	A2
	2	3.0	480-590	174491.00	1112	4	A3
	3	4.2	480-590	174497.00	1320	5	B2
	5	6.6	480-590	174448.00	1615	5	B2
	7 1/2	9.9	480-590	174442.00	2097	8	C1
	10	12.2	480-590	174443.00	2485	8	C1
	15	19	480-590	174434.00	3255	8	D1
	20	24	480-590	174435.00	3980	14	D1
	25	27	480-590	174436.00	4709	14	D1

Specifications are subject to change without notice

DC Motors
Gearmotors
Ac / DC Controls
Accessories / Kits
Mods / Factory Options
X-Ref / Index
Tech Information
Terms / Warnings
Other Products

AC / DC Controls

SM Series Sub-Micro AC Inverters
IP 20 Enclosure Protection

SM SERIES

General Specifications:

- For applications that require less control features that you may find in the SM-Plus series inverters
- Provides 11 isolated I/O terminals with one Form A relay output

Features:

- Removable electronic programming module
- Input line voltage calibration—optimizes over and under voltage trip levels
- Current limit to 180% with frequency foldback
- Adjustable carrier frequency (4 to 10 kHz)
- Adjustable V/Hz
- Output frequency to 240 Hz
- Seven preset speeds
- Automatic restart after fault
- Control via drive face, terminal strip or optional remote keypad
- Coast or ramp to stop
- Independent accel and decel adjustment
- Forward only or forward and reverse direction
- Adjustable DC injection braking
- Speed reference: Keypad, 0-10 VDC, or 4-20 mA
- Speed reference calibration
- Fixed boost for high starting torque
- Accel boost for high torque accelerating at any speed
- Slip compensation
- Three-digit LED display
- Password protection
- Fault history: Stores eight previous trips
- Terminal status indication
- Default parameter reset
- IP20 enclosure with finger safe terminals
- Dynamic braking and remote keypad kits available on pages 362 and 363

LEESON

SM Series Sub-Micro AC Inverters
IP 20 Enclosure Protection

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
110-120 Volts	1/3	1.7	110-120	174263.00	471	2	A5
	1/2	2.4	110-120	174264.00	511	2	A5
	1	4.2	110-120	174265.00	679	3	B5
	1 1/2	6.0	110-120	174266.00	770	3	B5

Specifications are subject to change without notice

Single Phase Input / Three Phase Output
(Use with three phase 230V motor)

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1/3	1.7	200-240	174267.00	435	2	A5
	1/2	2.4	200-240	174268.00	459	2	A5
	1	4.2	200-240	174270.00	511	3	A6
	1 1/2	6.0	200-240	174271.00	615	4	B5
	2	7.0	200-240	174272.00	724	5	B5
	3	9.6	200-240	174273.00	851	5	B6
	5	15.2	200-240	174444.00	1700	8	C1

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1/2	2.4	200-240	174274.00	435	2	A5
	1	4.2	200-240	174276.00	484	2	A6
	1 1/2	6.0	200-240	174277.00	575	3	A7
	2	7.0	200-240	174278.00	656	3	A7
	3	9.6	200-240	174279.00	727	3	B6
	5	15.2	200-240	174288.00	927	5	B2
	7 1/2	22.0	200-240	174280.00	1281	8	C1
	10	28.0	200-240	174290.00	1303	8	C1
	15	42.0	200-240	174292.00	2343	14	D1
400-480 Volts	1/2	1.1	400-480	174281.00	584	2	A1
	1	2.1	400-480	174282.00	623	3	A2
	1 1/2	3.0	400-480	174283.00	677	3	A3
	2	3.4	400-480	174284.00	723	4	A3
	3	4.8	400-480	174286.00	792	4	B1
	5	7.8	400-480	174287.00	948	5	B2
	7 1/2	11	400-480	174285.00	1231	5	B2
	10	14	400-480	174291.00	1466	8	C1
	15	21	400-480	174293.00	1733	8	C1

Specifications are subject to change without notice

AC / DC Controls

SM Vector Series AC Inverters

IP 20 Enclosure Protection

(To Be Obsoleted Once Inventory Is Depleted)

SM VECTOR

General Specifications:

- Sensorless Vector AC Drive delivers up to 200% starting torque and can control a vector duty motor down to 1Hz at full output torque!

Modes of operation:

– Constant torque V/Hz
– Variable torque V/Hz
– Sensorless vector – speed mode
– Sensorless vector – torque mode

- Auto tuning determines key performance values based on the motor and installation variables Required for operation in vector modes, but can be used to enhance performance in V/Hz mode
- The SM-Vector drive is an approved thermal overload protection device for single motor applications
- 18 isolated terminals provide 5 logic inputs and 2 logic outputs
- Two reference inputs allow for 4-20mA and either 0-10V or bipolar –10 to +10V
- Two analog outputs indicate speed and load
- Two wire RS485 serial communication
- Dynamic braking and remote keypad kits available on pages 362 and 363

Features:

Easy setup and operation – Program the SM-Vector drive one of four different ways:

– From the front of the drive
– The optional remote keypad
– A PC using the TechLink software
– The EPM Programmer

Single or Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1/2	2.2	200-240	174000.00	726	2	A1
	1	4.2	200-240	174001.00	816	3	A2
	1 1/2	6.0	200-240	174002.00	969	4	B1
	2	6.8	200-240	174003.00	1073	5	B2
	3	9.6	200-240	174004.00	1303	5	B2

Specifications are subject to change without notice

Three Phase Input / Three Phase Output

Voltage	HP	Output Amps	Input Voltage¤	Catalog Number	List Price	App. Wgt. (lbs)	Dimensions H x W x D (in.)
200-240 Volts	1	4.2	200-240	174006.00	750	3	A2
	1 1/2	6.0	200-240	174007.00	884	3	A3
	2	6.8	200-240	174008.00	974	4	B2
	3	9.6	200-240	174009.00	1163	4	B2
	5	15.2	200-240	174010.00	1496	4	B2
	7 1/2	22	200-240	174011.00	2041	8	C1
	10	28	200-240	174012.00	2439	8	C1
400-480 Volts	1/2	1.1	400-480	174015.00	847	2	B1
	1	2.1	400-480	174016.00	911	3	B1
	1 1/2	3.0	400-480	174017.00	996	3	B1
	2	3.4	400-480	174018.00	1099	4	B2
	3	4.8	400-480	174019.00	1229	4	B2
	5	7.8	400-480	174020.00	1566	5	B2
	7 1/2	11	400-480	174021.00	2041	8	C1
	10	14	400-480	174022.00	2439	8	C1
480-590 Volts	1	1.7	480-590	174027.00	974	3	B1
	2	3.0	480-590	174028.00	1167	4	B2
	3	4.2	480-590	174029.00	1386	5	B2
	5	6.6	480-590	174030.00	1695	5	B2
	7 1/2	9.9	480-590	174031.00	2201	8	C1
	10	12.2	480-590	174032.00	2609	8	C1

Specifications are subject to change without notice

Dynamic Braking Components For The Micro Series Drives Micro Series Drives can be modified to include dynamic braking. The modifications involve replacing board(s) inside of the drive as well as adding a Dynamic Braking Resistor in a separate enclosure. Larger drives require a combination of Dynamic Braking Board and an additional Form C Relay Board. Instructions are included with the boards. Also available as a modification, see Mod Squad section, see page 378.

Dynamic Braking Boards*

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/2-3	All	174184.00	429	2
5	200-230V	174185.00	467	2
5	460-480V	174185.00	467	2
5	550-575V	174184.00	429	2

* ßDynamic braking resistors are required with the dynamic braking boards.

Specifications are subject to change without notice

Dynamic Braking Resistors**

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/2	200-230V	174178.00	189	1
1	200-230V	174179.00	189	1
	460-480V	174179.00	189	1
	550-575V	174178.00	189	1
1 1/2	200-230V	174179.00	189	1
2	200-230V	174180.00	189	1
	460-480V	174180.00	189	1
	550-575V	174179.00	189	1
3	200-230V	174182.00	267	1
	460-480V	174182.00	267	1
	550-575V	174181.00	267	1
5	200-230V	174183.00	267	1
	460-480V	174183.00	267	1
	550-575V	174182.00	267	1
7 1/2	200-230V	174143.00	310	1
	460-480V	174143.00	310	1
	550-575V	174148.00	310	1
10	200-230V	174143.00	310	1
	460-480V	174143.00	310	1
	550-575V	174148.00	310	1
15-20	200-230V	174144.00	471	1
	460-480V	174144.00	471	1
	550-575V	174149.00	483	1
25-30	200-230V	174145.00	795	1
	460-480V	174145.00	795	1
	550-575V	174140.00	815	1
40	460-480V	174146.00	1037	1
	550-575V	174141.00	1037	1
50-60	460-480V	174147.00	1199	1
	550-575V	174142.00	1199	1

** Dynamic braking Resistors are provided with mounting brackets.

Specifications are subject to change without notice

Dynamic Braking Boards With Form C Relay Board*

Drive HP	Drive Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
7 1/2	200-230V	174192.00	413	2
7 1/2	460-480V	174193.00	413	2
7 1/2	550-575V	174193.00	413	2
10-60	All	174192.00	413	2

* Dynamic braking resistors are required with the dynamic braking boards.

Specifications are subject to change without notice

AC Control Kits

Cable and Keypad are purchased separately. Installing the remote keypad and cable involves partially dis-assembling the drive. Instructions are included with the keypad. Also available as a modification, see Mod Squad section.

Remote Keypads & Cables
(For Micro Series, NEMA 1, Drives*)

Item	Catalog Number	List Price	App. Wgt. (lbs)
Keypad	174177.00	248	2
2.5 ft. Cable	174174.00	73	2
5 ft. Cable	174175.00	105	2
10 ft. Cable	174176.00	170	2

* Compatible with any Micro Series, NEMA 1, drive.

NOTE: Using the remote keypad on a WASHGUARD Duty Inverter is not recommended, for the control will no longer meet NEMA 4/12 sealing requirements.

Specifications are subject to change without notice

AC / DC Controls

Micro Series Dimension Information

Techlink Programming and Monitoring Software

Techlink Software is a powerful Drive Configuration tool that works in a Microsoft Windows environment. TechLink supports the following drives sold by LEESON: Micro Series, SM Plus Series and SM Vector Series.

TechLink allows a drive program to be created off line and to access the drive directly while connected over RS232 or RS485 (depending on the drive). RS485 supports several drives on one drive network but will require an RS232 to RS485 converter for most personal computers.

First time users visit LEESON's website, under "Links and Downloads" to download TechLink Software.

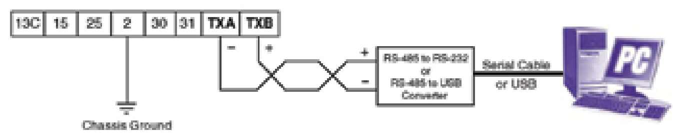
LEESON frequently updates Techlink software and the Models files to keep current with our expanding product offering and upgrades to our existing lines. If you have Techlink software installed on your computer and would like to check to see if you have the most current version of the TechLink program or the Models data, check the versions on the opening TechLink screen to the versions below. You will only need to download the program that has been updated. Each program below is a self extracting zip file; after expanding, run setup.exe to install.

The diagrams below illustrate how to connect the LEESON Micro Series, SM Plus and SM Vector Series drives to a computer in order to use the TechLink software.

Note 1: When using serial communications, terminal 2 on the drive MUST be connected to chassis ground.

SM Plus & SM Vector Series

The SM Plus and SM Vector Series drives are RS-485, so a RS-232 to RS-485 or USB to RS-485 converter is required. The converter connects to the computer using a standard serial connection. A twisted pair connects the converter to the drive.

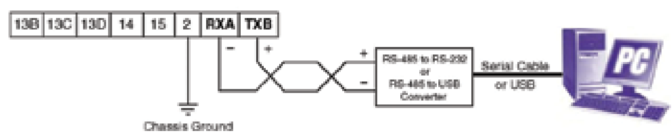


SM Plus & SM Vector Series Control Strip

Note 2: Refer to the converter manufacturer's instructions for proper converter configuration. The converter is not supplied by LEESON.

Micro Series

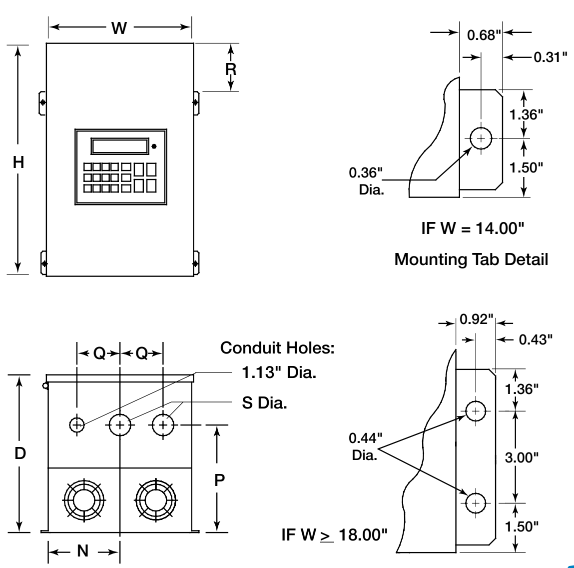
The Micro Series is RS-485, so a RS-232 to RS-485 or USB to RS-485 converter is required. The converter connects to the computer using a standard serial or USB connection. A twisted pair connects the converter to the drive.



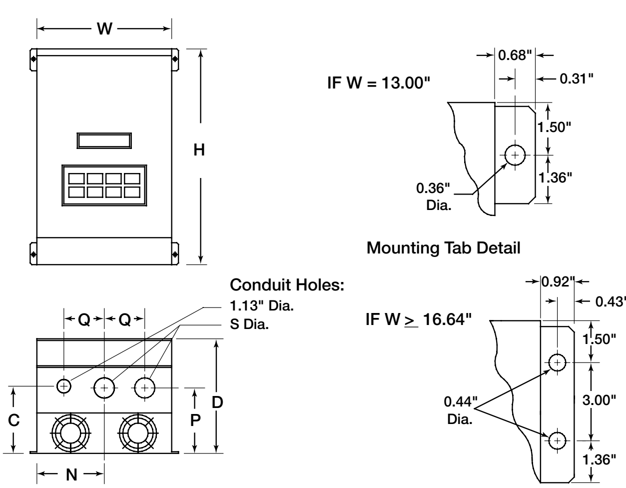
Micro Series Control Strip

Note: 3 Refer to the converter manufacturer's instructions for proper converter configuration. The converter is not supplied by LEESON.

Type 12 Dimensions for models rated above 30HP at 240/200 VAC and 60 HP at 400/480 VAC

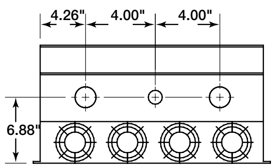


Type 1 Dimensions for models rated above 30HP at 240/200 VAC and 60 HP at 590/480/400 VAC



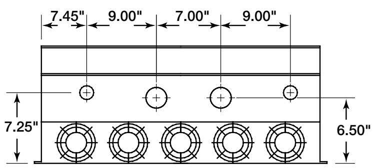
Dimension Information for Micro Series Drives

CONDUIT HOLES FOR 174578.00



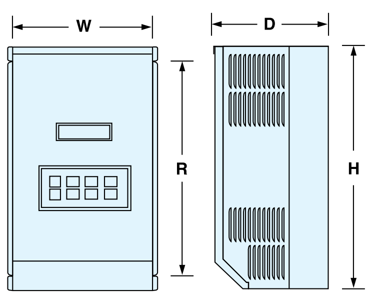
Conduit Holes: Large holes = 1.75"
Small hole = 1.13"

CONDUIT HOLES FOR 174586.00

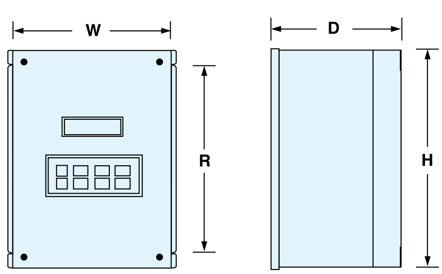


Conduit Holes: Large holes = 3.00"
Small holes = 1.13"

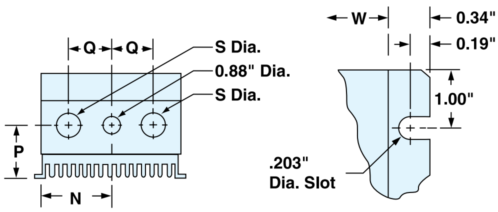
NEMA 1 ONLY



NEMA 4/12
WASHGUARD ONLY



NEMA 1 & NEMA 4/12



Mounting tab detail

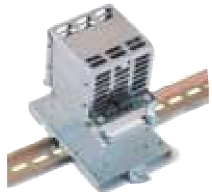
Micro Series Inverter - Dims. (Inches) - NEMA 1, NEMA 4/12 & NEMA 4X

Dimension Key	H	W	D	N	P	Q	R	S
A	7.5	4.7	3.33	2.35	1.6	1.37	5.5	0.88
B	7.5	4.7	3.63	2.35	1.9	1.37	5.5	0.88
C	7.5	4.7	4.33	2.35	2.6	1.37	5.5	0.88
D	7.5	6.12	4.22	3.77	2.4	1.37	5.5	0.88
E	7.5	6.12	5.12	3.77	3.3	1.37	5.5	0.88
F	7.88	7.86	5.94	5.13	3.95	1.5	5.88	1.13
G	7.88	6.12	4.35	3.06	2.7	1.37	5.88	0.88
H	7.88	7.86	4.9	4.8	3.25	1.37	5.88	0.88
I	9.38	7.86	6.25	5.13	3.95	1.5	7.38	1.13
J	7.88	7.86	5.9	4.8	4.25	1.37	5.88	0.88
K	9.75	10.26	7.2	5.13	5.25	2	7.75	1.13
L	11.25	7.86	6.84	3.93	4.19	2	7.75	1.38
M	9.38	7.86	6.84	3.93	4.19	2	5.88	1.13
N	12.75	7.86	6.84	3.93	4.19	2	9.25	1.38
O	12.75	7.86	7.4	3.93	4.19	2	9.25	1.38
P	12.75	10.26	7.74	5.13	5	2.5	9.25	1.38
Q	11.75	10.26	8.35	5.13	5.75	2	9.75	1.13
R	9.38	7.86	7.4	3.93	4.19	2	5.88	1.13
S	12.75	10.26	8.25	5.13	5	2.5	9.25	1.38
T	15.75	10.26	8.35	5.13	5.75	2.5	12.25	1.38
U	13.75	10.26	8.35	5.13	5.75	2	11.75	1.38
V	15.75	10.26	8.35	5.13	5.75	2	13.75	1.38
W	19.75	10.26	8.55	5.13	5.75	2.5	16.25	1.75
X	7.88	7.86	3.75	4.8	2.1	1.37	5.88	0.88
Y	7.88	6.12	5.25	3.06	3.6	1.37	5.88	0.88
Z	20.25	10.26	8.35	5.13	5.75	2	16.25	1.38
AA	15.75	10.26	8.35	5.13	5.75	2	11.75	1.38
AB	21	13.72	8.35	5.13	6.1	2	16.25	1.38
AC	7.5	6.12	3.63	3.77	1.8	1.37	5.5	0.88
AD	7.88	6.12	3.63	3.06	2	1.37	5.88	0.88
AE	25	13	10.5	5.56	6.5	2.62	–	1.38
AF	47	16.64	11.85		SEE CHART			
AG	29	16.64	11.85	7.14	6.88	3.12	–	1.75
AH	29	24.42	11.85	11.12	6.5	4.5	–	2.5
AI	29	36.66	11.85	11.5	9	4.5	–	2.5
AJ	37	18	13.3	7.5	8	3.13	7.14	1.75
AK	39	26	13.3	11.5	9	4.5	9.14	2.5
AL	29	36.66	11.85		SEE CHART			
AM	31	14	11.86	6	7.5	2.62	5.64	1.38
AN	49	18	13.3	7.5	8	3.13	7.14	1.75
AO	39	26	13.3	11.5	9	4.5	9.14	2.5

AC / DC Controls

AC Control Kits

Accessories For The SM, SM-Plus & SM Vector Series Drives



Dynamic Braking Modules With Built-in Dynamic Braking Resistors¤

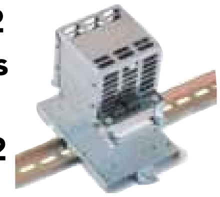
Dynamic Braking Components for the SM, SM-Plus & SM Vector Series Drives Dynamic braking is available for the SM, SM-Plus and SM Vector series drives as a separate Dynamic Braking Module. Lower HP modules have the control electronics and the dynamic braking resistor in one convenient package. Larger units require a separate resistor. The modules can be panel or DIN rail mounted.

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/4-1/2	208-230V	174400.00	319	2
	400-480V	174406.00	319	2
1 - 1 1/2	208-230V	174401.00	371	3
	400-480V	174407.00	371	3
1 - 1 1/2	480-590V	174412.00	371	3
2 - 3	208-230V	174402.00	503	4
	400-480V	174408.00	503	4
	480-590V	174413.00	503	4
5	208-230V	174403.00	657	5
	400-480V	174409.00	657	5
	480-590V	174414.00	657	5
7 1/2	208-230V	174404.00	831	6
	400-480V	174410.00	831	6
	480-590V	174415.00	831	6
10	208-230V	174405.00	1003	8
	400-480V	174411.00	1003	8
	480-590V	174416.00	1003	8

¤ Braking Resistors are included with the module and not purchased separately.

Specifications are subject to change without notice

Accessories For The SM2 Flux Vector Series Drives Dynamic Braking Components for the SM2 Vector Series Drives



Dynamic Braking Modules With Built-in Dynamic Braking Resistors¤

Dynamic Braking Components for the SM2 Vector Series Drives Dynamic braking is available for the SM2 Vector Series drives as a separate Dynamic Braking Module. 10 HP and lower modules have control electronics and the dynamic braking resistor in one convenient package. Larger units require a separate resistor. The modules can be panel or DIN rail mounted.

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
1/3-1/2	208 - 230V	174157.00	311	2
	400 - 480V	174158.00	311	2
1 - 1 1/2	208 - 230V	174151.00	363	3
	400 - 480V	174152.00	363	3
	480 - 590V	174153.00	363	3
2 - 3	208 - 230V	174154.00	495	4
	400 - 480V	174155.00	495	4
	480 - 590V	174156.00	495	4
5	208 - 230v	174159.00	645	5
	400 - 480V	174160.00	645	5
	480 - 590V	174161.00	645	5
7 1/2	208 - 230V	174162.00	814	6
	400 - 480V	174163.00	814	6
	480 - 590V	174164.00	814	6
10	208 - 230V	174165.00	983	8
	400 - 480V	174166.00	983	8
	480 - 590V	174167.00	983	8

¤ Braking Resistors are included with the module and not purchased separately.

Specifications are subject to change without notice

Electronic Programing Unit

Electronic Programming Unit allows off-line set-up and replication of the drive's plug-in electronic programming module (shown at right). Excellent for multi-drive applications. Keypad input and alphanumeric display simplify programming. RS-232 serial port allows downloading of configuration files from personal computer.

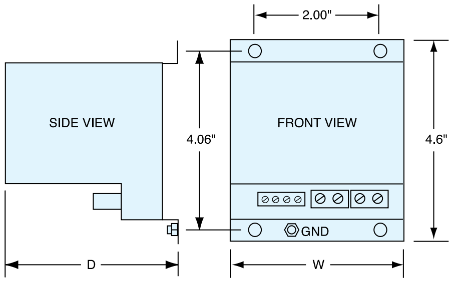
Catalog Number	List Price	App. Wgt. (lbs)
174189.00	883	2

DIN Rail - Mounting Kits

Steel plates and fasteners for mounting drives on standard 35mm DIN rails for panel building. Set of six.
174186 for "A" chassis drives.
174187 for "B" chassis drives.
174188 for "C" chassis drives.

Catalog Number	List Price	App. Wgt. (lbs)
174186.00	181	3
174187.00	203	3
174188.00	242	3

LEESON®



Dynamic Braking Modules Without Resistors*

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
15-20	208-230V	174417.00	429	10
15-30	400-480V	174418.00	429	10
15-25	480-590V	174419.00	429	10

* Dynamic Braking Resistors are purchased and mounted separately.

Specifications are subject to change without notice

Dynamic Braking Resistors**

Drive HP	Motor Voltage Rating	Catalog Number	List Price	App. Wgt. (lbs)
15-20	208-230V	174144.00	471	1
15-20	400-480V	174144.00	471	1
15-20	480-590V	174149.00	483	1
15-30	400-480V	174145.00	795	1
25	480-590V	174140.00	815	1

** Dynamic Braking Resistors are provided with mounting brackets.

Specifications are subject to change without notice

SM4 Remote Keypad

Potentiometer Kit takes the place of the up/down buttons on the drive's keypad gives operators hands-on speed control over the Inverter's speed range

Use with Width (W) dim. of:	Catalog Number	List Price	App. Wgt. (lbs)
6.28 or 7.12	174693.00	152	2
8.04 or 8.96	174697.00	157	2

Specifications are subject to change without notice

EPM Bulk Pack

Plug-in electronic programming modules (EPM). Allow off-line set-up and replication of program using Electronic Programming Unit. Set of 10.

Catalog Number	List Price	App. Wgt. (lbs)
174190.00	195	1

Specifications are subject to change without notice

Remote Keypad

Remote keypad kit for includes eight-foot connecting cable and gasket. Mounted in proper enclosure, the keypad kit will provide up to NEMA 4 protection. These keypads can only be used with Sub-Micro drives manufactured May, 1999 or later (date code of 9922 or higher).

Drive Type	Catalog Number	List Price	App. Wgt. (lbs)
SM Plus	174191.00	255	2
SM Series	174194.00	207	2
SM Vector	174306.00	255	2
SM2 Vector	174150.00	250	2

Specifications are subject to change without notice

Inverter Accessory Parts

Discriptor	Catalog Number	List Price
Micro Series Keypad	006707.01	59
Speed Pot (10k/5w pot, washers & nut)	006708.01	62

Specifications are subject to change without notice

Accessories / Kits

NEMA D Flange Kits - LEESON Motors Only

Motor Accessories - Field Installed
Steel and Cast Iron Frame Motors

Includes parts to convert a rigid base mounted motor to NEMA D face with base.
Shaded frame indicates cast iron motor kits for 150 and 170 series motors.
NOTE: The D Flange Kits can only be used on rigid base motors. They will not fit NEMA C face motors.

Frame	Enclosure	D Flange Kit Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
143T-145T	Enclosed	163115.60	136	6	
182T-184T*	Open / Enclosed	175694.00	265	12	D
	Open	175101.00	253	13	G
	Enclosed	175658.60	281	12	G
	Enclosed	175396.60	281	14	
213T-215T	Enclosed	175114.60	414	14	
	Open	175115.60	414	14	G
	Enclosed	175959.60	414	14	
254T-256T	Open	175116.60	531	25	
	Enclosed	175192.60	531	25	
284T-286T	Open	175118.60	635	42	
	Enclosed	175119.60	635	52	
324T-326T	Open	175120.60	814	57	G
	Enclosed	175121.60	814	57	
	Enclosed	175455.60	1102	57	
364T-365T	Open	175955.60	960	72	
	Enclosed	175657.60	960	72	
	Open	175602.60	1199	72	
	Enclosed	175604.60	1199	72	
404T-405T	Open	175956.60	1333	90	
	Enclosed	175957.60	1333	90	
444T-445T	Open	175607.60	1544	106	
	Enclosed	175608.60	1544	106	I

Green items Are For Premium Efficient Motors Only

Shaded frames are for Cast Iron Motors
Specifications are subject to change without notice

♥ Notes:

- D — Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher, or with a G prefix.
- F — For use with 213T-215T 3600 RPM motors only.
- G — Not for use with Premium efficient motors
- H — WATTSAVERe® II design, having oversized frame body.
- I — For use with 1200 and 1800 RPM motors only.

NEMA C Face Kits

Motor Accessories - Field Installed
LEESON - Steel Frame Motors

Includes parts to convert a rigid base mounted motor to NEMA C face with base.
The C Face Kits cannot be used as replacements on a factory-produced C face motor.
For motors with Catalog Numbers 092000–140999

Frame	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
42	Open / Enclosed	175661.00	55	2	
48	Open / Enclosed	175969.00	55	2	A
		175646.00	55	2	B
S56	Open	175000.00	55	2	
	Enclosed	175180.00	55	2	
	Open / Enclosed	175297.00	55	2	A
	Open / Enclosed	175647.00	55	2	B
56	Open	175075.00	65	2	
	Enclosed	175076.00	65	2	
(see note 2)	Enclosed	M064076.00	58	2	C
143T-145T	Open	175181.00	65	2	
	Enclosed	175077.00	65	2	
182T-184T	Open / Enclosed	175691.00	79	3	D
182T-184T Special	Open / Enclosed	175294.00	79	5	E
S213T	Open / Enclosed	175693.00	150	2	D
213T-215T (1750,1140, & 850 RPM)	Open	175845.00	150	19	
	Enclosed	175844.00	150	15	
213T-215T (3450 RPM)	ODP	175303.00	141	15	F
	Enclosed	175304.00	141	15	F

Specifications are subject to change without notice

1) When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.
2) Some larger HP 56-frame motors have larger shaft-end bearings and require a 143T-145T C Face kit. Contact LEESON.

♥ Notes:

A For use with motors having "K" or "P" suffix on date code.
B For motors manufactured after January 1, 2007, having a "B" suffix letter after the motor's date code.
C For use with Industry-Ag motors only, see page 182
D Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher, or with a G prefix.
E Converts a 182T-184T frame motor to the C-face dimensions of a 143T-145T or 182U184U frame motor –
F For use with 213T-215T 3600 RPM motors only.

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Accessories / Kits

NEMA C Face Kits

Motor Accessories - Field Installed
Lincoln - Steel Frame Motors

Models - SREW, SSEW, SRD, SSD, SRF, SSF, SF

Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
56	All	SREW, SRD	LM24631	65	2	1
56	All	SREW, SRD	LM24807	65	2	2
56	All	SRF	LM24808	65	2	1
56	All	SRF	LM24810	65	2	2
143T-145T	All	SSEW, SSD	LM24807	65	2	2
143T-145T	All	SSF	LM24810	65	2	2
182T-184T	All	SSF	LM25736	126	12	
182T-184T	All	SSEW, SRD, SSF	175691.00	79	3	4
213T-215T	All	SSEW, SSD	LM25737	149	15	
213T-215T	All	SSF	LM25738	149	12	
254T-256T	All	SSD	LM25740	192	13	
284T/TS-286T/TS	2 & 6-Pole	SD	LM24062	357	20	3
324T/TS-326T/TS	All	SD	LM24063	465	47	
324T/TS-326T/TS	All	SF	LM24057	517	33	
364T/TS-365T/TS	All	SD	LM24064	779	53	
364T/TS-365T/TS	All	SF	LM24058	779	33	
404T/TS-405T/TS	All	SD	LM24065	1,026	55	
404T/TS-405T/TS	All	SF	LM24059	1,026	53	
444T/TS-445T/TS	3600	SD	LM24066	1,120	80	
444T/TS-445T/TS	1200 & 1800	SD	LM24067	1,120	88	
444T/TS-445T/TS	3600	SF	LM24060	1,240	98	
444T/TS-445T/TS	1800	SF	LM24061	1,240	98	
447T/TS-449T/TS	3600	SD	LM24068	1,240	98	
447T/TS-449T/TS	1200 & 1800	SD	LM24069	1,240	98	
447T/TS-449T/TS	1200 & 1800	SF	LM32293	1,229	98	

Specifications are subject to change without notice

When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.

♥ Notes:
1 - 56 frames with 203 drive end bearing
2 -. 56 frames with 205 drive end bearing
3 - For 2-Pole and 6-Pole motors
4 - Motors built having the letter “M” after the date code

LEESON®

Motor Accessories - Field Installed
LEESON - Cast Iron Motors

Includes parts to convert a rigid base mounted motor to NEMA C face with base.
The C Face Kits cannot be used as replacements on a factory-produced C face motor.
For 150, G150 and 170 Series Cast Iron Motors Only

Frame	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
143T-145T	Enclosed	163116.60	136	6	
182T-184T	Enclosed	175805.60	179	12	
213T-215T	Open	175066.60	179	15	
	Enclosed	175068.60	179	15	G
	Enclosed	175869.60	179	15	
254T-256T	Open	175067.60	274	25	
	Enclosed	175191.60	274	25	
284T-286T	Open	175058.60	381	42	
	Enclosed	175061.60	381	42	
324T-326T	Open	175059.60	494	57	G
	Open	175454.60	494	57	
	Enclosed	175062.60	494	57	
364T-365T	Open	175060.60	826	75	
	Enclosed	175063.60	826	49	
	Open	175601.60	826	75	H
	Enclosed	175603.60	826	75	H
404T-405T	Open	175605.60	1087	60	
	Enclosed	175199.60	1087	60	
444T-445T	Open	175606.60	1189	115	
	Enclosed	175664.60	1189	115	
447T-449T	Enclosed	175958.60	1315	112	

Green items Are For Premium Efficient Motors Only
Specifications are subject to change without notice

When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.

♥ Notes:
G Not for use with Premium efficient motors
H WATTSAVERe® II design, having oversized frame body.

Accessories / Kits

NEMA C Face Kits

IEEE-841 Motors C Face Kits
Used with IEEE 841 motors as listed on page 89.

Frame	Catalog Number	List Price	App. Wgt. (lbs.)
145T	175787.00	189	7
180T	175788.00	282	10
210T	175789.00	338	16
250T	175790.00	400	35
280T	175791.00	522	47
320T	175794.00	604	89
360T	175795.00	1373	95
360TS	175796.00	834	91
400T	175797.00	1062	129

Specifications are subject to change without notice

Motor Accessories - Field Installed
Lincoln - Cast Iron Frame Motors

Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
143T	All	CCN, CCF, CCS	LM24811	65	7	
145T	All	CCN, CCF, CCS	LM24815	78	7	
182T-184T	All	CCF, CCS	LM25736	126	12	
182T-184T	All	CCF	175805.60	179	12	5
213T-215T	All	CCF, CCS	LM25739	149	20	
213T-215T	All	CCF	175869.60	179	15	5
254T-256T	All	CCF, CCS	LM27681	258	36	
254T-256T	All	CCN	LM31014	192	15	
254T-256T	All	CCF	175191.60	274	25	5
284T-286T	All	CCF, CCS	LM27576	357	42	
284T/TS-286T/TS	All	CCN	LM31019	357	35	
284T/TS-286T/TS	All	CCF	175061.60	381	42	5
324T/TS-326T/TS, 324U/ US-326U/US	All	CCF, CCS	LM28624	517	78	
324T/TS-326T/TS	All	CCF	175062.60	494	57	5
364T-365T	All	CCF, CCS	LM32284	779	78	
364T/TS-365T/TS	All	CCF	175603.60	826	75	5
364TS-365TS	All	CCF, CCS	LM32285	819	78	
364U-365U	All	CCF, CCS	LM32286	819	78	
404T-405T, 404U-405U	All	CCF, CCS	LM28501	1,026	85	
404TS-405TS	All	CCF, CCS	LM32288	1,078	85	
404T/TS-405T/TS	All	CCF	175199.60	1,087	60	5
444T-445T	All	CCF, CCS	LM32290	1,112	96	
444TS-445TS	All	CCF, CCS	LM32291	1,112	96	
444T/TS-445T/TS	All	CCF	175664.60	1,189	115	
447T-449T	All	CCF, CCS	LM32292	1,229	98	
447TS-449TS	1800 & 1200	CCF, CCS	LM32293	1,229	98	
447T/TS-449T/TS	All	CCF	175958.60	1,315	112	5

Green items Are For Premium Efficient Motors Only

Specifications are subject to change without notice

When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.

♥Notes
5 For Lincoln CI motors that start with LM6 and model numbers ending with AP21

NEMA C Face Kits

Motor Accessories - Field Installed
Lincoln - Aluminum Frame Motors

Frame	SYN RPM	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
182T-184T	All	AAF	LM26679	149	10	
182T-184T	All	AAF	175691.00	149	10	6
213T-215T	All	AAF	LM30146	174	15	
254U-256U	All	AF/AAF	LM30147	258	26	
284T/TS-286T/TS	All	AF/AAF	LM20116	357	28	

Specifications are subject to change without notice

NOTE: When changing a rigid mount motor to C Face motor, a non-NEMA BA dimension may result.

♥Notes
6 For Lincoln AL motors where the model numbers end with AP26

Kits and Accessories
Rodent Screen Kits

Frame	Enclosure	Catalog Number	List Price	App. Wgt. (lbs.)
182T-184T	Open	175872.00	129	1
213T-215T	Open	175871.00	233	1
254T-256T	Open	175873.60	335	2
284T-286T	Open	175874.60	335	3
324T	Open	175894.60	786	5
326T	Open	175875.60	786	4

Shaded frames are for Cast Iron Motors

Specifications are subject to change without notice

Chemical Service/
Severe Duty Conversion Kits

Cast iron fan covers for cast iron motors. Designed to easily convert TEFC motors to all cast iron construction. All these motors have inert, corrosion resistant fiber filled thermoplastic fan as standard. Kit includes one cast iron fan cover.

NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs.)
182T-184T	---	175663.60	212	10
213T-215T	---	175050.60	309	12
254T-256T	160	175051.60	415	18
284T-286T	180	175052.60	727	22
324T-326T	200	175053.60	759	29
364T-365T	225	175054.60	1133	39
404T-405T	250	175055.60	1235	49
444T-445T	280	175056.60	1398	59
447T-449T	---	175891.60	1398	112

Specifications are subject to change without notice

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Accessories / Kits

Drip-Cover Kits
For Drip-Proof Motors - LEESON Motors Only

Each kit includes one drip-cover. Designed to protect drip-proof motors from rain, snow and ice when mounted outdoors in a vertical position.

NEMA Frame	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
48-S56	175003.00	52	2	
	175298.00	52	2	A
56	175004.00	59	2	
143T-145T	175792.00	59	2	A
182T-184T	175614.00	75	3	
	175961.00	69	3	
213T-215T	175846.00	106	12	
	175305.00	106	12	F
213T-215T	175962.00	106	4	
254T-256T	175963.00	135	7	

Shaded frames are for Cast Iron Motors

Specifications are subject to change without notice

♥Notes
A For use with motors having "K" or "P" suffix on date code
F For use with 213T-215T 3600 RPM motors only

Lint-Cover / Drip-Cover Kit
For TEFC Motors - LEESON Motors Only

NEMA Frame	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
56-143T-145T	175024.00	92	2	
	175778.00	92	2	J
182T-184T	175695.00	179	3	D
213T-215T	175849.00	106	12	K

For Steel Frame Motors Only

Specifications are subject to change without notice

♥Notes
D Use this kit for 182-4T and S213T motors with catalog numbers 131454 and higher or with a G prefix
J For motors having face mounted fan guard
K For use with 1800 RPM motors only

JP Pump Drip Cover Kits

NEMA Frame	Enclosure	Catalog Number	List Price	♥ Notes
56-145JP	ODP or TEFC	175932.00	32	
182JP-184JP	ODP	175933.00	36	
213JP-215JP	ODP	175305.00	106	L

Specifications are subject to change without notice

♥Notes:
L For use with 213T-215T (213JP-215JP) 3600 RPM motors only

Motor Accessories - Blower Fan Kits
Field Installed
LEESON Motors Only

These kits are used for converting LEESON motors to totally enclosed blower cooled motors. Cooling per MG1.6 (IC46) The kits are designed for inverter and vector drive applications where continuous cooling is required regardless of motor shaft speed. The kit is mounted on the back of the motor after removing the fan guard and fan. Modifying the shaft is not required.

For use with Rolled Steel TEFC Motors only

Blower Voltage	Blower Motor Phase	NEMA Frame	Catalog Number	List Price	CFM	App. Wt. (lbs.)
115	1	56-145T	175876.00	816	115	4
115	1	56-145T	175775.00^	816	115	4
115	1	182-4T	175895.00	914	115	4
115	1	213-5T	175896.00	955	235	5

^ For 56/145T motors having face mounted (plastic) fan guards.

Specifications are subject to change without notice

For use with 150, G150 & 170 Series Cast Iron TEFC Motors only

Blower Voltage	Blower Motor Phase	NEMA Frame	Catalog Number	List Price	CFM	App. Wt. (lbs.)
115	1	182-4T	175674.00	914	260	10
115	1	213-5T	175675.00	955	260	11
115	1	254-6T	175676.00	1026	260	17
115	1	284-6T	175677.00	1233	500	24
115	1	324-6T	175678.00	1314	500	28
230/460	3	360T	175879.00	2728	500	35
230/460	3	400T	175880.00	3027	500	45
230/460	3	444T/445T	175558.00	3464	500	55

Specifications are subject to change without notice

Accessories / Kits

Encoder Kits - LEESON Motors Only

Specifications:

These kits include the parts and encoder for field assembly of slim-line, through-shaft encoder designed to slip over the motor's fan end shaft. Blower kit sold separately.

Features:

- Output is 1024 pulses per revolution
- 5 to 28 VDC line driver output. Short-circuit protection is standard. Inputs are over voltage and reverse voltage protected. Electrical noise immunity exceeds international standards. Encoders are isolated from shaft currents using hard anodized sleeves and non metallic anti-rotation hardware. Designed for long-life in industrial environments using an all-metal, shock resistant code disk. The encoder is protected by the motor's fan cover after mounting. Using a blower fan kit is suggested for proper motor cooling.
- Short circuit protection
- Isolated from shaft currents
- Shock resistant code disks
- Use with blower kits to protect and cool motors

For use with rolled steel, TEFC motors only

NEMA Frame	Catalog Number	List Price
56-145T	175960.00	1147
182-4T	175897.00	1661
213-5T	175898.00	1661

Specifications are subject to change without notice

For use with 150, G150 & 170 series cast iron TEFC motors only

NEMA Frame	Catalog Number	List Price
182-4T	175684.00	1422
213-5T	175685.00	1422
254-6T	175686.00	2296
284-6T	175687.00	2296
320T	175641.00	2342
360T	175642.00	2342
400T	175643.00	2342
440T (2 pole)	175644.00	2342
440T (4/6 pole)	175645.00	2342

Specifications are subject to change without notice

For use with Speedmaster® 2000:1 motors only

Encoder Description	Enclosure	Frame	Brand / Mod	PPR	Catalog Number	List Price
Modular Mount, 5-15 VDC, with EPIC connector	TENV	143-256T	Northstar SL56	1024	E175927.00	3206
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	1024	E175928.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	1024	E175929.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	Dynapar HS35	2048	E175930.00	2059
Shaft Mount, 5-26 VDC, with 10 pin connector	TENV	143-256T	BEI HS35	2048	E175931.00	2059
Modular Mount, 5-15 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Northstar SL56	1024	E175921.00	3206
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	1024	E175922.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	1024	E175923.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	Dynapar HS35	2048	E175924.00	2059
Shaft Mount, 5-26 VDC (Encoder Conduit Box Required)	TEBC	284-449T	BEI HS35	2048	E175925.00	2059
Conduit Box Required for all TEBC Units	—	—	—	—	ECB175926.00	229

Specifications are subject to change without notice

Accessories / Kits

Terminal Block Kits

Terminal block kits for 150 and 170 Series NEMA Frame Cast Iron motors. Can also be used for replacement on 193 Series Cast Iron and 192 Series aluminum IEC metric motors.

NEMA Frame	IEC Frame	Catalog Number	List Price	App. Wgt. (lbs.)
—	63-90L	175881.00≠	17	1
180/210T	100/112/132	175668.60	36	2
250/280T	160/180	175667.60	40	3
320/360T	200/225	175666.60	61	4
400/440T	250/280	175665.60	95	5

≠ Replacement terminal board for aluminum frame IEC motors.

Specifications are subject to change without notice

Accessories / Kits

Die Cast Aluminum Conduit Box Conversion Kit LEESON Motors Only

56/140-frame kit (pictured) includes die cast aluminum conduit box, cover, gaskets, grounding screw, mounting hardware and adapter plate for mounting box on existing holes in motor. 180 and 210-frame kits include all parts required to replace the conduit box including the die cast conduit box, plug, cover, gaskets and mounting hardware. No adapter plate is required because these kits mount on existing holes. All conduit boxes have 1/2-NPT tapped lead exit holes on two adjacent sides with one hole plugged. Note: the kit will not work with larger HP single-phase 210-frame motors.

NEMA Frame	Catalog Number	List Price	App. Wgt. (lbs.)
56-140T	175892.00	76	2
182-4T	175649.00	91	2
213-5T	175847.00	111	11

Specifications are subject to change without notice

Explosion - Proof Conduit Box

UL and CSA listed for Class I, Group C & D, and Class II, Groups E, F & G locations. Has grounding screw and all hardware provided. Mounts to motor by 3/4”-14NPT opening at rear of box. For NEMA 56 & 143-5T frame motors only. Box number 175755 has a 1” NPT thread.

Catalog Number	List Price	App. Wgt. (lbs.)
175026.00	103	2
175755.00 (1)	103	2

(1) For motors having a letter P after the date code.

Specifications are subject to change without notice

Accessories / Kits

Adjustable Motor Bases - NEMA 48-447T Frames

Heavy gauge steel mounting bases simplify the installation of motors and make the tensioning, maintenance and replacement of belts a simple efficient task. Fabricated from sheet or steel plate, then primed and finished in a gray rust and corrosion resistant oven-baked finish. Gussets and reinforcing channels on larger units and continuous seam welding on all units give these bases strength and durability for a long life. A single (215T frame and smaller) or double (NEMA 254T frame and larger) zinc plated adjusting screw is provided. Motor mounting bolts are included.

Adjustable motor bases are designed to mount to your existing motor's base

NEMA 48 thru 215T — NEMA 254T thru 447T

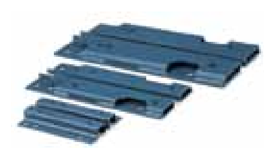
Frame	Catalog Number	AL	AM	AX	BB	E	F	AO	AR	AU**	BT	AT	XC	D* Bolt	AY Bolt	App. Wgt. (lbs.)
48	175032.00	10	6¼	1⅛	4¼	2⅛	1⅜	3½	2¾	⅜	3	.078	⅞	5/16 x 1	⅜ x 4	2
56	175033.00	10⅝	6½	1⅛	4½	2 7/16	1½	3 13/16	2⅞	⅜	3	.078	⅞	5/16 x 1	⅜ x 4	3
143T	175034.00	10½	7½	1⅛	5½	2¾	2	3¾	3⅜	⅜	3	.119	13/16	5/15 x 1	⅜ x 4	5
145T	175035.00	10½	8½	1⅛	6½	2¾	2½	3¾	3⅞	⅜	3	.119	13/16	5/15 x 1	⅜ x 4	6
182T	175036.00	12¾	9½	1½	6½	3¾	2¼	4½	4¼	½	3	.134	1½	⅜ x 1¾	½ x 5	9
184T	175037.00	12¾	10½	1½	7½	3¾	2¾	4½	4¾	½	3	.134	1½	⅜ x 1¾	½ x 5	9
213T	175038.00	15	11	1¾	7½	4¼	2¾	5¼	4¾	½	3½	.164	1½	⅜ x 1¾	½ x 5	13
215T	175039.00	15	12½	1¾	9	4¼	3½	5¼	5½	½	3½	.164	1½	⅜ x 1¾	½ x 5	15
254T	175040.00	17¾	15⅛	2	10¾	5	4⅛	6¼	6⅝	⅝	4	3/16	1 7/16	½ x 1¾	⅝ x 6	17
256T	175041.00	17¾	16⅞	2	12½	5	5	6¼	7½	⅝	4	3/16	1 7/16	½ x 1¾	⅝ x 6	18
284T	175042.00	19¾	16⅞	2	12½	5½	4¾	7	7½	⅝	4½	3/16	1 11/16	½ x 2	⅝ x 6	21
286T	175043.00	19¾	18⅜	2	14	5½	5½	7	8¼	⅝	4½	3/16	1 11/16	½ x 2	⅝ x 6	22
324T	175044.00	22¾	19¼	2½	14	6¼	5¼	8	8½	¾	5¼	3/16	2 3/16	⅝ x 2½	¾ x 9	31
326T	175045.00	22¾	20¾	2½	15½	6¼	6	8	9¼	¾	5¼	3/16	2 3/16	⅝ x 2½	¾ x 9	32
364T	175046.00	25½	20½	2½	15½	7	5⅝	9	9⅛	¾	6	¼	2 1/16	⅝ x 2½	¾ x 9	44
365T	175047.00	25½	21½	2½	16½	7	6⅛	9	9⅝	¾	6	¼	2 1/16	⅝ x 2½	¾ x 9	45
404T	175048.00	28¾	22⅜	3	16½	8	6⅛	10	9⅞	⅞	7	¼	2½	¾ x 3	¾ x 11	60
405T	175049.00	28¾	23⅞	3	18	8	6⅞	10	10⅝	⅞	7	¼	2½	¾ x 3	¾ x 11	61
444T	175088.00	31¼	24⅝	3	19¼	9	7¼	11	11	⅞	7½	¼	2½	¾ x 3	¾ x 11	68
445T	175089.00	31¼	26⅝	3	21¼	9	8¼	11	12	⅞	7½	¼	2½	¾ x 3	¾ x 11	73
447T	175090.00	31¼	30⅛	3	24¾	9	10	11	13¾	⅞	7½	5/16	3	¾ x 3½	¾ x 11	92
449T	175302.00	31¼	35⅛	3	29¾	9	12½	11	16¼	⅞	7½	5/16	3	¾ x 3½	¾ x 11	95

* Motor mounting bolt diameter and length, four supplied with each base.
** Base mounting bolts, four required—not supplied with base.

NOTE: These bases are not suitable for vertical mounting. All dimensions in inches.

Specifications are subject to change without notice

Transition Bases



Transition bases compensate for the difference in mounting dimensions and shaft height of a rigid base NEMA T frame to the next higher NEMA U frame. This makes it possible, for example, to replace a 10 HP NEMA 254U frame motor with a 10 HP NEMA 215T frame motor without modifying the basic installation. Made of the same high-quality materials and construction as the adjustable motor bases above. They are for horizontal mountings, shimming may be needed for direct coupled loads. Thread size listed is for mounting transition base to the "T" frame motor. Dimensions listed are for one piece—two are supplied, one for each side of the motor's foot.

Converts T Frame	To U Frame	Catalog Number	List Price	App. Wgt. (lbs.)	Height (Inches)	Width (Inches)	Length (Inches)	Thread
143T/145T	182/184	175091.00	79	2	1	2 1/4	7 1/2	5/16-18
182T/184T	213/215	175092.00	115	3	3/4	1 3/4	9 1/2	3/8-16
213T/215T	254U/256U	175093.00	135	5	1	2 7/16	12 3/4	3/8-16
254T/256T	284U/286U	175094.00	190	8	3/4	2 3/4	14 1/4	1/2-13
284T/286T	324U/326U	175095.00	253	10	1	3 1/4	15 3/4	1/2-13
324T/326T	364U/365U	175097.00	321	13	1	3 11/16	16 1/2	5/8-11
364T/365T	404U/405U	175098.00	429	22	1	4 1/4	18 5/8	5/8-11
404T/405T	444U/445U	175127.00	549	24	1	4 1/4	21 5/8	3/4-10

Specifications are subject to change without notice

LEESON

CE Field Conversion Kits
Lincoln Motors Only

Three Phase Motors Only

Model Numbers Beginning With:	Model Efficiency Code(s)	Frame Size	Catalog Number	List Price	App. Wgt. (lbs.)	♥ Notes
SD & SSD	P, B	143T-184T	LM22093	203	2	
		213T-215T	LM22188	203	2	
		254T-256T	LM25632	203	2	
		284T-326T	LM12429	223	2	2
		364T-365T	LM12430	672	2	1
		404T-405T	LM12454	1,085	35	1
		444T-445T	LM12463	1,403	40	1
		447T-449T	LM12479	1,403	40	1
AF & SF	S, H	143T-145T	LM08476	203	2	
(also includes AB, AN & SB)		182T-184T	LM08478	203	2	
		213T-215T	LM08582	293	2	
		254T-256T	LM08664	293	5	
		284T-286T	LM08665	293	2	9
		324T-326T	LM08709	293	2	3
		364T-365T	LM08720	334	2	3
		404T-405T	LM08738	334	2	3
		444T-445T	LM08827	1,006	40	1, 3
AF, AAF & SSF	S,P,B	143T-145T	LM18872	159	2	
		182T-184T	LM18873	203	2	
AF & SF	P, B	213T-215T	LM18874	203	1	
		254T-256T	LM19985	203	2	
		284T-286T	LM18876	293	1	
		324T-326T	LM18866	293	3	
		364T-365T	LM18868	738	35	1
		404T-405T	LM18869	334	3	
		444T-445T	LM18870	445	4	
		447T-449T	LM18871	1,213	40	1
CS, CCF & CCS		143T-184T	LM18864	203	2	
(excludes those motors	P, B	213T-256T	LM18865	203	2	
with NN in NOTES column)		284T-326T	LM18866	293	3	
		364T-405T	LM18867	334	3	
		444T-445T	LM18870	445	4	
		447T-449T	LM18871	1,213	40	1, 2
MD & SE	S	284T-286T	LM12429	223	2	
		324T-365T	LM16572	286	2	
		404T-405T	LM16574	834	40	1
		404T-405T	LM12454	1,085	35	1
		444T-445T	LM16577	1,175	40	1

Specifications are subject to change without notice

Notes: P=Epact, B=Preimum, S=Standard Eff., G=U-Frame Standard
1. Kit includes larger than standard terminal box.
2. Terminal box is heavy gauge steel CS models normally have cast iron box
3. Blower motor on TEBC CTAC models, 284T frames and larger, is not CE compliant
* Multiguard mtrs

Usable on 380 to 575V (for others, contact Lincoln). Price includes terminal strip suitable for six connections and grounding lug. Contact Customer Service regarding nameplate with CE Mark. Copies of Lincoln's Declaration of Conformity for the Low Voltage Declaration of Conformity for the Low Voltage Directive and Manufacturer's Declaration for the Machinery Directive are available on request

Accessories / Kits

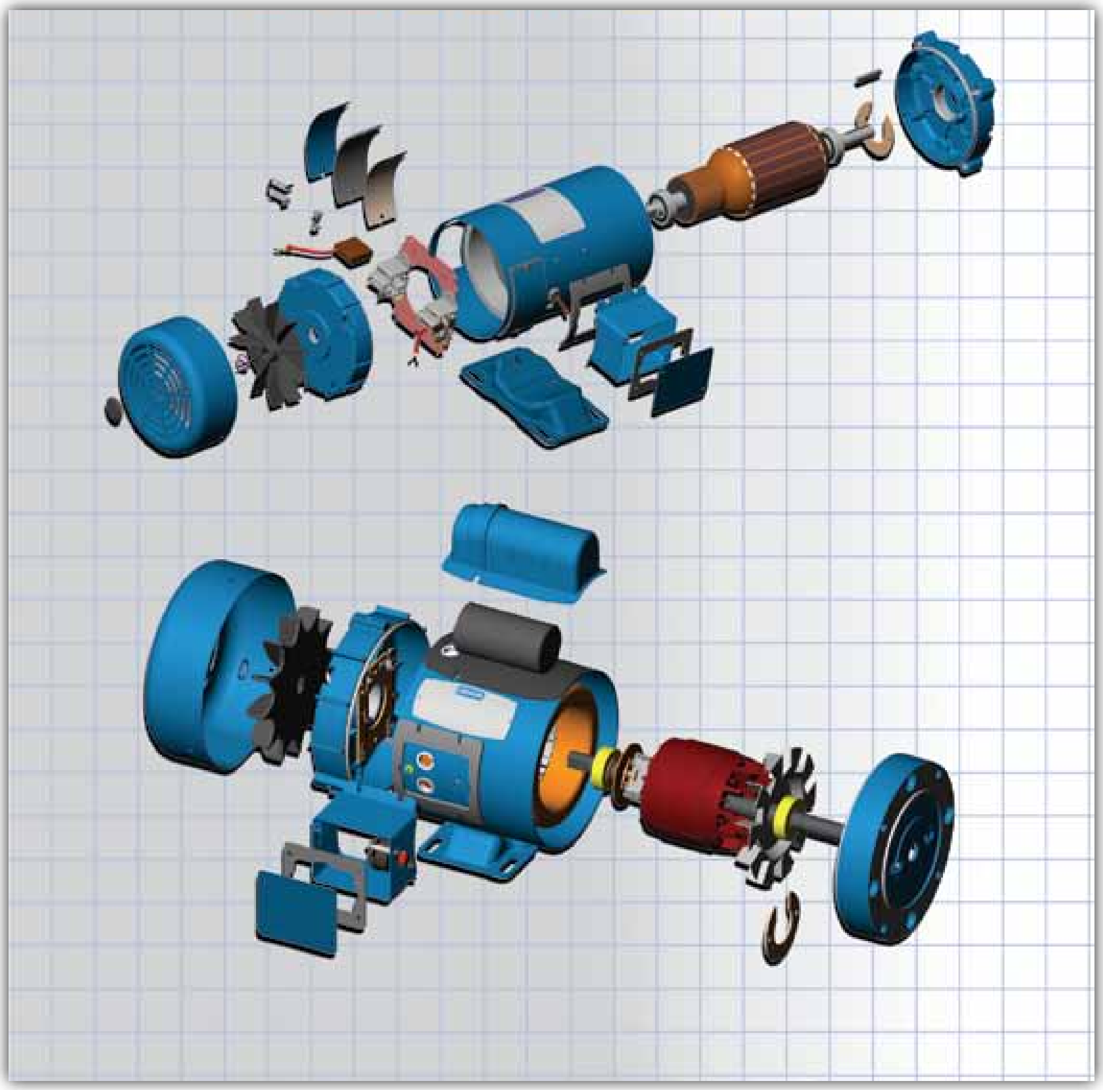
Lincoln Motors SGR Shaft Grounding Rings

Shaft grounding is recommended (NEMA MG1 31.4.4.3) as an effective means of bearing protection for motors operated from inverter power. One grounding device is adequate to bleed down inverter-sourced shaft voltages, thereby protecting both bearings for motors as large as 6085 frame. Kits includes grounding ring, mounting hardware and instructions. Shaft ground rings fit these Lincoln NEMA shaft extension frames listed below, they are designed to mount on the shaft end.

Shaft Grounding Ring (SGR)

NEMA Frame	Catalog Number	Stock	List Price
48	LM32396	√	173
56	LM32397	√	173
143-145T	LM32398	√	173
182-184T	LM32399	√	202
213-215T	LM32401	√	230
254-256T	LM32402	√	288
284-286T	LM32403	√	515
284-286TS	LM32402	√	288
324-326T	LM32405	√	404
324-326TS	LM32403	√	515
364-365T	LM32407	√	461
364-365TS	LM32403	√	515
404-405	LM32409	√	687
404-405TS	LM32405	√	404
444-445T	LM32411	√	1207
444-445TS	LM32407	√	461
447/449T	LM32411	√	1207
447/449TS	LM32407	√	461

Specifications are subject to change without notice



Contact your local LEESON Sales office for genuine replacement motor parts.

Mod-Squad Stock Motor Modification Program

Your motor, your way...now

The Mod-Squad stands on alert ready to tailor a LEESON or Lincoln stock motor to meet your modified motor needs in a few days or less. From one modified motor up to a few—there is no faster, more versatile source for mechanically or electrically "customerized" motors.

Starting with an off-the-shelf LEESON or Lincoln motor selected from the nearly 6,000 LEESON or Lincoln stock motors, the modifications listed here can be completed in the time frame noted for each item.

Ordering Information

To order please specify the catalog number of the LEESON or Lincoln stock motor to be modified and the Mod-Squad modification catalog number or numbers desired.

An inventory of popular motors is maintained by the Modification Center for fast delivery. However, delivery of the modified motor is governed by availability of the stock motor. If a stock motor is shipped from a District Warehouse to the Modification Center in Indianapolis, IN, the cost of the inbound freight is added to the price of the modified motor and delivery of the modified motor will be extended by the inbound transit time.

Modification list prices are subject to the same discounts as apply to the motor. (Some motors, such as explosion-proof, may not be modified.) Days noted are working days excluding holidays and weekends—larger quantities may require additional leadtime.

MOD-SQUAD Cancellation Policy

Modified motors may not be returned for credit or re-stocking. If a modification order is cancelled before shipment, a cancellation charge of double the modification charge will be invoiced to the customer. Any Mod-Squad order cancelled before modification is completed is subject to cancellation charges of 10% of total charges for that item.

Terms are net 30 days, FOB Indianapolis, IN, with freight prepaid on single shipments of 1,500 pounds or 3,000 dollars or more to the first destination within the continental United States, excluding Alaska.

Index to Motor Modifications

LEESON®

L1 Balancing — Two Days*

The LEESON balancing modification has been discontinued due to high costs of re-balancing by an outside firm. Contact your sales office for a quote on special or precision balanced production motors, requiring a minimum order of 10 pieces or contact a LEESON Authorized Service Center for a quote on a Special balance modification.

L2 Bearing Modifications — Two Days

#L2a Changing shielded bearings to sealed bearings on stock motors. 48, 56 and 143T-145T, Agricultural motors as well as all Washguard duty and Wash-Thru motors have sealed bearings as standard. Note! Adding sealed bearings to motors having grease fittings may not make the bearings regreasable. Grease fittings will be removed and plugged.

NEMA Frame	Catalog Number	List Price
42	L2A42	180
48	L2A48	180
56	L2A56	180
143T-145T	L2A140	185
182T-184T	L2A180	202
213T-215T	L2A210	214
254T-256T	L2A250	377
284T-286T	L2A280	480
324T-326T	L2A320	631
364T-365T	L2A360	1119
404T-405T	L2A400	1159
444T-449T	L2A440	1544

#L2b Stock motors with shielded or sealed bearings – Replace standard bearings with ones having low-temperature lubricant (Beacon #325 or equivalent), with a temperature range of –75°F to +250°F. Standard lubricant has a temperature range of –20°F to +300°F and is considered a high temp lubricant for these motors. Explosion proof motors can only be rated to a –13°F temperature.

NEMA Frame	Catalog Number	List Price
42	L2B42	180
48	L2B48	180
56	L2B56	180
143T-145T	L2B140	185
182T-184T*	L2B180	202
213T-215T*	L2B210	214

*Rolled steel, cast iron or aluminum motors

#L2c Change bearing grease on cast iron motors with open-type regreaseable bearings. Endbells and bearings are purged and repacked with low-temperature grease (Beacon #325 or equivalent) with a temperature range of -75°F to +250°F or high-temperature grease (Dow Corning DC44M or equivalent) with a temperature range of -40°F to +400°F. Specify grease to be used. Check with LEESON to verify the motor can operate in the temperature range required! LEESON Only.

NEMA Frame	IEC Frame	Catalog Number	List Price
254T-256T	–	L2C250	346
284T-286T	160	L2C280	386
324T-326T	180	L2C320	540
364T-365T	200	L2C360	578
404T-405T	225	L2C400	925
444T-449T	250	L2C440	1271

#L2d Install insulated bearings to protect inverter-driven motors from inverter-sourced shaft voltages. May not be installed on Division 1 or Division 2 hazardous locations. Contact factory for lead time on installing insulated bearings.

NEMA Frame	Catalog Number	List Price
143T-145T	L2D140	447
182T-184T	L2D180	536
213T-215T	L2D215	1578
254T-256T	L2D250	1679
284T-286T	L2D280	1679
324T-326T	L2D320	1824
364T-365T	L2D360	1865
404T-405T	L2D400	1886
444T-449T	L2D440	2091

Mods / Factory Options

L3 Brakemotor Modifications - LEESON Only — Three Days

"Motors and BrakeKits sold separately"

#L3a Convert brakemotors (TENV only) with standard enclosure brakes to weatherproof brakes by changing the disc brake. Weatherproof brakes have additional sealing and protection. Price includes cost of weatherproof brake.

Catalog Number	List Price
L3A3	791
L3A6	791
L3A10	806
L3A15	831
L3A25	914

#L3b Change the standard brake to one with a different torque rating. Specify torque rating. Standard enclosure brakes only—not weatherproof. Some torque limitations apply, specify torque rating. Catalog Number L3B. List price - $154

#L3c Change Brake Coil Voltage. Change from standard coil voltage to 115 volts (for Stearns brand brakes only). Catalog Number L3C.List Price $154


BrakeKit Installation

#L3d Install a LEESON BrakeKit. See page 46 for BrakeKits available and motors that can be converted. Specify the catalog number of both the stock motor and the BrakeKit. List Price $315

#L3e Remove brake from stock brakemotor for customers supplying their own brake. Specify Catalog Number L3E. List Price $315

#L3f Assemble double C-face coupler brake on C-face motor. MOD charge is for assembly only. Brake and motor are purchased separately. Specify the catalog number of the stock motor and coupler brake.
Catalog Number L3F56140 - 56C, 143TC, or 145TC motors. List Price $315
Catalog Number L3F180210 - 182TC, 184TC, 213TC, or 215TC motors. List Price $464

#L3g Change Brake Coil Voltage. Change from standard coil voltage to 200 volts (for Stearns brand brakes only).
Catalog Number L3G1.5-3 – 1.5 & 3 lb-ft brakes. List Price $374
Catalog Number L3G6-10 – 6 & 10 lb-ft brakes. List Price $374

L5 Cords, Plugs and Grounding Provisions — Three Days

#L5a For single phase motors, install grounded line cord of type S.O., three-conductor oil resistant cord, connected in the conduit box or terminal panel, with strain relief. No plug. **Specify cord length, voltage and shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**

Wire Gauge	Max Amp Rating Single Phase	Catalog Number 6 ft. or Less	List Price 6 ft. or Less	Catalog Number Each Add'l. Foot	List Price Each Add'l Foot to 10 ft. Max.
16	13	L5A16	154	L5A16ADD	2
14	18	L5A14	162	L5A14ADD	2
12	25	L5A12	170	L5A12ADD	3

#L5b Install 6-foot grounded type S.O. cord with plug, 115VAC single phase only. **Specify cord length, shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**

HP	Catalog Number 6 ft. or Less	List Price 6 ft. or Less	Catalog Number Each Add'l. Foot	List Price Each Add'l Foot to 10 ft. Max.
1 and smaller	L5B	149	L5BADD	2


Grounded Cord w/Plug

#L5c Add an additional grounding screw to the endbell of drip-proof or totally enclosed non-ventilated NEMA 48 or 56 frame motors. Meets UL 1081 swimming pool motor grounding provisions (includes slinger). Catalog Number L5C. List Price $131

L6 Switches – Power or Electronic Starting — Three Days

#L6a On-off switch for 2 HP and smaller single phase motors only. Install double-pole, single-throw switch in the conduit box, with switch guard and a 6-foot type S.O. cord with grounded plug, **115 VAC or 230 VAC—please specify. Also specify shaft rotation (clockwise or counterclockwise) viewed from the drive shaft end of the motor.**


On-Off Switch w/Guard

Rating	Catalog Number	List Price
16-20A/115V or 230V	L6A	319

#L6b Replace mechanical centrifugal switch on single phase motors 2HP and smaller with solid-state, encapsulated, electronic starting switch. Capacitor-start, induction-run motors only. **Subject to engineering approval.** Catalog Number L6B. List Price $334

L7 Severe Duty - Cast Iron Fan Covers - LEESON Only — Three Days

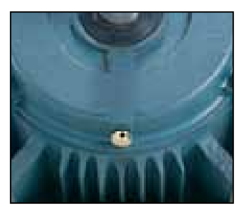
#L7a Remove steel fan guard and install a cast iron fan guard on LEESON 150, G150 and 170 series NEMA and 193 series IEC TEFC cast iron motors to meet severe duty, mill and chemical duty specifications. Note: These motors have cast iron endbells, frame, and conduit box as standard. **Lincoln Motors has a line of Severe Duty motors that include a cast iron fan guard.** See page 91.

NEMA Frame	IEC Frame	Catalog Number	List Price
182T-184T	–	L7A180	335
213T-215T	–	L7A210	376
254T-256T	–	L7A250	460
284T-286T	160	L7A280	717
324T-326T	180	L7A320	743
364T-365T	200	L7A360	1048
404T-405T	225	L7A400	1135
444T-445T	250	L7A445	1143
447T-449T	280	L7A449	1165


Cast Iron Fan Cover

L8 Condensate Drains - Totally Enclosed Motors — Two Days

#L8a 215T and smaller steel frame motors. Drill one or two condensation drain holes on the periphery or in the face of each endbell of steel frame 215T frame and smaller totally enclosed motors. **Specify location in both the shaft end and opposite endbell using a drawing or clockface analogy.** When specified, a drain can be added to the face of one endbell for shaft up or down mounting.


Condensate Drain

NEMA Frame	Catalog Number	List Price
215T and smaller	L8A40210	235
254T-365T	L8A250360	326
404T-449T	L8A400440	391

#L8b 182T and larger cast iron frame motors. Provides an additional one-way, cross-drilled stainless steel condensation drain on the periphery or in the face of each endbell. Provide a drawing or clockface analogy for position in each endbell.

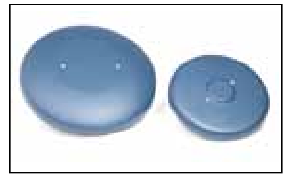
NEMA Frame	Catalog Number	List Price
215T and smaller	L8B40210	235
254T-365T	L8B250360	326
404T-449T	L8B400440	391

Mods / Factory Options

L9 Drip Cover – Open, Drip-Proof Motors — Two Days

#L9a Install a drip cover on steel frame motors. Price includes drip cover. LEESON Only

NEMA Frame	Catalog Number	List Price
48-145T	L9A40140	154
182T-184T	L9A180	167
213T-215T	L9A210	185


Drip Cover

#L9b Install a drip cover on cast iron motors. Price includes drip cover.
LEESON Only

NEMA Frame	Catalog Number	List Price
182T-184T	L9B180	167
213T-215T	L9B210	185
254T-256T	L9B250	222

#L9c Install a drip cover on SPD, SRD and SSD Model Numbers. Not suitable for use on motors having NN in Notes column.
Lincoln Only

NEMA Frame	Catalog Number	List Price
48-56*	L9C4856	154
56-145T	L9C56145	154
182T-184T	L9C182184	167
213T-215T	L9C213215	185

* Motors having a 2.18 inch bolt circle for the mounting holes

L10 Leads – Reconnect, Remark or Extend — Two Days

#L10a Re-Connect leads in the conduit box to a single voltage and/or for wye or delta connection. Most motors 444T frame and above are single voltage. Specify voltage and connection.

NEMA Frame	Catalog Number	List Price
48-145T	L10A40140	170
182T-184T	L10A180	269
213T-215T	L10A210	358
254T-256T	L10A250	402
284T-286T	L10A280	531
324T-326T	L10A320	600
364T-365T	L10A360	600
404T-405T	L10A400	673
444T-449T	L10A440	750

#L10c Extend leads up to 42 inches longer than standard by splicing. **Specify additional length required.**

NEMA Frame	Catalog Number	List Price
48-145T	L10C40140	170
182T-184T	L10C180	269
213T-215T	L10C210	358
254T-256T	L10C250	402
284T-286T	L10C280	531
324T-326T	L10C320	600
364T-365T	L10C360	600
404T-405T	L10C400	673
444T-449T	L10C440	673

#L10b Remark leads using metal markers. Any size motor. **Specify markings, letters or numbers. Specify Catalog Number L10B.** List Price $180

#L10d Add crimp-type terminal lugs – steel frame motors. Lugs standard on LEESON cast iron motors. **Specify Catalog Number L10D.** List Price $140

L11 Shaft Seals — Three Days

#L11a Install an oil seal on the shaft end of 215T and smaller steel frame LEESON motors. May be installed on single, three phase or direct current motors, but not explosion-proof motors.

Catalog Number	List Price
L11A	448

L12 Mountings

Two Days

#L12a Add a stamped steel rigid base to steel frame motors. For 182-4T frame motors, minimum 8.50" (TEFC, rigid, C face) or 8" (ODP, rigid, C face) frame length is required. LEESON Only

NEMA Frame	Catalog Number	List Price
42-48	L12A4248	180
56	L12A56	183
143T-145T	L12A140	183
182T-184T	L12A180	221
213T-215T	L12A210	269

Note: It is not possible to add a base to some three phase motors as the resulting rigid base motor will be subject to EISA mandated efficiency values. Contact the factory.
This Mod. cannot be done on an explosion proof motor for an F2 conduit box location.

#L12b Remove stamped steel rigid base from steel frame motors.

NEMA Frame	Catalog Number	List Price
42-56	L12B4256	277
143T-145T	L12B140	277

#L12c Install a NEMA C face on steel frame motors 215T and smaller. **Specify if the rigid base is to be removed. If so, add for modification #L12b listed above.** List Price includes C face Kit. LEESON Only

NEMA Frame	Catalog Number	List Price
42-56*	L12C4256	234
143T-145T	L12C140	234
182T-184T	L12C180	253
182T-184T**	L12C180U	253
213T-215T	L12C210	313

*Adding a 48 C-Face results in a non-NEMA BA dimension.
** Convert a 182T-184T frame motor to have a C-face dimensions of a 143T-145T or 182U-184U frame motor (AJ = 5 7/8 ", AK = 4 1/2"). The shaft dimensions and base location will not change.

#L12d Install a NEMA C face to 150 or 170 series cast iron motors. **The rigid base cannot be removed from these cast iron frame motors (non-800 Series).** List Price includes C face Kit. LEESON Only

NEMA Frame	Catalog Number	List Price
182T-184T	L12D180	420
213T-215T	L12D210	458
254T-256T	L12D250	580
284T-286T	L12D280	701
324T-326T	L12D320	910
364T-365T	L12D360	988
404T-405T	L12D400	1080
444T-445T	L12D440	1327
447T-449T	L12D4479	1403

#L12e Install a NEMA D flange to open or totally enclosed motors of steel frame construction in 182-4T frame and cast iron 150 and 170 series motors in 213T frames through 445T frame. Steel rigid base can be removed from steel frame 182-4T frame motors. **Specify and add for modification L12b.**
Rigid base cannot be removed from cast iron frame motors. List Price includes C face Kit.
LEESON Only

NEMA Frame	Catalog Number	List Price
182T-184T	L12E180	420
213T-215T	L12E210	458
254T-256T	L12E250	580
284T-286T	L12E280	701
324T-326T	L12E320	910
364T-365T	L12E360	988
404T-405T	L12E400	1324
444T-445T	L12E440	1724

#L12f Convert standard F1 motors to F2, sidewall or ceiling mounting. Consists of repositioning the endbell vents and condensation drains where applicable and the conduit box lead hole. Note: If brakemotor, brake knob will be located at 6 o'clock. Note: Only the 56/140 frame motors can have the motor bases removed where needed. LEESON only - contact Sales office for Lincoln motors. List Price includes C face Kit.

NEMA Frame	Catalog Number	List Price
56-184T	L12F56180	358
213T-215T	L12F210	388
254T-326T	L12F250320	464
364T-449T	L12F360449	600

* Three phase only; single phase motors cannot be converted. Please contact factory for Explosion proof motor approval for this modification. Washdown motors cannot be converted to F2.

#L12g Rotate standard conduit box position by 90° increments. **Specify by clock face, i.e. 9 o'clock, 12 o'clock, etc. for position (viewed from shaft end).** Consists of repositioning the endbell vents and condensation drains where applicable and the conduit box lead hole. Note: If brakemotor, brake knob will be rotated 90° from conduit box. **This mod. can no longer be offered on the 180 and 210 frame motors for the bases of these motors can no longer be removed without damaging the motor.**

NEMA Frame	Catalog Number	List Price
56-145T	L12G56140	358

* Three phase rolled steel only; single phase motors cannot be converted.

LEESON®

More L12 mountings on next page.

Mods / Factory Options

L12 Mountings — Two Days

#L12h Install a metric (IEC) B5 flange to 190 series cast aluminum or cast iron AC motors and DC steel frame motors. List Price includes C face Kit. LEESON Only

IEC Frame	Catalog Number	List Price
63	L12H63	228
71	L12H71	235
71(DC)	L12HD71	235
80	L12H80	244
80 (DC)	L12HD80	244
90	L12H90	248
90 (DC)	L12HD90	248
100	L12H100	272
112	L12H112	282
100/112/(DC)	L12HD100112	282
132	L12H132	319
160	L12H160	458
180	L12H180	521
200	L12H200	647
225	L12H225	826

#L12j Install a metric (IEC) B14 face to 190 series cast aluminum or cast iron AC motors and DC steel frame motors. List Price includes C face Kit. LEESON Only

*Note: C-face kit (B14) not available in NEMA frame 180.

IEC Frame	Catalog Number	List Price
63	L12J63	220
71	L12J71	228
71 (DC)	L12JD71	228
80	L12J80	234
80 (DC)	L12JD80	234
90	L12J90	243
90 (DC)	L12JD90	243
100	L12J100	265
112	L12J112	272
100/112 (DC)	L12JD100112	272
132	L12J132	312
160	L12J160	448

#L12k Reposition feet and nameplate (to relocate conduit box) on AC aluminum-frame IEC motors (63 thru 90L frame). LEESON Only

IEC Frame	Catalog Number	List Price
63	L12K63	160
71	L12K71	169
80	L12K80	180
90	L12K90	226

#L12l Install C-Face. For motors having AF/AAF in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
182T-184T	L12L182184	253
213T-215T	L12L213215	313
254T-256T	L12L254256	353
284T-286T	L12L284286	397

#L12m Install C-Face. For motors having SRF in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
56 (203 brg)	L12M56203	234
56 (205 brg)	L12M56205	234

#L12n Install C-Face. For motors having SSF in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143-145T	L12N143145	234
182-184T	L12N182184	253
213-215T	L12N213215	313

#L12o Install C-Face. For motors having SF in the model number, having a cast iron endbell. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
324T/TS-326T/TS	L12O324326	910
364T/TX-365T/TS	L12O364365	988
404T/TS-405T/TS	L12O404405	1080
444T/TS-445T/TS	L12O444445	1327
447T/TS-449T/TS	L12O447449	1403

#L12p Install C-Face. For motors having CCN in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143-145T	L12P143145	234

#L12q Install C-Face. For motors having CCF in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143T-145T	L12Q143145	234
182T-184T	L12Q182184	420
213T-215T	L12Q213215	458
254T-256T	L12Q254256	580
284T-286T	L12Q284286	701
342T-326T	L12Q324326	910

#L12r Install C-Face. For motors having CCS in the model number. List Price includes C face Kit. Lincoln Only

NEMA Frame	Catalog Number	List Price
143T-145T	L12R143145	234
182T-184T	L12R182184	420
213T-215T	L12R213215	458
254T-256T	L12R254256	580
284T/TS-286T/TS	L12R284286	701
342T/TS-326T/TS	L12R324326	910
364T/TS-365T/TS	L12R364365	988
404T/TS-405T/TS	L12R404405	1080
444T/TS-445T/TS	L12R444445	1327

L13 Nameplates — Three Days

#L13a Provide an extra motor nameplate-unmounted. (Nameplate only) Add customer part number or change to other voltage or frequency service. **Unmounted nameplates are not available for explosion-proof motors. Note: Markings for UL and CSA cannot be included on unmounted nameplates that are shipped loose and not installed on a motor.**① Add $1 (net) for each additional Aluminum or Mylar nameplate.② Add $2 (net) for each additional stainless steel nameplate.② Catalog Number L13A. List Price pet motor $129
60Hz single phase motors cannot be re-rated to 50Hz **Must Provide Date Code Information (bold RED)**

#L13b Replace, existing nameplate on provided motor. Add customer part number or change to other voltage or frequency service and mount to motor.① List Price per motor $154
Note: Not available for motors that are all stainless steel construction.

#L13c Replace standard aluminum nameplate with stainless steel nameplate. LEESON cast iron, WASHGUARD and severe duty motors have stainless steel nameplates as standard.① Add $2 (net) for each additional stainless steel nameplate.② List Price per motor $154
① Must specify catalog number and date code of motor's existing nameplate. Nameplates changed to a single voltage connection does not mean motors would be re-connected to this connection unless the L10 Mod is also requested. ② Additional nameplates must be identical.

L14 Paint — Two Days*

#L14a Repaint motor to another LEESON or Lincoln stock paint color. A sample of choices include LEESON blue, white epoxy, farm duty red, light gray epoxy, black, or black epoxy. Powder coat paint is not available as a modification For Lincoln motors, your choices include: Lincoln gray, severe duty blue, black or gloss white. Not available on Lincoln Wash-thru motors. **Specify color.**

*Note: Epoxy paint requires extra curing time. Please allow one additional day.

	Frame	Catalog Number	List Price
NEMA	42-215T	L14A40210	154
NEMA	254T-365T	L14A250360	312
NEMA	404T-449T	L14A400440	500
IEC	63-90	L14A6390	154
IEC	100-225	L14A100225	313

L15 Rodent Screens - LEESON Only — Two Days

#L15a Add rodent screens to open drip-proof motors, cast iron and steel frame, 326T and smaller.

NEMA Frame	Catalog Number	List Price
182T-S213T	L15A40210	245
254T-286T	L15A250280	560
324T-326T	L15A320	752

L16 Space Heaters, Anti-Condensation — Five Days

#L16a Add anti-condensation space heaters to totally enclosed or open motors. Standard space heater voltage is 115 VAC. **Heaters for 230 or 460 VAC are available. Specify circuit voltage.** May be installed in single, three phase or direct current motors. Explosion proof motors are not included. Washdown duty motors are not included.

NEMA Frame	Catalog Number	List Price
145T and smaller	L16A40140	341
182T-215T	L16A180210	431
254T-365T	L16A250360	644
404T-449T	L16A400440	845

L17 Lint-Proof Textile Service Motors - LEESON Only — Two Days

#L17a Convert a standard totally enclosed-fan cooled motor to textile service by modifying the fan cover to reduce "snagging" of lint and reduction in cooling air for the motor. Price includes kit cost.

NEMA Frame	Catalog Number	List Price
56-145T	L17A40140	312
182T-184T	L17A180	408

Lint-Proof Kit

Mods / Factory Options

L18 Motor Protection — Two Days

#L18a Thermostats on the winding. Install one or more thermostats in the windings of NEMA frame AC motors on the brush plate of DC motors or on the inside of frame on Sub-FHP DC motors. These are pilot or signal devices only, to be used in series with a motor controller or starter to remove power from the motor. Red color leads are brought into the conduit box. **Specify normally open or closed contacts.** Normally closed thermostats connected in series. **Thermostats cannot be installed in explosion-proof motors.**

Type	NEMA Frame	Catalog Number	No. of Devices	List Price
Single Phase	All	L18AS40210	1	195
Three Phase	42-215T	L18AT40210	2	221
Three Phase	254T-365T	L18AT250360	2	600
Three Phase	404T-449T	L18AT400440	2	750
Direct Current	42-56	L18AD4056	1	221

#L18b For a motor equipped with a thermal overload, exchange a manual or automatic reset thermal overload to the opposite style. Delivery is dependent upon availability of the thermal overload. LEESON Only
Not for Explosion Proof motors
Note: Automatic thermal overloads return power to the motor automatically after cooling-off. Automatic thermal overloads should not be used in installations where a sudden restart could cause injury.

NEMA Frame	Catalog Number	List Price
48-56	L18B4056	245
143T-145T	L18B140	250
182T-184T	L18B180	286
213T-215T	L18B210	401

#L18c Thermistors on the winding. As standard, three (3) thermistors are furnished, one per phase. As the critical temperature of the motor's winding is reached, the resistance of the thermistor changes radically, causing operation of a control relay. Not available on washdown duty motors, explosion proof motors or medium voltage motors.

Type	NEMA Frame	Catalog Number	No. of Devices	List Price
Three Phase	42-215T	L18CT40210	3	249
Three Phase	254T-365T	L18CT250360	3	375
Three Phase	404T-449T	L18CT400440	3	778

Note: Thermostat and Thermistor Descriptions:
Thermostats are made of two or three different metal strips that each expand at different rates when heated. They are sandwiched together to make a laminated strip, with a set of electrical contacts at one end securely mounted to a platform. When the strip is heated it warps and the contacts open as a threshold temperature is exceeded. Thermostats are reliable, noise immune and easily configured into control schemes. Typically, inverter-duty motors have thermostats as standard equipment.

Thermistors are conductive ceramic materials, whose resistance remains relatively constant over a broad temperature range, then changes abruptly at a design threshold point, creating essentially a solid-state thermal switch. Attached control modules register this abrupt resistance change and produce an amplified output signal, usually a contact closure or fault trip annunciation. Thermistors are more accurate and faster responding than thermostats.

L19 Fungus Proofing and Tropicalization — Two Days

#L19a Special treatment of the motors windings and mechanical parts to resist tropical environments. Not available on brakemotors, washguard duty motors and explosion proof motors.
** AC or DC Motors

NEMA Frame	Catalog Number	List Price
42-215T**	L19A40210	258
254T-365T	L19A250360	375
404T-449T	L19A400440	598

L20 Weatherproofing – Three Phase, Totally Enclosed Motors* — Five Days

#L20a Treatment of mechanical and electrical components of LEESON steel frame totally enclosed motors to resist weather in application outside or in high-moisture conditions. NOTE: LEESON 150 and 170 series cast iron motors are weatherproofed as standard. LEESON WASHGUARD motors are also well-suited for outside and high-moisture applications. Not available on brakemotors or explosion proof motors. ** AC or DC Motors

NEMA Frame	Catalog Number	List Price
42-215T**	L20A40210	252

* For single phase weatherproofed motors, see Washguard motors on pages 28 and 35. Veirfy page numbers

L21 Marine Service (IEEE 45) Motors – Three Phase, Totally Enclosed - LEESON Only — Five Days

#L21a Treatment of mechanical and electrical components for application below deck aboard ships. Meets IEEE 45 marine specifications. Includes die cast conduit box with tapped lead hole and nameplate stamped 50°C ambient and marked IEEE 45. Standard LEESON blue epoxy paint will be applied unless otherwise specified. Not available on brakemotors and subject to engineering approval. Not available in 42 and 48 frame sizes for no kit is available to change conduit box to have a tapped hole. ** AC or DC Motors

NEMA Frame	Catalog Number	List Price
56-215T**	L21A40210	258
254T-365T	L21A250360	434
404T-405T	L21A400	644
444T-449T	L21A440	814

L22 Shaft Modifications — Five Days

#L22a Drill and tap one hole in either end of motors shaft or mill a flat on the drive end shaft extension. **Provide details of hole, thread size or flat with the order.** List price is per modification. For example, a motor modified by adding a tapped hole and flat would be priced by adding the list price twice.
3 inches maximum depth hole. Does not include keyway modification.

NEMA Frame	Catalog Number	List Price
42-145T	L22A40140	233
182T-184T	L22A180	245
213T-215T	L22A210	383
250T-280T	L22A250280	429

#L22b TEFC to air-over service. Convert a motor from totally enclosed, fan cooled construction to totally enclosed, air-over service by removing fan cover and fan and cutting off the fan end shaft. The modified motor must be mounted in the air stream of the driven fan for cooling purposes.

NEMA Frame	Catalog Number	List Price
42-145T	L22B40140	233
182T-184T	L22B180	245
213T-215T	L22B210	341

L23 Tachometer Mounting Provisions – DC Motors - LEESON Only — Five Days

#L23a Add a tachometer mounting kit to NEMA frame size Direct Current motors. See page 282 for availability of tachometer mounting kits. Does not include tachometer.

Tach Kit Adaptor

NEMA Frame	Catalog Number	List Price
S56	L23AS56	448
SS56	L23ASS56	557
56/145T	L23A56140	577

L24 CE Marking* — Five Days

#L24 Modify provided motor to comply with the nameplate designation, lead markings and connection diagrams required by the IEC34 motor specification. Modification includes a nameplate with the CE logo or a separate CE decal and a CE Declaration of Conformity document. Not available on DC motors below 75 V.D.C. **LEESON Only**

CE
CONFORMITE EUROPEENE

Catalog Number	List Price
L24	215

#L24b CE Marking Kit - Includes new nameplate only with data in IEC34 format, lead markers for IEC lead designations, a connection diagram, and a CE Declaration of Conformity document. The nameplate will have the CE logo, or a CE decal will be provided. **LEESON Only**
UL will not be stamped on nameplate - Must provide motors date code.

Catalog Number	List Price
L24B	129

* Explosion proof motors cannot be built or modified to meet CE.

Mods / Factory Options

L25 Micro Series Inverter - Remote Keypad Option - LEESON Only — Two Days

#L25 A remote keypad for Micro Series inverters is available only as a factory installed option. The keypad is mounted in a gasketed steel faceplate that must be mounted in an enclosure for protection. An inverter modified for remote operation can only be operated from the remote keypad. Price includes remote keypad, faceplate, cable and factory modification charges. Not available on Washguard Duty Inverters. See page 208 (Verify) for Remote Keypad kits for the Sub-Micro Series Inverters.

Description	Catalog Number	List Price
Keypad with 2.5 foot cable	L25A25	524
Keypad with 5 foot cable	L25A50	572
Keypad with 10 foot cable	L25A100	669

L27 Terminal Blocks – NEMA Motors - LEESON Only — Five Days

#L27a Add a terminal block in the conduit box of rolled steel motor from 56 to 215T-frame. Install ring terminals on the motor leads.

- Conduit box on 56-frame motors will be changed to a longer version to accommodate the terminal board
- Use with single-phase or three-phase motors with no protector
- Specify connection voltage and direction of rotation for single-phase
- Not intended for 56, 143T & 145T-frame TENV or ODP motors that have a built-in conduit box. Contact LEESON for the suitability of adding a terminal board to one of these motors
- Cannot be added to WASHGUARD Duty motors

NEMA Frame	Catalog Number	List Price
56/143T/145T	L27A56140	252
182T/184T/S213T	L27A180	282
213T-215T	L27A210	310

#L27b Install a terminal block kit in the conduit box of a cast iron NEMA frame motor. Price includes kit. (IEC motors have a terminal block installed as standard.)

NEMA Frame	Catalog Number	List Price
180/210T	L27B180210	310
250/280T	L27B250280	367
320/360T	L27B320360	420
400/440T	L27B400440	553

L28 Dynamic Braking Board – Micro Series Drives - LEESON Only — Two Days

#L28 Install Dynamic Braking board in Micro Series drive. Note: Does not include Dynamic Braking resistor, which is ordered as a separate line item. See Micro Series accessory section of catalog for resistor selection. See page 363 for Dynamic Brake kits for the Sub-Micro Series inverters.

HP Rating	Voltage	Catalog Number	List Price
1/2 - 3HP	All	L28A174184	1012
5HP	200-230V	L28A174185	1060
5HP	460-480V	L28A174185	1060
5HP	550-575V	L28A174184	1012
7 1/2HP	200-230V	L28A174192	997
7 1/2HP	460-480V	L28A174193	997
7 1/2HP	550-575V	L28A174193	997
10-60HP	All	L28A174192	997

LEESON

L29 Encoder Kits – WATTSAVER® & SPEEDMASTER® Motors

Two Days

#L29a Assemble a stock Encoder Kit on a WATTSAVER® motor. Price is for assembly only. Motor and kit are purchased separately. **Specify motor and kit numbers. Note:** The assembly of an encoder kit on a WATTSAVER® motor requires the removal of the external fan. The use of a Blower Fan Kit is strongly encouraged for proper cooling!

NEMA Frame	Catalog Number	List Price
56-215T	L29A56215	270
254T-324T	L29A250320	438
360T-405T	L29A360400	494

#L29b Assemble a stock Encoder Kit on a SPEEDMASTER® motor. Includes assembly of conduit box kit ECB175926 on 215T-449T frame motors. Price is for assembly only. Motor and kits are purchased separately. **Specify motor and kit numbers.** LEESON Only

NEMA Frame	Catalog Number	List Price
143T-215T	L29B140210	192
254T-365T	L29B250360	408
404T-449T	L29B400440	624

#L29c Available on Inverter Duty CTAC Motors that have Model Number ending with Q10. Price is for assembly only. Encoder kit, Mounting kit and Motor sold separately. Lincoln Only

NEMA Frame	Catalog Number	List Price
56-215T	L29C56210	192
254T-365T	L29C250360	408
404T-445T	L29C400440	624

L30 Blower Fan Kits – WATTSAVER® Motors

Two Days

#L30b Install a blower fan kit on a WATTSAVER® motor. Price is for assembly only. Motor and kit are purchased separately. **Specify motor and kit numbers.** LEESON Only

NEMA Frame	Catalog Number	List Price
56-215T	L30B56210	192
254T-326T	L30B250320	332
360T-440T	L30B360440	491

L31 Conduit Box Kits – Larger Size - Lincoln Only

#L31a Install larger size conduit box. AF, MD, SD and SF Model Numbers, S and H Efficiency Codes

NEMA Frame	Catalog Number	List Price
213T-215T	L31A213215	165
254T-256T	L31A254256	185
284T-286T	L31A284286	200
324T-326T	L31A324326	228
364T-365T	L31A364365	266
404T-405T	L31A404405	348

#L31b Install larger size conduit box. AF, AAF, CF, CS, CP, SD and SF Model Numbers, P and B Efficiency Codes

NEMA Frame	Catalog Number	List Price
143T-184T	L31B143184	151
213T-215T	L31B213215	165
254T-256T	L31B254256	185
284T-286T	L31B284286	200
324T-326T	L31B324326	228
364T-365T	L31B364365	266
404T-405T	L31B404405	348
444T-445T	L31B444449	501

CUSTOMIZED AND MODIFIED PRODUCTS

CUSTOM MOTORS, GEARBOXES & GEARMOTORS

LEESON is a leading designer and manufacturer of application-specific AC and DC motors and gearmotors in sub-fractional, fractional and integral horsepower sizes. We offer a database of over 30,000 custom designs, experienced application and design engineering teams, to ensure the best, most cost-effective custom motor solution.

CUSTOM MULTI-SPEED & LOW-SPEED MOTORS

LEESON's PDQ Modular Production Program utilizes specially designed and standard components to make almost any imaginable NEMA frame multi-speed or low-speed motor available when you need it. We pride ourselves on fast turnaround times on highly customized motors.

Custom motors include two, three and four-speed motors and speed ranges of 900, 720, 600, 450 and 300 RPMs. We also specialize in non-standard shaft designs.

For quotations, availability and application assistance, phone toll-free to our Canadian manufacturing facility at 1-800-463-1797.

DC Motors
Gearmotors
Ac / DC Controls
Accessories / Kits
Mods / Factory Options
X-Ref / Index
Tech Information
Terms / Warnings
Other Products

Listed below is a listing of a few of our Factory "Build-up" options. Please contact our local Sales office for more information.

ADDITIONAL LEAD LENGTH	GROUND PROVISIONS
HIGH ALTITUDE	HARDWARE
AMBIENT	HIGH INERTIA LOAD
CONDUIT BOXES	INSULATION
BALANCE	LEADS
BEARINGS	LUBRICATION
ROLLER BEARINGS	MARINE DUTY
INSULATED BEARINGS	NAMEPLATES
BLOWER TYPES	PAINT
BRAKES	SCREENS
CONNECTIONS / CORDS	SEALS & SLINGERS
WYE DELTA	SEVERE DUTY
PART WIND START	SERVICE FACTOR
DOCUMENTATION - SUBMITTAL DATA	SHAFTS
DOWELING	SPACE HEATERS
DRAINS	TACHOMETERS - SEE ENCODERS
ENCODERS	TACONITE DUTY - SEE INPRO SEALS
END TURN BRACING	TERMINAL BLOCKS / STRIPS
END BRACKETS - FACES & FLANGES	TESTS
FREQUENCY - Other than 60HZ	THERMAL PROTECTION
GREASE FITTINGS	VERTICAL MODIFICATION
GREASE: LOW TEMP	VIBRATION DETECTOR
GREASE: HIGH TEMP	VOLTAGE - SPECIAL

Cross Reference Exception Codes

LEESON Product Base Exceptions

B01 Install base kit 175032 (Extra cost)
B02 Install base kit 175033 (Extra cost)
B03 Install base kit 175034 (Extra cost)
B04 Install base kit 175035 (Extra cost)
B05 Install base kit 175036 (Extra cost)
B06 Install base kit 175037 (Extra cost)
B07 Install base kit 175038 (Extra cost)
B08 Install base kit 175039 (Extra cost)
B09 Install base kit 175040 (Extra cost)
B10 Install base kit 175041 (Extra cost)
B11 Install base kit 175042 (Extra cost)
B12 Install base kit 175043 (Extra cost)
B13 Install base kit 175044 (Extra cost)
B14 Install base kit 175045 (Extra cost)
B15 Install base kit 175046 (Extra cost)
B16 Install base kit 175047 (Extra cost)
B17 Install base kit 175048 (Extra cost)
B18 Install base kit 175049 (Extra cost)
B19 Install base kit 175088 (Extra cost)
B20 Install base kit 175089 (Extra cost)
B21 Install base kit 175090 (Extra cost)
B22 Install base kit 175091 (Extra cost)
B23 Install base kit 175092 (Extra cost)
B24 Install base kit 175093 (Extra cost)
B25 Install base kit 175094 (Extra cost)
B26 Install base kit 175095 (Extra cost)
B27 Install base kit 175097 (Extra cost)
B28 Install base kit 175098 (Extra cost)
B29 Install base kit 175127 (Extra cost)
B30 LEESON motor has a 56 frame base
B31 LEESON motor has rigid base
B32 LEESON motor has resilient base
B33 LEESON motor has no base
B34 LEESON's motor base is not removable
B35 LEESON motor has base with mounting holes for 56 & 143-5T
B36 LEESON base mounting holes not 'Drop-in' replacement
B37 Install base kit M1760006 (Extra cost)
B38 LEESON motor has 184JM base and shaft

LEESON Product Construction Exceptions

C01 LEESON motor has steel frame
C02 LEESON motor has cast iron frame
C03 LEESON motor has mechanical switch
C04 Reassemble LEESON motor to F2 mounting
C05 LEESON motor has base with mounting holes for 56, 143-5T and 5/8" Nema 56 shaft
C06 LEESON motor is not BISSC certified
C07 LEESON motor is capacitor start/capacitor run design
C08 LEESON motor is normal efficiency
C09 LEESON motor has double shielded ball bearings
C10 LEESON motor is capacitor start/induction run design
C11 LEESON motor has 1.0 service factor
C12 LEESON motor is ball bearing design
C13 LEESON motor is 208-230 volts
C14 LEESON motor has steel fan-guard
C15 LEESON motor is premium efficiency design
C16 LEESON motor has ball bearing instead of roller bearing drive end
C17 LEESON motor does not have extended thru-bolts
C18 LEESON motor has 145TC face with 182T base
C19 LEESON motor requires C face adapter
C20 LEESON motor is 1650 RPM
C21 LEESON motor has no cord or plug
C22 LEESON motor is IP54
C23 LEESON motor is 1625 RPM
C24 LEESON motor is 1075 RPM
C25 LEESON motor is class B insulated
C26 LEESON motor is Class I Group D, Class II Groups F & G
C27 LEESON motor is 60/50HZ
C28 LEESON motor has external capacitor
C29 LEESON motor is PSC design
C30 LEESON does not have tapped-hole (as standard) for pulse generator
C31 LEESON gearbox mounting face includes 3-point mounting
C32 LEESON motor is dual voltage rated - 115/230
C33 LEESON armature voltage is 90V DC
C34 LEESON motor is 230V only
C35 LEESON motor is non-reversible
C36 LEESON motor is reversible
C37 LEESON motor shaft endshield is totally enclosed
C38 Install explosion proof conduit box 175026 (Extra cost)
C39 LEESON motor has 1.15 service factor
C40 LEESON motor has 1.25 service factor
C41 LEESON motor has 1.35 service factor
C42 LEESON motor has a 145T "C" face and shaft with welded on base
C43 LEESON motor may not be used on 190-208/380-416V 50HZ at full rated HP
C44 IEEE 841 modification required - reference mod squad motor modifications L26
C45 LEESON motor has cast iron C face
C46 LEESON motor is 60HZ Only
C47 LEESON motor is 208-230/460V
C48 LEESON motor is class F insulated
C49 LEESON motor is EPACT efficiency
C50 LEESON motor is design B
C51 LEESON motor is all stainless steel
C52 LEESON motor has 12 leads
C53 LEESON motor has standard paint
C54 LEESON motor is 460 Volt only
C55 LEESON motor has a solid-state switch
C56 LEESON motor does not rodent screens

LEESON Product Enclosure Exceptions

E01 LEESON motor is totally enclosed non-ventilated
E02 LEESON motor is totally enclosed fan-cooled
E03 LEESON motor is drip proof

LEESON Product Frame Size Exceptions

F01 LEESON frame size is 48
F02 LEESON frame size is S56
F03 LEESON frame size is 56
F04 LEESON frame size is 56C
F05 LEESON frame size is 56H
F06 LEESON frame size is 145T
F07 LEESON frame size is 145TC
F08 LEESON frame size is 182T
F09 LEESON frame size is 184T
F10 LEESON frame size is 184TC
F11 LEESON frame size is 184JM
F12 LEESON frame size is 215T
F13 LEESON frame size is 286T
F14 LEESON frame size is 326T
F15 LEESON frame size is 364T
F16 LEESON frame size is 365T
F17 LEESON frame size is 405T
F18 LEESON frame size is 444T
F19 LEESON frame size is 445T
F20 LEESON frame size is 447T
F21 LEESON frame size is D63D
F22 LEESON frame size is 143T
F23 LEESON frame size is 404T
F24 LEESON frame size is 213TC
F25 LEESON frame size is 449T
F26 LEESON frame size is 256JM
F27 LEESON frame size is 284JM
F28 LEESON frame size is 286JM
F29 LEESON frame size is 56HC
F30 LEESON frame size is SS56
F31 LEESON frame size is S213T
F32 LEESON frame size is 326TS
F33 LEESON frame size is 324TS
F34 LEESON frame size is 284TC
F35 LEESON frame size is 324TC

Continued On Next Page

Cross Reference Exception Codes

LEESON Product Horsepower Exceptions

H01	LEESON motor is rated 1/2 HP
H02	LEESON motor is rated 1 HP
H03	LEESON motor is rated 1/3 HP
H04	LEESON motor is rated 1/4 HP
H05	LEESON motor is rated 4.0 KW/5.5 HP
H06	LEESON motor is rated 1/6 HP
H07	LEESON motor is rated 3/4 HP

LEESON Product Kit Exceptions

K01	Install AC metric (63 frame) B5 flange kit 175850 (Extra cost)
K02	Install AC metric (71 frame) B5 flange kit 175852 (Extra cost)
K03	Install AC metric (80 frame) B5 flange kit 175854 (Extra cost)
K04	Install AC metric (90 frame) B5 flange kit 175856 (Extra cost)
K05	Install AC metric (100 frame) B5 flange kit 175984 (Extra cost)
K06	Install AC metric (112 frame) B5 flange kit 175986 (Extra cost)
K07	Install AC metric (132 frame) B5 flange kit 175988 (Extra cost)
K08	Install AC metric (160 frame) B5 flange kit 175890 (Extra cost)
K09	Install AC metric (180 frame) B5 flange kit 175890 (Extra cost)
K10	Install AC metric (63 frame) B14 flange kit 175851 (Extra cost)
K11	Install AC metric (71 frame) B14 flange kit 175863 (Extra cost)
K12	Install AC metric (80 frame) B14 flange kit 175855 (Extra cost)
K13	Install AC metric (90 frame) B14 flange kit 175857 (Extra cost)
K14	Install AC metric (100 frame) B14 flange kit 175985 (Extra cost)
K15	Install AC metric (112 frame) B14 flange kit 175987 (Extra cost)
K16	Install AC metric (132 frame) B14 flange kit 175989 (Extra cost)
K17	Install AC metric (160 frame) B14 flange kit 175991 (Extra cost)
K18	Install DC metric (71 frame) B5 flange kit 175106 (Extra cost)
K19	Install DC metric (80 frame) B5 flange kit 175108 (Extra cost)
K20	Install DC metric (90 frame) B5 flange kit 175108 (Extra cost)
K21	Install DC metric (100 frame) B5 flange kit 175137 (Extra cost)
K22	Install DC metric (71 frame) B14 flange kit 175107 (Extra cost)
K23	Install DC metric (80 frame) B14 flange kit 175109 (Extra cost)
K24	Install DC metric (90 frame) B14 flange kit 175129 (Extra cost)
K25	Install DC metric (100 frame) B14 flange kit 175130 (Extra cost)
K26	Install NEMA steel frame C Face kit 175661 (Extra cost)
K27	Install NEMA steel frame C Face kit 175294 (Extra cost)
K28	Install NEMA steel frame C Face kit 175297 (Extra cost)
K29	Install NEMA steel frame C Face kit 175075 (Extra cost)
K30	Install NEMA steel frame C Face kit 175076 (Extra cost)
K31	Install NEMA steel frame C Face kit 175078 (Extra cost)
K32	Install NEMA steel frame C Face kit 175181 (Extra cost)
K33	Install NEMA steel frame C Face kit 175077 (Extra cost)
K34	Install NEMA steel frame C Face kit 175969 (Extra cost)
K35	Install NEMA steel frame C Face kit 175691 (Extra cost)
K36	Install NEMA steel frame C Face kit 175303 (Extra cost)
K37	Install NEMA steel frame C Face kit 175007 (Extra cost)
K38	Install NEMA steel frame C Face kit 175693 (Extra cost)
K39	Install NEMA steel frame C Face kit 175008 (Extra cost)
K40	Install NEMA steel frame C Face kit 175845 (Extra cost)
K41	Install NEMA steel frame C Face kit 175844 (Extra cost)
K42	Install NEMA steel frame C Face kit 175304 (Extra cost)
K43	Install NEMA cast iron C Face kit 175655 (Extra cost)
K44	Install NEMA cast iron C Face kit 175066 (Extra cost)
K45	Install NEMA cast iron C Face kit 175068 (Extra cost)
K46	Install NEMA cast iron C Face kit 175067 (Extra cost)
K47	Install NEMA cast iron C Face kit 175069 (Extra cost)
K48	Install NEMA cast iron C Face kit 175191 (Extra cost)
K49	Install NEMA cast iron C Face kit 175058 (Extra cost)
K50	Install NEMA cast iron C Face kit 175061 (Extra cost)
K51	Install NEMA cast iron C Face kit 175059 (Extra cost)
K52	Install NEMA cast iron C Face kit 175062 (Extra cost)
K53	Install NEMA cast iron C Face kit 175060 (Extra cost)
K54	Install NEMA cast iron C Face kit 175063 (Extra cost)
K55	Install NEMA cast iron C Face kit 175199 (Extra cost)
K56	Install NEMA cast iron C Face kit 175664 (Extra cost)
K57	Install Chemical Service/Severe Duty (182/184T) kit 175663 (Extra cost)
K58	Install Chemical Service/Severe Duty (213/215T) kit 175050 (Extra cost)
K59	Install Chemical Service/Severe Duty (254/256T) kit 175051 (Extra cost)
K60	Install Chemical Service/Severe Duty (284/286T) kit 175052 (Extra cost)
K61	Install Chemical Service/Severe Duty (324/326T) kit 175053 (Extra cost)
K62	Install Chemical Service/Severe Duty (364/365T) kit 175054 (Extra cost)
K63	Install Chemical Service/Severe Duty (404/405T) kit 175055 (Extra cost)
K64	Install Chemical Service/Severe Duty (444/445T) kit 175056 (Extra cost)
K65	Install NEMA D Flange (182/184T) kit 175694 (Extra cost)
K66	Install NEMA D Flange (182/184T) kit 175658 (Extra cost)
K67	Install NEMA D Flange (213/215T) kit 175114 (Extra cost)
K68	Install NEMA D Flange (213/215T) kit 175115 (Extra cost)
K69	Install NEMA D Flange (254/256T) kit 175116 (Extra cost)
K70	Install NEMA D Flange (364/365T) kit 175995 (Extra cost)
K71	Install NEMA D Flange (254/256T) kit 175192 (Extra cost)
K72	Install NEMA D Flange (284/286T) kit 175118 (Extra cost)
K73	Install NEMA D Flange (284/286T) kit 175119 (Extra cost)
K74	Install NEMA D Flange (324/326T) kit 175120 (Extra cost)
K75	Install NEMA D Flange (324/326T) kit 175121 (Extra cost)
K76	Install NEMA D Flange (364/365T) kit 175657 (Extra cost)
K77	Install Textile “Lint-Proof” kit 175024 (Extra cost)
K78	Install Textile “Lint-Proof” kit 175025 (Extra cost)
K79	Install Textile “Lint-Proof” kit 175695 (Extra cost)
K80	Install Drip-Cover (213/215JP) kit 175305 (Extra cost)
K82	Install Drip-Cover (56) kit 175004 (Extra cost)
K83	Install Drip-Cover (143/145T) kit 175004 (Extra cost)
K84	Install Drip-Cover (182/184T) kit 175614 (Extra cost)
K85	Install Drip-Cover (213/215T) kit 175849 (Extra cost)
K86	Install conduit box kit M1760007 (Extra cost)
K87	Install conduit box kit M1760021 (Extra cost)
K88	Install NEMA Wattsaver cast iron C face kit 175869 (Extra cost)
K89	Install Drip-Cover (56) kit 175298 (Extra cost)
K90	Install NEMA Wattsaver cast iron C face kit 175842 (Extra cost)
K91	Install Brake kit 175178 (Extra cost)
K92	Install AC Metric (200 frame) B5 flange 175994 (Extra cost)
K93	Install AC Metric (200 frame) B5 flange 175995 (Extra cost)
K94	Install NEMA Cast Iron C-Face kit 175842 (Extra cost)
K95	Install NEMA Cast Iron C-Face kit 175958 (Extra cost)
K96	Install NEMA Cast Iron C-Face kit 175454 (Extra cost)
K97	Install NEMA Cast Iron C-Face kit 175394 (Extra cost)
K98	Install NEMA D Flange (324/326T) kit 175455 (Extra cost)
K99	Install NEMA D Flange (404/405T) kit 175956 (Extra cost)
K100	Install NEMA D Flange (404/405T) kit 175957 (Extra cost)
K101	Install NEMA D Flange (213/215T) Wattsaver kit 175959 (Extra cost)
K102	Install NEMA D Flange (182/184T) Wattsaver kit 175396 (Extra cost)
K103	Install Drip-Cover (182/184T) Cast Iron kit 175961 (Extra cost)
K104	Install Drip-Cover (213/215TT) Cast Iron kit 175962 (Extra cost)
K105	Install Drip-Cover (254/256T) Cast Iron kit 175963 (Extra cost)
K106	Install Chemical Service/Severe Duty (447/449T) kit 175891 (Extra cost)

LEESON Product Protector Exceptions

P01	LEESON motor has automatic reset protector
P02	LEESON motor has manual reset protector
P03	LEESON motor has no thermal overload protector

LEESON Product Shaft Exceptions

S01	LEESON motor has a 182-4T shaft extension
S02	LEESON motor has a 213-5T shaft extension
S03	LEESON motor has a 254-6T shaft extension
S04	LEESON motor shaft is 1 inch longer
S05	LEESON motor has shaft that is a TS not T
S06	LEESON motor has phosphatized shaft
S07	LEESON has .625 inch diameter shaft
S08	LEESON has single output shaft
S09	LEESON shaft center-line height from base is 1.48 inches
S10	LEESON shaft on left side facing the gearbox
S11	LEESON shaft center-line height from the base is 1.67 inches
S12	LEESON motor has 1 1/8” shaft
S13	LEESON motor has 416 stainless shaft
S14	LEESON shaft dimensions not “drop in” replacement

LEESON Product Thermostat Exceptions

T01	LEESON motor has no thermostats
T02	LEESON motor has normally closed thermostats

Cross Reference

Baldor to Leeson and Lincoln

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
1309-50	113903.00			224
AFL3520A	111332.00			176
AFL3521A	111333.00			176
AFL3522A	120374.00			176
AFL3523A	120375.00			176
AFL3524A	120376.00			176
AFL3525A	111949.00			176
AFM3528	111334.00			176
AFM3529	111335.00			176
AFM3530	120377.00			176
AFM3532	120379.00			176
ANFL3501M	101435.00		LM24462	180
ANFL3504M	101436.00		LM24463	180
ANFL3507M	101437.00		LM24812	180
ANFL3510M	113302.00		LM24813	180
ANFL3514M	113301.00		LM24814	180
Baldor	096052.00			327
Baldor	096068.00			335
Baldor	100905.00			43
Baldor	113769.00	C25 F03		16
Baldor	120867.00	C25 F06		17
Baldor	131629.00			23
Baldor	131971.00			34
BL3507	114167.00	F04		257
BL3510	111951.00	F04		257
BL3517	114165.00	F04		257
BL3518	111950.00	F04		257
BM3108	114162.00			257
BM3112	114163.00			257
BM3116	114164.00			257
BM3154T	G120370.00			257
BM3157T	G120371.00			257
BM3248T	G131627.00			257
BM3538	114150.00			258
BM3539	114149.00			258
BM3542	114147.00			258
BM3543	114148.00			258
BM3546	114146.00			258
BM3546T	G121679.00			258
BM3554	116767.00			258
BM3554T	G120329.00			258
BM3556T	G121050.00			258
BM3558T	G120330.00			258
BM3569	114151.00			258
BM3611T	G131613.00			258
BM3614T	G131620.00			258
BM3615T	G131614.00			258
BM3704T	G140601.00			258
BM3710T	G140603.00			258
BM3714T	G140636.00			258
BM3730T	G140603.00			258
CBM3546T	G121557.00			259
CBM3554T	G121051.00			259
CBM3558T	G121052.00			259
CBM3611T	G131617.00			259
CBM3615T	G131618.00			259
CBM3710T	G140605.00			259
CBM3714T	G140639.00			259
CDP3306	098003.00	F30		282
CDP3310	098002.00	F30		282
CDP3316	098005.00	F30		282
CDP3320	098004.00	F30		282
CDP3326	098008.00	F30		282
CDP3330	098000.00	F30		282
CDP3335	098006.00	E02		282
CDP3410-V12	108045.00	F02		292
CDP3420-V12	108046.00	F02		292
CDP3420-V24	108050.00	F02		292
CDP3430-V12	108047.00			292
CDP3430-V24	108051.00	F02		292
CDP3436	098069.00	F30		282
CDP3440	098032.00	F30		282
CDP3440-V12	108048.00	F02		292
CDP3440-V24	108052.00	F02		292
CDP3443	098009.00	F30		282
CDP3445	108022.00	F02		282
CDP3445-V12	108322.00	F02		292
CDP3445-V24	108053.00	F02		292
CDP3450	108020.00	F02		282
CDP3455	108023.00	F02		282
CDP3460	108021.00	F02		282
CDP3575	108092.00	F02		282
CDP3575	128000.00			282
CDP3580	108265.00	F02		282
CDP3585	128010.00			282
CDP3590	108266.00			282
CDP3604	108502.00			282
CDPSWD3410	109065.00			164
CDPSWD3426	109070.00			164
CDPSWD3430	109069.00			164
CDPSWD3545	109075.00			164
CDPSWD3555	109076.00			164
CDPWD3306	098375.00	F02		142
CDPWD3310	108423.00	F02		142
CDPWD3316	098376.00	F02		142
CDPWD3320	108424.00	F02		142
CDPWD3326	108227.00	F02		142
CDPWD3330	108226.00	F02		142
CDPWD3436	108229.00	E01		142
CDPWD3440	108228.00			142
CDPWD3445	108230.00	F02		142
CDPWD3455	108231.00	F02		142
CDPWD3575	108232.00	F02		142
CDPX3420	118015.00	F02		284
CDPX3426	118017.00	F02		284
CDPX3430	118016.00	F02		284
CDPX3436	118019.00	F02		284
CDPX3440	118018.00	F02		284
CECP83769T4	811550.00			89
CEM2333T	171587.60		LM16762	72
CEM2334T	171589.60		LM62032	72
CEM2394T	171586.60		LM16761	72
CEM2513T	170175.60	C02	LM32781	62
CEM2514T	170070.60	C02	LM32782	62
CEM2515T	170071.60	C02	LM32783	62
CEM2516T	171688.60	C02	LM32784	63
CEM2531T	170073.60	C02	LM31245	63
CEM2535T	171377.60	C02	LM31246	63
CEM2539T	170378.60	C02	LM13837	63
CEM2547T	171689.60	C02	LM15570	63
CEM2551T	171690.60	C02	LM15573	63
CEM2555T	171691.60	C02	LM17387	63
CEM3116T	121935.00		LM32762	61
CEM3154T	121675.00			61
CEM3157T	121676.00		LM32768	61
CEM3158T	121928.00		LM32770	62
CEM3211T	132081.00		LM32771	62
CEM3212T	132242.00		LM32773	62
CEM3218T	132082.00		LM32774	62
CEM3219T	132244.00		LM32776	62
CEM3311T	140767.00		LM32666	62
CEM3312T	141111.00		LM32778	62
CEM3313T	140768.00		LM32649	62
CEM3314T	141119.00			62
CEM3543T	170379.60	C02	LM13839	63
CEM3546	116745.00			69
CEM3546T	121179.00		LM32822	69
CEM3550T	121672.00		LM32824	70
CEM3554	116746.00			70
CEM3554T	121180.00		LM32825	70
CEM3555T	121673.00		LM32828	70
CEM3558	116747.00			70
CEM3558T	121181.00		LM32829	70
CEM3559T	121929.00			71
CEM3581T	121179.00	C01	LM32822	69
CEM3583T	121672.00	C01	LM32824	70

This information is furnished as a guide only.
Always check specific motor to determine sutiability for direct replacement

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
CEM3584T	121180.00	C01	LM32825	70
CEM3586T	121673.00	C01	LM32828	70
CEM3587T	121181.00	C01	LM32829	70
CEM3610T	132079.00		LM16741	71
CEM3611T	131504.00		LM16742	71
CEM3613T	132080.00		LM16745	71
CEM3615T	131502.00		LM16747	71
CEM3660T	132079.00	C01	LM16741	71
CEM3660T	171564.60		LM62016	71
CEM3661T	131504.00	C01	LM16742	71
CEM3661T	171565.60		LM62017	71
CEM3663T	132080.00	C01	LM16745	71
CEM3663T	171446.60		LM62019	71
CEM3664T	132243.00		LM32830	70
CEM3665T	131502.00	C01	LM16747	71
CEM36665T	171566.60		LM62020	71
CEM3704T	140834.00		LM32833	71
CEM3709T	140770.00		LM16750	71
CEM3710T	140521.00		LM32838	71
CEM3714T	140522.00		LM32841	72
CEM3768T	171116.60		LM32835	71
CEM3769T	140770.00	C01	LM16750	71
CEM3769T	170166.60		LM62085	71
CEM3770T	140521.00	C01	LM32838	71
CEM37711T	170168.60		LM62025	72
CEM3771T	140769.00	C01	LM32840	72
CEM3774T	140522.00	C01	LM32841	72
CEM4103T	171591.60		LM62035	72
CEM4104T	171592.60		LM16744	73
CEM4106T	171588.60		LM62031	72
CEM4107T	171590.60		LM32659	72
CEM4108T	170108.60		LM16773	73
CEM4109T	170110.60		LM13725	73
CEM4110T	171593.60		LM62041	73
CEM4114T	170112.60		LM13727	73
CEM4115T	171594.60		LM62044	73
CEM4198T	171591.60		LM62035	72
CEM4310T	170114.60		LM15562	73
CEM4313T	171115.60		LM15566	73
CEM4314T	171595.60		LM62047	73
CEM4316T	171596.60		LM15567	73
CEM4400T	171597.60		LM15263	74
CEM7034T	121920.00			102
CEM7037T	121921.00	P01		102
CEM7037T	121922.00			102
CEM7042T	825126.00	C02		102
CEM7044T	825071.00	C02		102
CEM7045T	825072.00	C02		102
CEM7047T	825073.00	C02		102
CEM7053T	825076.00			102
CEM7054T	825077.00			102
CEM7058T	825081.00			102
CEM7059T	825078.00			102
CEM7060T	825082.00			102
CEM7062T	825083.00			102
CEM7063T	825080.00			102
CEM7064T	825084.00			102
CEM7072T	825127.00	C02		102
CEM7170T	825075.00			102
CEM7174T	825074.00			102
CESSWDM3550T	121874.00	F02		160
CESSWDM3554	117284.00	F29		160
CESSWDM3554T	121873.00			160
CESSWDM3558T	121877.00			160
CESSWDM3559T	121878.00			160
CESSWDM3613T	132207.00			160
CESSWDM3615T	132208.00			160
CESSWDM3709T	140825.00			160
CESSWDM3710T	140826.00			160
CESSWDM3711T	140827.00			160
CESSWDM3714T	140828.00			160
CESWDM35554T	121912.00			153
CESWDM3558T	121913.00			153

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
CEWDBM3538	116467.00	C08		138
CEWDBM3542	116468.00	C08		138
CEWDBM3546	116469.00	C08		138
CEWDBM3546T	121616.00	C08		138
CEWDBM3554T	G121617.00	C08 E02		138
CEWDBM3558T	G121618.00	C08		138
CEWDBM3615T	G121618.00			138
CEWDM3546T	121867.00			136
CEWDM3558T	121868.00			136
CEWDM3559T	121870.00			136
CEWDM355T	121871.00			136
CEWDM3611T	132108.00			
CEWDM3611T	132198.00			136
CEWDM3613T	132200.00			136
CEWDM3615T	132201.00			136
CEWDM3709T	141120.00			136
CEWDM3710T	140822.00			136
CEWDM3714T	140821.00			136
CFDL3501M	116485.00			28
CFDL3504M	116486.00			28
CFDL3507M	116487.00			28
CFDL3510M	116488.00	F04		173
CFDL3514M	116489.00	C39		173
CFDL3516TM	121625.00			173
CFM3136A	116772.00	S14		194
CFM3146A	116773.00	S14		194
CFM3156A	111147.00			194
CFM3166A	111148.00			194
CHC144A	100803.00		LM2447	174
CHC164A	100824.00		LM24442	174
CHC244A	100804.00		LM24448	174
CHC264A	100825.00		LM24443	174
CHC3413A	100803.00		LM2447	174
CHC3414A	100824.00		LM24442	174
CHC3416A	100804.00		LM24448	174
CHC3417A	100825.00		LM24443	174
CHC345A	111323.00			174
CHC3524A	101645.00		LM24444	174
CHC3524A	111323.00			174
CHC3525A	111321.00			174
CHC3526A	111919.00			174
CHC3528A	111322.00			174
CHC364A	101645.00		LM24444	174
CHC365A	111321.00			174
CHC445A	111324.00			174
CHC465A	111266.00			174
CHC545A	111267.00			174
CHL3523A	101176.00	B31		174
CJL3504A	113637.00			114
CJL3507A	113638.00			114
CJM3107	102199.00			115
CJM3111	101776.00			115
CJM3115	101775.00			115
CJM3120	114203.00			115
CJM3155	114202.00			115
CJM3158	114201.00			115
CJM3542	113028.00			116
CL1301	103023.00			23
CL1303	103024.00			23
CL1304	101651.00		LM24697	23
CL1307	101650.00		LM24699	23
CL1310	113930.00		LM24700	23
CL1408TM	131629.00			23
CL1408TM	131853.00			23
CL1410TM	131630.00			23
CL1430TM	131630.00			23
CL3403	102916.00	F02	LM24723	26
CL3405	102929.00	F02	LM24724	26
CL3501	102930.00	F02	LM24600	26
CL3503	102903.00		LM24725	26
CL3504	102907.00		LM24628	26
CL3506	112135.00		LM24726	26
CL3507	110905.00		LM24615	26

Cross Reference

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON			Lincoln Catalog #	LEESON Page #
CL3509	110180.00				LM24727	26
CL3510	110908.00				LM24616	26
CL3513	110909.00				LM24539	26
CL3514	110910.00				LM24728	26
CL3515	113931.00				LM24729	27
CL3515T	121008.00				LM24730	27
CL3516TM	121465.00	C25				27
CL3608TM	131632.00	C39				27
CL3612TM	131633.00					27
Cl3619TM	131631.00					27
CL3619TM	131857.00	C25	C39			27
CL3711T	140695.00					27
CL3712T	140678.00	C48				27
CL5001A	116606.00					100
CL5003A	116608.00	F29				100
CL5004A	116609.00	F29				100
CL5007A	116612.00	F29				100
CL5009A	116613.00	F29				100
CL5013	116615.00	B22				100
CL5023A	116614.00	F29				100
CL5030T	116615.00	F29				100
CL5031T	116616.00	F29				100
CM2333T	G150102.60					
CM2333T-5	150116.60	K48				
CM2334T	G150080.60					
CM2334T-5	150117.60	K48				
CM2513T	G150175.60	C02				
CM2514T	G150070.60	C02				
CM2515T	G150071.60	C02				
CM2516T	G151688.60	C02				
CM2531T	G150073.60	C02				
CM2535T	G151377.60	C02				
CM2539T	G151378.60	C02				
CM2543T	G151379.60	C02				
CM2547T	G151689.60	C02				
CM2551T	G151690.60	C02				
CM2555T	G151691.60	C02				
CM3104	100599.00	F02			LM24277	61
CM3107	100600.00	F02			LM24879	61
CM3108	100601.00	F02			LM24880	
CM3112	100602.00				LM24267	61
CM3116T	G121650.00					
CM3154T	121674.00					61
CM3154T	G121651.00					
CM3155	114218.00					61
CM3157T	G120275.00					
CM3158T	G121072.00	C25				
CM3211T	G130325.00					
CM3212T	G131249.00					
CM3218T	G130327.00					
CM3219T	G131250.00					
CM3311T	G140589.00					
CM3312T	G140692.00					
CM3313T	G140146.00					
CM3314T	G140693.00					
CM3534	102922.00				LM24114	69
CM3534-5	101051.00	H01	K28			209
CM3537	114142.00				LM24129	69
CM3538	102917.00				LM24074	69
CM3538-5	101051.00	K28				209
CM3539	110914.00				LM24104	69
CM3541	110915.00				LM24134	69
CM3542	110916.00				LM24076	69
CM3542-5	110178.00	K30			LM25095	209
CM3543	116340.00				LM24140	69
CM3545	110181.00				LM24126	69
CM3546	110912.00				LM24079	69
CM3546-5	110206.00	K30			LM25097	209
CM3546T	121936.00					69
CM3546T	G121286.00	F07				
CM3546T-5	120122.00	K33				
CM3550	110917.00				LM24135	70

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CM3550T	G121290.00					
CM3554	110918.00				LM24095	70
CM3554-5	110893.00	K30			LM25099	209
CM3554T	G121287.00					
CM3554T-5	120021.00	K33				
CM3555	113927.00				LM24121	70
CM3555T	G121510.00					
CM3556T	G120428.00					
CM3557	114198.00					70
CM3558	116106.00	F29			LM24081	70
CM3558T	G120276.00					
CM3558T-5	120019.00	K33				
CM3559	114615.00	F29			LM24953	71
CM3559T	G120991.00					
CM3559T-5	120423.00	K33				
CM3607T	116592.00					70
CM3610T	G131899.00					
CM3611T	G130326.00					
CM3611T-5	131460.00	K35				
CM3613T	G131173.00	C02				
CM3613T-5	131552.00	K35				
CM3614T	G131497.00					
CM3615T	G130328.00					
CM3615T-5	131461.00	K35				
CM3616T	G130990.00					
CM3660T	G151564.60					
CM3661T	G151565.60					
CM3663T	G151446.60					
CM3665T	G151566.60					
CM3704T	G140602.00					
CM3708T	G140482.00					
CM3709T	G131774.00					
CM3710T	G140183.00					
CM3710T-5	140593.00	K41				
CM3711T	G140696.00					
CM3711T-5	150197.60	C02	K45			
CM3713T-5	150198.60	C02	K45			
CM3714T	G140147.00					
CM3714T-5	150212.60	C02	K45			
CM3769T	G150166.60					
CM3770T	G150165.60					
CM3771T	G150168.60					
CM3773T	G140697.00					
CM3774T	170167.60	C15			LM62026	72
CM3774T	G150167.60					
CM4103T	G150081.60					
CM4104T	G150082.60					
CM4106T	G150079.60					
CM4107T	G150106.60					
CM4108T	G150108.60					
CM4109T	G150110.60					
CM4110T	G150083.60					
CM4114T	G150112.60					
CM4115T	G150084.60					
CM4310T	G150114.60					
CM4313T	G150115.60					
CM4314T	G150085.60					
CM4316T	G150086.60					
CM4400T	G151680.60					
CM7005A	114627.00					102
CM7006A	114628.00					102
CM7006A	116190.00					102
CM7009A	114629.00					102
CM7010A	114630.00					102
CM7013	114631.00					102
CM7014T	114632.00	P01				102
CM7014T	121919.00					102
CM7014T	G121541.00					
CM7018T	114633.00	F04				102
CM7034	114634.00	F29				102
CM7037T	G121182.00					
CM7042T	G850617.00	C02				

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CM7044T	G850618.00	C02				
CM7045T	G850589.00	C02				
CM7047T	G850619.00	C02				
CM7053T	G850591.00					
CM7054T	G850621.00					
CM7056T	G850622.00					
CM7058T	G850623.00					
CM7059T	G850592.00					
CM7060T	G850624.00					
CM7062T	G850625.00					
CM7063T	G850593.00					
CM7064T	G850626.00					
CM7071T	114635.00	F29				102
CM7072T	G850588.00	C02				
CM7075T	114636.00	F29				102
CM7170T	G850620.00					
CM7174T	G850590.00					
CNM3538	102919.00	F02				69
CP4400T-4	LM32896					100
CP4402T	LM14644					100
CP4406T-4	LM32902					100
CP4407T-4	LM32905					100
CP4408T-4	LM14643					100
CP4410T-4	LM32899					100
CP44256T-4	LM15723					100
CP44304T	LM14642					100
CP44354T-4	LM14645					100
CSEWDM3558T	117299.00					168
CSSEWDM3550T	121879.00					168
CSSEWDM3550T	121908.00					168
CSSEWDM3554T	121880.00					168
CSSEWDM3554T	121909.00					168
CSSEWDM3555T	121910.00					168
CSSEWDM3558T	121911.00					168
CSSSWDM3537	117118.00					168
CSSSWDM3538	117119.00					168
CSSSWDM3541	117120.00					168
CSSSWDM3542	117121.00					168
CSSSWDM3544	117296.00					168
CSSSWDM3545	117122.00					168
CSSSWDM3546	117123.00					168
CSSSWDM3550T	G121748.00					168
CSSSWDM3554T	G121749.00					168
CSSSWDM3555T	G121739.00					168
CSSSWDM3558T	121882.00					168
CSSSWDM3558T	G121740.00					168
CSSWDM3537	117269.00	F29				160
CSSWDM3538	103387.00	F02				160
CSSWDM3538	103411.00	F02				168
CSSWDM3538	115633.00	F29				
CSSWDM3538	117266.00	F29				160
CSSWDM3541	117271.00	F29				160
CSSWDM3542	103388.00	F02				160
CSSWDM3542	103412.00	F02				168
CSSWDM3542	115634.00	F29				
CSSWDM3542	117267.00	F29				160
CSSWDM3545	116169.00	F29				
CSSWDM3545	117273.00	F29				160
CSSWDM3546	115635.00	F29				160
CSSWDM3546	117286.00	F29				160
CSSWDM3555T	G121812.00					
CSSWDM3558	117285.00	F29				160
CSSWDM3559T	G121528.00					
CSSWDM3611T	G131900.00					
CSSWDM3613T	G131901.00					
CSSWDM3615T	G131902.00					
CSSWDM3709T	G140698.00					
CSSWDM3710T	G140675.00					
CSSWDM3711T	G140699.00					
CSSWDM3714T	G140676.00					
CSSWDN3554T	121875.00					160
CSWDM3537	114560.00					153

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CSWDM3538	191204.00					156
CSWDM3542	114561.00					153
CSWDM3542	191207.00					156
CSWDM3546	114562.00					153
CSWDM3546	191291.00					156
CSWDM3546T	121165.00					153
CSWDM3546T	G191212.00	E01				
CSWDM3554	191217.00	E01	F29			156
CSWDM3554T	G191218.00	E01				
CSWDM3558	191223.00	F29				156
CSWDM3558T	G191224.00					
CWDL3504	112527.00	C55				133
CWDL3507	112528.00	C55				133
CWDL3509	113583.00	C55				133
CWDL3510	112529.00	C55				133
CWDL3513	113584.00	C55				133
CWDL3514	113300.00	C55	F29			133
CWDM3537	113588.00					136
CWDM3538	113586.00					136
CWDM3538-5	112483.00	E02				136
CWDM3539	115743.00					136
CWDM3541	113589.00					136
CWDM3542	113587.00					136
CWDM3542-5	112484.00	E02				136
CWDM3543	115744.00	F29				136
CWDM3545	113590.00					136
CWDM3546	112524.00	E02				136
CWDM3546-5	112522.00	E02				136
CWDM3546T	G120587.00	E02				
CWDM3550	113591.00	E01				136
CWDM3554	112643.00	E02				136
CWDM3554T	G121540.00	E02				
CWDM3555	113592.00	E01				136
CWDM3555T	121039.00	E01				136
CWDM3556	115745.00	F29				136
CWDM3557	115746.00	F29				136
CWDM3558	112644.00					136
CWDM3558T	G120588.00					
CWDM3559T	G120911.00					
CWDM3611T	G130664.00					
CWDM3613T	G131167.00					
CWDM3615T	G131171.00					
CWDM3616T	132199.00					136
CWDM3616T	G132016.00					
CWDM3709T	G131165.00					
CWDM3710T	G140466.00					
CWDM3711T	G140700.00					
CWDM3713T	G140701.00					
CWDM3714T	G140464.00					
CWSSWDM3610T	132206.00					160
DGC1301M	191742.00					237
DGC1304M	100802.00					237
DGC1307M	113642.00					237
EBM3211T	G131626.00	C49				257
EBM3248T	G131627.00	C49				257
EBM3311T	G140611.00	C49				257
EBM3313T	G140635.00	C49				257
ECP2276T	LM16656					91
ECP2276T-4	170122.60	C47	C53	K59	LM15892	46
ECP2332T-4	170123.60	C47	C53	K59	LM15675	47
ECP2333T	LM32873					91
ECP2333T-4	170066.60	C47	C53	K59	LM24208	47
ECP2334T	LM32876					91
ECP2334T-4	170007.60	C47	C53	K59	LM24207	47
ECP2394T-4	170062.60	C47	C53	K59	LM15890	47
ECP3581T	LM32856					91
ECP3582T	LM32587					
ECP3661T	171623.60					90
ECP3661T	LM16644					91
ECP3661T-4	171320.60	C47	C53	K57	LM60026	45
ECP3663T	LM32864					91
ECP3664T	171634.60					90

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ECP3665T	LM16650			91
ECP3665T4	171630.60			90
ECP3764T-4	171378.60	C47 C53 K58	LM60027	45
ECP3768T	171635.60			90
ECP3768T	LM32867			91
ECP3768T-4	171379.60	C47 C53 K58	LM15883	46
ECP3769T-4	170158.60	C47 C53 K58	LM15878	46
ECP3770T	LM32869			91
ECP3770T-4	170157.60	C47 C53 K58	LM24209	46
ECP3771T-4	170159.60	C47 C53 K58	LM15861	47
ECP3774T	171617.60			90
ECP3774T	LM16919			91
ECP3774T-4	170140.60	C47 C53 K58	LM60036	47
ECP4100T	LM32874			91
ECP4100T-4	170068.60	C47 C53 K60	LM15793	47
ECP4102T	LM32877			91
ECP4102T-4	170001.60	C47 C53 K60	LM15796	47
ECP4103T	LM32879			91
ECP4103T-4	170011.60	C47 C53 K60	LM15792	48
ECP4104T	LM32882			91
ECP4104T-4	170015.60	C47 C53 K60	LM13964	48
ECP4106T-4	170033.60	C47 C53 K59	LM15673	47
ECP4107T-4	170035.60	C47 C53 K60	LM13960	48
ECP4108T-4	170037.60	C47 C53 K60	LM60046	48
ECP4109T-4	170039.60	C47 C53 K61	LM19749	49
ECP4110T-4	170019.60	C47 C53 K61	LM13699	49
ECP4111T-4	170003.60	C47 C53 K61	LM13696	48
ECP4114T	LM32685			100
ECP4114T-4	170041.60	C47 C53 K61	LM60052	49
ECP4115T	LM32887			100
ECP4115T-4	170023.60	C47 C53 K61	LM19753	49
ECP4117T-4	170005.60	C47 C53 K62	LM60048	48
ECP4308T-4	170096.60	C47 C53 K62	LM13918	49
ECP4310T-4	170043.60	C47 C53 K62	LM14808	49
ECP4312T	LM32888			100
ECP4312T-4	170097.60	C47 C53 K62	LM19754	49
ECP4313T-4	170045.60	C47 C53 K62	LM14810	50
ECP4314T-4	170027.60	C47 C53 K62	LM14809	49
ECP4316T	LM32893			100
ECP4316T-4	170031.60	C47 C53 K62	LM14811	50
ECP4400T-4	170087.60	C47 C53 K63	LM19762	50
ECP4402T	LM32895			100
ECP4402T-4	170160.60	C47 C53 K63	LM13939	50
ECP4403T-4	170098.60	C47 C53 K63	LM13938	49
ECP4404T-4	170099.60	C47 C53 K63	LM60060	50
ECP4406T-4	170371.60	C47 C53 K64	LM13707	51
ECP4407T-4	170352.60	K64	LM16230	51
ECP4408T-4	151516.60	C08 C53		
ECP4409T-4	170256.60	C53 K64	LM13702	50
ECP4410T-4	170369.60	C47 C53 K64	LM60065	50
ECP4411T-4	170260.60	C53 K64	LM13705	50
ECP44156T-4	171315.60	C47 C53 K64	LM16231	51
ECP44206T-4	171316.60	C47 C53 K106	LM60072	51
ECP64314T-4	811567.00			89
ECP82333T-4	811555.00			89
ECP82334T-4	811557.00			89
ECP82394T-4	811554.00			89
ECP83581T-4	811541.00			89
ECP83583t-4	811542.00			89
ECP83584T-4	811543.00			89
ECP83586T-4	811544.00			89
ECP83587T-4	811545.00			89
ECP83660T	811546.00			89
ECP83661T	811547.00			89
ECP83663T	811548.00			89
ECP83665T-4	811549.00			89
ECP83769T-4	811550.00			89
ECP83770T-4	811551.00			89
ECP83774T-4	811553.00			89
ECP8377IT-4	811552.00			89
ECP84103T-4	811559.00			89
ECP84104T-4	811561.00			89

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ECP84106T-4	811556.00			89
ECP84107T-4	811558.00			89
ECP84108T-4	811560.00			89
ECP84109T-4	811562.00			89
ECP84110T-4	811563.00			89
ECP84114-T	811564.00			89
ECP84115T-4	811564.00			89
ECP84310T-4	811566.00			89
ECP84313T-4	811568.00			89
ECP84400T-4	811571.00			89
ECP84402T-4	811570.00			89
ECP94316T-4	811569.00			89
EFM2333T	170066.60	C04	LM24208	47
EFM2334T	170007.60	C04	LM24207	47
EFM2513T	170065.60	C04	LM24190	35
EFM2515T	170006.60	C04	LM24199	35
EFM2531T	170009.60	C04	LM29576	36
EFM2535T	170013.60	C04	LM29577	36
EFM2539T	170017.60	C04	LM13811	36
EFM2543T	170021.60	C04	LM13813	36
EFM2547T	170025.60	C04	LM14813	36
EFM3211T	171320.60	C04	LM60026	45
EFM3211T	G131240.00			
EFM3218T	171322.60	C04	LM24195	46
EFM3218T	G131239.00			
EFM3311T	170142.60	C04		35
EFM3311T	G140609.00			
EFM3313T	170144.60	C04		35
EFM4103T	170011.60	C04	LM15792	48
EFM4104T	170015.60	C04	LM13964	48
EL1203	101423.00	C08 C25	LM24458	7
EL1301	113765.00	E02		15
EL1304	113766.00	E02		15
EL1307	101544.00	F02	LM24504	7
EL1310	113630.00			8
EL1319	113769.00	E02		16
EL1319T	110005.00	C08	LM24583	8
EL1319T	120042.00	C08	LM24687	8
EL1405T	131515.00	C08	LM24678	8
EL1408T	131534.00	C08 C10 C25	LM24680	9
EL1408T	131851.00			9
EL1410T	131537.00	C08	LM24682	9
EL3501	113765.00	C25 P02		15
EL3504	113766.00	C25 P02		15
EL3507	113767.00	C25 P02		16
EL3510	113768.00	C25 F03		16
EL3514	113769.00	C25 F03		16
EL3514T	113769.00	C05 F05 P02		16
EL3605T	131541.00	C08 F08	LM24796	171
EL3609T	131533.00	C08	LM24716	17
EL3612T	131538.00	C08	LM24718	17
EM2276T	170122.60		LM15892	46
EM2332T	170123.60		LM15675	47
EM2333T	170066.60		LM24208	47
EM2333T-5	170116.60	C02	LM16400	211
EM2334T	170007.60		LM24207	47
EM2334T-5	170117.60	C02	LM15919	211
EM2394T	170062.60		LM15890	47
EM2394T-5	170198.60	C02	LM17075	211
EM2506T	170145.60	C02	LM32738	
EM2511T	170146.60	C02	LM32742	35
EM2513T	170065.60	C02	LM24190	35
EM2514T	170032.60	C02	LM32745	35
EM2515T	170006.60	C02	LM24199	35
EM2516T	170034.60	C02	LM32747	36
EM2524T	170067.60	C02	LM31244	
EM2528T	170000.60	C02	LM30273	
EM2531T	170009.60	C02	LM29576	36
EM2532T	170002.60	C02	LM13809	
EM2534T	170036.60	C02	LM32687	36
EM2535T	170013.60	C02	LM29577	36
EM2536T	170004.60	C02	LM13810	36

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EM2538T	170038.60	C02		LM13969	36
EM2539T	170017.60	C02		LM13811	36
EM2540T	170147.60			LM13924	36
EM2542T	170040.60	C02		LM13812	36
EM2543T	170021.60	C02		LM13813	36
EM2544T	170148.60			LM13927	36
EM2546T	170042.60	C02		LM13814	36
EM2547T	170025.60	C02		LM14813	36
EM2548T	170149.60	C02		LM13944	36
EM2549T	170044.60	C02		LM13945	37
EM2550T	170151.60	C02		LM14814	37
EM2551T	170029.60	C02		LM14815	37
EM2552T	170150.60	C02		LM13947	37
EM2554T-4	170154.60	C02	C47	LM13942	37
EM2555T	170152.60	C02		LM13943	37
EM2555T-4	170152.60	C02	C47	LM13943	37
EM2556T-4	171449.60	C02		LM13945	37
EM2557T-4	170155.60	C47		LM13946	37
EM2557T-4	170259.60			LM13816	37
EM2558T-4	171522.60			LM13817	37
EM2559T-4	170155.60	C02	C47	LM13946	37
EM2560T-4	171576.60			LM13818	37
EM2562T-4	171573.60			LM13819	37
EM2563T-4	171523.60			LM13820	37
EM2564T-4	171577.60			LM16239	37
EM2569T-4	151525.60	C08			
EM2583T-4	170255.60			LM13815	37
EM3115	116128.00				33
EM3116T	121003.00			LM24871	33
EM3120T	121514.00			LM32727	34
EM3154T	121004.00			LM24875	34
EM3155T	121515.00			LM33137	34
EM3156T	121517.00			LM24872	33
EM3157T	121005.00			LM24169	34
EM3158T	121516.00			LM32731	34
EM3207T	131971.00				34
EM3211T	131519.00			LM24222	34
EM3212T	131986.00	F09		LM32734	35
EM3215T	131972.00				34
EM3218T	131520.00			LM24202	35
EM3219T	131988.00			LM32737	35
EM3305T	171574.60	C02		LM32733	34
EM3309T	171575.60	C02		LM32735	35
EM3311T	140470.00			LM24194	35
EM3311T	170142.60	C02			35
EM3312T	140753.00			LM32740	35
EM3313T	140472.00			LM24193	35
EM3314T	140754.00			LM32743	35
EM3314T	170064.60	C02			35
EM3538	103020.00	C02			43
EM3545	116129.00				44
EM3546	116752.00				33
EM3546	116757.00				44
EM3546T	120921.00			LM32796	44
EM3546T-5	120122.00				
EM3546T-5	121937.00			LM24109	209
EM3550	116758.00				44
EM3550T	121518.00			LM33122	44
EM3550T-5	121939.00			LM25102	209
EM3554	116759.00				44
EM3554T	110893.00			LM25099	209
EM3554T	120922.00			LM33123	44
EM3554T-5	121940.00			LM24142	209
EM3555	116760.00				45
EM3555T	121519.00			LM33124	45
EM3555T-5	121941.00			LM25103	209
EM3556	121520.00	F06		LM33121	44
EM3556T	121520.00			LM33121	44
EM3556T-5	121938.00				209
EM3558	116761.00	F05			45
EM3558T	120923.00			LM33125	45
EM3558T	121942.00			LM24108	209

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EM3581T	120921.00	C01		LM32796	44
EM3581T	171640.60			LM24102	44
EM3582T	121520.00	C01		LM33121	44
EM3582T	171643.60			LM15856	44
EM3583T	116758.00	C01			44
EM3583T	121518.00	C01		LM33122	44
EM3583T	171642.60			LM15854	44
EM3584T	120922.00	C01		LM33123	44
EM3584T	171646.60			LM25267	44
EM3586T	121519.00	C01		LM33124	45
EM3586T	171648.60			LM15857	45
EM3587T	120923.00	C01		LM33125	45
EM3587T	171647.60			LM24127	45
EM3607T-5	132251.00			LM17059	209
EM3610T	131985.00			LM15646	45
EM3611T	131463.00			LM32741	45
EM3611T-5	132253.00			LM16384	210
EM3613T	131987.00			LM15649	46
EM3613T-5	132254.00			LM16386	210
EM3614T-5	132252.00			LM17062	209
EM3615T	131464.00			LM15650	46
EM3615T-5	132255.00			LM17067	210
EM3660T	131985.00	C01		LM15646	45
EM3661T	171320.60			LM60026	45
EM3663T	131987.00	C01		LM15649	46
EM3664T	131981.00	C01		LM15651	45
EM3665T	171322.60			LM24195	46
EM3667T	131980.00	C01		LM15648	44
EM3704T	171378.60	C02		LM60027	45
EM3708T	171379.60	C02		LM15883	46
EM3709T	140756.00			LM32804	46
EM3709T-5	170196.60	C02		LM16389	210
EM3709T-5	170197.60	C02		LM16394	210
EM3710T	140450.00			LM16029	46
EM3710T-5	141116.00			LM16391	210
EM3711T	140755.00			LM32808	47
EM3714T	140451.00			LM32809	47
EM3764T	171378.60			LM60027	45
EM3768T	171379.60			LM15883	46
EM3769T	170158.60			LM15878	46
EM3770T	170157.60			LM24209	46
EM3771T	170159.60			LM15861	47
EM3774T	170140.60			LM60036	47
EM3774T-5	170212.60	C02		LM17073	210
EM4100T	170068.60			LM15793	47
EM4102T	170001.60			LM15796	47
EM4103T	170011.60			LM15792	48
EM4103T-5	170118.60	C02		LM16407	211
EM4104T	170015.60			LM13964	48
EM4104T-5	170119.60	C02		LM19595	211
EM4106T	170033.60			LM15673	47
EM4106T-5	170199.60	C02		LM16403	211
EM4107T	170035.60			LM13960	48
EM4107T-5	170224.60	C02		LM16406	211
EM4108T	170037.60			LM60046	48
EM4108T-5	170228.60	C02		LM20085	211
EM4109T	170039.60			LM19749	49
EM4109T-5	170232.60	C02		LM14407	211
EM4110T	170019.60			LM13699	49
EM4110T-5	170120.60	C56		LM14396	211
EM4111T	170003.60			LM13696	48
EM4114T	170041.60			LM60052	49
EM4114T-5	170121.60	F14	C02	LM14411	211
EM4115T	170023.60			LM19753	49
EM4117T	170005.60			LM60048	48
EM4308T	170096.60			LM13918	49
EM4310T	170043.60			LM14808	49
EM4312T	170097.60			LM19754	49
EM4313T	170045.60			LM14810	50
EM4314T	170027.60			LM14809	49
EM4314T-5	170239.60	C02		LM18369	212

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EM4316T-5	170244.60	C02	LM18372	212
EM4400T	170087.60		LM19762	50
EM4400T-5	170253.60	C02	LM18292	212
EM4402T-4	170160.60		LM13939	50
EM4403T	170098.60		LM13938	49
EM4404T	170099.60		LM60060	50
EM4406T-4	170371.60		LM13707	51
EM4407TR-4	170352.60		LM16230	51
EM4409T-4	170256.60		LM13702	50
EM4410T-4	170369.60		LM60065	50
EM4411T-4	170260.60		LM13705	50
EM4412T-4	171580.60		LM60064	50
EM4413T-4	171578.60		LM13706	51
EM44156T-4	171315.60		LM16231	51
EM4416T-4	171579.60	C15	LM16229	51
EM44206T	171316.60		LM60072	51
EM7037T	121917.00			101
EM7053T	825092.00			103
EM7054T	825093.00			103
EM7056T	825095.00			103
EM7058T	825097.00			103
EM7059T	825094.00			103
EM7060T	825099.00			103
EM7062T	825101.00			103
EM7063T	825096.00			103
EM7064T	825103.00			103
EM7066T	825105.00			103
EM7067T	825100.00			103
EM7068T	825107.00			103
EM7075T	121918.00			101
EM7081T	825102.00			103
EM7083T	825098.00			103
EM7090T	825109.00			103
EM7142T	825085.00			103
EM7144T	825087.00			103
EM7145T	825088.00			103
EM7147T	825089.00			103
EM7170T	825091.00			103
EM7172T	825086.00			103
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EM74124T-4	825111.00			103
EM74154T	825113.00			103
EM74204T	825115.00			103
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EMM2334	193319.60			266
EMM3559	192209.00			266
EMM3611	193301.60			266
EMM3613	193306.60			266
EMM3615	193307.60			266
EMM3709	193309.60			266
EMM3710	193310.60			266
EMM3711	193312.60			266
EMM3714	193313.60			266
EMM4103	193322.60			266
EMM4104	193325.60			266
EMM4110	193328.60			266
EMM5700	192208.00			266
EMM5700-5	192231.00			269
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EWDM3546T	121865.00	E02		135
EWDM3554T	121869.00	E02		135
EWDM3558T	121866.00			135
EWDM3611T	132196.00			135
EWDM3615T	132197.00			135
EWDM3710T	140819.00			135
EWDM3714T	140820.00			135
FDL3501M	113256.00		LM24789	171
FDL3501M	M002256.00			182
FDL3504M	110086.00		LM24790	171
FDL3504M	M009086.00			182

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FDL3507M	M009087.00			182
FDL3510M	110088.00	F03	LM24792	171
FDL3510TM	121569.00		LM24793	171
FDL3510TM	M009089.00			182
FDL3514M	110089.00	C39	LM24794	171
FDL3514TM	113938.00	C39	LM24795	171
FDL3514TM	M009089.00			182
FDL3516TM	110090.00			171
FDL3610M	131542.00	F09	LM24801	171
FDL3610TM	131542.00		LM24801	171
FDL3611M	110090.00	B22		171
FDL3611TM	131541.00		LM24796	171
FDL3612TM	131543.00		LM24798	171
FDL3619TM	131542.00		LM24801	171
FDL3712TM	140414.00		LM24805	173
FDL3731M	131543.00	B23	LM24798	171
FDL3732M	140707.00	F12	LM24799	171
FDL3733TM	140130.00			173
FDL3733TM	140707.00		LM24799	171
FDL3737TM	140706.00			171
FM2513T	G150065.60	C04		
FM2515T	G150006.60	C04		
FM2531T	G150009.60	C04		
FM2535T	G150013.60	C04		
FM2539T	G150017.60	C04		
FM2543T	G150021.60	C04		
FM3211T	G131240.00			
FM3218T	G131239.00			
FM3311T	G140609.00			
FM3313T	G150144.60	C04		
FM3611T	G131237.00			
FM3615T	G131236.00			
FM3710T	G140604.00			
FM3714T	G150140.60	C04		
GC24302	M1125084.00	B36 C32 S08		330
GC24306	M1125083.00	B36 C32 S08		330
GC24310	M1125081.00	B36 C32 S08		330
GC25010	M1145039.00	B36 C32 S08		330
GC25015	M1145082.00	B36 C32 S08		330
GC25020	M1145038.00	B36 C32 S08		330
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GCP24122	M1125128.00	E02		321
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GCP25054	M1145033.00	C32 E02		323
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GMP3330	096013.00			327
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GP7403	M1135069.00	B36 S08 S11		311
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GP7407	M1135043.00	B36 S08 S11		311
GP7425	M1135062.00	B36 S08 S11		311
GP7427	M1135063.00	B36 S08 S11		311
GPP12503	M1125004.00			301
GPP12545	M1125072.00			303
GPP12547	M1125070.00			303
GPP231108	M1115001.00			301
GPP231109	M1115002.00			301
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This information is furnished as a guide only.
Always check specific motor to determine
sutiability for direct replacement

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GPP233112	M1115027.00			303
GPP233120	M1125048.00			301
GPP233121	M1125036.00			301
GPP233140	M1115026.00	B36		303
GPP7451	M1135116.00			307
GPP7452	M1135112.00			307
GPP7453	M1135111.00			307
GPP7454	M1135114.00			307
GPP7455	M1135110.00			307
GPP7456	M1135108.00			307
GPP7457	M1135117.00			307
GPP7458	M1135107.00			307
GPP7459	M1135106.00			307
GPP7460	M1135109.00			307
GPP7461	M1135115.00			307
GPP7470	M1135150.00			307
GPP7471	M1135149.00			307
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GPP7473	M1135147.00			307
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GSL3509M	111330.00			178
HM3108	100029.00	C25	LM24098	33
HM3112	100030.00		LM24099	33
HM3116	115827.00			33
HM3154	115825.00			34
HM3154A	111309.00	F03		34
HM3157	115826.00			34
HM3161A	116595.00	P03		34
HM3218TA	G130565.00			
IDGM2500	M1145131.00	B36		335
IDGM2501	M1145130.00	B36		335
IDGM2503	M1145129.00	B36		335
IDGM2506	M1145128.00	B36		335
IDGM2508	M1145127.00	B36		335
IDGMP2500	096070.00			335
IDGMP2501	096069.00			335
IDGMP2503	096068.00			335
IDGMP2505	096067.00			335
IDM2333T	810066.00	E01	LM06135	78
IDM2334T	810007.00	E01		78
IDM3581T	810548.00	E01	LM26359	77
IDM3584T	810547.00	E01 F07	LM26233	77
IDM3587T	810546.00	E01	LM06113	77
IDM3661T	811320.00	E01	LM06119	77
IDM3665T	811322.00	E01		77
IDM3770T	810157.00	E01	LM06131	77
IDM3774T	810140.00	E01		77
IDM4102T	810001.00			78
IDM4103T	810011.00			78
IDM4104T	810015.00			78
IDM4110T	810019.00			78
IDM4115T	810023.00			78
IDM4117T	810005.00			78
IDM4312T	810097.00			78
IDM4314T	810027.00			78
IDM4316T	810031.00			78
IDM4400T-4	810087.00			78
IDM4404T	810099.00			78
IDM4406T-4	811371.00		LM03564	78
IDM4407T-4	810503.00		LM3596	78
IDM4409T-4	811367.00			78
IDM4410T-4	811369.00		LM03516	78
IDNM2333T	810066.00		LM06135	78
IDNM3581T	810548.00		LM26359	77
IDNM3584T	810547.00	F07	LM26233	77
IDNM3587T	810546.00		LM06113	77

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IDNM3770T	810157.00	E01	LM06131	77
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IR3510M	114933.00	C25		238
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JL1306A	101528.00			
JL1307A	100723.00			113
JL1309A	100723.00			113
JL1309A	101529.00			
JL1313A	110292.00			113
JL1313A	113687.00			
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JL225A	100207.00	H01		113
JL325A	100207.00			113
JL3503A	113955.00			114
JL3506A	113956.00			114
JL3509A	113639.00			114
JL3513A	113640.00			114
JL3515A	113641.00			114
JL425A	100208.00			113
JL5003A	116188.00			100
JL5006A	116186.00			100
JL5009A	116185.00			100
JL5030	116183.00			100
JL5031	116181.00			100
JL525A	100723.00			113
JL625A	110292.00			113
JL725A	110293.00			113
JL825A	110286.00			113
JM225	102197.00			115
JM3006	102197.00			115
JM3107	102198.00			115
JM3111	101637.00			115
JM3115	101638.00			115
JM3120	113891.00			115
JM3155	113892.00			115
JM3158	113893.00			115
JM3460	114931.00			116
JM3463	114208.00			116
JM3545	114207.00			116
JM3550	114206.00			116
JM3555	114205.00			116
JM3559	114204.00			116
JM625	113891.00			115
JM7013	116184.00	P01		101
JM7018	116182.00	P01		101
JM7071	116180.00	P01		101
JML1406T	131640.00			120
JML1408T	131604.00			120
JML1409T	131641.00			120
JML1508T	131605.00	F11		120
JML1509T	140642.00			120
JML1510T	140665.00			120
JML1511T	140644.00	C25		120
JML1512T	140666.00			120
JMM2333T	151568.60			
JMM2333T	G151568.60	C56		122
JMM2334T	151570.60			
JMM2334T	G151570.60	C56		122
JMM2394T	151567.60			
JMM2394T	G151567.60	C56		122
JMM2513T	151361.60	C02		
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JMM2514T	151381.60	C02		
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JMM2531T	G801028.00	C56		121
JMM2534T	801040.00	C02		
JMM2534T	G801040.00	C56		121
JMM2535T	801029.00	C02		
JMM2535T	G801029.00	C56		121
JMM2538T	801041.00	C02		
JMM2538T	G801041.00	C56		121
JMM2539T	801030.00	C02		
JMM2539T	G801030.00	C56		121
JMM2542T	801042.00	C02		
JMM2542T	G801042.00	C56		121
JMM3116T	121850.00			
JMM3116T	G121850.00	C56		121
JMM3154T	121851.00			
JMM3154T	G121851.00	C56		121
JMM3155T	121853.00			
JMM3155T	G121853.00	C56		121
JMM3157T	121852.00			
JMM3157T	G121852.00	C56		121
JMM3158T	121854.00			
JMM3158T	G121854.00	C56		121
JMM3211T	131562.00			
JMM3211T	G131562.00	C56		121
JMM3212T	131574.00			
JMM3212T	G131574.00	C56		121
JMM3218T	131563.00			
JMM3218T	G131563.00	C56		121
JMM3219T	131576.00			
JMM3219T	G131576.00	C56		121
JMM3311T	140618.00			
JMM3311T	G140618.00	C56		121
JMM3312T	131577.00			
JMM3312T	G141121.00	C56		121
JMM3313T	140619.00			
JMM3313T	G140619.00	C56		121
JMM3314T	151380.60			
JMM3314T	G151380.60	C56		121
JMM3546T	121855.00			
JMM3546T	G121855.00	C56		122
JMM3550T	121858.00			
JMM3550T	G121858.00	C56		122
JMM3554T	121856.00			
JMM3554T	G121856.00	C56		122
JMM3555T	121859.00			
JMM3555T	G121859.00	C56		122
JMM3558T	121857.00			
JMM3558T	G121857.00	C56		122
JMM3559T	121860.00			
JMM3559T	G121860.00	C56		122
JMM3611T	131579.00			
JMM3611T	G131579.00	C56		122
JMM3613T	131580.00			
JMM3613T	G131580.00	C56		122
JMM3615T	131581.00			
JMM3615T	G131581.00	C56		122
JMM3616T	131582.00			
JMM3616T	G131582.00	C56		122
JMM3709T	132027.00			
JMM3709T	G132027.00	C56		122
JMM3710T	140622.00			
JMM3710T	G140622.00	C56		122
JMM3711T	131583.00			
JMM3711T	G141122.00	C56		122
JMM3713T	140764.00			
JMM3713T	G140764.00	C56		122
JMM3714T	140623.00			
JMM3714T	G140623.00	C56		122
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JMM4103T	G151418.60	C56		122

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JMM4104T	G151422.60	C56		122
JMM4106T	151569.60			
JMM4106T	G151569.60	C56		122
JMM4107T	151417.60			
JMM4107T	G151417.60	C56		122
JMM4108T	151420.60			
JMM4108T	G151420.60	C56		122
JMM4109T	151424.60			
JMM4109T	G151424.60	C56		122
JMM4110T	151426.60			
JMM4110T	G151426.60	C56		122
JMWDM3546T	121579.00	E02		
JMWDM3546T	G121579.00	E02		137
JMWDM3550T	121580.00			
JMWDM3554T	121581.00	E02		
JMWDM3554T	G121581.00	E02		137
JMWDM3555T	121582.00			
JMWDM3555T	G121582.00			137
JMWDM3558T	121583.00			
JMWDM3558T	G121583.00			137
JMWDM3559T	121584.00			
JMWDM3599T	G121584.00			137
JMWDM3611T	131967.00			
JMWDM3611T	G131967.00	C15		137
JMWDM3613T	131968.00			
JMWDM3613T	G131968.00	C15		137
JMWDM3615T	131969.00			
JMWDM3615T	G131969.00			137
JMWDM3616T	131970.00	C39		
JMWDM3616T	G131970.00			137
JMWDM3710T	140733.00			
JMWDM3710T	G140733.00			137
JMWDM3711T	140734.00			
JMWDM3711T	G140734.00			137
JMWDM3713T	140736.00	C39		
JMWDM3713T	G140736.00	C15		137
JMWDM3714T	140735.00	C39		
JMWDM3714T	G140735.00			137
JMWDN3550T	G121580.00	E02		137
JPL1409T	131881.00			119
JPL1509T	140646.00			119
JPL1511T	140647.00	C25		119
JPM2333T	G151747.60			123
JPM2334T	G151749.60			123
JPM2513T	801051.00			
JPM2513T	G801051.00	C56		119
JPM2514T	801056.00			
JPM2514T	G801056.00	C56		119
JPM2515T	801052.00			
JPM2515T	G801052.00	C56		119
JPM2515T	G801056.00			119
JPM2516T	801057.00			
JPM2516T	G801057.00	C56		119
JPM2531T	801053.00			
JPM2531T	G801053.00	C56		119
JPM2534T	801058.00	C02		
JPM2534T	G801058.00	C56		119
JPM2535T	801054.00	C02		
JPM2535T	G801054.00	C56		119
JPM2538T	801059.00	C02		
JPM2538T	G801059.00	C56		119
JPM2539T	801055.00	C02		
JPM2539T	G801055.00	C56		
JPM2542T	801060.00	C02		
JPM2542T	G801060.00	C56		119
JPM3154T	121846.00			
JPM3154T	G121846.00	C56		119
JPM3157T	121847.00			
JPM3157T	G121847.00	C56		119
JPM3158T	121849.00			
JPM3158T	G121849.00			119

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JPM3211T	131882.00					
JPM3211T	G131882.00	C56				119
JPM3212T	131884.00					
JPM3212T	G131884.00	C56				119
JPM3218T	131883.00					
JPM3218T	G131883.00					119
JPM3219T	131885.00					
JPM3219T	G131885.00	C56				119
JPM3311T	140667.00					
JPM3311T	G140667.00	C56				119
JPM3312T	140655.00					
JPM3312T	G140655.00	C56				119
JPM3313T	140668.00					
JPM3313T	G140668.00	C56				119
JPM3314T	140656.00					
JPM3314T	G140656.00	C56				119
JPM3554T	G151736.60	C56				123
JPM3558T	G151737.60					123
JPM3610T	G151738.60					123
JPM3611T	G151739.60					123
JPM3613T	G151740.60					123
JPM3615T	G151741.60					123
JPM3709T	G151742.60					123
JPM3710T	G151743.60					123
JPM3711T	G151744.60					123
JPM3713T	G151746.60					123
JPM3714T	G151745.60					123
JPM4103T	G151751.60					123
JPM4104T	G151753.60					123
JPM4106T	G151748.60					123
JPM4107T	G151750.60					123
JPM4108T	G151752.60					123
JPM4109T	G151754.60					123
JPM4110T	G151755.60					123
JPM4114T	G151756.60					123
JSL1303A	MST1052.00					
JSL1306A	MST1072.00					
JSL1309A	MST1102.00					
JSL1313A	MST1152.00					
JSL1317A	MST1202.00					
JSL325A	MST1052.00					
JSL425A	MST1072.00					
JSL525A	MST1102.00					
JSL625A	MST1152.00					
JSL725A	MST1202.00					
K3403	102866.00	F02				24
K3405	102870.00	F02			LM24736	24
KBL3406	114165.00					257
KBL3409	111950.00					257
KBM3458	114158.00					259
KENM3534	102696.00	E01	F02			65
KL1203	100023.00	K89			LM24569	21
KL1205	100354.00	K89			LM24688	21
KL1205A	100355.00	K89				21
KL3403	102866.00					24
KL3405	102870.00				LM24736	24
KM3003	103014.00	F02				59
KM3006	100375.00	F02			LM24909	59
KM3454	101767.00	F02			LM24964	65
KM3454-50	102184.00					228
KM3457	110446.00	E01				65
KNM3454	101648.00	F02				65
KNM3534	102863.00	F02				65
L1200	102012.00	E02				15
L1201	102013.00	E02				15
L1203	101423.00	P02			LM24458	7
L1203M	101423.00				LM24458	7
L1204	102015.00	E02				15
L1205	100336.00	F02			LM24467	7
L1206	100116.00	P01				7
L1206-50	110394.00	F03				224
L1206M	100588.00	F02			LM24550	7
L1207	110001.00	F03			LM24540	7
L1208	100184.00				LM24465	7
L1208-50	113901.00	F03				224
L1209	100338.00					7
L1209-50	110395.00	F03				224
L1209M	100004.00	F02			LM24553	7
L1300	114617.00	E02			LM24545	15
L1301	100006.00				LM24570	7
L1301M	100588.00				LM24550	7
L1302	110001.00				LM24540	7
L1303	100337.00	F02				7
L1304	100007.00	F02			LM24551	7
L1304-50	110395.00	F03				224
L1304A	100002.00	F02			LM24552	7
L1304M	100004.00	F02			LM24553	7
L1305	110002.00	F03			LM24542	7
L1306	100340.00				LM24674	7
L1306-50	113902.00					224
L1306A	100053.00	P02				7
L1307	100008.00	F02			LM24502	7
L1307-50	110396.00					224
L1307A	100003.00	F02			LM24503	7
L1307M	100005.00	F02				7
L1308	110003.00	F02			LM24543	7
L1309	110360.00				LM24525	8
L1309-50	113903.00					224
L1309A	110097.00	P02				8
L1310	110004.00				LM24580	8
L1310M	110167.00	F03			LM24582	8
L1313	110361.00	F03			LM24524	8
L1313	113631.00	F03				8
L1313-50	113904.00					224
L1313A	110110.00	F03	P02			8
L1313T	120107.00				LM24676	8
L1317	110363.00	F03			LM24624	8
L1317-50	113905.00					224
L1317A	110362.00	P02	F03			8
L1318	110004.00	F03			LM24580	8
L1318-50	110397.00					224
L1318M	110167.00	C39	F03		LM24582	8
L1318T	120044.00				LM24675	8
L1318TM	120003.00	C39				8
L1319	110005.00				LM24583	8
L1319-50	110398.00					224
L1319M	110006.00				LM24585	8
L1319T	120004.00					8
L1319T	120042.00				LM24687	8
L1320T	120106.00				LM24806	8
L1321T	120001.00	P01				8
L1321TM	120004.00					8
L1322T	120067.00				LM24677	8
L1322TM	120879.00				LM24685	8
L1401	120044.00	B22			LM24675	8
L1401M	120003.00	B22				8
L1403	120001.00	B22				8
L1403M	120004.00	B22				8
L1405	131515.00	F08			LM24678	8
L1405T	131515.00				LM24678	8
L1405T-50	131553.00					224
L1406T	131636.00				LM24679	9
L1407	120043.00	B22	E02			16
L1408T	131534.00				LM24680	9
L1408T-50	131554.00					224
L1408TM	131561.00					9
L1408TM	131851.00					9
L1409T	131616.00				LM24681	9
L1410T	131537.00				LM24682	9
L1410TM	131622.00					9
L1430T	131537.00				LM24682	9
L1430TM	131622.00					9
L1502	131515.00	B23			LM24678	8
L1505	131534.00	B23			LM24680	9

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L1509T	140680.00			9
L1510T	140155.00		LM24683	9
L1511T	140681.00			9
L1512T	140311.00		LM24684	9
L206	100006.00		LM24570	7
L3351	170066.60		LM24208	47
L3353	170097.60		LM19754	49
L3355	092116.00			15
L3356	170097.60		LM19754	49
L3400	102012.00			15
L3401	102013.00			15
L3403	102014.00		LM24606	15
L3403M	101446.00			15
L3404	102015.00			15
L3405	102016.00		LM24705	15
L3406	100955.00			15
L3406M	102018.00			15
L3407	102019.00			15
L3408	102020.00			15
L3409	100956.00			15
L3500	114617.00		LM24545	15
L3501	102931.00		LM24597	15
L3501-50	110423.00	C25		225
L3501M	102933.00		LM24602	15
L3502	110009.00		LM24546	15
L3503	102905.00		LM24706	15
L3503-50	113917.00			225
L3504	102906.00		LM24627	15
L3504-50	110064.00			225
L3504A	102908.00		LM24603	15
L3504M	102909.00		LM24604	15
L3505	110011.00		LM24496	15
L3506	110276.00		LM24707	16
L3506-50	113918.00			225
L3507	110013.00		LM24607	16
L3507-50	110065.00			225
L3507A	110017.00		LM24608	16
L3507M	110022.00			16
L3508	110400.00		LM24497	16
L3508T	110400.00	F05	LM24497	16
L3509	110059.00	F03	LM24708	16
L3509-50	113919.00			225
L3509M	110142.00	F03	LM24745	16
L3510	110209.00	F03	LM24610	16
L3510-50	113911.00	F05		225
L3510A	110018.00	F03	LM24611	16
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L3510T	120025.00		LM24709	16
L3510TM	120008.00			16
L3513	110094.00	F03	LM24531	16
L3513-50	113920.00	C25 F05		225
L3513M	110109.00	F03	LM24532	16
L3513T	120130.00		LM24710	16
L3514	110253.00		LM24513	16
L3514-50	110424.00	F05		225
L3514A	110019.00		LM24514	16
L3514M	113333.00		LM24515	16
L3514T	120026.00		LM24711	16
L3514TM	120009.00		LM24746	16
L3515	110352.00		LM24534	17
L3515-50	113928.00	F05		225
L3515M	110402.00		LM24534	17
L3515T	120036.00		LM24712	17
L3516T	121507.00			17
L3516TM	110090.00			171
L3516TM	120867.00	C25 F06		17
L3601	120025.00	B22	LM24709	16
L3603	120026.00	B22	LM24711	16
L3605	131509.00	F08	LM24713	17
L3605M	131509.00	F08 P03	LM24713	17
L3605T	131509.00		LM24713	17

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L3605TM	131509.00	P03	LM24713	17
L3606	131637.00	F08	LM24715	17
L3606T	131637.00		LM24715	17
L3607	120043.00	B22		16
L3608T	131549.00		LM24717	17
L3608TM	132042.00	C39		17
L3609T	131533.00	C10	LM24716	17
L3609T-50	131557.00			225
L3609TM	131855.00	C39		17
L3612TM	131856.00	C39		17
L3613T	131526.00			16
L3703	140747.00	C39 F12		17
L3705	131855.00	B23		17
L3708	140203.00	F12 P02		173
L3708T	140203.00	F12 P02		173
L3708T-50	140475.00	P02		225
L3708TM	140203.00	F12		173
L3709T	140684.00		LM24719	17
L3710T	140120.00		LM24720	17
L3711T	140685.00		LM24721	17
L3712T	140581.00		LM24722	17
L5001A	111074.00	E01		100
L5004A	111084.00	F05		100
L5007A	110934.00	F05		100
L5023A	110961.00	F05		100
M1504T	120942.00			198
M1506T	131473.00			198
M1507T	131472.00	C11		198
M1508T	140446.00			198
M1554T	120944.00			197
M1555T	120947.00	C11		197
M1556T	120946.00			197
M1557T	131468.00	C11		197
M1558T	131469.00			197
M1559T	140443.00			197
M1704T	120943.00			198
M1706T	131471.00			198
M1707T	131470.00			198
M1708T	140445.00			198
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M1755T	120941.00	C11		197
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M1757T	131474.00	C11		197
M1758T	131475.00			197
M1759T	140447.00	C11		197
M1760T	140448.00			197
M2237	G140578.00	B24		
M2238	G150140.60	B24		
M2275	G140126.00	B24		
M2276T	G150122.60			
M2280T	151355.22			
M2280T	G151355.22		LM32803	46
M2332	G150123.60	B25		
M2332T	G150123.60			
M2333	G150066.60	B25		
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M2334	G150007.60	B25		
M2334T	G150007.60	C52		
M2334T-12	G150007.60			
M2393	G140686.00	B24		
M2394	G151317.60	B24		
M2394T	G150062.60			
M2395T	150261.22			
M2395T	G150261.22			47
M2401T	151356.22			
M2401T	G151356.22		LM32807	46
M2402T	150282.22			
M2402T	G150282.22			47
M2504T	151355.22	C02 E02		
M2505	G140471.00	B24		
M2506T	G150145.60	C02		

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M2508T	151356.22	C02 E02		
M2510	G140490.00	B24		
M2511T	G150146.60	C02		
M2513T	G140579.00			
M2514T	G150032.60	C02		
M2515T	G150006.60	C02 C52		
M2515T-12	G150006.60	C02		
M2516T	G150034.60	C02		
M2523	G140579.00	B25		
M2524T	G150067.60	C02		
M2527	G150006.60	B25		
M2528T	G150000.60	C02		
M2531	G150009.60	B26		
M2531T	G150009.60	C02		
M2531T-12	G150009.60	C02		
M2532T	G150002.60	C02		
M2534T	G150036.60	C02		
M2535	G150013.60	B26		
M2535T	G150013.60	C02 C52		
M2535T-12	G150013.60	C02		
M2536T	G150004.60	C02		
M2538T	G150038.60	C02		
M2539T	G150017.60	C02 C52		
M2539T-12	G150017.60	C02		
M2540T	G150147.60	C02		
M2542T	G150040.60	C02		
M2543T	G150021.60	C02 C52		
M2543T-12	G150021.60	C02		
M2544T	G150148.60	C02		
M2546T	G150042.60	C02		
M2547T	G150025.60	C02 C52		
M2547T-12	G150025.60	C02		
M2548T	G150149.60	C02		
M2549T	G150044.60	C02		
M2550T	G150151.60	C02		
M2551T	G150029.60	C02 C52		
M2551T-12	G150029.60	C02		
M2552T	G150150.60	C02		
M2554T-4	G150154.60	C02 C47		
M2555T	G150152.60	C02 C52		
M2555T-12	G150152.60	C02		
M2556T-4	G151449.60	C02		
M2557T-4	170259.60	C15	LM13816	37
M2558T-4	G151522.60	F19		
M2559T-4	G150155.60	C02 C47		
M2560T-4	171576.60	C15	LM13818	37
M2562T-4	171573.60	C15	LM13819	37
M2563T-4	G151523.60			
M2564T-4	171577.60	C15	LM16239	37
M2566T-4	151524.60			
M2566T-4	G151524.60		LM13823	38
M2569T-4	151525.60			
M2569T-4	G151525.60			38
M2572T-4	151518.60	F19		
M2583T	170255.60	C15	LM13815	37
M3003	100027.00	F02	LM24866	33
M3006	101447.00		LM24867	33
M3007	100446.00			33
M3009	110425.00	H03	LM24868	33
M3010	100961.00	E02	LM24932	43
M3012	100960.00	E02		43
M3101	110425.00	H03	LM24868	33
M3104	100028.00		LM24152	33
M3105	110425.00		LM24868	33
M3107	101448.00		LM24869	33
M3108	100029.00		LM24098	33
M3108A	100796.00	B32		40
M3109	110027.00		LM24146	33
M3111	101449.00		LM24870	33
M3112	100030.00		LM24099	33
M3112A	100908.00	B32		40
M3115	110426.00		LM24155	33

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M3116A	111311.00	B32		40
M3116T	G120010.00			
M3120	110429.00		LM24874	34
M3120T	G120103.00			
M3153	110028.00		LM24162	33
M3154	110430.00		LM24117	34
M3154	111309.00			34
M3154	115825.00			34
M3154A	111309.00			34
M3154T	G120011.00			
M3155	113292.00		LM24877	34
M3155T	G120076.00			
M3156	113933.00	E02	LM24159	44
M3156T	G120089.00			
M3157	111310.00			34
M3157	113025.00		LM24106	34
M3157	115826.00			34
M3157T	G120012.00			
M3157TA	111310.00	F03		34
M3158	113293.00		LM24878	34
M3158T	G120077.00			
M3159	114930.00	E02		44
M3161T	116595.00	F05		34
M3161TA	116595.00	P03		34
M3203	G120010.00	B22		
M3206	G120011.00	B22		
M3207T	G130010.00			
M3208	G120076.00	B22		
M3209	G120012.00	B22		
M3210	G120077.00	B22		
M3211T	G130000.00			
M3211T/36	G130000.00			
M3211TA	G131338.00			
M3212T	G130282.00			
M3215T	G130012.00			
M3216T	131478.00	E02		
M3218T	G130004.00			
M3218T-8	131500.00			
M3218TA	G130565.00			
M3219T	G130284.00			
M3220T	131479.00	E02		
M3303T	140516.00	E02		
M3304	G131338.00	B23		
M3305T	G140550.00			
M3306T	140516.00	E02		
M3306T	G151809.22		LM32688	45
M3307	G130282.00	B23		
M3308	G130565.00	B23		
M3309T	G140122.00			
M3310	G130284.00	B23		
M3311T	G140471.00			
M3311T-8	131547.00			
M3312T	G140682.00			
M3313T	G140490.00			
M3313T-8	140004.00			
M3314T	G140683.00			
M3454	101646.00		LM24929	43
M3457	102684.00			43
M3457	102864.00		LM24736	24
M3458	101647.00		LM24930	43
M3460	100905.00			43
M3461	100961.00		LM24932	43
M3463	100960.00			43
M3531	110441.00	H03	LM24931	43
M3532	114618.00	H01	LM24291	43
M3534	101079.00		LM24107	43
M3535	110441.00		LM24931	43
M3536	114618.00	H01	LM24291	43
M3537	101448.00	E03	LM24869	33
M3537-5	110714.00	E01	LM25094	209
M3538	100913.00		LM24073	43

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M3538-5	101051.00	E01 F02		209
M3538-5	110199.00	E01	LM24154	209
M3538-50	102693.00			227
M3539	110353.00		LM24105	43
M3541	110313.00		LM24133	43
M3541-5	110354.00		LM24110	209
M3541-50	114306.00			227
M3542	110034.00		LM24075	43
M3542-5	110178.00		LM25095	209
M3542-50	114307.00	C39		227
M3543	110275.00	F03	LM24136	43
M3543	121009.00		LM24103	43
M3543-5	111394.00			209
M3543T	121009.00		LM24103	43
M3543T-5	111394.00	F03		209
M3545	110145.00		LM24094	44
M3545-5	110715.00		LM25096	209
M3545-50	114308.00			227
M3546	110035.00		LM24078	44
M3546-5	110206.00		LM25097	209
M3546T	G120014.00			
M3546T-50	121096.00			227
M3546T-8	120047.00			
M3550	110745.00		LM24144	44
M3550T	G120086.00			
M3550T-5	120170.00	C08		
M3550T-50	121097.00			227
M3554	110444.00		LM24118	44
M3554T	G120015.00	C25		
M3554T-5	120021.00	C08		
M3554T-50	121093.00			227
M3554T-8	120032.00			
M3555	111916.00	F03	LM24347	45
M3555T	G120088.00			
M3555T-50	121094.00			227
M3556	113933.00	F03	LM24159	44
M3556T	G120087.00			
M3556T-5	120167.00	C08		
M3557	114930.00			44
M3558	113026.00		LM24097	45
M3558T	G120016.00			
M3558T-50	121095.00			227
M3558T-8	120034.00			
M3559	114614.00	C11		45
M3559T	G120185.00			
M3560	114618.00	F03	LM24291	43
M3581T	G120014.00	C01 C25		
M3582T	G120087.00	C01 C25		
M3583T	G120086.00	C01 C25		
M3584T	G120015.00	C01 C25		
M3586T	G120088.00	C01 C25		
M3587T	G120016.00	C01 C25		
M3600	114618.00	B22	LM24291	43
M3601	121009.00	B22	LM24103	43
M3602	121199.00	C25 F22	LM24276	43
M3603	G120014.00	B22		
M3604	G120087.00	B22		
M3605	G120086.00	B22		
M3606	G120015.00	B22		
M3607	116591.00	B22		44
M3607T	G130015.00			
M3607T	G131479.00		LM32798	44
M3607T-5	131548.00	C08		
M3608	G120088.00	B22		
M3609	G120016.00	B22		
M3610	G130099.00	F08		
M3610T	G130099.00			
M3610T-50	131480.00			227
M3611	G130008.00	F08		
M3611T	G130008.00			
M3611T/36	G130008.00			
M3611T-50	131459.00			227

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M3611T-8	131465.00			
M3613T	G130101.00			
M3613T-50	131481.00			227
M3614T	G130016.00			
M3615T	G130027.00			
M3615T-50	131454.00			227
M3615T-8	131466.00			
M3616T	G131082.00			
M3617T	131478.00			
M3617T	G131478.00		LM32662	44
M3618T	131479.00			
M3660T	G151563.60			
M3661T	G151320.60			
M3663T	G150299.60			
M3664T	G130016.00	C01		
M3665T	G151322.60			
M3667T	G130015.00	C01		
M3701	131479.00	B23		
M3702T	140516.00			
M3702T	G140516.00		LM32799	45
M3703	G130008.00	B23		
M3705T	140518.00			
M3706	G130101.00	F09		
M3707	G130027.00	F09		
M3708T	G140126.00			
M3709	G130103.00	F12		
M3709T	G130103.00			
M3710T	G140578.00			
M3710T-5	140593.00			
M3710T-8	131467.00			
M3711T	G140686.00			
M3712	G130016.00	B23		
M3713T	G140687.00			
M3714T	G140489.00			
M3714T-8	140013.00			
M3768T	G140126.00	C01		
M3769T	G150158.60			
M3770T	G150157.60			
M3771T	G150159.60			
M3774T	G150140.60			
M4100T	G150068.60			
M4102T	G150001.60			
M4103	G150011.60	B26		
M4103T	G150011.60	C52		
M4103T-12	G150011.60			
M4104	G150015.60	B26		
M4104T	G150015.60	C52		
M4104T-12	G150015.60			
M4106	G150033.60	B25		
M4106T	G150033.60			
M4107	G150035.60	B26		
M4107T	G150035.60			
M4108T	G150037.60			
M4109T	G150039.60			
M4110T	G150019.60	C52		
M4110T-12	G150019.60			
M4111T	G150003.60			
M4112T	150263.22			
M4112T	G150263.22			47
M4114T	G150041.60			
M4115T	G150023.60	C52		
M4115T-12	G150023.60			
M4116T	150265.22			
M4117T	G150005.60			
M4118T	G151318.60			
M4307	G150019.60	B27		
M4308T	G150096.60			
M4310T	G150043.60			
M4311	G150023.60	B27		
M4312T	G150097.60			
M4313T	G150045.60			
M4314T	G150027.60	C52		

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M4314T-12	G150027.60			
M4316T	G150031.60	C52		
M4316T-12	G150031.60			
M4400T	G150087.60	C52		
M4400T-12	G150087.60			
M4402T-4	G150160.60			
M4403T	G150098.60			
M4404T	G150099.60			
M4406T-4	G151371.60			
M4407T-4	G150352.60			
M4408T-4	151516.60	F25		
M4409T	G151367.60			
M4410T-4	G151369.60			
M4411T-4	G151370.60			
M4412T-4	G151368.60			
M44156T-4	171315.60	C15	LM16231	51
M44206T-4	171316.60	C15	LM60072	51
M44304T-4	151529.60			
M44304T-4	G151529.60		LM17953	52
M44354T	G151530.60		LM13720	52
M44354T-4	151530.60			
M7002A	111932.00	E01		101
M7003A	111940.00	E01 F05		101
M7005A	111934.00	E01		101
M7006A	111929.00	E01		101
M7007A	111938.00	F05		101
M7009A	111937.00			101
M7010A	111923.00			101
M7013	111942.00			101
M7014	111922.00	F05		101
M7014T	111922.00	F05		101
M7018T	121914.00			101
M7018T	G120489.00			
M7019	G120490.00	B22		
M7023	G120391.00	B22		
M7026	G120387.00	B22		
M7027	G158362.00	B23		
M7030	G158366.00	B23		
M7034T	121915.00			101
M7034T	G120490.00			
M7037T	G120391.00			
M7044T	G158366.00	C02		
M7045T	G158158.00	C02		
M7047T	G158157.00	C02		
M7053T	G158000.00			
M7054T	G158001.00			
M7056T	G158010.00			
M7058T	G825047.00			
M7059T	G825039.00			
M7060T	G825041.00			
M7062T	G825043.00			
M7063T	G825046.00			
M7064T	G825045.00			
M7066T	G825002.00			
M7067T	G825042.00			
M7068T	G825005.00			
M7071T	121916.00			101
M7071T	G120491.00			
M7072T	G158319.00	C02		
M7074T	G158159.00	C02		
M7075T	G120387.00			
M7081T	G825044.00			
M7083T	G825040.00			
M7090T	G825008.00			
M7142T	G158362.00			
M7144T	G158366.00			
M7147T	G158157.00			
M7170T	G158140.00			
M7174T	G158159.00			
M74124T-4	G825011.00			
M74154T-4	G825014.00			
M74204T-4	G825017.00	F19		

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M74254T-4	825020.99	F25		
MM2333	193131.60			
MM2334	193141.60			
MM3454	192010.00	C39		266
MM3457	192020.00	C39		266
MM3458	192021.00	C39		266
MM3460	192030.00	C39		266
MM3461	192031.00	C39		266
MM3463	192040.00	C39		266
MM3542	192041.00	C39		266
MM3545	192050.00	C39		266
MM3546	192051.00	C39		266
MM3550	192060.00	C39		266
MM3554	192061.00			
MM3555	192070.00			
MM3558	192071.00			
MM3559	192080.00			
MM3611	193081.60	C02		
MM3613	193100.60	C02		
MM3615	193101.60	C02		
MM3709	193110.60	C02		
MM3710	193111.60	C02		
MM3711	193120.60	C02		
MM3714	193121.60	C02		
MM4103	193151.60			
MM4104	193161.60			
MM4110	193171.60			
MM5100	192010.00			266
MM5100-5	192088.00			269
MM5150	192011.00			266
MM5150-5	192089.00			269
MM5200	192020.00			266
MM5200-5	192097.00			269
MM5250	192021.00			266
MM5250-5	192098.00			269
MM5300	192030.00			266
MM5300-5	192106.00			269
MM5350	192031.00			266
MM5350-5	192107.00			269
MM5400	192040.00			266
MM5400-5	192115.00			269
MM5450	192041.00			266
MM5450-5	192116.00			269
MM5500	192050.00			266
MM5500-5	192124.00			269
MM5550	192051.00			266
MM5550-5	192125.00			269
MM5600	192060.00			266
MM5600-5	192133.00			269
MM5650	192061.00			
MM5650	192202.00			266
MM5650-5	192134.00			
MM5650-5	192230.00			269
MM5650D	192203.00			267
MM5700	192070.00			
MM5700-5	192142.00			
MM5750	192071.00			
MM5750-5	192143.00			
MVM2613D	193336.60			267
MVM3457D	192024.00			267
MVM3458C	192028.00			268
MVM3458D	192025.00			267
MVM3460C	192037.00			268
MVM3460D	192034.00			267
MVM3461C	192038.00			268
MVM3461D	192035.00			267
MVM3463C	192047.00			268
MVM3463D	192044.00			267
MVM3542C	192048.00			268
MVM3542D	192045.00			267
MVM3545C	192057.00			268
MVM3545D	192054.00			267

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MVM3546C	192058.00			268
MVM3546D	192055.00			267
MVM3550C	192067.00			268
MVM3550D	192064.00			267
MVM3554C	192068.00			
MVM3554D	192065.00			
MVM3555C	192077.00			
MVM3555D	192074.00			
MVM3558C	192078.00			
MVM3558D	192075.00			
MVM3559C	192087.00			
MVM3559C	192214.00			268
MVM3559D	192084.00			
MVM3559D	192211.00			267
MVM3611C	193088.60			
MVM3611C	193359.60			268
MVM3611D	193334.60			267
MVM3613C	193107.60			
MVM3613D	193104.60	C02		
MVM3615D	193105.60	C02		
MVM3615D	193337.60			267
MVM3709D	193342.60			267
MVM3710D	193115.60	C02		
MVM3710D	193343.60			267
MVM3711D	193124.60	C02		
MVM3711D	193345.60			267
MVM3714D	193125.60	C02		
MVM5100C	192017.00			268
MVM5100C-5	192088.00	K10		269
MVM5100D	192014.00			267
MVM5100D-5	192088.00	K01		269
MVM5150C	192018.00			268
MVM5150C-5	192089.00	K10		269
MVM5150D	192015.00			267
MVM5150D-5	192089.00	K01		269
MVM5200C	192027.00			268
MVM5200C-5	192097.00	K10		269
MVM5200D	192024.00			267
MVM5200D-5	192097.00	K01		269
MVM5250C	192028.00			268
MVM5250C-5	192098.00	K11		269
MVM5250D	192025.00			267
MVM5250D-5	192098.00	K02		269
MVM5300C	192037.00			268
MVM5300C-5	192106.00	K11		269
MVM5300D	192034.00			267
MVM5300D-5	192106.00	K02		269
MVM5350C	192038.00			268
MVM5350C-5	192107.00	K11		269
MVM5350D	192035.00			267
MVM5350D-5	192107.00	K02		269
MVM5400C	192047.00			268
MVM5400C-5	192115.00	K11		269
MVM5400D	192044.00			267
MVM5400D-5	192115.00	K02		269
MVM5450C	192048.00			268
MVM5450C-5	192116.00	K12		269
MVM5450D	192045.00			267
MVM5450D-5	192116.00	K03		269
MVM5500C	192057.00			268
MVM5500C-5	192124.00	K12		269
MVM5500D	192054.00			267
MVM5500D-5	192124.00	K03		269
MVM5550C	192058.00			268
MVM5550C-5	192125.00	K12		269
MVM5550D	192055.00			267
MVM5550D-5	192125.00	K03		269
MVM5600C	192067.00			268
MVM5600C-5	192133.00	K12		269
MVM5600D	192064.00			267
MVM5600D-5	192133.00	K03		269

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MVM5650C	192068.00			
MVM5650C	192204.00			268
MVM5650C-5	192134.00	K13		
MVM5650D	192065.00			
MVM5650D-5	192134.00	K04		
MVM5700C	192077.00			
MVM5700C	192213.00			268
MVM5700C-5	192142.00	K13		
MVM5700D	192074.00			
MVM5700D	192210.00			267
MVM5700D-5	192142.00	K04		
MVM570C	192207.00			268
MVM5750C	192078.00			
MVM5750C-5	192143.00	K13		
MVM5750D	192075.00			
MVM5750D	192206.00			267
MVM5750D-5	192143.00	K04		
NM3454	100123.00	C25		55
NM3534	102920.00	C25		55
NM3538	102918.00	C25		55
NM3542	114309.00			55
NM3546T	121098.00			55
NM3554T	121099.00	E02		55
PCL1313M	114214.00			23
PCL1317M	114215.00			23
PCL1319M	113700.00	F29		23
PCL1322M	113281.00	F29		23
PCL1326M	116707.00	F29		23
PCL1327M	116709.00	F29		23
PCL3513M	115024.00			26
PCL3514M	116703.00	F29		26
PCL3515M	114995.00	F29		27
PCL3519M	115048.00	C11 F29		27
PL1313M	113631.00			8
PL1317M	113632.00			8
PL1319M	113266.00			8
PL1322M	116704.00	F05		8
PL1326M	116706.00	F05		9
PL1327M	116708.00			9
PL3513M	110109.00		LM24532	16
PL3514M	113333.00	F05	LM24515	16
PL3515M	110402.00	F05	LM24534	17
PL3519M	116705.00	F05	LM24748	17
PSC3413A	100699.00			174
PSC3416A	100700.00			174
PSC3524A	100701.00			174
RHM3104	100210.00			40
RHM3108	100145.00			40
RHM3108A	100796.00			40
RHM3111	101773.00			40
RHM3111A	101641.00			40
RHM3112	100146.00	F05		40
RHM3112A	100908.00			40
RHM3115	114192.00			40
RHM3115A	113895.00	F03		40
RHM3116	110052.00			40
RHM3116A	111311.00			40
RHM3120A	113896.00			40
RHM3154	110433.00			40
RHM3154A	113846.00			40
RHM3155A	113897.00			40
RHM3157	114197.00			40
RHM3157A	113847.00			40
RHM3158	113926.00			40
RHM3158TA	113926.00			40
RHM3161TA	116593.00			40
RHM3162TA	121665.00			
RL1205A	101431.00	C11		13
RL1208A	101432.00	C11		13
RL130	100012.00	F05		13
RL1301A	100110.00			13

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RL1301A277	102964.00					13
RL1304A	100011.00					13
RL1304A277	102965.00					13
RL1306A	100603.00	F05				13
RL1307A277	102966.00					13
RL1309A	110478.00					13
RL1310A	100065.00					13
RL1310A277	116599.00					13
RL1313A	110479.00					13
RL1317A	113633.00					13
RL1319A	110579.00					13
RL1319A277	116600.00					13
RL132	100065.00	F05				13
RL1323A	100064.00					13
RL144A	100109.00					13
RL224A	101431.00	C11				13
RL245A	100010.00	C25				13
RL324A	101432.00	C11				13
RL345A	100011.00					13
RL425A	100603.00					13
RL445A	100012.00	F05				13
RL525A	110478.00	F05				13
RL545A	110007.00	F05				13
RL625A	110479.00	F05				13
RL645A	110579.00	F05				13
RL725A	113633.00	F05				13
RM3003	100210.00	F03	H03			40
RM3006	101639.00	F03	P01			40
RM3007	100210.00	F03				40
RM3009	101640.00	F03	P01			40
RM3010	100145.00	F03				40
RM3104	100210.00					40
RM3108	100145.00					40
RM3108A	100796.00					40
RM3111	101773.00					40
RM3111A	101641.00					40
RM3112	100146.00					40
RM3112A	100908.00					40
RM3115	114192.00					40
RM3115A	113895.00					40
RM3116	110052.00					40
RM3116A	111311.00					40
RM3120	114194.00					40
RM3120A	113896.00					40
RM3154	110433.00					40
RM3154A	113846.00					40
RM3155	114196.00					40
RM3155A	113897.00					40
RM3157	114197.00					40
RM3157A	113847.00					40
RM3158	113926.00	P01				40
RM3158TA	113926.00					40
RM3161TA	116593.00					40
RSP1441A	191868.00					194
RSP1442A	191868.00					194
RSP2441A	191869.00					194
RSP2442A	191869.00					194
RSP3441A	191870.00					194
RSP3442A	191870.00					194
UCL1015	140640.00				LM24782	177
UCL570	131847.00					177
UCL710	131848.00				LM24780	177
UCM1014	140641.00				LM24785	177
UCM575	131849.00				LM24783	177
UCM713	131850.00				LM24784	177
UCME1014	140641.00				LM24785	177
UCME570	131849.00				LM24783	177
V2I325A	MK1052.00					
V2L425A	MK1072.00					
V2L525A	MK1102.00					
VBM3108	114156.00					257
VBM3112	114157.00					257
VBM3116	114166.00					257
VBM3116T	121678.00					257
VBM3154	116766.00					257
VBM3154T	120372.00					257
VBM3157T	120373.00					257
VBM3211T	131624.00					257
VBM3218T	131625.00					257
VBM3248T	131625.00					257
VBM3538	114159.00	E02				259
VBM3542	114160.00	E02				259
VBM3542-5	110177.00	K91				213
VBM3546	114161.00					259
VBM3546T	121556.00					259
VBM3546T-5	120176.00	K91				
VBM3554	116768.00					259
VBM3554T	120331.00					259
VBM3558T	120332.00					259
VBM3611T	131610.00					259
VBM3615T	131611.00					259
VBM3710T	131612.00					259
VBM3714T	140637.00					259
VEM3542	114213.00					65
VEM3545	116748.00					66
VEM3546	114638.00					66
VEM3546T	121556.00	C49				259
VEM3550	116750.00					66
VEM3554	116743.00					66
VEM3554T	121066.00					66
VEM3555	116744.00					66
VEM3555	116751.00					66
VEM3556	116749.00					66
VEM3558	116744.00					66
VEM3558T	121065.00					66
VEM3581	114638.00	C01				66
VEM3581	120024.00	C01				
VEM3581T	121067.00	C01				66
VEM3584T	121066.00	C01				66
VEM3587T	121065.00	C01				66
VEM3610T	G131513.00					67
VEM3615T	131501.00				LM16825	67
VEM3661T	131503.00	C01			LM16824	67
VEM3665T	131501.00	C01			LM16825	67
VEM3710T	140486.00				LM16826	67
VEM3714T	140484.00					67
VEM3770T	140486.00	C01			LM16826	67
VEM3774T	140484.00	C01				67
VFDL35010M	M009494.00					182
VFDL3501M	113290.00					173
VFDL3501M	M002290.00					182
VFDL3504M	110492.00					173
VFDL3504M	M009492.00					182
VFDL3507M	110493.00					173
VFDL3507M	M009493.00					182
VFDL3510M	110494.00					173
VFDL3514M	110495.00	C39				173
VFDL3516TM	120855.00					173
VFDL3610TM	131603.00	C39				173
VFDL3612TM	131602.00	C39				173
VL1301	100024.00	K89			LM24571	21
VL1303	100356.00	K89			LM24689	21
VL1303A	100054.00	K89				21
VL1303A	100204.00					113
VL1303A	101524.00					
VL1304	100025.00	K89			LM24555	21
VL1305	110381.00	K82			LM24544	21
VL1306	100357.00	K89			LM24690	21
VL1306A	100055.00	K89				21
VL1306A	100205.00					113
VL1306A	101525.00					
VL1307	100026.00	K89				21

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VL1308	110382.00	K82	LM24691	21
VL1309	110384.00	K82	LM24526	21
VL1309A	100722.00			113
VL1309A	101526.00			
VL1309A	113337.00	K82		21
VL1310	110220.00	K82	LM24586	21
VL1313	110387.00	K82	LM24523	22
VL1313A	110288.00			113
VL1313A	113336.00	K82		22
VL1313A	113686.00			
VL1317	110390.00	K82	LM24527	22
VL1317A	110289.00			113
VL1317A	113335.00	K82		22
VL1318	110220.00	K82	LM24586	21
VL1318A	110036.00	P02 K82		21
VL1319	110388.00	K82	LM24587	22
VL1322T	120073.00	K82	LM24694	22
VL1323A	110280.00			113
VL1323A	113334.00	K82		22
VL1408T	131539.00	K84	LM24696	22
VL1408T	131544.00	K84	LM24695	22
VL225A	100204.00	H01		113
VL325A	100204.00			113
VL3501	101766.00	F02		24
VL3501-50	113921.00	C25		226
VL3503	102864.00		LM24736	24
VL3503-50	113912.00			226
VL3504	102862.00	E02	LM24599	24
VL3504-50	113922.00			226
VL3505	110411.00		LM24737	24
VL3506	110413.00		LM24738	24
VL3506-50	113913.00			226
VL3506A	110412.00	P02	LM24745	24
VL3507	110057.00		LM24613	24
VL3507-50	113923.00			226
VL3508	110414.00		LM24739	24
VL3509	110416.00		LM24740	25
VL3509-50	113914.00			226
VL3509A	110415.00	P02		25
VL3510	110058.00		LM24614	25
VL3510-50	113924.00			226
VL3510T	121001.00		LM24741	25
VL3513	110419.00		LM24535	25
VL3513-50	113915.00	C25		226
VL3513T	120101.00			25
VL3514	110420.00		LM24622	25
VL3514-50	113925.00			226
VL3514T	120017.00			25
VL3515	110422.00		LM24530	25
VL3515-50	120990.00	F07		226
VL3515T	120102.00			25
VL3605	120060.00	F07		25
VL3605T	131516.00			25
VL3606T	132083.00	B31		23
VL3609T	131545.00			25
VL4005A	111095.00			100
VL425A	100205.00			113
VL5001A	111075.00	E01		100
VL5003A	111098.00			100
VL5004A	111085.00			100
VL5006A	111097.00			100
VL5007A	111086.00			100
VL5009A	111096.00			100
VL5023A	110852.00			100
VL5030	114424.00			100
VL525A	100722.00			113
VL625A	110288.00			113
VL725A	110289.00			113
VL825A	110280.00			113
VM2333T	151350.60			
VM2333T	G151350.60		LM16828	68

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VM2334T	151352.60			
VM2334T	G151352.60		LM16829	68
VM2394T	G151349.60			68
VM2513T	151682.60	C02		
VM2513T	G151682.60			60
VM2514T	151683.60	C02		
VM2514T	G151683.60			60
VM2515T	151684.60	C02		
VM2515T	G151684.60			60
VM2516T	151685.60	C02		
VM2516T	G151685.60			60
VM2531T	151686.60	C02		
VM2531T	G151686.60			60
VM2534T	151687.60	C02		
VM2534T	G151687.60			60
VM3104	100048.00	F02	LM24910	59
VM3107	100056.00	F02	LM24911	59
VM3108	100049.00		LM24912	59
VM3109	110434.00		LM24913	59
VM3111	100378.00	F02	LM24914	59
VM3112	100050.00	F02	LM24915	59
VM3115	110111.00		LM24916	59
VM3116	110043.00	C25	LM24917	59
VM3116T	120172.00	C25		
VM3116T	G120172.00		LM32790	59
VM3120	110437.00		LM24919	59
VM3120T	121668.00			
VM3153	116728.00			59
VM3153T	120063.00			59
VM3154	110044.00		LM24160	59
VM3154T	120081.00			
VM3154T	G120081.00		LM32791	59
VM3155	113894.00		LM24921	60
VM3155T	121670.00			
VM3155T	G121670.00			60
VM3156T	120082.00			
VM3156T	G120082.00			59
VM3157	115553.00		LM24131	60
VM3157T	120035.00			
VM3157T	G120035.00		LM32792	
VM3158	114420.00		LM24923	60
VM3158T	121187.00			
VM3158T	G121187.00		LM32793	60
VM3159T	121669.00			
VM3159T	G121669.00			
VM3161T	121405.00			
VM3161T	G131489.00		LM32794	60
VM3211	121405.00	F07		
VM3211T	131489.00			
VM3211T	131518.00			60
VM3212T	131779.00			
VM3212T	G131779.00			60
VM3215T	132059.00			
VM3215T	G132059.00			
VM3218	131779.00	F10		
VM3218T	131490.00			
VM3218T	G131490.00		LM24234	60
VM3219T	131780.00			
VM3219T	G131780.00			60
VM3305T	140765.00			
VM3305T	G140765.00			60
VM3311T	131527.00			
VM3311T	G140580.00		LM32800	60
VM3312T	140688.00			
VM3313T	140108.00			
VM3314T	140689.00			
VM3314T	G140689.00			60
VM331T	G140108.00		LM32801	60
VM3534	101769.00	F02	LM24093	65
VM3534-5	110176.00	E01 H01		213
VM3534-50	102689.00			228
VM3535	113311.00		LM24858	65

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VM3537	114176.00		LM24138	65
VM3537-50	102691.00			228
VM3538	102860.00		LM24083	65
VM3538-5	110176.00	E01		213
VM3538-50	102694.00			228
VM3539	110163.00		LM24128	65
VM3541	110448.00		LM24151	65
VM3541-50	114893.00			228
VM3542	110047.00		LM24077	65
VM3542-5	110177.00			213
VM3542-50	114894.00			228
VM3543	112378.00		LM24153	65
VM3543T	120097.00			65
VM3545	110112.00		LM24139	66
VM3545-50	114895.00			228
VM3546	110048.00		LM24080	66
VM3546-5	110204.00			213
VM3546T	120024.00			
VM3546T	G120024.00	C15	LM24080	66
VM3546T-5	120176.00			
VM3546T-5	G120176.00			213
VM3546T-50	121272.00			228
VM3550	110192.00		LM24096	66
VM3550T	120105.00			
VM3550T	G120105.00	C15	LM32810	66
VM3550T-50	121274.00			228
VM3554	110125.00		LM24112	66
VM3554-5	111444.00			213
VM3554T	120037.00			
VM3554T	G120037.00	C15	LM24149	66
VM3554T-5	120177.00			
VM3554T-5	G120177.00			213
VM3554T-50	121275.00			228
VM3555	111273.00		LM24132	66
VM3555-5	111611.00			213
VM3555T	120061.00			
VM3555T	G120061.00		LM32678	66
VM3555T-50	121276.00			228
VM3556	112379.00		LM24130	66
VM3556T	120098.00			
VM3556T	G120098.00	C15	LM32846	66
VM3557	113634.00			66
VM3557T	120161.00			
VM3558	110451.00		LM24084	66
VM3558T	120038.00			
VM3558T	G120038.00		LM24125	66
VM3558T-5	120178.00			
VM3558T-5	G120178.00			213
VM3558T-50	121277.00			228
VM3559	111630.00		LM24975	67
VM3559T	120993.00			
VM3559T	G120993.00		LM32848	67
VM3561	113890.00	C11		67
VM3603	120024.00	F07		
VM3606	120037.00	F07		
VM3607	120161.00	F07		
VM3609	120038.00	F07		
VM3610	120993.00	F07		
VM3610T	131513.00			
VM3611	131491.00	F10		
VM3611T	131491.00			
VM3611T	G131491.00		LM16298	67
VM3611T-5	131498.00			
VM3611T-5	G131498.00			213
VM3613	131514.00	F10		
VM3613T	131514.00			
VM3613T	G131514.00			67
VM3614	120038.00	F07		
VM3614T	131525.00			
VM3614T	G131525.00			66
VM3615	131492.00	F10		
VM3615T	131492.00			
VM3615T	G131492.00		LM16299	67
VM3615T-5	131499.00			
VM3615T-5	G131499.00			213
VM3616T	131510.00			
VM3616T	G131510.00			67
VM3703	131491.00	B23		
VM3704	131642.00	F24		
VM3704T	131642.00			
VM3704T	G131642.00		LM32850	
VM3707	131492.00	B23		
VM3708T	140535.00			
VM3708T	G140535.00		LM32852	67
VM3709T	131912.00			
VM3709T	G131912.00			67
VM3710T	131528.00			
VM3710T	G141113.00		LM16300	67
VM3711T	140690.00			
VM3711T	G140690.00			67
VM3713T	140691.00			
VM3713T	G140691.00		LM32832	68
VM3714T	140109.00			
VM3714T	G140109.00	C15	LM32855	67
VM3774T	G151348.60		LM16301	67
VM37770T	G151346.60			67
VM4103T	151507.60			
VM4103T	G151507.60			68
VM4104T	151508.60			
VM4104T	G151508.60			68
VM4106T	151351.60			
VM4106T	G151351.60			68
VM7002A	111931.00	E01		101
VM7005A	111933.00	E01		101
VM7006A	111930.00	E01		101
VM7009A	111936.00			101
VM7010A	111935.00			101
VM7013	111943.00	P01		101
VM7014	111926.00	P01		101
VM7018T	111939.00	P01		101
VM7034	111941.00	P01		101
VM7037T	121178.00			
VM7037T	G121178.00	P01		101
VM7042T	158003.00	C02		
VM7044T	158005.00	C02		
VM7044T	G825128.00	P01		101
VM7071T	113971.00	P01		101
VM7075T	114419.00	P01		101
VNM3537	110144.00			65
VNM3538	102861.00	F02		65
VNM3542	110047.00	C25 E02	LM24077	65
VP3311D	M1130149.00	F21		274
VP3316D	098014.00	E02 K18		275
VP3326D	098015.00	E02 K18		275
VP3411-14	M1130139.00	F21		275
VP3416-14	098014.00	K22		275
VP3426-14	098015.00	K22		275
VP3428D	098016.00	K18		275
VP3436-14	108369.00	K23		275
VP3436D	108369.00	K19		275
VP3439D	098017.00	K19		275
VP3455-14	108370.00	K23		275
VP3455D	108370.00	K19		275
VP3458D	108372.00	K19		275
VP3468D	108373.00	K20		275
VP3575-14	118007.00	K24		275
VP3575D	118007.00	K20		275
VP3585-14	118008.00	K24		275
VP3585D	118008.00	K20		275
VP3588D	118009.00	K20		275
VP3603D	118014.00	K21		275
VP3605D	118010.00	K21		275
VP7424-14	M1130139.00	E02		275
VP7424D	M1130149.00	E02		274

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VSSFWDM3546	117287.00	F29		161
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VSSSWDM3538	103413.00			168
VSSSWDM3538	117127.00			168
VSSSWDM3541	117128.00			168
VSSSWDM3542	103414.00			168
VSSSWDM3542	117129.00			168
VSSSWDM3545	117130.00			168
VSSSWDM3546	117131.00			168
VSSSWDM3550T	121750.00			168
VSSSWDM3554	117297.00			168
VSSSWDM3554T	121751.00			168
VSSSWDM3555T	121742.00			168
VSSSWDM3558	117298.00			168
VSSSWDM3558T	121743.00			168
VSSWDM3537	117279.00			161
VSSWDM3538	116166.00			
VSSWDM3538	117270.00			161
VSSWDM3541	117280.00	F02		161
VSSWDM3542	116168.00			
VSSWDM3542	117272.00			161
VSSWDM3545	116318.00			
VSSWDM3545	117281.00			161
VSSWDM3546	116170.00			
VSSWDM3548	117274.00			161
VSSWDM3554T	G121525.00			161
VSSWDM3558T	G121527.00			161
VSSWDM3559T	121562.00			
VSSWDM3559T	G121562.00			161
VSSWDM355T	G121561.00			161
VSSWDM3611T	131923.00			
VSSWDM3611T	G131923.00			161
VSSWDM3613T	131949.00			
VSSWDM3613T	G131949.00			161
VSSWDM3615T	131924.00			
VSSWDM3615T	G131924.00			161
VSWDM3536	114437.00			153
VSWDM3538	114394.00			153
VSWDM3538	191205.00			157
VSWDM3542	114395.00			153
VSWDM3542	191208.00			157
VSWDM3546	191290.00			157
VSWDM3546T	121109.00			153
VSWDM3546T	191214.00			
VSWDM3554	114581.00			153
VSWDM3554	191219.00			157
VSWDM3554T	191220.00			
VSWDM3554T	G121350.00	E02		153
VSWDM3558T	191226.00			
VSWDM3558T	G121351.00	E02		153
VWDL3504	114313.00	C55		133
VWDL3507	114315.00	C55		133
VWDL3510	114317.00	C55		133
VWDL3514	114319.00	C55		133
VWDM2714T	G140465.00			134
VWDM3538	113473.00			134
VWDM3542	113019.00			134
VWDM3546	113020.00			134
VWDM3546T	120760.00			134
VWDM3554	113021.00			134
VWDM3554T	120761.00			134
VWDM3558	114616.00			134
VWDM3558T	120762.00			
VWDM3559	115976.00			134
VWDM3611T	131596.00			
VWDM3611T	G131596.00			134
VWDM3615T	131597.00			
VWDM3615T	G131597.00			134
VWDM3710T	140467.00			
VWDM3714T	140465.00			
WDM3538	112427.00	E02		135
WDM3542	112428.00	E02		135
WDM3546T	G120585.00	E02		
WDM3554T	G120858.00	E02		
WDM3558T	G120586.00			
WDM3558TP	G121191.00			
WDM3561TP	115751.00			135
WDM3611T	G130662.00			
WDM3615T	G130663.00			
WDM3710T	G140280.00			
WDM3710T	G140467.00			134
WDM3714T	G140281.00			
WWL3515T	120997.00	C25		236
WWL3606	120728.00			236
YPC144A	191872.00			196
YPC164A	191891.00			196
YPC244A	191871.00			196
YPC245A	191910.00			196
YPC264A	191892.00			196
YPC265A	191911.00			196
YPC344A	191873.00			196
YPC345A	191875.00			196
YPC364A	191893.00			196
YPC365A	191912.00			196

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9035	110232.00			11
9035	113632.00			8
9036	110222.00			11
9038	111275.00			11
9040	116523.00			11
1314A	131631.00			27
1314A	131994.00			173
1315A	131995.00			173
132M	193313.60			266
143A	175034.00			374
145A	175035.00			374
1814T	175091.00			374
182A	175036.00			374
184A	175037.00			374
2118T	175092.00			374
213A	175038.00			374
215A	175039.00			374
254B2	175040.00			374
256B2	175041.00			374
25U21T	175093.00			374
284B2	175042.00			374
286B2	175043.00			374
28U25T	175094.00			374
324B2	175044.00			374
326B2	175045.00			374
32U28T	175095.00			374
364B2	175046.00			374
365B2	175047.00			374
36U32T	175097.00			374
385B	132080.00		LM16745	71
404B2	175048.00			374
405B2	175049.00			374
40U36T	175098.00			374
444B2	175088.00			374
445B2	175089.00			374
447B2	175090.00			374
44U40T	175127.00			374
A204	175844.00			365
A206	175844.00			365
A209	175191.60			367
A214	175062.60			367
A216	175060.60			367
A217	175063.60			367
A219	175060.60			367
A220	175063.60			367
A223	175199.60			367
A226	175199.60			367
A229	175664.60			367
A232	175664.60			367
A239	175191.60			367
A284	175191.60			367
A287	175058.60			367
A302	175140.00			
A303	175141.00			
A307	175660.00			
A395	175063.60			367
A396	175063.60			367
A435	175075.00			365
A436	175181.00			365
A437	175076.00			365
A438	175077.00			365
A569	175850.00			270
A570	175852.00			270
A571	175854.00			270
A572	175856.00			270
A574	175884.60			
A575	175886.60			
A576	175888.60			
A577	175890.60			270
A601	175191.60			367
A603	175077.00			365
A606	175845.00			365
A608	175067.60			367

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
A609	175844.00			365
A610	175058.60			367
A611	175061.60			367
A612	175067.60			367
A613	175059.60			367
A614	175062.60			367
A615	175061.60			367
A620	175664.60			367
A621	175664.60			367
A644	175691.00			365
A645	175691.00			365
A647	175192.60			364
A648	175192.60			364
A649	175192.60			364
A650	175118.60			364
A651	175119.60			364
A655	175077.00			365
A691	175676.00			371
A692	175675.00			371
A694	175677.00			371
A695	175678.00			371
A763	E175927.00			79
A764	E175921.00			79
A772	E175928.00			79
A775	E175922.00			79
A776	E175930.00			79
A778	E175924.00			79
A779	E175929.00			79
A780	E175931.00			79
A781	E175923.00			79
A782	E175925.00			79
B193	113926.00			40
B206	M900195.00			195
B207	M900196.00			195
B208	M900197.00			195
B210	100010.00			13
B310	113027.00			13
B311	110007.00			13
B314	100014.00			13
B315	100110.00	F01		13
B316	100015.00			13
B317	100011.00			13
B318	100016.00			13
B319	100012.00			13
B330	110579.00			13
B336	110579.00	P01		13
B352	113608.00			13
B388	M900277.00			195
B600	M900599.00			195
C101	121668.00			
C102	121670.00			
C102A	G121670.00			60
C103	121187.00			
C103	G121187.00		LM32793	60
C104	131779.00			
C104B	G131779.00			60
C105	131780.00			
C105B	G131780.00			60
C106	140688.00			
C106A	G140688.00			60
C111	120063.00			59
C120	120172.00			
C1204	G131514.00			67
C121	120081.00			
C122	120035.00			
C1224	G131492.00		LM16299	67
C122A	G120035.00		LM32792	
C123	131489.00			
C123B	G131489.00		LM32794	60
C124	131490.00			
C124B	G131490.00		LM24234	60
C125	140580.00			
E221	170033.60		LM15673	47

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C125A	G140580.00				LM32800	60
C126	140108.00					
C1263	110002.00				LM24542	7
C1269	114215.00					23
C126A	G140108.00				LM32801	60
C1270	116707.00					23
C1273	120374.00					176
C1274	120375.00					176
C1275	120376.00					176
C1298	100005.00	F02				7
C1333	110009.00				LM24546	15
C1405	102930.00	F02			LM24600	26
C1419	102870.00	F02			LM24736	24
C1420	102903.00	F02			LM24725	26
C1422	110411.00				LM24737	24
C1424	110419.00				LM24535	25
C1425	110905.00				LM24615	26
C145	100000.00	F02			LM24457	7
C1460	120003.00					8
C1467	111332.00					176
C1468	111333.00					176
C1474	100052.00	F02				7
C1475	100053.00	F02				7
C1477	113631.00					8
C148	100115.00					7
C1480	110167.00				LM24582	8
C150	120082.00					
C150A	G120082.00					59
C1515	102862.00				LM24599	24
C152	132059.00					
C152A	G132059.00					
C153	140765.00					
C154	100116.00					7
E2103	171642.60				LM15854	44
C159	100001.00	F02			LM24549	7
C162	121669.00					
C162A	G121669.00					
C163	121405.00					
C164	100338.00					7
C167	100007.00	F02			LM24551	7
E2106	171648.60	C02			LM15857	45
C171	120073.00				LM24694	22
E218	170158.60	E02			LM15878	46
C175	100008.00	F02			LM24502	7
C176	100003.00	F02			LM24503	7
C178	110003.00	F05			LM24543	7
C223B	G131491.00				LM16298	67
C181	110097.00					8
C1814	116188.00					100
C182	110000.00				LM24581	8
E819	170228.60				LM20085	211
C186	120001.00	F06				8
C187	110363.00				LM24624	8
C188	120044.00				LM24675	8
C191	120042.00				LM24687	8
C201	120105.00					
C201	G120037.00				LM24149	66
C201A	G120105.00				LM32810	66
C202	120061.00					
C202A	G120061.00				LM32678	66
C203	131513.00					
C203B	G131513.00					67
C204	131514.00					
C205	131912.00					
C205	151345.60	C02				
C206	140690.00					
C206A	G140690.00					67
C220	120024.00					
C220A	G120024.00				LM24080	66
C221	120037.00					
C222	120038.00					
C223	131491.00					

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E2107	171647.60	C02			LM24127	45
C224	131492.00					
C225	151346.60	C02				
C225A	G141113.00				LM16300	67
C226	140109.00					
C226A	G140109.00				LM32855	67
C227	151350.60	C02				
C230	120176.00					
C230A	G120176.00					213
C231	120177.00					
C231A	G120177.00					213
C232	120178.00					
C236	120993.00					
C179	110360.00				LM24525	8
C237	140691.00					
C237	151349.60	C02				
C237A	G140691.00				LM32832	68
C238	131510.00					
C238B	G131510.00					67
C242	102014.00				LM24606	15
C250	120098.00					
C250A	G120098.00				LM32846	66
C251A	G132249.00					66
C252	131525.00					
C253	131642.00					
C254	140535.00					
C1252	110001.00				LM24540	7
C260	121035.00					
C261	102906.00	F02			LM24627	15
C262	102908.00	F02			LM24603	15
C264	110011.00				LM24496	15
C268	110013.00				LM24607	16
C269	110017.00				LM24608	16
C275	110209.00				LM24610	16
C276	110018.00				LM24611	16
C168	100002.00	F02			LM24552	7
C281	121681.00					26
C282	113931.00				LM24729	27
C282	121008.00				LM24730	27
C284	121060.00					27
C158	100006.00	F02			LM24570	7
C295	120025.00				LM24709	16
C301	111939.00	C01	P01			101
C302A	113971.00					101
C322	121178.00	C01	P01			
C322A	G121178.00					101
C323A	G825116.00					101
C324A	G825128.00					101
C330	100204.00	F02				113
C330	101524.00					
C331	100207.00	F02				113
C331	101527.00					
C332	100205.00	F02				113
C332	101525.00					
C333	100208.00	F02				113
C333	101528.00					
C334	100722.00	F02				113
C334	101526.00					
C335	100723.00	F02				113
C335	101529.00					
C336	110288.00					113
C336	113686.00					
C337	110292.00					113
C337	113687.00					
C338	110289.00					113
C339	110293.00					113
C340	110280.00					113
C341	110286.00					113
C349	102872.00	F02				24
C352	113639.00					114
C356	101522.00					21
C359	100020.00					21

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C364A	825126.00			102
C365A	825071.00			102
C366A	825073.00			102
C367A	825075.00			102
C375	102907.00	F02	LM24628	26
C376	110908.00		LM24616	26
C380B	132243.00		LM32830	70
C381B	132079.00		LM16741	71
C382B	131504.00		LM16742	71
C384A	140834.00		LM32833	71
C385B	171446.60	C02	LM62019	71
C386B	131502.00		LM16747	71
C388A	171116.60	C02	LM32835	71
C389A	140770.00		LM16750	71
C390A	140521.00		LM32838	71
C392A	140769.00		LM32840	72
C393A	140522.00		LM32841	72
C401	G121051.00			259
C403	G121052.00			259
C405	G131617.00			259
C406	G131618.00			259
C407	G140605.00			259
C408	G140639.00			259
C446	102871.00	F02		24
C465	113955.00			114
C702	113630.00			8
C703	110362.00			8
C704	110110.00			8
C704	110161.00			11
C847	113956.00			114
C878	113641.00			114
CG260	100956.00			15
CG362	101523.00			21
D010	110097.00			8
D010	110160.00			11
D012	110232.00			11
D013	110222.00			11
D017	111275.00			11
D017	116708.00			9
D017	116789.00			11
D018	110161.00			11
D110	101432.00	C12		13
D111	100011.00	C09		13
D113	100012.00	P01		13
D114	110007.00			13
D115	110479.00			13
D116	113633.00			13
D117	100603.00	C09		13
D118	110478.00	C09		13
D312	112135.00	B34	LM24726	26
D313	110180.00	B34	LM24727	26
D314	110909.00	B34	LM24539	26
D315	113931.00	B34	LM24729	27
D391	114142.00	B34	LM24129	69
D392	110915.00	B34	LM24134	69
D393	110181.00	B34	LM24126	69
D394	110917.00	B34	LM24135	70
D394	110918.00		LM24095	70
D395	113927.00	B34	LM24121	70
D396	114615.00	B34	LM24953	71
D400	114165.00			257
D401	111950.00			257
D402	114167.00			257
D403	111951.00			257
D450	110669.00			259
D452	110670.00	E01		259
D452	114154.00			259
D453	114152.00			259
D454	114155.00			259
D456	110679.00			259
E096	G121853.00			121
E097	G131562.00			121

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E100	G121850.00			121
E102	G121851.00			121
E104	G121852.00			121
E105	G121854.00			121
E108	G131563.00			121
E110	G140618.00			121
E111	G141121.00			121
E112	G140619.00			121
E113	G151380.60			121
E114A	G151361.60			121
E150	G131574.00			121
E160	G131576.00			121
E191	G151381.60			121
E1930	131519.00		LM24222	34
E1931	131520.00		LM24202	35
E197	G151362.60			121
E202	171322.60		LM24195	46
E203	140450.00	C01	LM16029	46
E203	170157.60		LM24209	46
E203	G140578.00	C01		
E204	140451.00	C01	LM32809	47
E204	170140.60		LM60036	47
E205	170066.60		LM24208	47
E206	170007.60		LM24207	47
E207	170011.60		LM15792	48
E208	170015.60		LM13964	48
E209	170019.60		LM13699	49
E210	170023.60		LM19753	49
E2100	116129.00			44
E2101	120921.00		LM32796	44
E2101	171640.60	C02	LM24102	44
E2102	171643.60	C02	LM15856	44
C185	110005.00		LM24583	8
E2104	171646.60	C02	LM25267	44
E2105	131980.00		LM15648	44
C174	131544.00		LM24695	22
C276	120824.00	P02	LM24742	25
E2108	131981.00		LM15651	45
E2109	131985.00		LM15646	45
E211	170027.60		LM14809	49
E2112	131987.00		LM15649	46
E212	170031.60		LM14811	50
E213	170087.60		LM19762	50
E214	170369.60		LM60065	50
E215	170371.60		LM13707	51
E216	131985.00	C01	LM15646	45
E217	131987.00		LM15649	46
E218	140756.00	C01	LM32804	46
F105	110089.00		LM24794	171
E219	140755.00	C01	LM32808	47
E219	170159.60		LM15861	47
E220	170062.60		LM15890	47
C284	121825.00		LM29441	27
E222	170035.60		LM13960	48
E223	170037.60		LM60046	48
E224	170039.60		LM19749	49
C236A	G120993.00		LM32848	67
E226	170043.60		LM14808	49
E227	170045.60		LM14810	50
E228	170160.60		LM13939	50
C254A	G140535.00		LM32852	67
E230	171578.60		LM13706	51
E231	131980.00	C01	LM15648	44
E232	131981.00	C01	LM15651	45
E233	171378.60		LM60027	45
E234	171379.60		LM15883	46
E235	170122.60		LM15892	46
E236	170123.60		LM15675	47
E237	170068.60		LM15793	47
E238	170001.60		LM15796	47
E239	170003.60		LM13696	48
E240	170005.60		LM60048	48

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E241	170096.60		LM13918	49
E242	170097.60		LM19754	49
E243	170098.60		LM13938	49
E244	170099.60		LM60060	50
E245	170256.60		LM13702	50
E246	170260.60		LM13705	50
E247	170352.60	C09	LM16230	51
E250	103083.00			23
E259	103084.00			23
E268	103086.00			23
E276	151516.60	C09		
E277	151529.60	C09		
E278	151530.60	C09		
E282	171316.60		LM60072	51
E289	171315.60		LM16231	51
E295	113019.00			134
E296	113020.00			134
E303	171320.60	E02	LM60026	45
E304	131461.00	C01		
E306	150212.60			
E307	150116.60			
E308	150117.60			
E309	150118.60			
E310	150119.60			
E311	150120.60			
E312	150121.60			
E313	150239.60			
E314	150253.60			
E315	150244.60			
E318	150228.60			
E319	150232.60			
E328	170256.60		LM13702	50
E342	171579.60		LM16229	51
E348	121199.00		LM24276	43
E354	G120016.00			
E362	LM22211			100
E364	LM22213			100
E375	LM32856			91
E470	LM16644			91
E472	LM32864			91
E473	LM16650			91
E474	LM32867			91
E476	LM32869			91
E477	LM16656			91
E479	LM16919			91
E482	LM32873			91
E485	LM32876			91
E486	LM32877			91
E488	LM32879			91
E491	LM32882			91
E502	825092.00			103
E503	825093.00			103
E505	825094.00			103
E506	825095.00			103
E546	825096.00			103
E547	825097.00			103
E563	825098.00			103
E564	825099.00			103
E566	825100.00			103
E567	825101.00			103
E569	825102.00			103
E570	825103.00			103
E572	825104.00			103
E573A	825105.00			103
E575	825106.00			103
E576E	825107.00			103
E578	825108.00			103
E582A	825111.00			103
E584	825112.00			103
E585	825113.00			103
E588	825115.00			103
E591	G825072.00			103
E594	825109.00			103
E595	G825071.00			103
E610	LM32685			100
E613	LM32895			100
E625	LM32887			100
E627	LM32893			100
E628	LM32896			100
E629	LM32899			100
E630	LM32902			100
E631	LM32905			100
E643A	LM32888			100
E692	LM14645			100
E702	G120076.00			
E704	G130282.00			
E705	G130284.00			
E706	G140682.00			
E706	G150143.60	C02		
E707	G140683.00			
E707	G150064.60	C02		
E708	G150032.60	C02		
E709	G150034.60	C02		
E710	G150036.60			
E711	G150038.60			
E712	G150040.60			
E713	G150042.60			
E714	G150044.60			
E715	115827.00			33
E716	G120011.00			
E717	G120012.00			
E718	G130000.00			
E719	G130004.00			
E720	G140147.00			
E721	G140490.00			
E722	G150065.60			
E723	G150006.60			
E724	G150009.60			
E725	G150013.60			
E726	G150017.60	C02		
E727	G150021.60	C02		
E728	G120089.00			
E729	G130010.00			
E730	G130012.00			
E731	G140550.00			
E732	G140122.00			
E733	G150145.60	C02		
E734	G150146.60	C02		
E735	G150067.60			
E736	G150000.60			
E737	G150002.60			
E738	G150004.60			
E739	G150025.60			
E740	G150029.60			
E741	G150152.60			
E742	G150155.60			
E743	G151522.60			
E746	G150147.60			
E747	G150148.60			
E748	G150149.60			
E749	G150150.60			
E753	G150151.60			
E754	G150154.60			
E755	G151449.60			
E759	150212.60	C02 E02		
E760	150116.60	C02 E02		
E761	150117.60	C02 E02		
E762	150118.60	E02		
E763	150119.60	E02		
E764	150120.60	E02		
E765	150121.60	E02		
E766	150239.60	E02		
E766	LM14644			100
E771	LM14643			100

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
E772	LM14642			100
E774	LM15723			100
E783	G120103.00			
E784	G120077.00			
E793	G150009.60			
E798	120170.00	E02		
E800	150118.60			
E800	170118.60		LM16407	211
E801	G150023.60			
E802	G150027.60			
E803	G150098.60			
E804	G150031.60			
E805	150244.60			
E805	170244.60		LM18372	212
E806	G150099.60			
E807	G150160.60			
E809	G151367.60			
E815	150120.60			
E815	170120.60		LM14396	211
E816	G150019.60			
E817	150119.60			
E817	170119.60		LM19595	211
E818	G150015.60			
E819	150228.60			
E225	170041.60		LM60052	49
E820	G150003.60			
E820A	170003.60		LM13696	48
E821	150197.60	C02		
E822	140013.00			
E823	G130015.00			
E824	120047.00			
E827	120122.00			
E832	G120086.00			
E834	120170.00			
E836	120032.00			
E838	120021.00			
E838	121940.00		LM24142	209
E843	120171.00			
E843	121941.00		LM25103	209
E843	LM32874			91
E845	120034.00			
E847	120019.00			
E847	121942.00		LM24108	209
E849	G130016.00			
E905	131500.00			
E906	131547.00			
E907	140004.00			
E914	120019.00	E02		
E920	170025.60		LM14813	36
E921	170029.60		LM14815	37
E922	170152.60		LM13943	37
E923	170155.60		LM13946	37
E924	171522.60	C02	LM13817	37
E925	171523.60		LM13820	37
E927	121003.00		LM24871	33
E928	121004.00		LM24875	34
E929	121005.00		LM24169	34
E930	131519.00		LM24222	34
E931	131520.00		LM24202	35
E934	120167.00	E02		
E940	170065.60		LM24190	35
E941	170006.60		LM24199	35
E942	170009.60		LM29576	36
E943	170013.60		LM29577	36
E944	170017.60	C02	LM13811	36
E945	170021.60	C02	LM13813	36
E945	G150021.60			
E950	G120014.00			
E951	G120015.00			
E952	G120016.00			
E953	G130008.00			
E954	G130027.00			
E955	G140578.00			
E956	G140489.00			
E957	G150031.60			
E9574	170031.60		LM14811	50
E959	G150087.60			
E960	G150043.60			
E960A	170043.60		LM14808	49
E961	G150011.60			
E961C	170011.60		LM15792	48
E962	G150023.60			
E962B	170023.60		LM19753	49
E963	G130101.00			
E964	G150037.60			
E964A	170037.60		LM60046	48
E965	G150007.60	C02		
E966	G150005.60			
E966A	170005.60		LM60048	48
E967	G130099.00			
E968	G150001.60			
E9684	170001.60		LM15796	47
E969	G140686.00			
E969	G150159.60	C02		
E970	G140126.00			
E971	G150039.60			
E971A	170039.60		LM19749	49
E972	G130103.00			
E972	G131774.00			
E974	G150033.60	C02		
E975	G150035.60			
E975	G151318.60			
E9754	170035.60		LM13960	48
E976	G150041.60			
E976A	170041.60		LM60052	49
E978	G150068.60			
E978A	170068.60		LM15793	47
E979	G120087.00			
E982	G130015.00			
E983	G150015.60			
E983B	170015.60		LM13964	48
E984	G150019.60			
E984B	170019.60		LM13699	49
E985	G150043.60			
E985B	170027.60		LM14809	49
E986	G151371.60			
E987	G151369.60			
E988	G150096.60			
E988A	170096.60		LM13918	49
E989	G150352.60	C09		
E991	G150045.60			
E991A	170045.60		LM14810	50
E992	G151368.60			
E993	G150097.60			
E993A	170097.60		LM19754	49
E994	G120088.00			
E995	G130016.00			
E996	G150066.60	C02		
E997	150116.60	C02		
E998	150117.60	C02		
E999	G150011.60			
EG282	115877.00			26
F101	113256.00		LM24789	171
F101	M002256.00			182
F102	110086.00		LM24790	171
F102	M009087.00			182
F103	110087.00		LM24791	171
F103	M009087.00			182
F104	110088.00		LM24792	171
F104	M009089.00			182
E229	171580.60		LM60064	50
F105	M009089.00			182
F1203	101437.00		LM24812	180
F1204	113302.00		LM24813	180

Cross Reference

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
F1205	113301.00		LM24814	180
F131	103082.00	F02		26
F131	116485.00			28
F132	103085.00	F02		26
F132	116486.00			28
F133	116487.00			28
F133	116922.00			26
F134	115879.00			26
F134	116488.00			173
F135	116489.00	F04		173
F135	116703.00			26
F201	101435.00		LM24462	180
F202	101436.00		LM24463	180
F203	101437.00		LM24812	180
F204	113302.00		LM24813	180
F205	113301.00		LM24814	180
G044	100027.00	F02	LM24866	33
G047	100028.00		LM24152	33
G061	110425.00		LM24868	33
G063	100029.00		LM24098	33
G065	110199.00	E01	LM24154	209
G067	110027.00		LM24146	33
G076	100115.00	P01		7
G078	101423.00		LM24458	7
G080	101449.00		LM24870	33
G084	100030.00		LM24099	33
G086	110178.00	E02	LM25095	209
G088	110028.00		LM24162	33
G091	100336.00	F02	LM24467	7
G093	100006.00		LM24570	7
G094	100116.00			7
G095	100588.00	F02	LM24550	7
G096	110001.00		LM24540	7
G098	100184.00		LM24465	7
G100	111311.00			40
G101	100908.00			40
G106	101520.00			40
G107	100796.00			40
G109	100145.00			40
G1098	100184.00		LM24465	7
G115	100109.00	C09		13
G120	111311.00	P01		40
G126	113846.00			40
G127	113847.00	P01		40
G128	113847.00			40
G1312	102015.00	F01		15
G1330	102931.00		LM24597	15
G1331	102932.00	F02	LM24601	15
G1340	110178.00		LM25095	209
G135	100010.00	C09		13
G1376	110253.00		LM24513	16
G1376	120026.00	F06	LM24711	16
G1377	110019.00		LM24514	16
G1392	110402.00		LM24534	17
G151	100011.00	C09		13
G1511	102866.00	F02		24
G1513	101766.00			24
G1519	110058.00		LM24614	25
G1531	110420.00		LM24622	25
G156	100016.00			13
G162	100210.00			40
G167	101641.00			40
G180	113895.00			40
G183	113896.00			40
G186	113897.00			40
G201	100048.00		LM24910	59
G203	100049.00		LM24912	59
G205	100378.00		LM24914	59
G207	100050.00		LM24915	59
G209	110111.00		LM24916	59
G212	100023.00	F02	LM24569	21
G216	100354.00	F02	LM24688	21

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
G221	110043.00		LM24917	59
G223	110437.00		LM24919	59
G225	110044.00		LM24160	59
G227	113894.00		LM24921	60
G229	115553.00		LM24131	60
G230	100024.00	F02	LM24571	21
G232	100356.00	F02	LM24689	21
G234	100025.00	F02	LM24555	21
G238	100357.00	F02	LM24690	21
G240	100375.00		LM24909	59
G241	100056.00		LM24911	59
G242	110176.00	E01		213
G243	110177.00	E01		213
G244	110204.00	E01		213
G245	101648.00	E01		65
G245	103014.00			59
G246	116728.00			59
G248	110434.00		LM24913	59
G250	100026.00	F02		21
G254	110384.00		LM24526	21
G256	110220.00		LM24586	21
G258	110387.00		LM24523	22
G270	110388.00		LM24587	22
G272	110390.00		LM24527	22
G278	110381.00		LM24544	21
G289	114420.00		LM24923	60
G290	113700.00			23
G303	101079.00		LM24107	43
G306	110441.00		LM24931	43
G308	100905.00			43
G309	110714.00	E01	LM25094	209
G314	101446.00	F01		15
G316	114617.00		LM24545	15
G321	100913.00		LM24073	43
G322	110199.00	E01	LM24154	209
G324	110353.00		LM24105	43
G326	110313.00		LM24133	43
G327	110354.00		LM24110	209
G329	110034.00		LM24075	43
G332	102933.00	F02	LM24602	15
G333	110009.00		LM24546	15
G339	102909.00	F02	LM24604	15
G340	110178.00		LM25095	209
G342	110275.00		LM24136	43
G344	110145.00		LM24094	44
G345	110715.00		LM25096	209
G347	110035.00		LM24078	44
G348	110206.00		LM25097	209
G350	110011.00		LM24496	15
G352	110276.00		LM24707	16
G354	110013.00		LM24607	16
G355	110017.00		LM24608	16
G356	110022.00			16
G357	110400.00		LM24497	16
G359	110059.00		LM24708	16
G360	113933.00		LM24159	44
G363	121939.00	F06	LM25102	209
G365	110444.00		LM24118	44
G369	113026.00		LM24097	45
G371	110209.00		LM24610	16
G372	110018.00		LM24611	16
G373	110023.00		LM24612	16
G374	110094.00	F06	LM24531	16
G376	110253.00		LM24513	16
G377	110019.00		LM24514	16
G378	113333.00		LM24515	16
G379	110108.00		LM24744	16
G383	110745.00		LM24144	44
G384	111916.00		LM24347	45
G385	114614.00			45
G386	120423.00			
G390	110142.00		LM24745	16

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
G391	110109.00		LM24532	16
G392	110402.00		LM24534	17
G393	102904.00	F02	LM24743	15
G396	115024.00			26
G396	116703.00			26
G507	102860.00		LM24083	65
G508	110176.00			213
G511	102866.00			24
G513	101766.00	F02		24
G514	102864.00		LM24736	24
G515	102862.00		LM24599	24
G516	110413.00		LM24738	24
G517	110057.00		LM24613	24
G518	110416.00		LM24740	25
G519	110058.00		LM24614	25
G522	110047.00		LM24077	65
G523	110177.00			213
G527	110048.00		LM24080	66
G528	110204.00			213
G530	110419.00		LM24535	25
G531	110420.00		LM24622	25
G533	110422.00		LM24530	25
G534	102870.00		LM24736	24
G541	110125.00		LM24112	66
G544	110451.00		LM24084	66
G547	101767.00		LM24964	65
G548	111444.00			213
G552	110905.00		LM24615	26
G553	110908.00		LM24616	26
G562	110916.00		LM24076	69
G563	110912.00		LM24079	69
G564	110918.00		LM24095	70
G569	114142.00		LM24129	69
G572	110905.00	B34	LM24615	26
G573	110908.00	B34 C46	LM24616	26
G574	110910.00	B34	LM24728	26
G580	102921.00			69
G581	102917.00		LM24074	69
G582	110916.00	B34	LM24076	69
G583	110912.00	B34	LM24079	69
G584	110918.00	B34	LM24095	70
G585	116747.00	F02		70
G588	110914.00	B34	LM24104	69
G589	116340.00		LM24140	69
G590	116107.00			71
G647	111932.00			101
G648	111934.00			101
G649	111929.00			101
G651	111074.00			100
G654	111084.00			100
G657	110934.00			100
G659	110961.00			100
G660	111937.00			101
G661	111923.00			101
G662	111942.00			101
G663	111922.00			101
G828	111931.00			101
G829	111930.00			101
G840	111935.00			101
G841	111926.00			101
G853	111075.00			100
G854	111098.00			100
G855	111085.00			100
G857	111086.00			100
G858	111096.00			100
G870	110852.00			100
G871	116606.00			100
G872	116609.00			100
G873	116611.00			100
G874	116612.00			100
G875	116613.00			100
G876	116614.00			100

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
G910	100007.00	C09	LM24551	7
G911	100002.00		LM24552	7
G912	100004.00		LM24553	7
G913	110002.00		LM24542	7
G915	100340.00	F02	LM24674	7
G917	100008.00	C09	LM24502	7
G918	100003.00	C09	LM24503	7
G919	100005.00	C09		7
G919	101544.00	F02	LM24504	7
G923	111309.00			34
G930	110003.00		LM24543	7
G932	110360.00		LM24525	8
G934	110004.00		LM24580	8
G935	110000.00		LM24581	8
G936	110167.00		LM24582	8
G936	113630.00			8
G936	120003.00			8
G937	110361.00		LM24524	8
G939	110005.00		LM24583	8
G950	113266.00	P01		8
G951	110006.00		LM24585	8
G951	113266.00			8
G951	120004.00			8
G952	110363.00		LM24624	8
G958	113266.00			8
G966	100908.00	P01		40
G976	113632.00			8
G979	116704.00			8
G986	110110.00	P01		8
G987	113631.00			8
H116	102012.00			15
H185A	G151809.22		LM32688	45
H613	131500.00			
H616	131547.00			
H619	140004.00			
H664	120047.00			
H665	120032.00			
H666	120034.00			
H668	131466.00			
H669	131467.00			
H670	140013.00			
H700	121009.00		LM24103	43
H710	G130008.00			
H803	116595.00			34
H956	151457.60			
H957	151461.60			
HG123	102016.00	C10	LM24705	15
HG646	101435.00		LM24462	180
I101	120107.00		LM24676	8
I102	120106.00		LM24806	8
I103A	131636.00		LM24679	9
I104A	131616.00		LM24681	9
I105	140680.00			9
I106	140681.00			9
I108A	132044.00			9
I110	120044.00		LM24675	8
I111	120042.00		LM24687	8
I112	131515.00		LM24678	8
I113A	131534.00		LM24680	9
I114	131560.00			9
I114A	131537.00		LM24682	9
I115	140155.00		LM24683	9
I116	140311.00		LM24684	9
I118	120067.00		LM24677	8
I119	131622.00			9
I127	120879.00		LM24685	8
I127	131536.00			8
I130	131851.00			9
I143	140747.00			17
I145	116706.00	F05		9
I147	113608.00	P01		13
I201	120009.00		LM24746	16

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Cross Reference

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
I203	120395.00		LM24747	17
I204	120341.00		LM24714	17
I205	116705.00	F05	LM24748	17
I206	131637.00		LM24715	17
I210	120025.00		LM24709	16
I211	120026.00		LM24711	16
I212	131509.00		LM24713	17
I213	131533.00		LM24716	17
I213A	131533.00		LM24716	17
I214	131538.00		LM24718	17
I214A	131563.00			
I215	140120.00		LM24720	17
I217	140581.00		LM24722	17
I220	120130.00		LM24710	16
I221	120036.00		LM24712	17
I223	131549.00		LM24717	17
I223A	131549.00		LM24717	17
I224	140684.00		LM24719	17
I225	140685.00		LM24721	17
I305	131853.00			23
I314	131631.00			27
I314	131857.00			27
I506	121914.00			101
I508	121915.00			101
I512	121916.00			101
I514	121917.00			101
I700	121507.00	C48		17
I704	131855.00			17
I707	110400.00	F05	LM24497	16
J009	100204.00			113
J013	100205.00			113
J017	100722.00			113
J019	110288.00			113
J021	110289.00			113
J023	110280.00			113
J034	100207.00			113
J035	100208.00			113
J036	100723.00			113
J037	110292.00			113
J038	110293.00			113
J039	110286.00			113
J041	102199.00			115
J042	101776.00			115
J043	101638.00			115
J044	114203.00			115
J045	114202.00			115
J046	114201.00			115
J048	102199.00	F02		115
J049	101776.00	F02		115
J049	113028.00			116
J050	101775.00	F02		115
J050	113029.00			116
J051	113030.00			116
J051	114203.00			115
J052	113031.00			116
J052	114202.00			115
J053	113032.00			116
J053	114201.00			115
J055	113637.00			114
J056	113638.00			114
J057	113957.00			114
J058	113958.00			114
J059	113959.00			114
J062	113028.00			116
J064	113030.00			116
J065	113031.00			116
J066	113032.00			116
J603	113029.00			116
K000	110426.00		LM24155	33
K004	110029.00		LM24111	33
K009	110429.00		LM24874	34
K016	101544.00		LM24504	7

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
K022	110430.00		LM24117	34
K025	113292.00		LM24877	34
K027	101448.00		LM24869	33
K041	113025.00		LM24106	34
K048	113293.00		LM24878	34
K061	110893.00	E02	LM25099	209
K064	115825.00	P03		34
K065	115826.00	P03		34
K073	110362.00	P02		8
K113	101447.00		LM24867	33
K1299	110434.00		LM24913	59
K1300	116728.00			59
K1301	120063.00			59
K1305	100599.00		LM24277	61
K1306	100600.00		LM24879	61
K1307	100601.00		LM24880	
K1308	100602.00		LM24267	61
K1311	114218.00			61
K1316	110163.00		LM24128	65
K1317	112378.00		LM24153	65
K1318	120097.00			65
K1322	102922.00		LM24114	69
K136	110478.00			13
K1491	110451.00		LM24084	66
K1492	113026.00		LM24097	45
K1494	116768.00			259
K151	101646.00		LM24929	43
K152	113633.00			13
K153	102864.00		LM24736	24
K154	101079.00		LM24107	43
K155	110441.00		LM24931	43
K160	110313.00		LM24133	43
K161	110034.00		LM24075	43
K163	110145.00		LM24094	44
K165	113933.00		LM24159	44
K166	110745.00		LM24144	44
K167	110444.00		LM24118	44
K2033	G120038.00		LM24125	66
K2033	G120178.00			213
K2045	G120330.00			258
K2046	120332.00			259
K2055	G121652.00			134
K2068	116646.00			134
K2088	121929.00			71
K2104	111938.00			101
K2115	111941.00	C01 P01		101
K216	100056.00	F02	LM24911	59
K217	102198.00	F02		115
K218	100378.00	F02	LM24914	59
K219	116707.00			23
K220	110111.00		LM24916	59
K221	101638.00	F02		115
K222	110437.00		LM24919	59
K223	113891.00			115
K225	113892.00			115
K226	114420.00		LM24923	60
K227	113893.00			115
K230	114931.00			116
K232	113281.00			23
K233	113334.00	P01		22
K235	103023.00			23
K236	101651.00	P03 F02	LM24697	23
K237	101650.00	P03 F02	LM24699	23
K238	114205.00			116
K240	114204.00			116
K244	113894.00		LM24921	60
K247	103014.00	F02		59
K248	100048.00	F02	LM24910	59
K250	100050.00	F02	LM24915	59
K251	110043.00		LM24917	59
K252	101767.00	F02	LM24964	65
K253	101769.00	F02	LM24093	65

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
K254	102860.00		LM24083	65
K255	110047.00		LM24077	65
K256	110048.00		LM24080	66
K257	110125.00		LM24112	66
K259	110912.00		LM24079	69
K319	121625.00	F07		173
K319	121645.00			
K338	116705.00		LM24748	17
K339	102905.00	F02	LM24706	15
K350	110352.00		LM24534	17
K403	110163.00		LM24128	65
K404	120097.00			65
K406	113890.00			67
K407	112379.00		LM24130	66
K420	101646.00		LM24929	43
K421	101647.00		LM24930	43
K422	100961.00		LM24932	43
K424	110206.00		LM25097	209
K426	110199.00	E01	LM24154	209
K456	114150.00			258
K456	114159.00			259
K458	114147.00			258
K459	114146.00			258
K460	114160.00			259
K461	G121679.00			258
K462	121556.00			259
K469	110176.00			213
K521	110044.00		LM24160	59
K523	110177.00			213
K524	110204.00			213
K526	114149.00			258
K527	100446.00			33
K618	115048.00			27
K619	112135.00		LM24726	26
K622A	G120081.00		LM32791	59
K630	110180.00		LM24727	26
K631	110909.00		LM24539	26
K634A	G120172.00		LM32790	59
K635	110901.00	F03	LM24346	61
K644	115553.00		LM24131	60
K646	110902.00		LM24889	61
K648	116630.00		LM24345	61
K690	116785.00			61
K700	114198.00	B34		70
K748	102197.00	F02		115
K800	110914.00		LM24104	69
K801	110915.00		LM24134	69
K802	120485.00		LM24273	69
K803	110181.00		LM24126	69
K804	110917.00		LM24135	70
K806	116106.00	F02	LM24081	70
KG215	100375.00	F02	LM24909	59
KG219	101637.00	F02		115
KG232	114208.00			116
KG234	114207.00			116
KG236	114206.00			116
L108A	132044.00			9
L409	131478.00			
L410	131479.00			
L412	151355.22			
L413	151356.22			
L414	150282.22			
L415	150261.22			
L416	150263.22			
L417	150265.22			
L454	151516.60	C09		
L455	151516.60			
L462	151529.60	C09		
L463	151529.60			
L467	151530.60	C09		
L633	131465.00			
L909	G130027.00			

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M105	121846.00			
M106	121846.00	K83		
M109	121847.00			
M110	121847.00	K83		
M111	121849.00			
M112	121849.00	K83		
M118	140655.00			
M120	140656.00			
M121	801051.00			
M123	801056.00			
M124	801052.00			
M125	801057.00			
M126	801053.00			
M127	801058.00			
M128	801054.00			
M129	801059.00			
M130	801055.00			
M133	801060.00			
M166	140655.00	K85		
M168	140656.00	K85		
M301	121850.00			
M305	121851.00			
M306	121851.00			
M307	121853.00			
M308	121853.00			
M309	121852.00			
M310	121852.00			
M311	121854.00			
M312	121854.00			
M313	131562.00			
M314	131562.00			
M315	131574.00			
M316	131574.00			
M317	131563.00			
M318	131563.00			
M319	131576.00			
M320	131576.00			
M321	140618.00			
M322	140619.00			
M323	131577.00			
M324	131577.00			
M325	140619.00			
M326	140619.00			
M327	151380.60			
M328	151380.60			
M329	151361.60			
M330	151381.60			
M331	151362.60			
M332	151382.60			
M332	151417.60	C02		
M333	151418.60			
M333	801028.00			
M334	151420.60			
M334	801040.00			
M335	151424.60			
M335	801041.00			
M351	151422.60			
M351	801029.00			
M352	151426.60			
M352	801030.00			
M353	151361.60			
M354	151381.60			
M358	801042.00			
M360	131562.00			
M361	131562.00			
M362	131574.00			
M363	131574.00			
M401	121855.00			
M402	121856.00			
M403	121859.00			
M404	121857.00			
M406	131579.00			

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M407	131580.00			
M408	131581.00			
M409	132027.00			
M411	131583.00			
M414	151569.60			
M415	121858.00			
M416	131582.00			
M417	140764.00			
M417	151567.60			
M418	121860.00			
M420	151568.60			
M421	151570.60			
M422	131579.00			
M423	131580.00			
N042	117286.00			160
N048	140826.00			160
N1614	132108.00			
N1614	132198.00			136
N1615	132200.00			136
N1656	G131596.00			134
N302	112428.00			135
N302	112627.00	E02		135
N305	112427.00	E02		135
N306	112428.00	E02		135
N307	112427.00	E02		135
N308	112428.00	E02		135
N309	112627.00	E02		135
N310	121865.00			135
N310	G120585.00	E02		
N311	G120858.00	E02		
N312	121866.00			135
N312	G120586.00			
N313	115751.00			135
N314	132196.00			135
N314	G130662.00			
N315	G131775.00			
N315A	132202.00			135
N316	G130662.00			
N316B	132197.00			135
N317	G131776.00			
N317A	132203.00			135
N318	140819.00			135
N318	G140280.00			
N319	140820.00			135
N319	G140281.00			
N321	121869.00			135
N332	112427.00			135
N400	115633.00			
N400	117266.00			160
N401	115634.00			
N401	117267.00			160
N4017	132208.00			160
N402	115635.00			160
N403	121419.00			
N403	121873.00			160
N405	121875.00			160
N406	132206.00			160
N409	140828.00			160
N410	191201.00			156
N411	191204.00			156
N412	191207.00			156
N413	191291.00			156
N414	191487.00			156
N415	191217.00			156
N417	191223.00			156
N418	191491.00			156
N430	191202.00			157
N431	191205.00			157
N432	191208.00			157
N433	191213.00			157
N434	G191214.00			157
N435	191219.00			157

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
N437	191225.00			157
N438	G191226.00			157
N450	191200.00			156
N451	191203.00			156
N452	191206.00			156
N453	191209.00			156
N454	191486.00			156
N455	191215.00			156
N456	191488.00			156
N457	191221.00			156
N458	191490.00			156
N520	113473.00			134
N521	113019.00			134
N522	113020.00			134
N523	114313.00			133
N524	114314.00			133
N525	114315.00			133
N526	114316.00			133
N527	114317.00			133
N528	114318.00			133
N529	114319.00			133
N530	114310.00			133
N531	114311.00			133
N532	114312.00			133
N540	113582.00			133
N541	112528.00			133
N542	113583.00			133
N543	112529.00			133
N544	113584.00			133
N545	113300.00			133
N556	113580.00			133
N557	112526.00			133
N558	113581.00			133
N559	112527.00			133
N564	112523.00	E02		136
N566	113588.00			136
N567	112483.00			136
N567	113586.00			136
N567	113588.00			136
N568	115743.00			136
N569	113589.00			136
N587	112643.00			136
N588	112644.00			136
N589	121039.00			136
N591	113588.00			136
N592	113589.00			136
N593	113587.00			136
N595	112524.00			136
N595	113589.00			136
N596	113591.00			136
N599	113587.00			136
N600	115744.00			136
N601	113589.00			136
N601	113590.00			136
N602	112524.00			136
N603	G120587.00	E02		
N604	115745.00			136
N605	113591.00			136
N606	112643.00			136
N607	121871.00			136
N608	115746.00			136
N609	113592.00			136
N610	121039.00			136
N611	112644.00			136
N612	121868.00			136
N612	G120588.00			
N613	121870.00			136
N613	G120911.00			
N614	G130664.00			
N615	G131167.00			
N616	132201.00			136
N616	G131171.00			

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N617	141120.00			136
N617	G131165.00			
N618	140822.00			136
N618	G140466.00			
N619	140821.00			136
N619	G140464.00			
N620	112520.00			136
N620	112547.00	E02		136
N621	112521.00			136
N623	112484.00			136
N626	121867.00			136
N627	112522.00			136
N628	112547.00			136
N640	113649.00			134
N641	113954.00			134
N641	116642.00			134
N642	113473.00			134
N643	113022.00			134
N644	113019.00			134
N645	113023.00			134
N646	113020.00			134
N647	120760.00			134
N648	113024.00			134
N649	113021.00			134
N649	113024.00			134
N650	120761.00			134
N651	113593.00			134
N652	121040.00			134
N653	114616.00			134
N654	120762.00			
N655	120987.00			
N655	G120987.00			
N656	131596.00			
N657	131595.00			
N657B	G131595.00			134
N658	131597.00			
N658B	G131597.00			134
N659	131594.00			
N659	G131594.00			134
N660	140467.00			
N660	G140467.00			134
N661	140465.00			
N661	G140465.00			134
N680	112431.00			133
N681	112432.00			133
N682	112626.00			133
N684	131571.00			133
P001	102197.00			115
P002	102198.00			115
P101	110446.00			65
P102	114176.00		LM24138	65
P102	114931.00			116
P103	110448.00		LM24151	65
P103	114208.00			116
P104	110112.00		LM24139	66
P104	114207.00			116
P105	110192.00		LM24096	66
P105	114206.00			116
P106	111273.00		LM24132	66
P106	114205.00			116
P107	111630.00		LM24975	67
P107	114204.00			116
R300	192010.00			266
R301	192011.00			266
R302	192012.00			266
R303	192020.00			266
R304	192021.00			266
R305	192022.00			266
R306	192030.00			266
R307	192031.00			266
R308	192032.00			266
R309	192040.00			266

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
R310	192041.00			266
R311	192042.00			266
R312	192050.00			266
R313	192051.00			266
R314	192052.00			
R314A	192200.00			266
R315	192060.00			266
R316	192061.00			
R316A	192202.00			266
R318	192070.00			
R318A	192208.00			266
R319	192071.00			
R319A	192205.00			266
R320	193072.60			
R320A	193300.60			266
R321	192080.00			
R321A	192209.00			266
R322	193081.60			
R322A	193301.60			266
R323A	193302.60			266
R324	193100.60			
R324A	193306.60			266
R325	193101.60			
R325A	193307.60			266
R326	193102.60			
R326A	193308.60			266
R327	193110.60			
R327A	193309.60			266
R328	193111.60			
R328A	193310.60			266
R329	193112.60			
R329A	193311.60			266
R330	193120.60			
R330A	193312.60			266
R331	193121.60			
R332	193122.60			
R332A	193314.60			266
R333	193130.60			
R333A	193315.60			266
R334	193131.60			
R334A	193316.60			266
R335	193132.60			
R335A	193317.60			266
R336	193140.60			
R336A	193318.60			266
R337	193141.60			
R3374	192213.00			268
R337A	193319.60			266
R338	193142.60			
R338A	193320.60			266
R339	193150.60			
R339A	193321.60			266
R340	193151.60			
R340A	193322.60			266
R341	193152.60			
R341A	193323.60			266
R342	193160.60			
R342A	193324.60			266
R343	193161.60			
R343A	193325.60			266
R344	193162.60			
R344A	193326.60			266
R345	193170.60			
R345A	193327.60			266
R346	193171.60			
R346A	193328.60			266
R347	193172.60			
R347A	193329.60			266
R348	193180.60			
R348A	193330.60			266
R349	193181.60			
R349A	193331.60			266

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R350	193182.60			
R350A	193332.60			266
R351A	193303.60			266
R352A	193304.60			266
R353A	193305.60			266
R360	192017.00			268
R361	192018.00			268
R362	192019.00			268
R363	192027.00			268
R364	192028.00			268
R365	192029.00			268
R366	192037.00			268
R367	192038.00			268
R368	192039.00			268
R369	192047.00			268
R370	192048.00			268
R371	192049.00			268
R372	192057.00			268
R373	192058.00			268
R3736A	192204.00			268
R374A	192212.00			268
R375	192067.00			268
R378	192207.00			268
R379A	192214.00			268
R380	192014.00			267
R381	192015.00			267
R382	192016.00			267
R383	192024.00			267
R384	192025.00			267
R385	192026.00			267
R386	192034.00			267
R387	192035.00			267
R388	192036.00			267
R389	192044.00			267
R390	192045.00			267
R391	192046.00			267
R392	192054.00			267
R393	192055.00			267
R394A	192201.00			267
R395	192064.00			267
R396A	192203.00			267
R397A	192210.00			267
R398	192206.00			267
R399A	192211.00			267
R400	192088.00			269
R401	192089.00			269
R403	192097.00			269
R404	192098.00			269
R406	192106.00			269
R407	192107.00			269
R409	192115.00			269
R410	192116.00			269
R412	192124.00			269
R413	192125.00			269
R415	192133.00			269
R416A	192230.00			269
R418A	192231.00			269
R419A	192232.00			269
R421A	192233.00			269
R422A	193379.60			269
R424A	193382.60			269
R425A	193383.60			269
R427	193384.60			269
R428A	193385.60			269
R430	193386.60			269
R431A	193387.60			269
R451A	193380.60			269
R452A	193381.60			269
RB102	MST1052.00			
RB103	MST1072.00			
RB104	MST1102.00			
RB105	MST1152.00			

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RB106	MST1202.00			
RB302	MK1052.00			
RB303	MK1072.00			
RB304	MK1102.00			
RB305	MK1152.00			
RB306	MK1202.00			
RB502	MT1052.00			
RB503	MT1072.00			
RB504	MT1102.00			
RB505	MT1152.00			
RB506	MT1202.00			
S003	101423.00	P02 C09	LM24458	7
S006	100006.00	C09	LM24570	7
S010	100006.00	C09	LM24570	7
S011	100116.00	C09		7
S012	100007.00	C09	LM24551	7
S013	100002.00	C09	LM24552	7
S014	100008.00	C09	LM24502	7
S022	100007.00	C09	LM24551	7
S025	100115.00	C09		7
S026	100116.00	C09		7
S027	100002.00	C09	LM24552	7
S030	100588.00		LM24550	7
S033	100004.00		LM24553	7
S036	100005.00			7
S037	110004.00		LM24580	8
S038	110000.00		LM24581	8
S039	110167.00		LM24582	8
S102	100111.00	P01 C09		13
S103	100111.00	C09		13
S106	100014.00	C09		13
S110	100014.00	C09		13
S111	101015.00	C09		13
S112	100015.00	C09		13
S113	100064.00	C09		13
S114	100016.00			13
S115	100065.00	C09		13
S116	113027.00			13
S117	110054.00			13
S118	100111.00	C09 P01		13
S119	100111.00	C09		13
S120	100015.00	C09		13
S126	100111.00	C09		13
S127	101015.00	C09		13
S128	100064.00	C09		13
T014	110108.00		LM24744	16
T016	110142.00		LM24745	16
T018	110109.00		LM24532	16
T019	110402.00		LM24534	17
T031	120341.00		LM24714	17
U004	825086.00			103
U004	G158362.00			
U005	G158366.00			
U005A	825087.00			103
U006	G158157.00			
U007	G158140.00			
U007A	825091.00			103
U008	G158001.00			
U009	G158010.00			
U010	G825047.00			
U011	G825041.00			
U012	G825043.00			
U013	G825045.00			
U014	G825002.00			
U015	G825005.00			
U016	G825008.00			
U017	G825011.00			
U018	G825014.00			
U019	G825017.00			
U056	G158001.00			
U057	G158010.00			
U061	G158319.00			

This information is furnished as a guide only. Always check specific motor to determine sutiability for direct replacement

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
U061A	825086.00			103
U062	G158158.00			
U062A	825088.00			103
U063	G158159.00			
U063A	825090.00			103
U064	G158000.00			
U065	G825039.00			
U066	G825046.00			
U067	G825040.00			
U068	G825042.00			
U069	G825044.00			
U070	G825001.00			
U071	G825004.00			
U072	G825007.00			
U073	G825010.00			
U073A	825110.00			103
U074	G825013.00			
U075	G825016.00			
U075A	825114.00			103
U086	G825014.00			
U087	G825017.00			
U103	G151382.60			121
U106	G801028.00			121
U109A	G801040.00			121
U112	G801029.00			121
U114	G801041.00			121
U116	G801030.00			121
U118	G801042.00			121
U1248	131986.00		LM32734	35
U1249	131988.00		LM32737	35
U1266	131971.00			34
U1267	131972.00			34
U135A	G121846.00			119
U147A	G121847.00			119
U153	G121849.00			119
U159A	G131882.00			119
U165A	G131884.00			119
U171A	G131883.00			119
U1779	170025.60		LM14813	36
U177A	G131885.00			119
U1782	170044.60		LM13945	37
U1783	170029.60		LM14815	37
U1784	170151.60		LM14814	37
U183	G140667.00			119
U189A	G140655.00			119
U1928	170148.60		LM13927	36
U195	G140668.00			119
U201A	G140656.00			119
U207	G801051.00			119
U213	G801056.00			119
U219	G801052.00			119
U219	G801056.00			119
U225	G801057.00			119
U228A	G801053.00			119
U231	G801058.00			119
U234	G801054.00			119
U236	G801059.00			119
U238	G801055.00			
U240	G801060.00			119
U245	121514.00		LM32727	34
U246	121515.00		LM33137	34
U247	121516.00		LM32731	34
U250	170154.60		LM13942	37
U251	171449.60	C02	LM13945	37
U252	171573.60		LM13819	37
U254	170145.60		LM32738	
U255	170146.60		LM32742	35
U256	170067.60		LM31244	
U257	170000.60		LM30273	
U268	171574.60		LM32733	34
U269	171575.60		LM32735	35
U270	170149.60		LM13944	36

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
U271	170150.60		LM13947	37
U272	170255.60		LM13815	37
U273	170259.60		LM13816	37
U274	171576.60		LM13818	37
U275	171577.60		LM16239	37
U301	G121855.00			122
U304A	G121858.00			122
U307	G121856.00			122
U310A	G121859.00			122
U313A	G121857.00			122
U319A	G131579.00			122
U322A	G131580.00			122
U325A	G131581.00			122
U329	G132027.00			122
U334	G140622.00			122
U337	G141122.00			122
U340	G140623.00			122
U344	G151567.60			122
U348	G151568.60			122
U351	G151569.60			122
U354	G151570.60			122
U357	G140764.00			122
U360	G131582.00			122
U363	G121860.00			122
U366	G151746.60			123
U402	G131249.00			
U402B	132242.00		LM32773	62
U403	G130327.00			
U403A	132082.00		LM32774	62
U404	G131250.00			
U404B	132244.00		LM32776	62
U405	G140589.00			
U405	G150170.60	C02		
U405A	140767.00		LM32666	62
U405A	171690.60	F16	LM15573	63
U427	131500.00			
U429	131547.00			
U432	G140692.00			
U432	G150171.60	C02		
U432A	141111.00		LM32778	62
U433	G140146.00			
U433A	140768.00		LM32649	62
U435	141119.00			62
U435	G140693.00			
U435	G150173.60	C02		
U436	G150175.60	C02		
U436A	170175.60		LM32781	62
U437	170070.60	C02	LM32782	62
U437	G150070.60	C02		
U438	G150071.60	C02		
U439	G151688.60	C02		
U439A	171688.60		LM32784	63
U440	G150023.60	C02		
U440A	170073.60		LM31245	63
U442	G151377.60	C02		
U442A	171377.60	F34	LM31246	63
U444	G151378.60	C02		
U444A	170378.60	F35	LM13837	63
U446	G151379.60	C02		
U446A	170379.60	F14	LM13839	63
U448	G151689.60			
U448A	171689.60	F15	LM15570	63
U450	G151690.60			
U452	G151691.60			
U452A9	171691.60	F23	LM17387	63
U602	G130099.00			
U604	171624.60	F06		210
U605	131465.00			
U607	G151320.60			
U607A	131463.00		LM32741	45
U608	131460.00			
U608	132253.00		LM16384	210

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
U609	131460.00			
U610A	171378.60		LM60027	45
U613	G150299.60			
U614	131552.00			
U614	132254.00		LM16386	210
U615	131552.00	C01		
U616	131466.00			
U618	G151322.60			
U618A	131464.00		LM15650	46
U618A	171322.60		LM24195	46
U619	131461.00			
U619	132255.00		LM17067	210
U620	131461.00	C01		
U621	G140126.00	C01		
U621A	171379.60		LM15883	46
U6239A	140451.00		LM32809	47
U624	170158.60		LM15878	46
U624	G131774.00	C01		
U624A	170158.60		LM15878	46
U625	121517.00		LM24872	33
U625	150196.60			
U625B	170007.60		LM24207	47
U627	131467.00			
U629A	170157.60		LM24209	46
U630	141116.00		LM16391	210
U632	G150122.60	C02		
U633	G150122.60			
U633	G150157.60			
U633A	170122.60		LM15892	46
U636	G150159.60			
U636A	170159.60		LM15861	47
U637	150197.60			
U637	170197.60		LM16394	210
U638	150198.60			
U638	170198.60		LM17075	211
U639	G150140.60			
U639A	170140.60		LM60036	47
U640	150212.60	C02		
U641	150212.60			
U641	170212.60		LM17073	210
U642	G150123.60			
U642A	170123.60		LM15675	47
U644	G150062.60			
U644A	170062.60		LM15890	47
U645	150198.60	C02		
U647	G150066.60			
U647B	170066.60		LM24208	47
U648	150116.60			
U648	170116.60		LM16400	211
U649	G150033.60			
U649A	170033.60		LM15673	47
U650	150199.60			
U650	170199.60		LM16403	211
U652	G150007.60			
U653	150117.60			
U653	170117.60		LM15919	211
U654	150224.60			
U654	170224.60		LM16406	211
U659	150121.60			
U659	170121.60		LM14411	211
U660	150239.60			
U660	170239.60		LM18369	212
U661	150253.60			
U663	G151370.60			
U668	131466.00			
U669	G150352.60			
U670	G140687.00			
U670	G151317.60	C02		
U671	150196.60			
U671	170196.60		LM16389	210
U701	G121286.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
U704	G121287.00			
U707	G120276.00			
U710	G130326.00			
U713	G130328.00			
U716	G140183.00			
U719	G140147.00			
U722	G150102.60	C02		
U724	G150080.60	C02		
U725	171591.60		LM62035	72
U725	G150081.60			
U726	G150082.60			
U727	171593.60		LM62041	73
U727	G150083.60			
U728	G150084.60			
U729	G150085.60			
U730	G150086.60			
U731	G151680.60			
U733	G121290.00			
U735	113927.00		LM24121	70
U739	G151446.60	C02		
U741	G131774.00			
U744	G140696.00			
U744	G150168.60	C02		
U746	G150103.60	C02		
U748	G150079.60	C02		
U749	171590.60		LM32659	72
U749	G150106.60			
U750	170108.60		LM16773	73
U750	171591.60		LM62035	72
U750	G150108.60			
U751	G120428.00			
U753	G131497.00			
U754	G140602.00			
U755	G140482.00			
U756	G150138.60	C02		
U757	G150139.60	C02		
U758	121003.00		LM24871	33
U759	121004.00		LM24875	34
U760	121005.00		LM24169	34
U761	131519.00		LM24222	34
U762	131520.00		LM24202	35
U763	140470.00	C01	LM24194	35
U763	170142.60			35
U764	140753.00	C01	LM32740	35
U764	170143.60			35
U765	140472.00	C01	LM24193	35
U765	170144.60			35
U766	140754.00	C01	LM32743	35
U766	170064.60			35
U767	170065.60		LM24190	35
U768	170032.60		LM32745	35
U769	170006.60		LM24199	35
U770	170034.60		LM32747	36
U771	170009.60		LM29576	36
U772	170036.60		LM32687	36
U773	170013.60		LM29577	36
U774	170038.60		LM13969	36
U775	170017.60		LM13811	36
U776	170040.60		LM13812	36
U777	170021.60		LM13813	36
U778	170042.60		LM13814	36
U779	170025.60		LM14813	36
U780	170142.60	C02		35
U781	170144.60	C02		35
U782	170044.60		LM13945	37
U783	170029.60		LM14815	37
U784	170151.60		LM14814	37
U798	170002.60		LM13809	
U799	170004.60		LM13810	36
U830	170110.60		LM13725	73
U834	170112.60		LM13727	73

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
U903	150253.60	E02		
U927	170147.60		LM13924	36
U930	111922.00	C01		101
U932	G120489.00	C01		
U933	G120490.00	C01		
U935	G120491.00	C01		
U936	G120391.00	C01		
U938	G120387.00	C01		
U939	G158362.00			
U941	G158319.00			
U942	G158366.00			
U944	G158158.00			
U945	G158157.00			
U947	G158159.00			
U948	G158140.00			
U950	G158000.00			
U951	G158001.00			
U953	G825039.00			
U954	G158010.00			
U956	G825046.00			
U957	G825047.00			
U959	G825040.00			
U960	G825041.00			
U962	G825042.00			
U963	G825043.00			
U965	G825044.00			
U966	G825045.00			
U968	G825001.00			
U969	G825002.00			
U971	G825004.00			
U972	G825005.00			
U974	G825007.00			
U975	G825008.00			
U977	G825010.00			
U978	G825011.00			
U980	G825013.00			
U981	G825014.00			
U983	G825016.00			
U984	G825017.00			
U991A	825089.00			103
W501	811541.00			89
W505	811542.00			89
W507	811543.00			89
W511	811544.00			89
W513	811545.00			89
W517	811546.00			89
W519	811547.00			89
W523	811548.00			89
W525	811549.00			89
W530	811550.00			89
W532	811551.00			89
W533	811557.00			89
W537	811552.00			89
W539	811553.00			89
W544	811554.00			89
W546	811555.00			89
W551	811556.00			89
W558	811558.00			89
W560	811559.00			89
W565	811560.00			89
W567	811561.00			89
W571	811562.00			89
W573	811563.00			89
W577	811564.00			89
W580	811564.00			89
W584	811566.00			89
W587	811567.00			89
W591	811568.00			89
W594	811569.00			89
W598	811570.00			89
W600	811571.00			89

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
X024	100699.00			174
X024	100803.00		LM2447	174
X025	100700.00			174
X025	100804.00		LM24448	174
X026	100701.00			174
X026	111323.00			174
X027	100824.00		LM24442	174
X028	100825.00		LM24443	174
X029	101645.00		LM24444	174
X029	111321.00			174
X030	100699.00			174
X030	100803.00		LM2447	174
X031	100700.00			174
X031	100804.00		LM24448	174
X032	111323.00			174
X500	116772.00	S14		194
X501	116773.00	S14		194
X513	115778.00			194
X523	115779.00			194
X902	111330.00			178
X909	101341.00			181
X920	191872.00			196
X921	191871.00			196
X922	191873.00			196
X923	191891.00			196
X924	191892.00			196
X925	191893.00			196
Y1303	131850.00		LM24784	177
Y302	131849.00		LM24783	177
Y303	131850.00		LM24784	177
Y304	140641.00		LM24785	177
Y509	810066.00		LM06135	78
Y510	810007.00			78
Y525	810548.00		LM26359	77
Y526	810546.00		LM06113	77
Y527	811320.00		LM06119	77
Y533	811530.00			78
Y564	811322.00			77
Y569	810011.00			78
Y573	810027.00			78
Y574	810031.00			78
Y575	810087.00			78
Y576	811369.00		LM03516	78
Y577	811371.00		LM03564	78
Y578	810503.00		LM3596	78
Y580	811529.00			78
Y582	810001.00			78
Y590	810547.00		LM26233	77
Y595	810157.00		LM06131	77
Y965	G120587.00	E02		
Y967	G120588.00			
Y972	120761.00			134
Y973	120762.00			
Z112A	131541.00		LM24796	171
Z113A	131542.00		LM24801	171
Z115	140209.00		LM24804	173
Z116	140414.00		LM24805	173
Z117	140203.00			173
Z117	140223.00		LM24803	173
Z118	113938.00		LM24795	171
Z119	131541.00		LM24796	171
Z119A	M009090.00			182
Z120	131542.00		LM24801	171
Z120A	131542.00		LM24801	171
Z121	131543.00		LM24798	171
Z121A	131543.00		LM24798	171
Z122	140130.00			173
Z122	140707.00		LM24799	171
Z123	121569.00		LM24793	171
Z128	110090.00			171
Z305	131847.00			177

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
Z305A	131847.00			177
Z307A	131848.00		LM24780	177
Z308	140640.00		LM24782	177
Z313	131848.00		LM24780	177
Z315	140640.00		LM24782	177
Z401	120996.00			120
Z403	120994.00			120
Z404	121190.00			120
Z405	132073.00			120
Z405A	132073.00			120
Z406	131640.00			120
Z406A	131640.00			120
Z407	131604.00			120
Z407A	131604.00			120
Z408	131641.00			120
Z408A	131641.00			120
Z409	131605.00			120
Z410	140642.00			120
Z411	140665.00			120
Z412	140644.00			120
Z413	140666.00			120
Z427	131589.00			
Z427A	131881.00			119
Z429	140646.00			119
Z431	140647.00			119
Z502	131534.00		LM24680	9
Z506	131537.00		LM24682	9
Z602	098002.00			282
Z603	098003.00			282
Z604	098004.00			282
Z605	098005.00			282
Z606	098000.00			282
Z607	098008.00			282
Z608	108014.00			282
Z609	108015.00			282
Z610	098032.00			282
Z610	108018.00			282
Z611	098069.00			282
Z611	108019.00			282
Z612	108022.00			282
Z613	108023.00			282
Z614	108092.00			282
Z615	108262.00			282
Z615	128000.00			282
Z616	128010.00			282
Z617	128001.00			282
Z619	108502.00			282
Z630	108423.00			142
Z631	108424.00			142
Z634	108226.00			142
Z635	108227.00			142
Z636	108228.00			142
Z637	108229.00			142
Z638	108230.00			142
Z639	108231.00			142
Z641	108232.00			142
Z652	118015.00			284
Z654	118016.00			284
Z655	118017.00			284
Z656	118018.00			284
Z657	118019.00			284
Z660	108045.00			292
Z662	108046.00			292
Z663	108050.00			292
Z664	108047.00	F02		292
Z665	108051.00			292
Z667	108052.00			292
Z669	108053.00			292

This information is furnished as a guide only.
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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON			Lincoln Catalog #	LEESON Page #
4FM53	170019.60	C44			LM13699	49
4FN19	170019.60	C44			LM13699	49
4N954	170019.60				LM13699	49
4N972	170019.60				LM13699	49
4N973	170019.60	F14			LM13699	49
5N268	170019.60				LM13699	49
5N828	170019.60				LM13699	49
5N844	170260.60				LM13705	50
5N846	170371.60				LM13707	51
5N290	170002.60				LM13809	
5N325	170002.60	C02			LM13809	
5N328	170004.60	C02			LM13810	36
3KW58	170017.60				LM13811	36
5N348	171522.60				LM13817	37
5N351	171523.60				LM13820	37
5N945	171523.60				LM13820	37
4FM54	170096.60	C44			LM13918	49
4N995	170096.60				LM13918	49
5N269	170096.60				LM13918	49
5N829	170096.60				LM13918	49
5N331	170147.60				LM13924	36
5N923	170147.60	C02			LM13924	36
5N334	170148.60				LM13927	36
5N926	170148.60				LM13927	36
4N997	170098.60				LM13938	49
5N275	170098.60				LM13938	49
5N835	170098.60				LM13938	49
4N920	170160.60				LM13939	50
5N279	170160.60				LM13939	50
5N839	170160.60				LM13939	50
5N342	170152.60				LM13943	37
5N934	170152.60				LM13943	37
5N345	170155.60				LM13946	37
5N938	170155.60				LM13946	37
4FM46	170035.60	C44			LM13960	48
4N916	170035.60				LM13960	48
4N943	170035.60				LM13960	48
5N261	170035.60				LM13960	48
5N821	170035.60				LM13960	48
4FM50	170015.60	C44			LM13964	48
4N953	170015.60				LM13964	48
4N989	170015.60				LM13964	48
5N265	170015.60				LM13964	48
5N783	170015.60				LM13964	48
5N825	170015.60				LM13964	48
3KW57	170038.60				LM13969	36
4FM58	170043.60	C44			LM14808	49
4N947	170043.60				LM14808	49
5N273	170043.60				LM14808	49
5N833	170043.60				LM14808	49
4FM59	170027.60	C44			LM14809	49
4FM60	170027.60	C44	F15		LM14809	49
4N976	170027.60				LM14809	49
4N977	170027.60	F15			LM14809	49
5N274	170027.60				LM14809	49
5N834	170027.60				LM14809	49
4FM62	170045.60	C44			LM14810	50
4N948	170045.60				LM14810	50
5N276	170045.60				LM14810	50
5N836	170045.60				LM14810	50
4FM63	170031.60	C44			LM14811	50
4FM64	170031.60	C44	F16		LM14811	50
4N978	170031.60				LM14811	50
4N979	170031.60	F16			LM14811	50
5N277	170031.60				LM14811	50
5N837	170031.60				LM14811	50
6FN65	131985.00	C01			LM15646	45
5N799	131980.00	C01			LM15648	44
4FN68	131987.00	C01			LM15649	46
5N802	131981.00	C01			LM15651	45
4FM43	170033.60	C44			LM15673	47
4FN79	170033.60				LM15673	47

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON			Lincoln Catalog #	LEESON Page #
4N915	170033.60				LM15673	47
4N942	170033.60				LM15673	47
5N258	170033.60				LM15673	47
5N818	170033.60				LM15673	47
4FM39	170123.60	C44			LM15675	47
4FN76	170123.60				LM15675	47
4N990	170123.60				LM15675	47
5N004	170123.60				LM15675	47
5N254	170123.60				LM15675	47
5N814	170123.60				LM15675	47
4FM47	170011.60	C44			LM15792	48
4N952	170011.60				LM15792	48
4N988	170011.60				LM15792	48
5N262	170011.60				LM15792	48
5N782	170011.60				LM15792	48
5N822	170011.60				LM15792	48
4FM42	170068.60	C44			LM15793	47
4N991	170068.60				LM15793	47
5N005	170068.60				LM15793	47
5N257	170068.60				LM15793	47
5N817	170068.60				LM15793	47
4FM45	170001.60	C44			LM15796	47
4N992	170001.60				LM15796	47
5N006	170001.60				LM15796	47
5N260	170001.60				LM15796	47
5N820	170001.60				LM15796	47
4FM37	170159.60	C44			LM15861	47
4FN74	170159.60				LM15861	47
4N913	170159.60				LM15861	47
4N940	170159.60				LM15861	47
5N253	170159.60				LM15861	47
5N812	170159.60				LM15861	47
4FM34	170158.60	C44			LM15878	46
4FN71	170158.60				LM15878	46
5N055	170158.60				LM15878	46
5N057	170158.60				LM15878	46
5N251	170158.60				LM15878	46
5N809	170158.60				LM15878	46
5N808	171379.60				LM15883	46
4FM40	170062.60	C44			LM15890	47
4FN77	170062.60				LM15890	47
4N914	170062.60				LM15890	47
4N941	170062.60				LM15890	47
5N255	170062.60				LM15890	47
5N815	170062.60				LM15890	47
4FM36	170122.60	C44			LM15892	46
4FN73	170122.60				LM15892	46
5N061	170122.60				LM15892	46
5N062	170122.60				LM15892	46
5N252	170122.60				LM15892	46
5N811	170122.60				LM15892	46
2G691	140450.00	C01			LM16029	46
4FN72	140450.00	C01			LM16029	46
5N849	170352.60				LM16230	51
4FM52	170039.60	C44			LM19749	49
4N918	170039.60				LM19749	49
4N928	170039.60	S05			LM19749	49
4N945	170039.60				LM19749	49
5N267	170039.60				LM19749	49
5N827	170039.60				LM19749	49
4FM56	170023.60	C44			LM19753	49
4N955	170023.60				LM19753	49
4N974	170023.60				LM19753	49
4N975	170023.60	F14			LM19753	49
5N271	170023.60				LM19753	49
5N831	170023.60				LM19753	49
4FM57	170097.60	C44			LM19754	49
4N996	170097.60				LM19754	49
5N272	170097.60				LM19754	49
5N832	170097.60				LM19754	49
4N980	170087.60				LM19762	50
4N981	170087.60	F17			LM19762	50

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
5N280	170087.60		LM19762	50
5N840	170087.60		LM19762	50
2N865	100913.00		LM24073	43
3N536	100913.00		LM24073	43
2N866	110034.00		LM24075	43
3N352	110034.00		LM24075	43
3N538	110034.00		LM24075	43
3N873	110916.00		LM24076	69
2N924	110047.00	C46	LM24077	65
3N688	110047.00		LM24077	65
3N017	110035.00		LM24078	44
3N285	110035.00		LM24078	44
3N540	110035.00		LM24078	44
3N446	110912.00		LM24079	69
3N087	110048.00		LM24080	66
3N689	110048.00		LM24080	66
2N916	102860.00	C46	LM24083	65
3N687	102860.00		LM24083	65
3N266	110451.00		LM24084	66
3N317	110145.00		LM24094	44
3N541	110145.00		LM24094	44
3N562	110145.00		LM24094	44
3N343	110918.00		LM24095	70
4LW89	110918.00		LM24095	70
3N473	110192.00		LM24096	66
4N075	110192.00		LM24096	66
3N486	113026.00		LM24097	45
3N419	100029.00		LM24098	33
3N528	100029.00		LM24098	33
3N641	100029.00		LM24098	33
3N420	100030.00		LM24099	33
3N529	100030.00		LM24099	33
3N642	100030.00		LM24099	33
2Z657	121009.00		LM24103	43
2R928	110914.00		LM24104	69
2N926	110353.00		LM24105	43
3N693	113025.00		LM24106	34
2N864	101079.00		LM24107	43
3N536	101079.00		LM24107	43
2Z500	110354.00		LM24110	209
3N012	110029.00		LM24111	33
3N421	110029.00		LM24111	33
3N531	110029.00		LM24111	33
3N643	110029.00		LM24111	33
3N265	110125.00		LM24112	66
3N690	110125.00		LM24112	66
3N422	110430.00		LM24117	34
3N533	110430.00		LM24117	34
3N644	110430.00		LM24117	34
3N018	110444.00		LM24118	44
3N542	110444.00		LM24118	44
3N447	113927.00		LM24121	70
2R934	110181.00		LM24126	69
2R926	114142.00		LM24129	69
3N871	115553.00		LM24131	60
3N238	111273.00		LM24132	66
4N077	111273.00		LM24132	66
3N443	110313.00		LM24133	43
3N539	110313.00		LM24133	43
3N561	110313.00		LM24133	43
2R930	110915.00		LM24134	69
1Z899	110917.00	E02	LM24135	70
2R938	110917.00		LM24135	70
3N427	110275.00		LM24136	43
3N471	114176.00		LM24138	65
4N069	114176.00		LM24138	65
3N237	110112.00		LM24139	66
4N073	110112.00		LM24139	66
2R932	116340.00	B34 E02	LM24140	69
3N444	110745.00		LM24144	44
3N472	110448.00		LM24151	65
4N071	110448.00		LM24151	65

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
3N418	100028.00		LM24152	33
3N527	100028.00		LM24152	33
3N640	100028.00		LM24152	33
1Z972	112378.00		LM24153	65
3N532	110426.00		LM24155	33
3GC39	113933.00		LM24159	44
3N875	110044.00		LM24160	59
3KW31	121005.00		LM24169	34
5N786	121005.00		LM24169	34
3KW46	170065.60		LM24190	35
5N791	170065.60	C02	LM24190	35
5N315	140472.00		LM24193	35
5N312	140470.00		LM24194	35
4FM32	171322.60	C44	LM24195	46
4FN69	171322.60		LM24195	46
5N046	171322.60		LM24195	46
5N048	171322.60		LM24195	46
5N297	171322.60		LM24195	46
5N777	171322.60		LM24195	46
5N807	171322.60		LM24195	46
3KW49	170006.60		LM24199	35
3N894	170006.60		LM24199	35
5N321	170006.60		LM24199	35
5N792	170006.60	C02	LM24199	35
3KW37	131520.00		LM24202	35
5N788	131520.00		LM24202	35
4FM44	170007.60	C44	LM24207	47
4FN80	170007.60		LM24207	47
4N951	170007.60		LM24207	47
4N971	170007.60		LM24207	47
5N259	170007.60		LM24207	47
5N781	170007.60		LM24207	47
5N819	170007.60		LM24207	47
3KV89	170066.60		LM24208	47
4FM41	170066.60	C44	LM24208	47
4FN78	170066.60		LM24208	47
4N950	170066.60		LM24208	47
4N970	170066.60		LM24208	47
5N256	170066.60		LM24208	47
5N780	170066.60		LM24208	47
5N816	170066.60		LM24208	47
4FM35	170157.60	C44	LM24209	46
4FN72	170157.60		LM24209	46
5N058	170157.60		LM24209	46
5N060	170157.60		LM24209	46
5N298	170157.60		LM24209	46
5N778	170157.60		LM24209	46
5N810	170157.60		LM24209	46
3KW34	131519.00		LM24222	34
5N787	131519.00		LM24222	34
1Z881	100602.00		LM24267	61
1Z874	100599.00		LM24277	61
1Z916	116630.00		LM24345	61
1Z897	110901.00		LM24346	61
3N445	111916.00		LM24347	45
4M042	100824.00		LM24442	174
4M041	100825.00		LM24443	174
1D066	100804.00	C29 P01	LM24448	174
1D067	100804.00	C29	LM24448	174
2K348	100804.00		LM24448	174
4M252	100804.00		LM24448	174
3K201	100000.00	C12	LM24457	7
2K532	101423.00	P02	LM24458	7
6K902	101423.00	P02	LM24458	7
3K994	101435.00		LM24462	180
3K995	101436.00		LM24463	180
1D061	100184.00		LM24465	7
4K131	100184.00	C12 P03	LM24465	7
5K683	100184.00	P03	LM24465	7
2K349	100803.00		LM2447	174
4M251	100803.00		LM2447	174
2K593	110011.00		LM24496	15

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
5K672	110011.00		LM24496	15
2K599	110400.00		LM24497	16
2K554	100008.00		LM24502	7
4K858	100008.00		LM24502	7
5K456	100008.00	C12	LM24502	7
5K457	100008.00	C12	LM24502	7
5K458	100008.00	C12	LM24502	7
6K188	100008.00		LM24502	7
6K519	100008.00		LM24502	7
3K174	100003.00		LM24503	7
3K218	100003.00	C12	LM24503	7
3K784	100003.00	C12	LM24503	7
5K117	100003.00		LM24503	7
5K459	100003.00	C12	LM24503	7
5K982	100003.00	C12	LM24503	7
6K236	100003.00	C32	LM24503	7
6K759	100003.00		LM24503	7
6K949	100003.00		LM24503	7
6K502	101544.00	C07	LM24504	7
1K066	110253.00		LM24513	16
2K607	110253.00		LM24513	16
4K022	110253.00		LM24513	16
6K419	110253.00		LM24513	16
6K510	110253.00		LM24513	16
3K152	110019.00		LM24514	16
3K235	110019.00		LM24514	16
5K565	110019.00		LM24514	16
5K565AK	110019.00		LM24514	16
3K235	113333.00	P02	LM24515	16
5K641	113333.00		LM24515	16
3N629	111329.00		LM24521	178
2K559	110361.00		LM24524	8
2K646	110361.00		LM24524	8
6K284	110361.00		LM24524	8
C1422	110361.00		LM24524	8
1D063	110360.00		LM24525	8
6K232	110360.00		LM24525	8
2K383	110422.00	P03	LM24530	25
2K661	110422.00		LM24530	25
3K239	110094.00	P03	LM24531	16
2K606	110109.00		LM24532	16
3K239	110109.00	P02	LM24532	16
4K067	110109.00		LM24532	16
6K338	110109.00		LM24532	16
2K609	110402.00		LM24534	17
5K961	110402.00		LM24534	17
2K389	110419.00	P03	LM24535	25
2K665	110419.00		LM24535	25
6K832	110419.00	P03	LM24535	25
2K542	110001.00		LM24540	7
5K118	110001.00		LM24540	7
5K442	110001.00	C12	LM24540	7
2K551	110002.00		LM24542	7
5K617	110002.00		LM24542	7
2K558	110003.00		LM24543	7
6K949	110003.00		LM24543	7
2K581	114617.00		LM24545	15
2K587	110009.00		LM24546	15
5K502	110009.00		LM24546	15
3K170	100001.00		LM24549	7
5K115	100001.00		LM24549	7
5K443	100001.00	P01	LM24549	7
5K445	100001.00		LM24549	7
2K484	100588.00		LM24550	7
5K599	100588.00		LM24550	7
2K548	100007.00		LM24551	7
4K855	100007.00		LM24551	7
5K449	100007.00	C12	LM24551	7
5K451	100007.00	C12	LM24551	7
6K187	100007.00		LM24551	7
3K172	100002.00		LM24552	7
3K211	100002.00	C12	LM24552	7
3K782	100002.00		LM24552	7
5K116	100002.00		LM24552	7
5K450	100002.00	C12	LM24552	7
2K549	100004.00		LM24553	7
5K455	100004.00		LM24553	7
5K597	100004.00	C10	LM24553	7
5K696	100004.00		LM24553	7
3K072	100025.00		LM24555	21
4K026	100025.00		LM24555	21
5K340	100025.00		LM24555	21
3K070	100023.00		LM24569	21
4K024	100023.00		LM24569	21
6K974	100023.00		LM24569	21
2K539	100006.00		LM24570	7
4K530	100006.00		LM24570	7
4K852	100006.00		LM24570	7
3K071	100024.00		LM24571	21
4K025	100024.00		LM24571	21
5K339	100024.00		LM24571	21
2K526	110004.00		LM24580	8
2K529	110004.00		LM24580	8
5K431	110004.00	C12	LM24580	8
5K642	110004.00		LM24580	8
5K921	110004.00		LM24580	8
3K176	110000.00		LM24581	8
6K148	110000.00		LM24581	8
6K237	110000.00		LM24581	8
3VF56	110167.00		LM24582	8
6K699	110167.00		LM24582	8
2K560	110005.00		LM24583	8
5K644	110005.00		LM24583	8
5K923	110005.00		LM24583	8
6K162	110005.00	C07	LM24583	8
6K422	110006.00		LM24585	8
3K074	110220.00		LM24586	21
4K028	110220.00		LM24586	21
5K673	110220.00		LM24586	21
1K073	110388.00		LM24587	22
4K029	110388.00	C07	LM24587	22
3K015	102867.00	E01	LM24598	24
5K341	102867.00		LM24598	24
3K016	102862.00		LM24599	24
6K342	102862.00		LM24599	24
2K577	102014.00		LM24606	15
2K597	110013.00		LM24607	16
4K018	110013.00		LM24607	16
6K938	110013.00		LM24607	16
3K229	110017.00		LM24608	16
3ZP87	110017.00		LM24608	16
4K019	110017.00		LM24608	16
5K608	110017.00		LM24608	16
6K123	110017.00		LM24608	16
6K308	110017.00		LM24608	16
1K065	110209.00		LM24610	16
2K602	110209.00		LM24610	16
4K020	110209.00		LM24610	16
6K407	110209.00		LM24610	16
6K508	110209.00		LM24610	16
3K231	110018.00		LM24611	16
4K021	110018.00		LM24611	16
5K609	110018.00		LM24611	16
6K309	110018.00		LM24611	16
6K562	110018.00		LM24611	16
6K640	110023.00		LM24612	16
3K017	110057.00		LM24613	24
6K436	110057.00		LM24613	24
3K018	110058.00		LM24614	25
6K674	110058.00		LM24614	25
1K081	110905.00		LM24615	26
2K676	110905.00		LM24615	26
6K045	110908.00	B30	LM24616	26
3K020	110420.00		LM24622	25

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6K702	110420.00		LM24622	25	2K673	110180.00		LM24727	26
2K524	110363.00		LM24624	8	3K348	110180.00		LM24727	26
6K138	110363.00		LM24624	8	1K082	110910.00		LM24728	26
1K079	102907.00		LM24628	26	2K678	110910.00		LM24728	26
1D056	100340.00		LM24674	7	6K975	102868.00		LM24733	24
1D062	100340.00		LM24674	7	2K376	102864.00	P03	LM24736	24
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6K271	120044.00		LM24675	8	2K663	102870.00		LM24736	24
6K825	120044.00		LM24675	8	6K181	102870.00	P03	LM24736	24
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5K482	131515.00	B23	LM24678	8	6K197	110416.00	P03	LM24740	25
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5K483	131534.00	B23	LM24680	9	6K358	110108.00		LM24744	16
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6K633	131616.00		LM24681	9	3K152	120009.00		LM24746	16
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6K026	131537.00		LM24682	9	3K344	120395.00		LM24747	17
6K757	131537.00	C10	LM24682	9	6K710	113256.00		LM24789	171
6K854	131537.00		LM24682	9	6K840	113256.00		LM24789	171
2K501	140155.00		LM24683	9	6K592	110086.00	P02	LM24790	171
5K677	140155.00		LM24683	9	6K714	110086.00		LM24790	171
6K100	140311.00	S04	LM24684	9	6K841	110086.00		LM24790	171
6K972	120879.00		LM24685	8	6K619	110087.00	P02	LM24791	171
5K481	120042.00	B22	LM24687	8	6K719	110087.00		LM24791	171
5K997	120042.00		LM24687	8	6K841	110087.00		LM24791	171
6K272	120042.00		LM24687	8	6K622	110088.00	P02	LM24792	171
6K826	120042.00		LM24687	8	6K727	110088.00		LM24792	171
2K645	110382.00		LM24691	21	6K843	110088.00		LM24792	171
5K110	101651.00		LM24697	23	6K994	121569.00		LM24793	171
1K084	101650.00		LM24699	23	6K740	110089.00		LM24794	171
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3K230	110276.00	P03	LM24707	16	6K886	113938.00		LM24795	171
2K600	110059.00		LM24708	16	2K343	131541.00	S07	LM24796	171
3K234	110059.00	P03	LM24708	16	6K313	131541.00		LM24796	171
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6K407	120025.00		LM24709	16	2K345	131543.00		LM24798	171
6K827	120025.00		LM24709	16	6K815	131543.00		LM24798	171
3K300	120130.00		LM24710	16	6K847	131543.00		LM24798	171
5K486	120026.00	B22	LM24711	16	6K882	131543.00		LM24798	171
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3K344	120036.00		LM24712	17	6K814	131542.00		LM24801	171
3K155	131509.00		LM24713	17	6K881	131542.00		LM24801	171
5K487	131509.00	B23	LM24713	17	6K816	140223.00		LM24803	173
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2K525	120341.00	E02	LM24714	17	6K817	140209.00		LM24804	173
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6K145	131637.00		LM24715	17	2K566	140414.00	P02 S04	LM24805	173
3K156	131533.00		LM24716	17	6K818	140414.00		LM24805	173
5K488	131533.00	B23	LM24716	17	6K885	140414.00		LM24805	173
5K967	131533.00		LM24716	17	6K970	140414.00		LM24805	173
2K568	131549.00		LM24717	17	6K631	120106.00		LM24806	8
6K146	131549.00		LM24717	17	3K996	101437.00		LM24812	180
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6K179	140684.00		LM24719	17	3N590	101448.00		LM24869	33
2K570	140120.00		LM24720	17	3N530	101449.00		LM24870	33
6K176	140120.00		LM24720	17	3KW25	121003.00		LM24871	33
1K080	112135.00	P03	LM24726	26	4LX01	121003.00		LM24871	33
2K671	112135.00		LM24726	26	5N784	121003.00		LM24871	33
2K380	110180.00	P03	LM24727	26	3N534	110429.00		LM24874	34

This information is furnished as a guide only.
Always check specific motor to determine
sutiability for direct replacement

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3KW28	121004.00		LM24875	34
3N013	121004.00		LM24875	34
3N044	121004.00		LM24875	34
4LW97	121004.00		LM24875	34
5N785	121004.00		LM24875	34
3M593	113292.00		LM24877	34
1Z876	100600.00		LM24879	61
3GC89	100601.00		LM24880	
1Z897	116784.00		LM24884	61
1Z911	110902.00		LM24889	61
1Z946	100375.00		LM24909	59
3N817	100375.00		LM24909	59
2N913	100048.00		LM24910	59
1Z955	100056.00		LM24911	59
3N818	100056.00		LM24911	59
2N914	100049.00		LM24912	59
3N683	100049.00		LM24912	59
2R950	110434.00		LM24913	59
1Z958	100378.00		LM24914	59
3N819	100378.00		LM24914	59
2N923	100050.00		LM24915	59
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3N820	110111.00		LM24916	59
3N028	110043.00		LM24917	59
3N685	110043.00		LM24917	59
1Z997	110437.00		LM24919	59
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2R922	114420.00		LM24923	60
3N823	114420.00		LM24923	60
3N849	101646.00		LM24929	43
3N350	101647.00		LM24930	43
2N925	110441.00		LM24931	43
3N351	100961.00		LM24932	43
3N874	101767.00	E02	LM24964	65
3N649	111630.00		LM24975	67
4N079	111630.00		LM24975	67
2Z347	110714.00	E01	LM25094	209
3GC91	110178.00		LM25095	209
2Z937	110715.00		LM25096	209
2Z981	110206.00		LM25097	209
3KW52	170009.60		LM29576	36
5N793	170009.60	C02	LM29576	36
3KW55	170013.60		LM29577	36
5N794	170013.60	C02	LM29577	36
3N929	170000.60		LM30273	
5N322	170000.60		LM30273	
5N319	170067.60	C02	LM31244	
3KW54	170036.60		LM32687	36
3N924	171574.60		LM32733	34
5N307	171574.60	C02	LM32733	34
5N308	131986.00		LM32734	35
3N925	171575.60		LM32735	35
5N310	171575.60	C02	LM32735	35
5N311	131988.00		LM32737	35
5N313	170145.60	C02	LM32738	
5N314	140753.00		LM32740	35
5N316	170146.60	C02	LM32742	35
5N317	140754.00		LM32743	35
3KW48	170032.60		LM32745	35
3KW51	170034.60		LM32747	36
4FN57	120921.00		LM32796	44
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5N773	120921.00		LM32796	44
5N795	120921.00		LM32796	44
4FN71	140756.00	C01	LM32804	46
4FN74	140755.00	C01	LM32808	47
2G703	140451.00	C01	LM32809	47
4FN75	140451.00	C01	LM32809	47
4FN60	120922.00		LM33123	44
5N294	120922.00		LM33123	44
5N774	120922.00		LM33123	44
5N798	120922.00		LM33123	44
4FN63	120923.00		LM33125	45
5N295	120923.00		LM33125	45
5N775	120923.00		LM33125	45
5N801	120923.00		LM33125	45
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4FN66	171320.60		LM60026	45
5N034	171320.60		LM60026	45
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5N776	171320.60		LM60026	45
5N804	171320.60		LM60026	45
5N805	171378.60		LM60027	45
4FM38	170140.60	C44	LM60036	47
4FN75	170140.60		LM60036	47
4N949	170140.60		LM60036	47
4N969	170140.60		LM60036	47
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5N779	170140.60		LM60036	47
5N813	170140.60		LM60036	47
4FM49	170037.60	C44	LM60046	48
4N917	170037.60		LM60046	48
4N944	170037.60		LM60046	48
5N264	170037.60		LM60046	48
5N824	170037.60		LM60046	48
4FM55	170041.60	C44	LM60052	49
4N919	170041.60		LM60052	49
4N929	170041.60	S05	LM60052	49
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2M168D	098000.00			282
2M503	098000.00			282
3VF70	098000.00			282
2M167	098002.00			282
2M501	098002.00			282
3VF68	098003.00			282
2M502	098004.00			282
2M509	098004.00			282
3VF69	098005.00			282
3VF71	098007.00			282
2M507	098008.00			282
3VF72	098009.00			282
2M169	098032.00			282
2M504	098032.00			282
2M508	098069.00			282
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5K460	100005.00			7
5K694	100005.00			7
5K444	100010.00	C12		13
6K120	100010.00			13
6K366	100010.00			13
3K093	100011.00			13
3K142	100011.00			13
3K199	100011.00			13
3K213	100011.00	C12		13
5K453	100011.00	C12		13
5K504	100011.00	C32		13
5K790	100011.00			13
2K519	100012.00	P01		13
2K774	100012.00	P01		13
3K095	100012.00			13
3K143	100012.00			13

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5K801	100012.00			13
6K376	100012.00			13
6K937	100012.00			13
4K531	100014.00			13
4K853	100014.00			13
5K446	100014.00	C12		13
5K448	100014.00			13
6K108	100014.00			13
2K773	100015.00	P01		13
4K856	100015.00			13
5K283	100015.00	C10		13
5K288	100015.00	C10		13
5K452	100015.00			13
5K454	100015.00			13
6K186	100015.00			13
6K775	100015.00	C10		13
4K859	100016.00			13
5K254	100016.00			13
2K651	100020.00			21
3K073	100026.00			21
4K027	100026.00			21
5K435	100026.00			21
3K171	100052.00			7
3K781	100052.00	C12		7
6K745	100052.00			7
3K173	100053.00			7
3K783	100053.00	C12		7
6K748	100053.00			7
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3K093	100064.00			13
5K453	100064.00			13
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6K397	100064.00			13
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6K236	100065.00			13
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3K148	100109.00			13
4K588	100109.00	P01		13
5K756	100109.00			13
6K438	100109.00	C12		13
6K490	100110.00	P03		13
5K989	100111.00	P01 C12		13
6K924	100111.00	C12		13
2K530	100115.00			7
2K533	100115.00			7
6K912	100115.00	C12		7
6K971	100115.00	C12		7
1D060	100116.00			7
4K928	100116.00			7
6K241	100116.00	P03		7
6K243	100116.00	P03		7
6K973	100116.00	C12		7
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3N487	100146.00			40
2K391	100204.00	H01		113
2K392	100204.00			113
2K409	100204.00	H01		113
3K801	100204.00	H01		113
3K803	100204.00			113
4K108	100204.00	H01		113
4K109	100204.00			113
5K657	100204.00			113
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6K571	100204.00	H01		113
6K573	100204.00			113
6K575	100204.00			113
2K393	100205.00			113
3K805	100205.00			113
4K110	100205.00			113
5K658	100205.00			113

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2K367	100207.00			113
2K397	100207.00	H01		113
2K398	100207.00			113
2K410	100207.00	H01		113
3K802	100207.00	H01		113
3K804	100207.00			113
5K660	100207.00			113
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6K704	100207.00			113
2K368	100208.00			113
2K399	100208.00			113
3K806	100208.00			113
5K661	100208.00			113
6K706	100208.00			113
3N026	100210.00			40
2K546	100338.00			7
5K987	100338.00	C12 P03		7
6K178	100338.00			7
6K958	100338.00			7
4N583	100446.00			33
3K094	100603.00			13
6K346	100603.00			13
2K394	100722.00			113
3K807	100722.00			113
4K111	100722.00			113
5K659	100722.00			113
6K690	100722.00			113
2K369	100723.00			113
2K400	100723.00			113
3K808	100723.00			113
3K985	100723.00			113
5K662	100723.00			113
6K709	100723.00			113
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3N026	100796.00	H01 P01		40
6K388	100802.00			237
3N855	100905.00			43
4N827	100905.00			43
2K590	100956.00			15
6K177	100956.00			15
3N856	100960.00			43
3K054	101015.00	C12		13
4K929	101015.00			13
5K308	101015.00	C12 P01		13
5K991	101015.00	C12 P01		13
6K244	101015.00	C12		13
6K927	101015.00	P01		13
5K671	101020.00	C12		191
5K554	101021.00	C12		191
3GC88	101051.00			209
3GC86	101052.00			
3K996	101119.00			180
4K120	101119.00			180
5K046	101119.00			180
3K995	101120.00			180
4K119	101120.00			180
5K044	101120.00			180
2K350	101159.00			180
3K994	101159.00			180
4K118	101159.00			180
5M078	101341.00			181
4K102	101405.00	F01		10
4K708	101405.00	P01 F01		10
1D065	101431.00			13
1D068	101432.00	P01		13
3K092	101432.00			13
2K253	101433.00			13

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2K579	101446.00	P02		15
2K648	101521.00			21
2K649	101522.00			21
2K650	101522.00			21
6K005	101522.00			21
2K653	101523.00			21
2K654	101523.00			21
3VG47	101524.00	C10		
6K862	101524.00			
3VG48	101525.00	C10		
6K867	101525.00			
3VG49	101526.00	C10		
6K891	101526.00			
3VG52	101527.00	C10		
6K863	101527.00			
3VG53	101528.00	C10		
6K868	101528.00			
3VG54	101529.00	C10		
6K893	101529.00			
4K103	101585.00	F01		10
4K715	101585.00	P01 F01		10
4K101	101602.00	F01		10
4K700	101602.00	P01 F01		10
6K397	101611.00			13
4N063	101637.00			115
4N064	101638.00			115
3N634	101640.00			40
3N634	101641.00	H07		40
3N635	101641.00			40
3N349	101649.00			55
3K015	101766.00			24
5K341	101766.00			24
3N088	101776.00			115
5U264	101776.00			115
1D070	101781.00			236
4K781	101781.00			236
5K286	101782.00	F01		236
2K588	102020.00	P03		15
3N695	102024.00	F04		69
4N087	102197.00			115
4N062	102198.00			115
2N915	102863.00	E01		65
3N686	102863.00			65
2K670	102866.00			24
6K975	102866.00			24
2K381	102871.00			24
3N874	103014.00			59
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6K354	107001.00	C10 C32		329
6K352	107002.00	C10 C32		329
6Z401	107003.00	C10 C32		329
6K351	107004.00	C10 C32		329
6K353	107005.00	C10 C32		329
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6Z403	107013.00	C10 C32		329
6K506	107014.00	C10 C32		329
6K383	107015.00	C10 C32		329
6K583	107016.00	C10 C32		329
6K375	107017.00	C10 C32		329
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4Z384	107026.00			329
4Z385	107027.00			329
4Z386	107028.00			329
4Z387	107029.00			329

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
4Z388	107030.00			329
4Z389	107031.00			329
6Z405	107032.00			329
4Z390	107033.00			329
4Z391	107034.00			329
4Z392	107035.00			329
4Z393	107036.00			329
4Z394	107037.00			329
2M168	108014.00			282
2M503	108014.00			282
2M507	108015.00			282
4Z524	108015.00			282
3VF73	108016.00			282
2M169	108018.00			282
2M504	108018.00			282
2M508	108019.00			282
4Z525	108019.00			282
3VF74	108020.00			282
3VF75	108021.00			282
2M170	108022.00			282
2M505	108022.00			282
2M506	108023.00			282
4Z378	108023.00			282
1F650	108226.00			142
1F648	108227.00			142
1F646	108228.00			142
1F644	108229.00			142
1F642	108230.00			142
1F640	108231.00			142
4Z379	108262.00			282
1F654	108423.00			142
1F652	108424.00			142
6Z791	108502.00			282
6Z406	108700.00			309
6Z407	108701.00			309
6Z408	108702.00			309
6Z409	108703.00			309
6Z410	108704.00			309
6Z411	108705.00			309
6Z412	108706.00			309
6Z413	108707.00			309
6Z414	108708.00			309
6Z415	108709.00			309
6Z416	108710.00			309
6Z417	108711.00			309
6Z418	108712.00			309
3K064	110007.00			13
3K097	110007.00			13
3K144	110007.00			13
6K321	110007.00			13
6K639	110022.00			16
2K572	110025.00			19
6K477	110025.00			19
2K573	110026.00			19
6K478	110026.00			19
2K655	110036.00	P02		21
3N488	110052.00			40
6K246	110054.00	C12		13
6K760	110054.00			13
6K408	110064.00			225
6K473	110065.00			225
6K409	110066.00			225
4K090	110090.00			171
3K175	110097.00			8
3K785	110097.00	C12		8
4K129	110097.00	P02		8
6K385	110097.00			8
6K754	110097.00			8
3K177	110110.00			8
3K786	110110.00	C12		8
6K614	110110.00			8
6K765	110110.00			8

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3N442	110143.00	E01		55	6K036	111074.00	E01		100
3N537	110143.00			55	6K734	111074.00	H03 C10		100
3N560	110143.00			55	6K738	111074.00	E01 C10		100
3N471	110144.00			65	2K620	111075.00	H03		100
3K785	110160.00			11	2K621	111075.00			100
6K754	110160.00			11	6K330	111075.00	E01		100
3K786	110161.00			11	6K829	111075.00			100
6K765	110161.00			11	3K795	111084.00			100
2Z380	110214.00				6K039	111084.00	C05		100
3K788	110222.00	C12		11	2K624	111085.00			100
6K779	110222.00			11	3K795	111085.00			100
6K773	110232.00			11	6K333	111085.00			100
6K248	110241.00				2K625	111086.00			100
6K873	110241.00				3K796	111086.00			100
6K249	110242.00				6K728	111086.00			100
6K874	110242.00				6K837	111086.00			100
6K266	110243.00				1K068	111095.00	E01		100
6K875	110243.00				1K071	111096.00			100
6K247	110278.00				1K070	111097.00			100
3VG51	110279.00	C10			1K069	111098.00			100
6K024	110279.00				2K622	111098.00			100
6K336	110279.00				2K633	111098.00			100
6K897	110279.00				3N469	111147.00			194
4K114	110280.00			113	3N647	111147.00			194
6K250	110281.00				3N470	111148.00			194
6K255	110282.00				3N648	111148.00			194
6K876	110282.00				3K095	111266.00			174
6K256	110283.00				3VF58	111266.00			174
6K877	110283.00				6K767	111267.00			174
6K267	110284.00				3K790	111275.00			11
6K878	110284.00				4M040	111321.00			174
3VG56	110285.00	C10			4K123	111323.00			174
6K337	110285.00				4M253	111323.00			174
6K899	110285.00				6K869	111323.00	C32		174
2K372	110286.00			113	6K563	111324.00			174
2K395	110288.00			113	6K981	111330.00			178
3K809	110288.00			113	4K058	111332.00	P03		176
3K978	110288.00			113	5U175	111332.00	P03		176
4K112	110288.00			113	4K023	111333.00	P02		176
5K469	110288.00			113	4K059	111333.00	P03		176
2K396	110289.00			113	5U176	111333.00	P03		176
4K113	110289.00			113	2Z828	111394.00			209
5K470	110289.00			113	2K574	111915.00			19
2K370	110292.00			113	6K810	111915.00			19
2K401	110292.00			113	3N370	111922.00			101
3K810	110292.00			113	5N103	111922.00			101
3K986	110292.00			113	3N369	111923.00			101
5K475	110292.00			113	5N098	111923.00			101
2K371	110293.00			113	5N099	111923.00			101
2K402	110293.00			113	3N860	111926.00			101
5K476	110293.00			113	5N090	111926.00			101
6K652	110362.00			8	3N368	111929.00	E01		101
6K773	110362.00			8	5N095	111929.00			101
6K182	110394.00	P03		224	5N096	111929.00			101
6K472	110423.00			225	3N858	111930.00			101
3N489	110433.00			40	5N088	111930.00			101
4N068	110446.00	E01		65	3N857	111931.00			101
3K096	110478.00			13	5N087	111931.00			101
6K347	110478.00			13	3N367	111932.00	E01		101
3K098	110479.00			13	5N092	111932.00	H03		101
6K365	110479.00			13	5N093	111932.00			101
2K258	110579.00			13	3GC49	111933.00			101
3K147	110579.00			13	3GC70	111934.00			101
6K324	110579.00			13	3N859	111935.00			101
1K072	110852.00			100	5N089	111935.00			101
2K636	110852.00			100	3GC51	111936.00			101
3K796	110934.00			100	3GC72	111937.00			101
6K040	110934.00	C05		100	3GC71	111938.00			101
6K041	110961.00	C05		100	5N097	111938.00			101
3K794	111074.00			100	3GC69	111940.00			101
3K973	111074.00	H03		100	5N094	111940.00			101
6K034	111074.00	H03 E01		100	3N861	111941.00			101

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5N091	111941.00			101
3GC75	111942.00			101
5N102	111942.00			101
3GC53	111943.00			101
2K261	111953.00			191
3K080	111953.00			191
5K423	111953.00	C12		191
2K264	111954.00	C10		191
2K776	111954.00	C10		191
3K081	111954.00			191
2K778	111955.00			191
3K083	111955.00			191
1K074	112136.00	E02		25
1K075	112136.00			25
5M283	112427.00	H01		135
5U202	112427.00	H01		135
5U203	112427.00			135
6N031	112427.00			135
5U204	112428.00			135
3N780	112429.00			136
3N772	112430.00			136
3N781	112430.00			136
5U220	112483.00			136
5U223	112484.00			136
5U227	112522.00			136
3N773	112524.00	E01		136
3N782	112524.00			136
5M259	112524.00			136
5U225	112524.00			136
4K260	112527.00			133
5U129	112527.00			133
4K261	112528.00			133
5U130	112528.00			133
4K262	112529.00			133
5U132	112529.00			133
4K121	112615.00			180
3N774	112643.00	E02		136
3N783	112643.00			136
4TF12	112643.00			136
5M258	112643.00			136
3N775	112644.00			136
3N784	112644.00			136
4TF07	112644.00			136
3N781	113019.00			134
3N828	113019.00	E01		134
5U211	113019.00			134
6N022	113019.00			134
6N030	113019.00			134
3N782	113020.00			134
3N829	113020.00	E01		134
5U212	113020.00			134
6N020	113020.00			134
6N029	113020.00			134
3N783	113021.00			134
3N831	113021.00	E01		134
5U214	113021.00			134
6N021	113021.00			134
6N028	113021.00			134
5M269	113022.00			134
5M270	113023.00			134
5M279	113023.00			134
5M271	113024.00			134
2K502	113027.00			13
5K432	113027.00	C12		13
5K922	113027.00			13
3N234	113028.00			116
3N680	113028.00	H07		116
3N235	113029.00			116
4N082	113029.00			116
3N236	113030.00			116
4N083	113030.00			116
3N681	113031.00			116

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3N682	113032.00			116
6K504	113266.00			8
2K351	113280.00			180
4K263	113300.00			133
5U134	113300.00			133
2K779	113373.00			191
3K084	113373.00			191
6K137	113373.00	C12		191
3N780	113473.00			134
3N827	113473.00	E01		134
5U210	113473.00			134
6N023	113473.00			134
5M288	113581.00	E02		133
5M289	113582.00	E02		133
4K999	113583.00			133
5U131	113583.00			133
4KC00	113584.00			133
5U133	113584.00			133
3N835	113586.00	E01		136
5M256	113586.00			136
5U219	113586.00			136
5M257	113587.00			136
5U222	113587.00			136
3N835	113588.00	E01		136
5M264	113588.00			136
5U218	113588.00			136
3N836	113589.00	E01		136
5M265	113589.00			136
5U221	113589.00			136
3N837	113590.00	E01		136
5M266	113590.00			136
5U224	113590.00			136
5M267	113591.00			136
5M277	113591.00	E01		136
5U228	113591.00			136
3N838	113592.00			136
3N833	113593.00	E01		134
5M280	113593.00	E01		134
2K259	113608.00			13
6K503	113630.00	C07		8
3K787	113632.00	C12		8
3K099	113633.00			13
6K805	113633.00			13
6K599	113639.00			114
6K600	113640.00			114
2K390	113641.00			114
6K880	113642.00			237
5K556	113643.00	C12		191
2K267	113672.00	C10		191
3VG50	113686.00	C10		
6K894	113686.00			
3VG55	113687.00	C10		
6K896	113687.00			
4K096	113766.00	E02 P02		15
4K097	113767.00	E02 P02		16
4K098	113768.00	E02 P02		16
4K099	113769.00	E02 P02		16
3N650	113890.00			67
4N065	113891.00			115
4N066	113892.00			115
4N067	113893.00			115
3N636	113895.00			40
3N637	113896.00			40
3N638	113897.00			40
2K386	113913.00	E02		226
2K631	113921.00	P02		226
6K950	113921.00			226
2K634	113922.00	P02		226
6K952	113922.00	P02		226
6K959	113923.00	P02		226
5M282	113954.00			134
2K382	113955.00			114

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6K596	113955.00	H01		114
6K597	113955.00			114
2K378	113956.00			114
6K598	113956.00			114
3GC57	113971.00			101
3N090	114203.00			115
5U265	114203.00			115
3N728	114204.00			116
4N080	114204.00			116
3N727	114205.00			116
4N078	114205.00			116
3N726	114206.00			116
4N076	114206.00			116
3N725	114207.00			116
4N074	114207.00			116
3N724	114208.00			116
4N072	114208.00			116
1Z914	114218.00			61
4N590	114304.00			227
5M285	114312.00	E02		133
5M290	114313.00	E02		133
5M286	114314.00	E02		133
5M292	114315.00	E02		133
5M287	114316.00	E02		133
5M291	114317.00	E02		133
3GC59	114419.00			101
4LW77	114560.00			153
4LW79	114561.00			153
4LW78	114562.00			153
4VZ23	114562.00			153
4LW80	114581.00			153
4TF08	114616.00			134
4M250	114620.00			193
3N696	114624.00	F04		69
3N863	114626.00			102
3GC60	114627.00			102
3N864	114628.00			102
3GC61	114629.00			102
3N865	114630.00			102
3GC63	114631.00			102
3N866	114632.00			102
3GC64	114633.00			102
3N867	114634.00			102
3GC66	114635.00			102
3GC81	114930.00			44
3N723	114931.00			116
4N070	114931.00			116
4UX54	114995.00			27
4UX69	115024.00			26
4UX39	115048.00			27
5M262	115751.00			135
4VZ06	116485.00			28
4VZ08	116486.00			28
4VZ10	116487.00			28
4VZ12	116488.00			173
4VZ36	116489.00	F04		173
2N942	116591.00	B22		44
2Z276	116595.00			34
4LX07	116595.00			34
1Z924	116631.00			62
4UX39	116707.00			23
5UX55	116709.00			23
1Z972	116728.00			59
5N967	116728.00	F04		59
1Z899	116785.00			61
5K480	120000.00	B22		8
6K424	120003.00			8
5K995	120004.00			8
6K422	120004.00			8
6K418	120008.00			16
3N872	120035.00			
2R918	120061.00	E02		

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1Z976	120063.00	E02		59
3N870	120081.00			
1Z995	120105.00	E02		
3N869	120172.00			
2K352	120374.00	P03		176
4K060	120374.00	P03		176
2K353	120375.00	P03 C10		176
4K061	120375.00	P03		176
2K354	120376.00	P03		176
4K062	120376.00	P03		176
4FG52	120554.00			11
6K794	120554.00			11
3N830	120760.00	E01		134
4LW76	120760.00			134
5U213	120760.00			134
6N024	120760.00			134
3N832	120761.00	E01		134
4LW72	120761.00	E01		134
4TF05	120761.00			134
6N025	120761.00			134
3N784	120762.00			
4TF06	120762.00			
5M281	120987.00	F07		
4K813	120992.00	C42		23
4LW67	121039.00			136
5M268	121039.00			136
5U232	121039.00			136
3N834	121040.00			134
4N605	121093.00			227
4N609	121095.00			227
4N601	121096.00			227
4LW81	121165.00			153
3GC58	121178.00			
2R924	121187.00			
5N169	121556.00	E02		259
4VZ02	121625.00	F04		173
1Z995	121668.00			
4TD52	121668.00			
2R918	121670.00			
4TD94	121670.00			
6K045	121680.00			26
1K082	121681.00			26
3N787	121850.00			
3N789	121851.00			
3N791	121852.00			
3N792	121854.00			
4Z380	128001.00			282
3N793	131562.00			
3N795	131563.00			
3N794	131574.00			
3N796	131576.00			
3N798	131577.00			
4TF09	131596.00			
4TF10	131597.00			
4FN82	131604.00	C34		120
4FN84	131605.00			120
4FN81	131640.00			120
4FN83	131641.00			120
4K092	131847.00			177
5N303	131971.00			34
5N305	131972.00			34
4FN97	132044.00			9
4K814	132083.00			23
2K347	140130.00			173
6K884	140130.00			173
6K969	140130.00			173
6K130	140203.00			173
6K883	140203.00			173
3N799	140619.00			
6K634	140680.00			9
6K628	140681.00			9
4FN22	150120.60	C44		

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4N962	150120.60			
4FN25	150121.60	C44		
4N961	150121.60			
4FN28	150239.60	C44		
4FN29	150239.60	C44 F15		
4N963	150239.60			
3KW45	170064.60			35
3KW40	170142.60			35
5N789	170142.60	C02		35
3KW42	170143.60			35
3KW43	170144.60			35
5N790	170144.60	C02		35
4FN11	170222.60	C44		
5N010	170222.60			
4RG20	174545.00			345
4RG21	174551.00			345
2M531	174552.00			345
5U197	174552.00			345
4RG22	174557.00			345
2M532	174558.00			345
5U198	174558.00			345
4RG23	174560.00			345
2M533	174561.00			345
5U199	174561.00			345
2M534	174563.00			345
5U200	174563.00			345
2M535	174565.00			345
5U201	174565.00			345
4RG27	174567.00			345
4RG24	174569.00			345
4RG25	174571.00			345
4RG29	174572.00			345
4RG28	174593.00			345
4RF87	174730.00			346
3HX70	174914.00			345
3HX71	174914.00			345
3ZP98	174914.00			345
3ZR01	174914.00			345
4RG15	174914.00			345
4RG34	174914.00			345
4RG35	174914.00			345
3HX72	174915.00			345
3ZP99	174915.00			345
3ZR02	174915.00			345
4RG16	174915.00			345
4RG36	174915.00			345
3HX73	174917.00			345
4RG17	174917.00			345
4RG37	174917.00			345
3HX74	174918.00			345
4RG18	174918.00			345
4RG38	174918.00			345
3HX75	174919.00			345
4RG19	174919.00			345
4RG39	174919.00			345
3HX76	174920.00			345
3KV66	174920.00			345
5U192	174920.00			345
3HX77	174921.00			345
5U193	174921.00			345
3HX78	174922.00			345
5U194	174922.00			345
3HX79	174923.00			345
5U195	174923.00			345
2M530	174924.00			345
5U196	174924.00			345
3KV65	174930.00			344
4RG30	174930.00			344
3KV62	174931.00			344
3KV67	174931.00			344
4RG31	174931.00			344
4RG32	174931.00			344
3KV63	174933.00			344
4RG33	174933.00			344
3KV64	174934.00			344
4RG41	174935.00			346
4RG43	174935.00			346
4RF79	174936.00			346
4RF82	174937.00			346
4RF85	174938.00			346
4RF80	174939.00			346
4RG44	174939.00			346
4RF83	174940.00			346
4RF86	174941.00			346
4RF88	174942.00			346
4X788	175026.00			284
3M276	175033.00			374
3M277	175034.00			374
3M278	175035.00			374
3M279	175036.00			374
3M280	175037.00			374
3M281	175038.00			374
3M282	175039.00			374
3M130	175091.00			374
3M131	175092.00			374
3M132	175093.00			374
3M367	175094.00			374
3K091	191868.00	C12		194
3K614	191868.00			194
5K907	191868.00	C12		194
5K914	191868.00	C12		194
5K915	191868.00	C12		194
6K553	191868.00	C12		194
6K716	191868.00	P01		194
3K615	191869.00			194
3ZP93	191869.00			194
3ZP94	191869.00			194
4K252	191869.00			194
5K221	191869.00	F01		194
5K413	191869.00	F01		194
5K917	191869.00	C12 P01		194
5K918	191869.00	C12		194
6K030	191869.00	F01		194
6K570	191869.00	C12		194
6K717	191869.00			194
6K744	191869.00			194
3K616	191870.00			194
4K259	191870.00			194
5K258	191870.00	F01		194
6K589	191870.00			194
6K763	191870.00	C12 P01		194
6K768	191870.00			194
4M255	191871.00			196
6K410	191871.00	E01		196
6K807	191871.00			196
4M254	191872.00			196
6K403	191872.00	E01		196
6K406	191872.00			196
6K406C	191872.00			196
6K806	191872.00			196
6K806A	191872.00			196
4M256	191873.00			196
6K405	191875.00	E01		196
6K411	191875.00			196
6K809	191875.00			196
6K809C	191875.00			196
4M196	191891.00			196
4M197	191893.00			196
2N980	G120010.00	B22		
3N390	G120010.00			
3N450	G120010.00			
3N655	G120010.00			
2N981	G120011.00	B22		
3N391	G120011.00			

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
3N451	G120011.00			
2N982	G120012.00	B22		
3N392	G120012.00			
3N452	G120012.00			
3N657	G120012.00			
4LX06	G120012.00			
2N933	G120014.00	B22		
3N509	G120014.00			
3N548	G120014.00			
4LW94	G120014.00			
4LX02	G120014.00			
2N934	G120015.00	B22		
3N510	G120015.00			
3N550	G120015.00			
4LW95	G120015.00			
4LW98	G120015.00			
2N935	G120016.00	B22		
3N511	G120016.00			
3N553	G120016.00			
4LW96	G120016.00			
4LX05	G120016.00			
2N996	G120076.00	B22		
3N544	G120076.00			
3N667	G120076.00			
4LW65	G120076.00			
2N997	G120077.00	B22		
2Z267	G120077.00			
3N668	G120077.00			
3ZP89	G120077.00			
2N946	G120086.00	B22		
3N551	G120086.00			
4LW63	G120086.00			
2N941	G120087.00	B22		
3N512	G120087.00			
3N549	G120087.00			
4LX04	G120087.00			
2N947	G120088.00	B22		
3GC84	G120088.00			
3N514	G120088.00			
3N546	G120088.00			
3N554	G120088.00			
4LW66	G120088.00			
2N988	G120089.00	B22		
3N675	G120089.00			
2N995	G120103.00	B22		
3N666	G120103.00			
2N948	G120185.00	B22		
3GC47	G120185.00			
3N761	G120185.00			
4LW68	G120185.00			
1Z918	G120275.00			
2R946	G120276.00			
3N344	G120276.00			
3GC78	G120387.00			
3N334	G120391.00			
5N111	G120391.00			
3N567	G120489.00			
5N107	G120489.00			
3N333	G120490.00			
4HZ72	G120490.00			
5N108	G120490.00			
5U206	G120585.00			
4TC72	G120586.00			
4LW69	G120587.00			
5M255	G120587.00	E02		
5U226	G120587.00			
4LW71	G120588.00			
4TF14	G120588.00			
4TC66	G120858.00			
3N839	G120911.00			
4RX46	G120911.00			

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
2R948	G120991.00			
1Z920	G121072.00			
4LW82	G121166.00			
3GC67	G121182.00			
4LW73	G121191.00			
1Z883	G121286.00	E02		
4LW86	G121286.00			
1Z905	G121287.00	E02		
2R942	G121287.00			
1Z901	G121290.00	E02		
2R940	G121290.00			
1Z883	G121650.00			
1Z905	G121651.00			
2N983	G130000.00	B23		
3N393	G130000.00			
3N453	G130000.00			
3N658	G130000.00			
2N984	G130004.00	B23		
3N394	G130004.00			
3N454	G130004.00			
3N659	G130004.00			
2N936	G130008.00	B23		
3N403	G130008.00			
3N515	G130008.00			
3N556	G130008.00			
4LX30	G130008.00			
3N676	G130010.00			
2N990	G130012.00	B23		
3N677	G130012.00			
3N517	G130015.00			
3N552	G130015.00			
2N943	G130016.00	B23		
3N518	G130016.00			
3N555	G130016.00			
2N937	G130027.00	B23		
3N404	G130027.00			
3N516	G130027.00			
3N558	G130027.00			
4LX31	G130027.00			
3KX06	G130103.00			
3N544	G130282.00			
3N669	G130282.00			
3N345	G130326.00			
4LX33	G130326.00			
3N346	G130328.00			
4LX34	G130328.00			
4TF03	G130662.00			
4TF04	G130663.00			
3N785	G130664.00			
4RR19	G130664.00			
4TF16	G130664.00			
4RR20	G131171.00			
4TF17	G131171.00			
2N992	G140122.00	B24		
3N679	G140122.00			
2N945	G140126.00	B24		
3N524	G140126.00			
3N570	G140126.00			
3N779	G140464.00			
4RR21	G140466.00			
3KW42	G140682.00			
3KW45	G140683.00			
3KX08	G140686.00			
3N408	G150000.60	C02		
3N398	G150006.60			
3N663	G150006.60	C02		
3N254	G150007.60	C02		
3N611	G150007.60			
3N737	G150007.60			
3N399	G150009.60			
3N664	G150009.60	C02		

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3N255	G150011.60	C02		
3N409	G150011.60	C02		
3N612	G150011.60			
3N738	G150011.60			
3N577	G150013.60	C02		
3N583	G150015.60	C02		
3N613	G150015.60			
3N739	G150015.60			
3N578	G150017.60	C02		
3N584	G150019.60	C02		
3N614	G150019.60			
3N740	G150019.60			
3N579	G150021.60	C02		
3N585	G150023.60	C02		
3N615	G150023.60			
3N741	G150023.60			
3N474	G150025.60	C02		
3N580	G150025.60	C02		
3N586	G150027.60	C02		
3N616	G150027.60			
3N742	G150027.60			
3N475	G150029.60	C02		
3N581	G150029.60	C02		
3N587	G150031.60	C02		
3N617	G150031.60			
3N743	G150031.60			
3N673	G150032.60	C02		
3N674	G150034.60	C02		
3N499	G150035.60	C02		
3N602	G150035.60			
3N755	G150035.60			
3N497	G150062.60	C02		
3N600	G150062.60			
3N753	G150062.60			
3N672	G150064.60	C02		
3N397	G150065.60			
3N662	G150065.60	C02		
3N073	G150066.60			
3N407	G150066.60	C02		
3N610	G150066.60			
3N736	G150066.60			
3VG06	G150079.60			
4TD85	G150079.60			
3VG07	G150080.60			
4TD86	G150080.60			
3VG08	G150081.60			
4TD88	G150081.60			
3VG09	G150082.60			
4TD90	G150082.60			
4TD91	G150083.60			
4TD92	G150084.60			
4TD93	G150085.60			
4TC28	G150086.60			
4TD94	G150086.60			
3N588	G150087.60	C02		
3N618	G150087.60			
3N744	G150087.60			
3VG05	G150102.60			
4TD84	G150102.60			
4TD83	G150103.60			
4TD87	G150106.60			
4TD89	G150108.60			
3N341	G150140.60	C02		
3N406	G150140.60	C02		
3N522	G150140.60	C02		
3N574	G150140.60	C02		
3N609	G150140.60			
3N735	G150140.60			
2N985	G150142.60	B24		
3N395	G150142.60			
3N455	G150142.60	C02		

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
3N660	G150142.60	C02		
3N003	G150143.60	B24		
3N671	G150143.60	C02		
2N986	G150144.60	B24		
3N396	G150144.60			
3N456	G150144.60	C02		
3N661	G150144.60	C02		
3N691	G150145.60			
3N692	G150146.60			
3N476	G150152.60	C02		
3N582	G150152.60	C02		
2N938	G150157.60	B24 C02		
3N405	G150157.60	C02		
3N521	G150157.60	C02		
3N572	G150157.60	C02		
3N608	G150157.60			
3N734	G150157.60			
4LX32	G150157.60	C02		
3N526	G150159.60	C02		
3N573	G150159.60	C02		
3N599	G150159.60			
3N752	G150159.60			
3N347	G150165.60	C02		
3VG03	G150165.60			
4LX35	G150165.60			
4TD80	G150165.60			
4TD79	G150166.60			
3N348	G150167.60	C02		
3VG04	G150167.60			
4TD82	G150167.60			
4TD81	G150168.60			
2N949	G150299.60	B23 C02		
3KV77	G151320.60			
3KV80	G151322.60			
4TD94	G151690.60			
4N866	G158000.00			
5N702	G158000.00			
4N868	G158001.00			
5N703	G158001.00			
4N870	G158010.00			
5N706	G158010.00			
3N331	G158140.00	C02		
4N869	G158140.00			
5N700	G158140.00			
3N330	G158157.00	C02		
4N883	G158157.00			
5N697	G158157.00			
4N882	G158158.00			
5N696	G158158.00			
4N865	G158159.00			
5N699	G158159.00			
5N693	G158319.00			
5N728	G158319.00			
3N291	G158362.00	C02		
5N691	G158362.00			
5N725	G158362.00			
3N329	G158366.00	C02		
5N694	G158366.00			
5N730	G158366.00			
5N073	G825001.00			
5N077	G825002.00			
5N074	G825004.00			
5N078	G825005.00			
5N075	G825007.00			
5N079	G825008.00			
5N080	G825010.00			
5N085	G825011.00			
5N076	G825013.00			
5N081	G825014.00			
4N867	G825039.00			
5N705	G825039.00			

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON			Lincoln Catalog #	LEESON Page #
5N711	G825040.00					
5N748	G825040.00					
4N873	G825041.00					
5N712	G825041.00					
5N714	G825042.00					
4N874	G825043.00					
5N715	G825043.00					
5N716	G825044.00					
4N871	G825045.00					
5N717	G825045.00					
5N708	G825046.00					
5N746	G825046.00					
4N872	G825047.00					
5N709	G825047.00					
4Z142	M1110003.00					286
4Z145	M1110006.00					294
6Z913	M1115000.00	K87	C30			301
6Z912	M1115001.00	K87	C30			301
6Z911	M1115002.00	K87	C30			301
6A193	M1115024.00					303
6A194	M1115025.00					303
4Z134	M1115026.00					303
4Z133	M1115027.00					303
4Z132	M1115028.00					303
4Z131	M1115029.00					303
4Z141	M1120013.00					286
4Z140	M1120027.00					286
1Z840	M1120039.00					286
4Z144	M1120040.00					294
4Z528	M1120042.00					286
1Z851	M1120043.00					286
4Z143	M1120044.00					294
1Z842	M1120045.00					286
4Z529	M1120046.00					294
6Z914	M1125002.00	K86	C30			301
6Z914	M1125003.00					301
6Z915	M1125003.00					301
6Z916	M1125005.00	K86	C30			301
6Z074	M1125050.00	E01	C29			321
4Z130	M1125069.00					303
4Z383	M1125070.00					303
4Z129	M1125071.00					303
4Z382	M1125072.00					303
4Z381	M1125073.00					303
4Z128	M1125074.00					303
1L536	M1125080.00	S08	S09	B36		330
1L538	M1125081.00	S08	S09	B36		330
1L535	M1125082.00	S08	S09	B36		330
1L534	M1125083.00	S08	S09	B36		330
1L533	M1125084.00	S08	S09	B36		330
6Z076	M1125127.00	E02	C29			321
6Z081	M1125128.00	E02	C29			321
6Z082	M1125129.00	E02				321
6Z083	M1125130.00	E02				321
6A197	M1125131.00	E02				321
1Z854	M1130053.00					286
4Z137	M1135038.00	S07	S10	K86		311
1L498	M1135042.00	S07	S08			311
1L499	M1135043.00	S07	S08			311
6A192	M1135069.00	S07	S10			311
2Z817	M1145023.00	C29	E01			323
4Z518	M1145023.00					323
4Z519	M1145024.00					323
6K303	M1145024.00	C29	E01			323
4Z520	M1145025.00					323
2Z818	M1145026.00	C29	E01			323
4Z521	M1145026.00					323
2Z841	M1145027.00	C29	E01			323
4Z522	M1145027.00					323
4Z523	M1145028.00					323
6Z816	M1145029.00					323
6Z817	M1145030.00					323
6K328	M1145031.00	C29	C32			323
6Z817	M1145031.00					323
6Z818	M1145031.00					323
6K329	M1145032.00	C29	C32			323
6Z819	M1145032.00					323
6K331	M1145033.00	C29	C32			323
6Z820	M1145033.00					323
6K332	M1145034.00	C29	C32			323
6Z821	M1145034.00					323
6K334	M1145035.00	C29	C32			323
6Z822	M1145035.00					323
IL501	M1145037.00					330
1L502	M1145038.00	S07	S08	C29		330
IL504	M1145039.00	S07	S08	C29		330
IL505	M1145040.00	S07	S08	C29		330
IL503	M1145082.00	S07	S08	C29		330
2A754	M1760003.00					332
4JV45	M1760007.00					332

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
.3318OS1BC56	100006.00		LM24570	7
.5018OS1BC56	100007.00		LM24551	7
.7518OS1BD56	100008.00		LM24502	7
.33180S1BC56CFL	100024.00		LM24571	21
.50180S1BC56CFL	100025.00		LM24555	21
.75180S1BD56CFL	100026.00			21
.2536OS3EA56	100027.00		LM24866	33
.3318OS3EA56	100028.00		LM24152	33
.5018OS3EA56	100029.00		LM24098	33
.7518OS3EB56	100030.00		LM24099	33
.33180S3EA56CFL	100048.00		LM24910	59
.50180S3EA56CFL	100049.00		LM24912	59
.7518OS3EB56CFL	100050.00		LM24915	59
.5036OS3EA56CFL	100056.00		LM24911	59
.3318OS1BC48	100116.00			7
.5036OS1BC48	100184.00		LM24465	7
.5036OS1BJPR56C	100204.00			113
.7536OS1BJPR56C	100205.00			113
.5036OS1BJPR56J	100207.00			113
.7536OS1BJPR56J	100208.00			113
.33360S1BC48	100336.00		LM24467	7
.5036OS1BC56	100337.00			7
.5018OS1BC48	100338.00			7
.7536OS1BB56	100340.00		LM24674	7
.33360S1BC56CFL	100354.00		LM24688	21
.50360S1BC56CFL	100356.00		LM24689	21
.75360S1BB56CFL	100357.00		LM24690	21
.33360S3EA56CFL	100375.00		LM24909	59
.7536OS3EB56CFL	100378.00		LM24914	59
.3318OS3EA56	100446.00			33
.3336OS3EA56C	100599.00		LM24277	61
.5036OS3EA56C	100600.00		LM24879	61
.05018OS3EA56C	100601.00		LM24880	
.7518OS3EB56C	100602.00		LM24267	61
.00136OS1BJPR56C	100722.00			113
.00136OS1BJPR56J	100723.00			113
.3318ES1BRBPFC4	100804.00		LM24448	174
.5036ES3EB56	100905.00			43
.5018ES3EB56	100913.00		LM24073	43
.7536ES3EB56	100960.00			43
.5018ES3EB56	100961.00		LM24932	43
.3318ES3EB56	101079.00		LM24107	43
.5018ES1BPFC56	101176.00			174
.3318ES1BPFC48	101253.00			174
.2518OS1BB48	101423.00		LM24458	7
.3318ES1RADB56N	101435.00		LM24462	180
.5018ES1RADB56N	101436.00		LM24463	180
.7518ES1RADB56N	101437.00		LM24812	180
.3336OS3EA56	101447.00		LM24867	33
.5036OS3EA56	101448.00		LM24869	33
.7536OS3EB56	101449.00		LM24870	33
.5036OS1BJPR56C	101524.00			
.7536OS1BJPR56C	101525.00			
00136OS1BJPR56C	101526.00			
.5036OS1BJP56J	101527.00			
.7536OS1BJP56J	101528.00			
00136OS1BJP56J	101529.00			
.7536OS3EJPR56J	101637.00			115
00136OS3EJPR56J	101638.00			115
.2518ES3EB56	101646.00		LM24929	43
.3318ES3EB56	101647.00		LM24930	43
.75180S1BD56C	101650.00		LM24699	23
.50180S1BC56C	101651.00		LM24697	23
.3318ES3EB56CFL	101769.00		LM24093	65
00136OS3EJPR56J	101775.00			115
.7536OS3EJPR56J	101776.00			115
.3336OS3EJPR56J	102197.00			115
.5036OS3EJPR56J	102198.00			115
.5036OS3EJPR56J	102199.00			115
.5018ES3EB56CFL	102860.00		LM24083	65
.5018ES1BB56CFL	102862.00		LM24599	24
.3336ES3EB56	102864.00		LM24736	24
.503ES1BB56CFL	102864.00		LM24736	24
.3336ES1BB56CFL	102870.00		LM24736	24
.5036ES1BB56C	102903.00		LM24725	26
.5036ES1BB56	102905.00		LM24706	15
.5018ES1BB56	102906.00		LM24627	15
.5018ES1BB56C	102907.00		LM24628	26
.2518ES1BB56C	102916.00		LM24723	26
.5018ES3EB56C	102917.00		LM24074	69
.3318ES3EB56C	102922.00		LM24114	69
.3336ES1BB56C	102929.00		LM24724	26
.3318ES1BB56C	102930.00		LM24600	26
.3318E1BB56	102931.00		LM24597	15
.7536OS3EB56C	102971.00		LM24882	61
.33180S1BC48C	103023.00			23
.50360S1BC56C	103024.00			23
.75360S1BB56C	103025.00			23
00118OS1BD56	110004.00		LM24580	8
00158OS1BF56	110005.00		LM24583	8
.7518ES1BB56	110013.00		LM24607	16
.5012OS3EB56	110027.00		LM24146	33
.7512OS3ED56	110028.00		LM24162	33
00118OS3EB56	110029.00		LM24111	33
.7518ES3EB56	110034.00		LM24075	43
00118ES3ED56	110035.00		LM24078	44
0018OS3EB56CFL	110043.00		LM24917	59
00158OS3ED56CFL	110044.00		LM24160	59
.7518ES3EB56CFL	110047.00		LM24077	65
.00118ES3ED56CFL	110048.00		LM24080	66
.7518ES1BB56CFL	110057.00		LM24613	24
00118ES1BD56CFL	110058.00		LM24614	25
00136ES1BD56	110059.00		LM24708	16
.5018ES1RFDB56	110086.00		LM24790	171
.7518ES1RFDB56	110087.00		LM24791	171
00118ES1RFDDB56	110088.00		LM24792	171
00158ES1RFDF56H	110089.00		LM24794	171
00218ES1RFDF145T	110090.00			171
00156ES1BD56	110094.00		LM24531	16
0013OS3EB56CFL	110111.00		LM24916	59
00158ES3ED56CFL	110125.00		LM24112	66
00136ES3ES3EB56	110145.00		LM24094	44
00136OS1BCDB56	110160.00			11
00156OS1BCDD56	110161.00			11
.5012ES3EB56CFL	110163.00		LM24128	65
00136ES1BD56C	110180.00		LM24727	26
.00136ES3EB65C	110181.00		LM24126	69
00156ES3EB56CFL	110192.00		LM24096	66
0018ES1BD56	110209.00		LM24610	16
001180S1BD56CFL	110220.00		LM24586	21
0033OS1BCDF56	110222.00			11
00236OS1BCDD56	110232.00			11
00158ES1BF56	110253.00		LM24513	16
.7536ES1BB56	110276.00		LM24707	16
.00336OS1DJPR56C	110280.00			113
.5036OS1BJP56J	110281.00			
.7536OS1BJPR56J	110282.00			
00136OS1BJPR56J	110283.00			
0015OS1BJPR56J	110284.00			
00236OS1BJPR56J	110285.00			
.00336OS1DJPR56J	110286.00			113
.00156OS1BJPR56C	110288.00			113
.00236OS1BJPR56C	110289.00			113
.00156OS1BJPR56J	110292.00			113
.00236OS1BJPR56J	110293.00			113
.7536ES3EB56	110313.00		LM24133	43
00236ES1BF56	110352.00		LM24534	17
.5012ES3EB56	110353.00		LM24105	43
00136OS1BD56	110360.00		LM24525	8
00156OS1BD56	110361.00		LM24524	8
002360S1BF56	110363.00		LM24624	8
001360S1BD56CFL	110384.00		LM24526	21
001560S1BD56CFL	110387.00		LM24523	22
001580S1BF56CFL	110388.00		LM24587	22

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002360S1BF56CFL	110390.00		LM24527	22
.7512ES1BF56	110400.00		LM24497	16
.5012ES1BD56CFL	110411.00		LM24737	24
.7536ES1BB56CFL	110413.00		LM24738	24
.7512ES1BF56CFL	110414.00		LM24739	24
00136ES1BD56CFL	110416.00		LM24740	25
00156ES1BD56CFL	110419.00		LM24535	25
00158ES1BF56CFL	110420.00		LM24622	25
00236ES1BF56CFL	110422.00		LM24530	25
.3312OS3EA56	110425.00		LM24868	33
00136OS3EB56	110426.00		LM24155	33
00156OS3ED56	110429.00		LM24874	34
00158OS3ED56	110430.00		LM24117	34
.50120S3EB56CFL	110434.00		LM24913	59
00156OS3ED56CFL	110437.00		LM24919	59
00158ES3ED56	110444.00		LM24118	44
.3336ES3EB56CFL	110446.00			65
.7536ES3EB56CFL	110448.00		LM24151	65
00218ES3EF56CFL	110451.00		LM24084	66
00156ES3EB56	110745.00		LM24144	44
00118OS3EB56C	110901.00		LM24346	61
00158OS3ED56C	110902.00		LM24889	61
.7518ES1BB56C	110905.00		LM24615	26
00118ES1BD56C	110908.00		LM24616	26
00156ES1BD56C	110909.00		LM24539	26
00158ES1BF56C	110910.00		LM24728	26
0018ES3ED56C	110912.00		LM24079	69
.5012ES3EB56C	110914.00		LM24104	69
.7536ES3EB56C	110915.00		LM24134	69
.7518ES3EB56C	110916.00		LM24076	69
00156ES3EB56C	110917.00		LM24135	70
00158ES3ED56C	110918.00		LM24095	70
0118ES1BRBPFD56	111267.00			174
00236ES3ED56CFL	111273.00		LM24132	66
00536OS1CCDG56	111275.00			11
00158OS3ED56	111309.00			34
00218OS3EF56	111310.00			34
.5018ES1BRBPFC56	111323.00			174
.7518ES1BRBPFB56	111324.00			174
00336ES3EF56CFL	111630.00		LM24975	67
00236ES3ED56	111916.00		LM24347	45
.7536ES1BB56C	112135.00		LM24726	26
.7512ES3ED56CFL	112378.00		LM24153	65
00112ES3EF56CFL	112379.00		LM24130	66
00218OS3EF56	113025.00		LM24106	34
00218ES3EF56	113026.00		LM24097	45
.7536ES3EJP56J	113028.00			116
00136ES3EJP56J	113029.00			116
00156ES3EJP56J	113030.00			116
00236ES3EJP56J	113031.00			116
00336ES3EJP56J	113032.00			116
.3318ES1RFDB56	113256.00		LM24789	171
02180S1BG56C(W/O MROL)	113281.00			23
00236OS3ED56	113292.00		LM24877	34
00336OS3EF56	113293.00		LM24878	34
00118ES1RADD56N	113301.00		LM24814	180
00118ES1RADD56N	113302.00		LM24813	180
.5036ES1BJP56J	113637.00			114
.7536ES1BJP56J	113638.00			114
00136ES1BJPR56J	113639.00			114
00156ES1BJPR56J	113640.00			114
00236ES1BJPR56J	113641.00			114
00156OS1BJPR56C	113686.00			
00156OS1BJP56J	113687.00			
00156OS3EJPR56J	113891.00			115
00236OS3EJPR56J	113892.00			115
00336OS3EJPR56J	113893.00			115
00236OS3ED56CFL	113894.00		LM24921	60
00236ES3ED56C	113927.00		LM24121	70
001180S1BD56C	113930.00		LM24700	23
00236ES1BF56C	113931.00		LM24729	27

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001580S1BF56C	113932.00		LM24701	23
0012ES3EF56	113933.00		LM24159	44
00158ES1RFD145T	113938.00		LM24795	171
.5036ES1BJPR56J	113955.00			114
.7536ES1BJPR56J	113956.00			114
00136ES1BJP56J	113957.00			114
0015ES1BJP56J	113958.00			114
00236ES1BJP56J	113959.00			114
.5036ES3EB56C	114142.00		LM24129	69
.5036ES3EB56CFL	114176.00		LM24138	65
00336OS3EJPR56J	114201.00			115
00236OS3EJPR56J	114202.00			115
00136OS3EJPR56J	114203.00			115
00336ES3EJPR56J	114204.00			116
00236ES3EJPR56J	114205.00			116
00156ES3EJPR56J	114206.00			116
00136ES3EJPR56J	114207.00			116
.7536ES3EJPR56J	114208.00			116
00236OS3ED56C	114218.00			61
00336OS3EF56CFL	114420.00		LM24923	60
000336ES3EF56	114614.00			45
0036EP3ERS182TC	114615.00		LM24953	71
.5036ES3EJPR56J	114931.00			116
00158OS3ED56	115825.00			34
00218OS3EF56	115826.00			34
00118OS3EB56	115827.00			33
00218ES3EF56	115828.00			45
00158ES3ED56	115829.00			44
00118ES3ED56	115830.00			44
00218ES3EF56C	116106.00		LM24081	70
.7512ES3ED56C	116340.00		LM24140	69
00218OS3EF56C	116630.00		LM24345	61
.7512OS3EB56CFL	116728.00			59
00118ET3ERS143TC	116745.00			69
00158ET3ERS145TC	116746.00			70
00218ET3ERS145TC	116747.00			70
00136ES3EB56CFL	116748.00			66
0013601BD56C	116769.00			23
001560S1BD56C	116770.00			23
0023600S1BF56C	116771.00			23
00136OS3EB56C	116784.00		LM24884	61
00156OS3ED56C	116785.00			61
0018ES1E143T	120025.00		LM24709	16
00158ES1E145T	120026.00		LM24711	16
00236ES1E145T	120036.00		LM24712	17
00218OS1BG56	120067.00		LM24677	8
00156ES1E143T	120130.00		LM24710	16
00336ES1E145T	120341.00		LM24714	17
00118ET3ER143T	120921.00		LM32796	44
00118OT3E143T	121003.00		LM24871	33
00158OT3E145T	121004.00		LM24875	34
00218OT3EN145T	121005.00		LM24169	34
.7512ES3ED56	121009.00		LM24103	43
00118ET3ERS143TC	121179.00		LM32822	69
00158EP3ERS145TC	121180.00		LM32825	70
00218ET3ERS145TC	121181.00		LM32829	70
00218ES1E145T	121507.00			17
00156OT3E143T	121514.00		LM32727	34
00236OT3E145T	121515.00		LM33137	34
00336OT3E145T	121516.00		LM32731	34
00112OT3E145T	121517.00		LM24872	33
00118ES1RFD143T	121569.00		LM24793	171
00156EP3ERS143TC	121672.00		LM32824	70
00236ET3ERS145TC	121673.00		LM32828	70
00156XP3E143T	121914.00			101
00158XP3E145T	121915.00			101
00236XP3E145T	121916.00			101
00218XP3E145T	121917.00			101
00336OS3EF56C	121928.00		LM32770	62
00118EP3E143TC	121936.00			69
00118ET3H143T	121937.00		LM24109	209
00112ET3H145T	121938.00			209

This information is furnished as a guide only.
Always check specific motor to determine
sutiability for direct replacement

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00156ET3H143T	121939.00		LM25102	209
00158ET3H145T	121940.00		LM24142	209
00236ET3H145T	121941.00		LM25103	209
00218ET3H145T	121942.00		LM24108	209
00318ET3ERS182T	131463.00		LM32741	45
00518ET3ERS184T	131464.00		LM15650	46
00518ET3ES184TC	131502.00		LM16747	71
00318ET3ERS182TC	131504.00		LM16742	71
00318OT3E182T	131519.00		LM24222	34
00518OT3E184T	131520.00		LM24202	35
00152ES1E182T	131526.00			16
00318ES1E184T	131533.00		LM24716	17
00318OS1D184T	131534.00		LM24680	9
00518OS1C184T	131537.00		LM24682	9
00518ES1E184T	131538.00		LM24718	17
00218ES1RFDF182T	131541.00		LM24796	171
00318ES1DFD184T	131542.00		LM24801	171
00518ES1DFD184T	131543.00		LM24798	171
00536ES1E184T	131549.00		LM24717	17
00536OS1D184T	131616.00		LM24681	9
518OS1CCDOL184T	131622.00			9
00336OS1D182T	131636.00		LM24679	9
00336ES1E182T	131637.00		LM24715	17
00152OT3E182T	131971.00			34
00212OT3E184T	131972.00			34
00152ET3E182T	131980.00		LM15648	44
00212ET3E184T	131981.00		LM15651	45
00336ET3E182T	131985.00		LM15646	45
00536OT3E182T	131986.00		LM32734	35
00536ET3E184T	131987.00		LM15649	46
00736OT3E184T	131988.00		LM32737	35
00336ET3ERS182TC	132079.00		LM16741	71
00536ET3ERS184TC	132080.00		LM16745	71
00212ET3ERS184TC	132243.00		LM32830	70
00152ET3H183T	132251.00		LM17059	209
00212ET3H184T	132252.00		LM17062	209
00318ET3H182T	132253.00		LM16384	210
00536ET3H184T	132254.00		LM16386	210
00518ET3H184T	132255.00		LM17067	210
00718ES1E215T	140120.00		LM24720	17
00718OS1CCD215T	140155.00		LM24683	9
00718ET3ERS213T	140450.00		LM16029	46
01018ET3ERS215T	140451.00		LM32809	47
00718OT3E213T	140470.00		LM24194	35
01018OT3E215T	140472.00		LM24193	35
00718ET3ERS213TC	140521.00		LM32838	71
01018ET3ERS215TC	140522.00		LM32841	72
01018ES1E215T	140581.00		LM24722	17
00736OS1C184T	140680.00			9
00736ES1E213T	140684.00		LM24719	17
01036ES1E215T	140685.00		LM24721	17
01018ES1DFD215T	140706.00			171
00718ES1DFD215T	140707.00		LM24799	171
00212ES1E213T	140747.00			17
01036OT3E213T	140753.00		LM32740	35
01036ET3ERS215TC	140769.00		LM32840	72
00736ET3ERS213TC	140770.00		LM16750	71
00312ET3ERS213TC	140834.00		LM32833	71
00718ET3H213T	141116.00		LM16391	210
02509EP3E326T	150265.22			
02012OT3E286T	170000.60		LM30273	
02012ET3E286T	170001.60		LM15796	47
02512OT3E324T	170002.60		LM13809	
02512ET3E324T	170003.60		LM13696	48
03012OT3E326T	170004.60		LM13810	36
03012ET3E326T	170005.60		LM60048	48
02018OT3E256T	170006.60		LM24199	35
02018ET3E256T	170007.60		LM24207	47
02518OT3E284T	170009.60		LM29576	36
02518ET3E284T	170011.60		LM15792	48
03018OT3E286T	170013.60		LM29577	36
03018ET3E286T	170015.60		LM13964	48

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04018OT3E324T	170017.60		LM13811	36
04018ET3E324T	170019.60		LM13699	49
05018OT3E326T	170021.60		LM13813	36
05018ET3E326T	170023.60		LM19753	49
06018OT3E364T	170025.60		LM14813	36
06018ET3E364T	170027.60		LM14809	49
07518OT3E365T	170029.60		LM14815	37
07518ET3E365T	170031.60		LM14811	50
02036OT3E254T	170032.60		LM32745	35
02036ET3E256T	170033.60		LM15673	47
02536OT3E256T	170034.60		LM32747	36
02536ET3E284TS	170035.60		LM13960	48
03036OT3E284TS	170036.60		LM32687	36
03036ET3E286TS	170037.60		LM60046	48
04036OT3E286TS	170038.60		LM13969	36
04036ET3E324TS	170039.60		LM19749	49
05036OT3E324TS	170040.60		LM13812	36
05036ET3E326TS	170041.60		LM60052	49
06036OT3E326TS	170042.60		LM13814	36
06036ET3E364TS	170043.60		LM14808	49
07536OT3E364TS	170044.60		LM13945	37
07536ET3E365TS	170045.60		LM14810	50
01536ET3E254T	170062.60		LM15890	47
01536OT3E215T	170064.60			35
01518OT3E254T	170065.60		LM24190	35
01518ET3E254T	170066.60		LM24208	47
01512OT3E284T	170067.60		LM31244	
01512ET3E284T	170068.60		LM15793	47
10018ET3E405T	170087.60		LM19762	50
04012ET3E364T	170096.60		LM13918	49
05012ET3E365T	170097.60		LM19754	49
06012ET3E404T	170098.60		LM13938	49
07512ET3E405T	170099.60		LM60060	50
01512ET3E284TC	170104.60			72
LM16764	170104.60			72
03036ET3E286TC	170108.60		LM16773	73
04036ET3E324TSC	170110.60		LM13725	73
05036ET3E326TSC	170112.60		LM13727	73
06036ET3E364TSC	170114.60		LM15562	73
01518ET3H354T	170116.60		LM16400	211
0208ET3H256T	170117.60		LM15919	211
02518ET3H384T	170118.60		LM16407	211
03018ET3H286T	170119.60		LM19595	211
04018ET3H324T	170120.60	F33	LM14396	211
05018ET3H326T	170121.60		LM14411	211
00712ET3E254T	170122.60		LM15892	46
01012ET3E256T	170123.60		LM15675	47
00712ETRS3E254TC	170138.60		LM16753	71
01012ET3E356TC	170139.60		LM16759	72
01018ET3E215T	170140.60		LM60036	47
00718OT3E213T	170142.60			35
01018OT3E215T	170144.60			35
00712OT3E254T	170145.60		LM32738	
01012OT3E256T	170146.60		LM32742	35
04012OT3E364T	170147.60		LM13924	36
05012OT3E365T	170148.60		LM13927	36
06012OT3E404T	170149.60		LM13944	36
07512OT3E405T	170150.60		LM13947	37
10036OT3E365TS	170151.60		LM14814	37
10018OT3E404T	170152.60		LM13943	37
12536OT3E404TS	170154.60		LM13942	37
12518OT3E405T	170155.60		LM13946	37
00718ET3E213T	170157.60		LM24209	46
00736ET3E213T	170158.60		LM15878	46
01036ET3E215T	170159.60		LM15861	47
10036ET3E405TS	170160.60		LM13939	50
00718ET3E213TC	170165.60		LM16752	71
00736ET3E313TC	170166.60		LM62085	71
01018ET3E215TC	170167.60		LM62026	72
01036ET3E215TC	170168.60		LM62025	72
000736ET3H213T	170196.60		LM16389	210
01036ET3H215T	170197.60		LM16394	210

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01536ET3H354T	170198.60	C02	LM17075	211
0236ET2H256T	170199.60		LM16403	211
0108ET3H215T	170212.60	C02	LM17073	210
02536ET3H284TS	170224.60		LM16406	211
03036ET3H286TS	170228.60		LM20085	211
04036ET3H324TS	170232.60		LM14407	211
06018ET3H364T	170239.60		LM18369	212
07518ET3H365T	170244.60		LM18372	212
10018ET3H405T	170253.60		LM18292	212
10012OT3E444T	170255.60		LM13815	37
10012ET3E444T	170256.60		LM13702	50
12512OT3G445T	170259.60		LM13816	37
12512ET3E445T	170260.60		LM13705	50
20018ET3G447T	170352.60		LM16230	51
12518ET3E444T	170369.60		LM60065	50
15018ET3G445T	170371.60		LM13707	51
07536ET3E365TSC	171115.60		LM15566	73
00512ET3E215TC	171116.60		LM32835	71
15012ET3G447T	171315.60		LM16231	51
20012ET3G447T	171316.60		LM60072	51
00318ET3E182T	171320.60		LM60026	45
00518ET3E184T	171322.60		LM24195	46
00312ET3E213T	171378.60		LM60027	45
00512ET3E215T	171379.60		LM15883	46
00536ET3E184TC	171446.60		LM62019	71
15036OT3G405TS	171449.60		LM13945	37
15018OT3G444T	171522.60		LM13817	37
20018OT3G445T	171523.60		LM13820	37
0036ET3E182TC	171564.60		LM62016	71
00318ET3E182TC	171565.60		LM62017	71
00518ET3E184TC	171566.60		LM62020	71
20036OT3G444TS	171573.60		LM13819	37
00312OT3E213T	171574.60		LM32733	34
00512OT3E215T	171575.60		LM32735	35
15012OT3G445T	171576.60		LM13818	37
20012OT3G447/9T	171577.60		LM16239	37
15036ET3G445TS	171578.60		LM13706	51
20036ET3G447TS	171579.60		LM16229	51
12536ET3G444TS	171580.60		LM60064	50
01536ET3E254C	171586.60		LM16761	72
01518ET3E254TC	171587.60		LM16762	72
02036ET3E256TC	171588.60		LM62031	72
02018ET3E256TC	171589.60		LM62032	72
LM16767	171589.60		LM62032	72
02536ET3E284TSC	171590.60		LM32659	72
02518ET3E284TC	171591.60		LM62035	72
03018ET3E286TC	171592.60		LM16744	73
04018ET3E324TC	171593.60		LM62041	73
05018ET3E326TC	171594.60		LM62044	73
06018ET3E364TC	171595.60		LM62047	73
07518ET3EE365TC	171596.60		LM15567	73
10018ET3E405TC	171597.60		LM15263	74
00336ET3H182T	171624.60	F07		210
00118ET3E143T	171640.60		LM24102	44
00156ET3E143T	171642.60		LM15854	44
00112ET3E145T	171643.60		LM15856	44
00158ET3E145T	171646.60		LM25267	44
00218ET3E145T	171647.60		LM24127	45
00236ET3E145T	171648.60		LM15857	45
.3318EP3ESS56C	191201.00			156
.3318EP3ESS56CFL	191202.00			157
.5036EP3ESS56C	191203.00			156
.5018EP3ESS56C	191204.00			156
.5018EP3ESS56CFL	191205.00			157
.7536EP3ESS56C	191206.00			156
.7518EP3ESS56C	191207.00			156
.7518EP3ESS56CFL	191208.00			157
.00136EP3ESS56C	191209.00			156
00118EP3ESS56CFL	191213.00			157
00156EP3ESS56C	191215.00			156
00158EP3ESS56C	191217.00			156
00158EP3ESS56CFL	191219.00			157

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
00236EP3ESS56C	191221.00			156
00218EP3ESS56C	191223.00			156
00218EP3ESS56CFL	191225.00			157
00118NP3ESS56CFL	191290.00			157
001O8NP3ESS56C	191291.00			156
EP3ESS56C	191414.00			156
.7512EP3ESS56C	191415.00			156
.5012EP3ESS56CFL	191419.00			157
.7512EP3ESS56CFL	191420.00			157
00118EP3ESS143TC	191487.00			156
00156EP3ESS143TC	191488.00			156
00236EP3ESS145TC	191490.00			156
00218EP3ESS145TC	191491.00			156
00336EP3ESS182TC	191492.00			156
.1836EP3EAL63	192010.00			266
.1818EP3EAL63	192011.00			266
.1812EP3EAL71	192012.00			266
.2536EP3EAL63	192020.00			266
.2518EP3EAL71	192021.00			266
.2512EP3EAL71	192022.00			266
.3736EP3EAL71	192030.00			266
.3718EP3EAL71	192031.00			266
.3712EP3EAL80	192032.00			266
.5536EP3EAL71	192040.00			266
.5518EP3EAL80	192041.00			266
.5512EP3EAL80	192042.00			266
.7536EP3EAL80	192050.00			266
.7518EP3EAL80	192051.00			266
00136EP3EAL80	192060.00			266
.7512EP3EAL90S	192200.00			266
00118EP3EAL90S	192202.00			266
00236EP3AL90L	192209.00			266
002118EP3EAL100L	193301.60			266
00212EP3E112M	193302.60			266
00336EP3EAL100L	193303.60			266
00318EP3EAL100L	193304.60			266
00312EP3AL132S	193305.60			266
000436EP3EAL112M	193306.60			266
000418EP3EAL112M	193307.60			266
000412EP3EAL132M	193308.60			266
00536EP3EAL132S	193309.60			266
00518EP3EAL132S	193310.60			266
00512EP3EAL132M	193311.60			266
00512EP3EAL132M	193312.60			266
00718EP3EAL132M	193313.60			266
00712EP3E160M	193314.60			266
01136EP3E160M	193315.60			266
01118EP3E160M	193316.60			266
01112EP3E160L	193317.60			266
01536EP3E160M	193318.60			266
01518EP3E160L	193319.60			266
01512EP3E180L	193320.60			266
01836EP3E160L	193321.60			266
01818EP3E180M	193322.60			266
01812EP3E200L	193323.60			266
02236EP3E180M	193324.60			266
02218EP3E180L	193325.60			266
02212EP3E200L	193326.60			266
03036EP3E200L	193327.60			266
03018P3E200L	193328.60			266
03012EP3E225S/M	193329.60			266
03736EPE200L	193330.60			266
03718EP3E225S/M	193331.60			266
03712EP3E205S/M	193332.60			266
00118ST3QIE143T	811541.00			89
00156ST3QIE143T	811542.00			89
00158ST3QIE145T	811543.00			89
00236ST3QIE145T	811544.00			89
00218ST3QIE145T	811545.00			89
00336ST3QIE182T	811546.00			89
00318ST3QIE182T	811547.00			89
00536ST3QIE184T	811548.00			89

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Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
00518ST3QIE184T	811549.00			89
00736ST3QIE213T	811550.00			89
00718ST3QIE213T	811551.00			89
01036ST3QIE215T	811552.00			89
01018ST3QIE215T	811553.00			89
01536ST3QIE254T	811554.00			89
01518ST3QIE254T	811555.00			89
02036ST3QIE256T	811556.00			89
02018ST2QIE256T	811557.00			89
02536ST3QIE284TS	811558.00			89
02518ST3QIE284T	811559.00			89
03036ST2QIE286TS	811560.00			89
03018ST3QIE286T	811561.00			89
04036ST3QIE324TS	811562.00			89
04018ST3QIE324T	811563.00			89
05018ST3QIE326T	811564.00			89
05036ST3QIE326TS	811564.00			89
06036ST3QIE364TS	811566.00			89
06016ST3QIE364T	811567.00			89
07536ST3QIE365TS	811568.00			89
07518ST3QIE365T	811569.00			89
10036ST3QIE405TS	811570.00			89
10018ST3QIE405T	811571.00			89
00518XT3E184TC	825071.00			102
00718XT3E213TC	825073.00			102
01018XT3E215TC	825075.00			102
01518XT3E254TC	825077.00			102
02018XT3E256TC	825079.00			102
02518XT3E284TC	825081.00			102
03018XT3E286TC	825082.00			102
04018XT3E324TC	825083.00			102
05018XT3E326TC	825084.00			102
00318XT3E182T	825085.00			103
00536XT3E184T	825086.00			103
00518XT3E184T	825087.00			103
00736XT3E213T	825088.00			103
00718XT3E213T	825089.00			103
01036XT3E215T	825090.00			103
01018XT3E215T	825091.00			103
01536XT3254T	825092.00			103
01518XT3E254T	825093.00			103
02036XT3E256T	825094.00			103
02018XT3E256T	825095.00			103
02536XT3E284TS	825096.00			103
02518XT3H284T	825097.00			103
03036XT3E286TS	825098.00			103
03018XT3E286T	825099.00			103
04036XT3E324TS	825100.00			103
04018XT3E324T	825101.00			103
05036XT3E326TS	825102.00			103
05018XT3E326T	825103.00			103
06036XT3E364TS	825104.00			103
06018XT3E364T	825105.00			103
07536XT3E365TS	825106.00			103
07518XT3E365T	825107.00			103
10036XT3E495TS	825108.00			103
10018XT3E405T	825109.00			103
12536XT3G444TS	825110.00			103
12518XT3E444T	825111.00			103
15036XT3G4445TS	825112.00			103
15018XT3E445T	825113.00			103
00336XT3E182TC	825125.00			102
00318XT3E182TC	825126.00			102
00118EP3ERSR143TC	G120024.00		LM24080	66
00158EP3ERSR145TC	G120037.00		LM24149	66
00218EP3ERS145TC	G120038.00		LM24125	66
00236EP3ERSR145TC	G120061.00		LM32678	66
00112EP3ERSR145TC	G120098.00		LM32846	66
00156EP3ERSR143TC	G120105.00		LM32810	66
00158ES3EBM145T	G120329.00			258
00218ES3EBM145T	G120330.00			258
0012ES3EBM145T	G121050.00			258

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00218EP3ER145TC	G121178.00			101
0018ES3EBM143T	G121679.00			258
0018ESEBM143T	G121679.00			258
00158OP3E145JP	G121846.00			119
00218OP3E145JP	G121847.00			119
00336OP3E145JP	G121849.00	C56		119
00118OP3E143JM	G121850.00			121
00158P3E145JM	G121851.00			121
00218OP3E145JM	G121852.00			121
00236OP3E145JM	G121853.00			121
00336OP3E145JM	G121854.00			121
00118EP3E143JM	G121855.00			122
00158EP3E145JM	G121856.00			122
00218EP3E145JM	G121857.00			122
00156EP3E143JM	G121858.00			122
00236EP3E145JM	G121859.00			122
00336EP3E145JM	G121860.00			122
00109EP3E182T	G131478.00		LM32662	44
00152EP3ERS182T	G131479.00		LM32798	44
00318EP3ERSR182TC	G131491.00		LM16298	67
00518EP3ERSR184TC	G131492.00		LM16299	67
00736EP3ERSR213TC	G131510.00			67
0036EP3ER182TC	G131513.00			67
00536EP3ERSR184TC	G131514.00			67
00212EP3ERSR184TC	G131525.00			66
00318OP3E182JM	G131562.00			121
00518OP3E184JM	G131563.00			121
00536OP3E182JM	G131574.00			121
00736OP3E184JM	G131576.00			121
00318EP3E182JM	G131579.00			122
00536EP3E184JM	G131580.00			122
00518EP3E184JM	G131581.00			122
00736EP3E184JM	G131582.00			122
00318ES3EBM182T	G131613.00			258
00518ES3EBM184T	G131614.00			258
00212ES3EBM184T	G131620.00			258
00312EP3ERSR213TC	G131642.00		LM32850	
00318OP3E182JP	G131882.00			119
00518OP3E184JP	G131883.00	C56		119
00536OP3E182JP	G131884.00			119
00736OP3E184JP	G131885.00			119
00736EP3E213JM	G132027.00			122
00152EP3ERSR182TC	G132249.00			66
01018EP3ERSR215TC	G140109.00		LM32855	67
00209EP3E213T	G140516.00		LM32799	45
00512EP3ERSR215TC	G140535.00		LM32852	67
00312ES3EBM213T	G140601.00			258
00718ES3EBM213T	G140603.00			258
00718OP3E213JM	G140618.00			121
01018OP3E215JM	G140619.00			121
00718EP3E213JM	G140622.00			122
01018EP3E215JM	G140623.00			122
01018ES3EBM215T	G140636.00			258
01036OP3E213JP	G140655.00			119
01536OP3E215JP	G140656.00			119
00718OP3E213JP	G140667.00			119
01018OP3E215JP	G140668.00			119
01036EP3ERSR215TC	G140690.00			67
01536EP3E215JM	G140764.00			122
00718EP3ERSR213TC	G141113.00		LM16300	67
01036OP3E213JM	G141121.00			121
01036EP3E215JM	G141122.00			122
01509EP3E286T	G150261.22			47
02009EP3E324T	G150263.22			47
01009EP3E284T	G150282.22			47
00736EP3ER213TC	G151345.60		LM32852	67
00718EP3ER213TC	G151346.60			67
01036EP3ER215TC	G151347.60		LM32854	67
0108EP3ER215TC	G151348.60		LM16301	67
0158EP3ER254TC	G151350.60		LM16828	68
02036EP3ER256TC	G151351.60			68
02018EP3ER256TC	G151352.60		LM16829	68

Cross Reference

WEG to Leeson and Lincoln

Competitor Catalog #	LEESON Catalog #	Exception Code(s) To LEESON	Lincoln Catalog #	LEESON Page #
000509EP3E254T	G151355.22		LM32803	46
00709EP3E256T	G151356.22		LM32807	46
01518OP3E254JM	G151361.60	C56		121
02018OP3E256JM	G151362.60			121
01536OP3E215JM	G151380.60			121
02036OP3E254JM	G151381.60			121
02536OP3E256JM	G151382.60			121
02536EP3E256JM	G151417.60			122
02518EP3E284JM	G151418.60			122
03036EP3E284JM	G151420.60			122
03018EP3E286JM	G151422.60			122
04036EP3E286JM	G151424.60			122
04018EP3E324JM	G151426.60			122
02518EP3ER284TC	G151507.60			68
03018EP3ER286TC	G151508.60			68
047018EP3ER324TC	G151509.60			68
05018EP3ER326TC	G151510.60			68
35018OP3G447/9T	G151518.60		LM13829	38
250180P3G445T	G151524.60		LM13823	38
30018OP3G447/9T	G151525.60			38
01536EP3E254JM	G151567.60			122
01518EP3E254JM	G151568.60			122
02036EP3E254JM	G151569.60			122
02018EP3E256JM	G151570.60			122
00158EP3E145JP	G151736.60			123
00218EP3E145JP	G151737.60			123
00336EP3E182JP	G151738.60			123
00318EP3E182JP	G151739.60			123
00536EP3E184JP	G151740.60			123
00518EP3E184JP	G151741.60			123
00736EP3E213JP	G151742.60			123
00718EP3E213JP	G151743.60			123
01036EP3E215JP	G151744.60			123
01018EP3E215JP	G151745.60			123
01536EP3E215JP	G151746.60			123
01518EP3E254JP	G151747.60			123
02036EP3E254JP	G151748.60			123
02018EP3E256JP	G151749.60			123
02536EP3E256JP	G151750.60			123
02518EP3E284JP	G151751.60			123
03036EP3E286JP	G151752.60			123
03018EP3E286JP	G151753.60			123
04036EP3E324JP	G151754.60			123
04018EP3E324JP	G151755.60			123
05036EP3E324JP	G151756.60			123
0018EP3ESS143TCFL	G191214.00			157
00158EP3ESS145CFL	G191220.00			157
00218EP3ESS56CFL	G191226.00			157
02518OP3E284JM	G801028.00			121
03018OP3E286JM	G801029.00			121
04018OP3E324JM	G801030.00			121
03036OP3E284JM	G801040.00			121
04036OP3E286JM	G801041.00			121
05036OP3E324JM	G801042.00			121
01518OP3E254JP	G801051.00			119
02018OP3E256JP	G801052.00			119
02518OP3E384JP	G801053.00			119
03018OP3E286JP	G801054.00			119
04018OP3E324JP	G801055.00			
02036OP3E254JP	G801056.00			119
02536OP3E256JP	G801057.00			119
03036OP3E284JP	G801058.00			119
04036OP3E286JP	G801059.00			119
05036OP3E324JP	G801060.00			119
00318XP3ER182TC	G825116.00			101
00518XP3ER184TC	G825128.00			101
25018ET3G447T	LM14643			100
00318ET3E182T	LM16644			91
00518ET3E184T	LM16650			91
00712ET3ERS254T	LM16656			91
01018ET3E215T	LM16919			91
00112ET3E145T	LM32587			
05036ET3326TS	LM32685			100
00118ET3E143T	LM32856			91
00536ET3E184T	LM32864			91
00512ET3E215T	LM32867			91
00718ET3E213	LM32869			91
01518ET3E254T	LM32873			91
01512ET3E284T	LM32874			91
02018ET3E256T	LM32876			91
02012ET3E286T	LM32877			91
02518ET3E284T	LM32879			91
03018ET3E286T	LM32882			91
05018ET3E326T	LM32887			100
05012ET3E365T	LM32888			100
07518ET3E365T	LM32893			100
10036ET3E405T	LM32895			100
10018ET3E405T	LM32896			100
12518ET3G444T	LM32899			100
15018ET3G445T	LM32902			100
20018ET3G447T	LM32905			100
.3318ES1RFDB56	M002256.00			182
.5018ES1RFDB56	M009086.00			182
.7518ES1RFDB56	M009087.00			182
00158ES1RFD56H	M009089.00			182
0118ES1RFDD56	M009089.00			182
00218ES1RFDG56H	M009090.00			182
.3318ES1BPFC48	M090253.00			174
PCQ105H	MST1052.00			
PCQ107H	MST1072.00			
PCQ110H	MST1102.00			
PCQ150H	MST1152.00			
PCQ120H	MST1202.00			
PCJ105H	MT1052.00			
PCJ107H	MT1072.00			
PCJ110H	MT1102.00			
PCJ115H	MT1152.00			
PCJ120H	MT1202.00			

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DC Sub-FHP Gearmotor Reference

PZ SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor	Bison
4	100	1/40	M1115002	6Z911	199	—	011-190-0362
			M1125046	—	—	—	—
10	100	1/20	M1115001	6Z912	198	GPP231108	011-190-0186
			M1125047	—	—	—	—
20	100	1/20	M1115000	6Z913	196	GPP232110	011-190-0096
			M1125048	—	—	GPP233120	—
30	100	1/17	M1125002	6Z914	190	GPP233112	011-190-0072
			M1125037	—	—	—	—
60	56	1/17	M1125003	6Z914	—	GPP233111	011-190-0025
			M1125036	—	—	GPP233121	—
100	36	1/17	M1125004	—	189	GPP12503	011-190-0019
			M1125035	—	—	—	—
150	24	1/17	M1125005	6Z916	188	—	011-190-0013
			M1125034	—	—	—	—
300	10	1/17	M1125006	—	157	—	011-190-0007
			M1125033	—	—	—	—

P300 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor	Bison
5	353	1/20	M1115024	6A193	—	—	011-336-1369
9	268	1/20	M1115025	6A194	4147	GPP233141	011-336-1208
18	150	1/20	M1115026	4Z134	4146	GPP233140	011-336-1091
24	280	1/8	M1125069	4Z130	4156	—	011-336-2082
31	220	1/8	M1125070	4Z383	4155	GPP12547	011-336-2060
34	82	1/20	M1115027	4Z133	—	GPP233112	011-336-1053
51	130	1/8	M1125071	4Z129	4154	—	011-336-2036
51	55	1/20	M1115028	4Z132	—	GPP233111	011-336-1030
61	113	1/8	M1125072	4Z382	4154	GPP12545	011-336-2028
94	77	1/8	M1125073	4Z381	4153	GPP12544	011-336-2019
109	27	1/20	M1115029	4Z131	—	—	011-336-1017
170	43	1/8	M1125074	4Z128	4151	GPP12542	011-336-2011

P1100 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bison
8	1087	212	1/4	108700	6Z406	011-483-4197
12	1030	143	1/4	108701	6Z407	011-483-4131
18	750	95	1/4	108702	6Z408	011-483-4087
42	353	42	1/4	108703	6Z409	011-483-4041
60	238	29	1/4	108704	6Z410	011-483-4028
92	160	19	1/4	108705	6Z411	011-483-4018
135	105	13	1/4	108706	6Z412	011-483-4012
18	1112	95	1/2	108707*	6Z413	011-483-2087
33	882	53	1/2	108708*	6Z414	011-483-2058
42	705	42	1/2	108709*	6Z415	011-483-2041
60	476	29	1/2	108710*	6Z416	011-483-2028
92	320	19	1/2	108711*	6Z417	011-483-2018
135	210	13	1/2	108712*	6Z418	011-483-2012

* Indicates TEFC design, others are TENV

Application Notes:

P1100 DC gearmotors have the same mounting dimensions as Bison 483 gearmotors and Dayton gearmotors. For additional information, see Bulletin 1830.

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement.

RIGHT-ANGLE DC GEARMOTORS

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor
42	30	1/17	M1115018	—	99	—
62	35	1/17	M1115019	—	98	GP233003~
125	20	1/17	M1115020	—	96	GP233007~
250	11	1/17	M1115021	—	94	—
500	6	1/17	M1115022	—	93	—
42	80	1/8	M1135069	6A192	—	GP7403~
62	70	1/8	M1135038	4Z137	4144	GP7402~
			M1135058	—	6144	—
125	45	1/8	M1135039	—	4142 6142	—
250	25	1/8	M1135040	—	4141	—
500	13	1/8	M1135041	—	4140	—
62	135	1/4	M1135042	1L498	4138	GP7405~
			M1135062	—	—	GP7425~
83	125	1/4	M1135043	1L499	4137	GP7407~
			M1135063	—	—	GP7427~
125	90	1/4	M1135044	—	4136	—
250	50	1/4	M1135045	—	4135	—
500	30	1/4	M1135046	—	4134	—

~Mounting base and output shaft height are not ‘drop-in’ replacement.
Some Dayton and all Baldor right-angle gearmotors have double output shafts.

PE350 SERIES DC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Baldor	Cross Reference Bodine	Bison	Dayton
7	330	1/8	M1135106	GPP7459	4175	011-348-7215	6ML63
			M1135139	GPP7479	—	—	6ML64
14	341	1/8	M1135107	GPP7462	4174	011-348-7102	6ML65
			M1135140	GPP7478	—	—	6ML66
21	371	1/4	M1135117	GPP7457	4173	—	6ML67
			M1135141	GPP7477	—	—	6ML68
27	305	1/4	M1135115	GPP7461	—	—	6ML69
			M1135142	—	—	—	6ML70
42	280	1/4	M1135108	GPP7456	4185	011-348-7041	6ML71
			M1135143	GPP7476	—	—	6ML72
50	250	1/4	M1135109	GPP7460	—	011-348-7034	6ML73
			M1135144	—	—	—	6ML74
62	220	1/4	M1135110	GPP7455	4184	011-348-7029	6ML75
			M1135145	GPP7475	—	—	6ML51
83	155	1/4	M1135114	GPP7454	4183	—	6ML52
			M1135146	GPP7474	—	—	6ML53
125	100	1/4	M1135111	GPP7453	4182	—	6ML54
			M1135147	GPP7473	—	—	6ML55
165	70	1/4	M1135112	GPP7452	4181	—	6ML56
			M1135148	GPP7472	—	—	6ML57
250	45	1/4	M1135116	GPP7451	4180	—	6ML58
			M1135149	GPP7471	—	—	6ML59
500	25	1/4	M1135113	GPP7450	4179	—	6ML60
			M1135150	GPP7470	—	—	6ML61

Cross Reference

AC Sub-FHP Gearmotor Cross Reference

PZ SERIES AC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor	Bison
2	100	1/150	M1125050	6Z074	—	—	016-103-2362
9	100	1/15	M1125127*	6Z076	0449	GCP24114	016-103-2186
19	100	1/15	M1125128*	6Z081	0448	GCP24122	016-103-1096
28	100	1/15	M1125129*	6Z082	0455	GCP24124	—
57	56	1/15	M1125130*	6Z083	0454	GCP24134	016-103-1025
94	36	1/15	M1125131*	6A197	0453	—	016-103-1019
142	24	1/15	M1125132*	—	0452	—	016-103-1013
283	12	1/15	M1125133*	—	0451	—	—

* These motors are TEFC.

P240 SERIES AC GEARMOTORS: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor	Bison
8	345	1/15	M1145029	6Z816	0476	GCP24004	016-226-6215
15	250	1/15	M1145023	4Z518	0485	—	—
16	391	1/6	M1145030	6Z817	0485	—	016-226-6102
30	135	1/15	M1145024	4Z519	—	—	—
30	295	1/6	M1145031	6Z818	0484	—	016-226-6058
40	219	1/6	M1145032	6Z819	0483	GCP25052	016-226-6036
45	92	1/15	M1145025	4Z520	—	—	—
60	157	1/6	M1145033	6Z820	0482	GCP25054	016-226-6028
70	61	1/15	M1145026	4Z521	—	—	—
90	103	1/6	M1145034	6Z821	0481	GCP25056	016-226-6019
97	43	1/15	M1145027	4Z522	—	—	—
139	30	1/15	M1145028	4Z523	0480	—	—
156	60	1/6	M1145035	6Z822	—	GCP25060	016-226-6011

PE350 SERIES AC GEARMOTORS • SINGLE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Baldor	Bodine	Bison	Dayton
5	310	1/12	096000	—	0671	016-246-6254	6MK70
9	341	1/12	096001	—	0669	016-246-6170	6MK71
14	330	1/12	096002	GCP9320	0636*	—	6MK72
19	250	1/12	096003	GCP9322	0635*	016-246-6082	6MK73
29	270	1/6	096004	—	0685	016-246-6058	6MK74
34	250	1/6	096005	—	—	—	6MK75
40	180	1/6	096006	—	0654*	—	6MK76
59	135	1/6	096007	GCP3305	0683	016-246-6028	6MK77
75	90	1/6	096008	—	0681	016-246-6023	6MK78
113	68	1/6	096009	—	0651*	016-246-6015	6MK79
160	45	1/6	096010	GCP3315	0680	016-246-6011	6MK80
340	25	1/6	096011	GCP3320	0679	016-246-6005	6MK81

*Split Phase Type

PE350 HIGH TORQUE • SINGLE PHASE: Cap Start

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Baldor	Bodine	Bison	Dayton
58	320	1/3	096049	GLP3330	0664*	—	—
85	218	1/3	096050	GLP3332	0663*	—	—
173	109	1/3	096051	GLP3336	0662*	—	—
345	55	1/3	096052	GLP3338	0662*	—	—

*Split Phase Type

PE350 SERIES AC GEARMOTORS • THREE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Baldor	Bodine	Bison	Dayton
58	320	1/3	096013	GMP3330	0666	017-246-0029	6MK82
85	218	1/3	096014	GMP3332	0642	017-246-0019	6MK83
173	109	1/3	096015	GMP3336	0665	017-246-0011	6MK84
345	55	1/3	096016	GMP3338	—	017-246-0005	6MK85

This information is furnished as a guide only. Always check specific motor to determine suitability for direct replacement.

P1100 SERIES AC GEARMOTORS • SINGLE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bison*
8	975	212	1/4	107000	6Z400	014-482-4211
12	1030	143	1/4	107004	6K351	014-482-4143
18	800	95	1/4	107003	6Z401	014-482-4095
26	569	66	1/4	107002	6K352	—
59	248	29	1/4	107005	6K353	014-482-4029
133	114	13	1/4	107001	6K354	014-482-4011
18	1089	95	1/3	107006	6Z402	014-482-3095
26	752	66	1/3	107012	6K396	014-482-3066
41	461	42	1/3	107011	2Z842	014-482-3042
59	330	29	1/3	107010	6K369	014-482-3029
91	224	19	1/3	107009	2Z843	014-482-3019
157	125	11	1/3	107008	2Z844	014-482-3011
288	70	6	1/3	107007	2Z845	014-482-3006
22	1105	79	1/2	107013	6Z403	—
41	700	42	1/2	107017	6K375	014-482-2042
59	496	29	1/2	107016	6K583	014-482-2029
91	336	19	1/2	107015	6K383	014-482-2019
133	229	13	1/2	107014	6K506	014-482-2011

* Bison units are split phase design.

P1100 SERIES AC GEARMOTORS • THREE PHASE: Parallel Shaft

Output RPM	F.L. Torque (lb.in.)	Ratio to 1	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bison
18	1089	95	1/3	107025	6Z404	—
26	752	66	1/3	107026	4Z384	—
41	461	42	1/3	107027	4Z385	—
59	330	29	1/3	107028	4Z386	—
91	224	19	1/3	107029	4Z387	—
157	125	11	1/3	107030	4Z388	—
288	70	6	1/3	107031	4Z389	—
22	1105	79	1/2	107032	6Z405	017-482-0095
41	700	42	1/2	107033	4Z390	017-482-0042
59	496	29	1/2	107034	4Z391	017-482-0029
91	336	19	1/2	107035	4Z392	017-482-0019
133	229	13	1/2	107036	4Z393	017-482-0011
288	100	6	1/2	107037	4Z394	017-482-0006

Application Notes:
P1100 AC gearmotors have the same mounting dimensions as Bison 482 gearmotors and Dayton gearmotors. For additional information, see Bulletin 1830.

RIGHT-ANGLE AC GEARMOTORS

Output RPM	F.L. Torque (lb.in.)	Input HP	LEESON Catalog No.	Cross Reference Dayton	Bodine	Baldor	Bison
28	37	1/15	M1125080	IL536	0492	—	—
43	34	1/15	M1125081	IL538	0491	GC24310~	—
58	40	1/15	M1125082	IL535	0487	—	—
85	24	1/15	M1125083	IL534	0490	GC24306~	—
173	14	1/15	M1125084	IL533	0488	GC24302~	—
29	110	1/6	M1145037	IL501	—	—	—
43	113	1/6	M1145038	IL502	0678	GC25020~	—
57	95	1/6	M1145082	IL503	—	GC25015~	026-756-8030
83	75	1/6	M1145039	IL504	0677	GC25010~	026-756-8020
170	43	1/6	M1145040	IL505	0672	—	026-756-8010
340	23	1/6	M1145041	—	0670	—	026-756-8005

~Mounting base and output shaft height are not 'drop-in' replacement.
Some Dayton and all Baldor right-angle gearmotors have double output shafts.

This information is furnished as a guide only.
Always check specific motor to determine
sutiability for direct replacement

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096001.00	C42P17NZ2	1/12	24	735	327
096002.00	C42P17NZ3	1/12	24	735	327
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100338.00	C4C17DB12	1/2	20	431	7
100340.00	C4C34DH13	3/4	24	376	7
100354.00	C4C34DC11	1/3	17	293	21
100355.00	A4C34DC12	1/3	17	308	21
100356.00	C4C34DC13	1/2	19	308	21
100357.00	C4C34DC14	3/4	24	397	21
100361.00	C4C17NB	1/4	17	341	18
100362.00	C4C34NB2	1/3	24	328	18
100366.00	C4C34NB3	1/2	27	376	18
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100378.00	C4T34DC3	3/4	20	391	59
100443.00	C4T17NB5	1/3	19	378	55
100446.00	C4T17DB2	1/3	17	326	33
100449.00	C4T34NC4	1/2	23	403	65
100486.00	C4T17NC11	1/2	24	460	65
100588.00	M4C17DH46	1/3	18	405	7
100599.00	C4T17DK1	1/3	18	382	61
100600.00	C4T34DK1	1/2	17	363	61
100601.00	C4T17DK2	1/2	23	432	61
100602.00	C4T17DK3	3/4	21	480	61
100603.00	A4C34DJ7	3/4	26	428	13
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100905.00	C4T34FB2	1/2	18	384	43
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100955.00	C4C17FB3	1/3	19	378	15
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101159.00	P4C17FZ11	1/3	21	564	180
101176.00	A4K17NH2	1/2	26	517	174, 190, 200
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101405.00	A4K17DR5	1/3	19	464	10, 188
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101446.00	M4C17FB10	1/4	18	393	15
101447.00	C4T34DB3	1/3	14	308	33
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101641.00	A4T34DJ5	3/4	20	527	40, 189
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101649.00	C4T17NH8	1/4	16	341	55
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101651.00	C4C17DK18	1/2	21	481	23
101765.00	C4C17FC10	1/4	18	389	24
101766.00	C4C17FC9	1/3	22	419	24
101767.00	C4T17FC9	1/4	19	351	65
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101773.00	A4T34DJ8	3/4	20	451	40, 189
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101966.00	C4T17NC35	1/4	18	358	65
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102019.00	C4C11FB5	1/3	28	580	15
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102197.00	C4T34DC25	1/3	15	326	115
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102661.00	C4C17FC25	1/6	14	341	24
102662.00	C4T17FC31	1/6	15	316	65
102663.00	C4C17FC26	1/3	19	403	24
102664.00	C4T17FC30	1/3	20	365	65
102665.00	C4C17FC27	1/2	22	470	24
102666.00	C4T17FC32	1/2	24	441	65
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102688.00	C4T14FB5	0.25/1/3	19	527	227
102689.00	C4T14FC4	0.25/1/3	19	503	228
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102693.00	C4T14FH2	0.37/1/2	20	551	227
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102862.00	C4C17FC32	1/2	21	481	24
102863.00	C4T17NC47	1/3	19	387	65
102864.00	C4C34FC12	1/2	22	374	24
102865.00	M4C17FC33	1/2	22	509	24
102866.00	C4C17FC34	1/4	18	387	24
102867.00	C4C17NC25	1/3	23	416	24
102868.00	C4C17NC26	1/4	22	387	24
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102873.00	C4C34NC15	1/3	24	332	24
102903.00	C4C34FK17	1/2	25	394	26
102904.00	M4C34FH7	1/2	25	397	15
102905.00	C4C34FH8	1/2	22	371	15
102906.00	C4C17FH28	1/2	22	430	15
102907.00	C4C17FK5	1/2	22	505	26
102908.00	A4C17FH29	1/2	25	516	15
102909.00	M4C17FH30	1/2	22	503	15
102910.00	C4C17NK2	1/3	25	420	26
102911.00	CAC34NB3	1/2	27	376	18
102912.00	CAC17NH7	1/3	25	378	18
102913.00	M4C17NH8	1/3	25	433	18
102914.00	C4C17NH9	1/4	24	345	18
102915.00	A4C17NH10	1/4	23	389	18
102916.00	C4C17FK4	1/4	22	396	26
102917.00	C4T17FK10	1/2	19	487	69
102918.00	C4T17NH12	1/2	21	439	55
102919.00	C4T17NK2	1/2	22	487	69
102920.00	C4T17NH13	1/3	20	376	55
102921.00	C4T17NK3	1/3	18	422	69
102922.00	C4T17FK11	1/3	19	420	69
102929.00	C4C34FK16	1/3	22	393	26
102930.00	C4C17FK6	1/3	24	420	26
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102932.00	A4C17FH32	1/3	23	444	15
102933.00	M4C17FH33	1/3	23	430	15
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103017.00	C4T17DH39	1/3	23	428	33
103018.00	C4T17DH40	1/2	26	459	33
103019.00	C4T17FH12	1/3	24	531	43
103020.00	C4T17FH13	1/2	27	563	43
103021.00	C4T17DK9	1/3	23	444	61
103022.00	C4T17DK10	1/2	26	468	61
103023.00	C4C17DK32	1/3	18	398	23
103024.00	C4C34DK10	1/2	20	361	23
103025.00	C4C34DK11	3/4	24	424	23
103082.00	M4C17FK7	1/3	24	420	26
103083.00	M4C17DK37	1/3	18	398	23
103084.00	M4C17DK38	1/2	21	481	23
103085.00	M4C17FK8	1/2	22	505	26
103086.00	M4C17DK39	3/4	27	557	23
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110178.00	C6T17FB3	3/4	22	453	209
110180.00	C6C34FK1	1	28	518	26
110181.00	C6T34FK1	1	24	535	69
110182.00	C6T344NK1	1/2	26	417	69
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110199.00	C6T17NB4	1/2	25	427	209
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110275.00	C6T11FB3	3/4	33	616	43
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110288.00	U6C34DC18	11/2	31	608	113
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110293.00	U6C34DC22	2	37	734	113
110308.00	A6C17FC8	3/4	28	594	24
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110354.00	C6T34FB8	3/4	22	431	209
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110361.00	C6C34DB20	1 1/2	29	560	8
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110441.00	C6T11FB5	1/3	23	571	43
110444.00	C6T17FB14	1 1/2	30	522	44
110446.00	C6T34NC2	1/3	20	345	65
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110745.00	C6T34FB16	1 1/2	30	540	44
110852.00	A6C17XC20	1	53	1160	100
110893.00	C6T17FB37	1 1/2	30	536	209
110901.00	C6T17DK3	1	28	563	61
110902.00	C6T17DK4	1 1/2	29	592	61
110905.00	C6C17FK4	3/4	26	610	26
110908.00	C6C17FK5	1	30	691	26
110909.00	C6C34FK19	1 1/2	34	671	26
110910.00	C6K17FK2	1 1/2	39	821	26
110912.00	C6T17FK6	1	24	558	69
110914.00	C6T11FK1	1/2	25	655	69

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110915.00	C6T34FK6	3/4	23	451	69
110916.00	C6T17FK5	3/4	22	524	69
110917.00	C6T34FK7	1 1/2	29	600	70
110918.00	C6T17FK7	1 1/2	30	589	70
110934.00	A6C17XB21	3/4	46	975	100
110961.00	A6C17XB20	1	47	1107	100
111074.00	A6C17EB20	1/3	35	749	100
111075.00	A6C17EC20	1/3	41	826	100
111084.00	A6C17XB22	1/2	41	826	100
111085.00	A6C17XC22	1/2	45	916	100
111086.00	A6C17XC21	3/4	50	1017	100
111095.00	A6C34EC20	1/3	38	788	100
111096.00	A6C34XC20	1	49	916	100
111097.00	A6C34XC21	3/4	40	854	100
111098.00	A6C34XC22	1/2	35	796	100
111147.00	A6T11DZ1	1	37	780	194
111148.00	A6T11DZ2	11/2	42	852	194
111202.00	A6P17NZ1	1/3	24	485	174, 190, 200
111266.00	A6P17NR1	3/4	36	770	174, 190, 199
111267.00	A6P17NR2	1	39	808	174, 190, 199
111273.00	C6T34FC22	2	36	622	66
111275.00	P6K34DB5	5	44	686	11
111275.00	P6K34DB5	5	44	686	231
111304.00	A6T17FC33	1	30	796	179
111309.00	A6T17DB26E	1 1/2	33	587	34
111310.00	A6T17DB27	2	36	677	34
111311.00	A6T17DR11	1	27	589	40, 189
111321.00	A6P11NR1	1/2	37	672	174, 190, 199
111322.00	A6P11NR2	3/4	44	794	174, 190, 199
111323.00	A6P17NR3	1/2	30	521	174, 190, 199
111324.00	A6P17NR4	3/4	34	770	174, 190, 199
111326.00	C6T17DK7	1/2	31	983	258
111327.00	C6T17DK8	3/4	34	1151	258
111328.00	C6T17DK9	1	42	1243	258
111329.00	M6T17FB49	1 1/2	38	859	178
111330.00	P6K17FB18	1 1/2	42	845	178
111332.00	C6C34NB15	3/4	27	433	176, 192
111333.00	C6C34NB16	1	29	514	176, 192
111334.00	C6T34NB18	3/4	21	443	176, 192
111335.00	C6T34NB19	1	22	481	176, 192
111348.00	A6P17NZ6	1/3	24	499	174, 190, 199
111394.00	C6T11FB8	3/4	30	646	209
111444.00	C6T17FC39	1 1/2	33	551	213
111611.00	C6T34FC26	2	34	608	213
111630.00	C6T34FC28	3	37	707	67
111915.00	A6C17FR10	1	31	717	19, 188
111916.00	C6T34FB24	2	33	608	45
111917.00	C6T17NR1	1/2	25	501	53, 189
111918.00	C6T17FR1	1	29	564	53, 189
111919.00	A6P8NR2	1/2	40	832	174
111919.00	A6P8NR2	1/2	45	832	190, 199
111922.00	A6T17XB20	1	45	1003	101
111923.00	A6T17XB21	3/4	38	923	101
111926.00	A6T17XC22	1	46	1107	101
111929.00	A6T17EB21	1/2	32	795	101
111930.00	A6T17EC22	1/2	34	1039	101
111931.00	A6T17EC23	1/3	29	981	101
111932.00	A6T17EB22	1/3	33	765	101
111933.00	A6T34EC22	1/2	33	951	101
111934.00	A6T34EB22	1/2	39	874	101
111935.00	A6T17XC23	3/4	36	1056	101
111936.00	A6T34XC21	3/4	27	981	101
111937.00	A6T34XB21	3/4	37	914	101
111938.00	A6T11XB22	1/2	44	1163	101
111939.00	A6T34XC25	1 1/2	48	1168	101
111940.00	A6T11EB21	1/3	39	1098	101
111941.00	A6T17XC24	1 1/2	46	1192	101
111942.00	A6T34XB20	1	34	965	101
111943.00	A6T34XC20	1	30	1027	101
111944.00	A6T34EC23	1/3	36	913	101
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111951.00	C6K17FK21	1	38	1466	257
111953.00	C6S46DR1	1/2-1/4	33	593	191
111954.00	C6C46DR2	3/4-1/3	38	861	191
111955.00	C6K46DR1	1-0.44	41	1014	191
111956.00	C6T46DR1	1/2-.22	32	895	191
111957.00	C6T46DR2	1/2-.22	32	895	191
111958.00	C6T46DR3	3/4-1/3	36	944	191
111959.00	C6T46DR4	3/4-1/3	36	944	191
111960.00	C6T46DR5	1-0.44	40	1014	191
111961.00	C6T46DR6	1-0.44	40	1014	191
111962.00	C6T46DR7	11/2-.67	40	1230	191
111963.00	C6T46DR8	11/2-.67	40	1230	191
112135.00	C6C34FK36	3/4	26	449	26
112136.00	C6K17FC9	2	41	994	25
112378.00	C6T11FC10	3/4	29	667	65
112379.00	C6T11FC11	1	32	654	66
112427.00	C6T17WB6	1/2	24	650	135
112428.00	C6T17WB7	3/4	27	678	135
112429.00	C6T17WK1	1/2	22	678	136
112430.00	C6T17WK2	3/4	26	786	136
112431.00	C6C17WB1	1/2	24	631	133
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112483.00	C6T17WK3	1/2	28	678	136

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112522.00	C6T17WK7	1	30	819	136
112523.00	C6T17WK8	1/4	21	608	136
112524.00	C6T17WK10	1	27	819	136
112526.00	C6C17WK2	1/3	28	631	133
112527.00	C6C17WK3	1/2	28	654	133
112528.00	C6C17WK4	3/4	30	741	133
112529.00	C6C17WK5	1	33	853	133
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112615.00	P6C17FZ27	1	35	822	180
112626.00	C6C17WB3	1	33	851	133
112627.00	C6T17WB8	1	26	713	135
112643.00	C6T17WK11	11⁄2	32	855	136
112644.00	C6T17WK12	2	36	980	136
112991.00	A6T34FC33	2	33	824	179
113019.00	C6T17VC1	3/4	28	766	134
113020.00	C6T17VC2	1	32	799	134
113021.00	C6T17VC3	11⁄2	44	833	134
113022.00	C6T34VC1	3/4	23	670	134
113023.00	C6T34VC2	1	35	781	134
113024.00	C6T34VC3	11⁄2	42	828	134
113025.00	C6T17DB40	2	32	555	34
113026.00	C6T17FB65	2	35	567	45
113027.00	C6C17DR37	1	30	599	13,127
113028.00	C6T34FK34	3/4	23	515	116
113029.00	C6T34FK35	1	24	526	116
113030.00	C6T34FK36	11⁄2	31	542	116
113031.00	C6T34FK37	2	36	679	116
113032.00	C6T34FK38	3	39	741	116
113256.00	M6C17FB66	1/3	20	449	171
113266.00	M6K17DB30	1 1⁄2	42	769	8, 12, 233
113280.00	P6K17FZ6	1 1⁄2	47	1365	180
113281.00	P6K17DK12	2	45	841	23, 28, 234
113290.00	M6C17FC59	1/3	28	594	173
113292.00	C6T34DB16	2	33	584	34
113293.00	C6T34DB17	3	38	602	34
113300.00	C6C17WK6	1 1⁄2	45	1088	133
113301.00	M6K17FZ7	1 1⁄2	44	1347	180
113302.00	M6C17FZ31	1	35	801	180
113311.00	C6T11FC16	1/3	22	589	65
113333.00	M6K17FB32	1 1/2	38	771	16, 19, 233
113334.00	P6C34DC50	3	36	815	22
113335.00	U6C34DC51	2	36	800	22
113336.00	A6C34DC52	1 1⁄2	28	619	22
113337.00	A6C34DC53	1	28	474	21
113373.00	C6K46DR3	1-0.44	39	1014	191
113473.00	C6T17VC4	1/2	22	662	134
113580.00	C6C34WK2	1/3	27	623	133
113581.00	C6C34WK3	1/2	25	631	133
113582.00	C6C34WK4	3/4	31	640	133
113583.00	C6C34WK6	1	31	642	133
113584.00	C6C34WK5	1 1⁄2	36	940	133
113586.00	C6T17VK2	1/2	23	678	136
113587.00	C6T17VK1	3/4	30	786	136
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113589.00	C6T34VK2	3/4	24	665	136
113590.00	C6T34VK4	1	34	779	136
113591.00	C6T34VK5	11⁄2	44	859	136
113592.00	C6T34VK6	2	48	955	136
113593.00	C6T34VC5	2	47	947	134
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113633.00	U6C34DR21	2	38	795	187
113634.00	C6T11FC18	1 1/2	39	746	66
113637.00	A6C34FK49	1/2	23	423	114
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113639.00	A6C34FC41	1	30	533	114
113640.00	A6C34FC42	1 1⁄2	34	634	114
113641.00	U6C34FC34	2	41	750	114
113642.00	M6P17DR4	3/4	33	647	237
113643.00	C6S46DR2	1/2-1/4	33	593	191
113649.00	C6T17VC5	1/4	19	604	134
113672.00	C6C46DR5	3/4-1/3	39	861	191
113700.00	M6K17DK15	1 1⁄2	38	812	23, 28, 234
113765.00	M6K17FB33	1/3	27	522	15, 18
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113846.00	A6T17DR25	1 1⁄2	29	625	40, 189
113847.00	A6T17DR26	2	34	717	40, 189
113890.00	C6T17FC91	3	43	765	67
113891.00	C6T34DC64	1 1⁄2	28	549	115
113892.00	C6T34DC65	2	33	652	115
113893.00	C6T34DC66	3	36	770	115
113894.00	C6T34DC63	2	31	603	60
113895.00	A6T17DR30	1	25	556	40, 189
113896.00	A6T34DR31	11⁄2	29	630	189
113897.00	A6T17DR32	2	39	731	40, 189
113901.00	C6C28DB24	1/2	25	404	224
113902.00	C6C28DB25	3/4	27	506	224
113903.00	C6C28DB26	1	31	562	224
113904.00	C6C28DB27	1 1⁄2	37	722	224
113905.00	C6C28DB28	2	42	884	224
113906.00	M6C14FZ8	1	39	897	180
113907.00	P6K14FZ2	1 1⁄2	48	1500	180
113908.00	M6C14FB22	1/3	26	532	225
113909.00	M6C14FB23	1/2	29	604	225
113910.00	M6C14FB24	3/4	32	717	225
113911.00	M6C14FB25	1	34	832	225
113912.00	C6C28FC3	1/2	25	466	226
113913.00	C6C28FC4	3/4	28	518	226
113914.00	C6C28FC5	1	32	639	226
113915.00	C6C28FC6	1 1/2	43	831	226
113916.00	C6C28FB25	1/3	25	416	225
113917.00	C6C28FB26	1/2	27	445	225
113918.00	C6C28FB27	3/4	29	506	225
113919.00	C6C28FB28	1	32	587	225
113920.00	C6C28FB29	1 1/2	44	772	225
113921.00	M6C14FC5	1/3	22	542	226
113922.00	M6C14FC6	1/2	29	621	226
113923.00	M6C14FC7	3/4	31	710	226
113924.00	M6C14FC8	1	34	748	226
113925.00	P6K14FC4	1 1/2	42	907	226
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113927.00	C6T34FK44	2	34	679	70
113928.00	C6C28FB24	2	44	935	225
113929.00	P6K14FB9	1 1/2	49	859	225
113930.00	C6C17DK11	1	34	637	23
113931.00	C6C34FK52	2	46	879	27
113932.00	C6K17DK16	1 1⁄2	39	687	23
113933.00	C6T11FB13	1	35	638	44
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113938.00	M6K17FB39	1 1⁄2	39	806	171
113939.00	C6P34NK5	1/2	42	553	179
113954.00	C6T17VC6	1/3	19	642	134
113955.00	A6C34FC44	1/2	22	368	114
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113957.00	A6C34FK53	1	28	547	114
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113959.00	U6C34FK55	2	43	766	114
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114148.00	C6T11FB15	3/4	43	1459	258
114149.00	C6T11FB16	1/2	33	1390	258
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114157.00	C6T17DC55	3/4	38	1135	257
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114162.00	C6T17DB46	1/2	28	948	257
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114164.00	C6T17DB48	1	32	1205	257
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114166.00	C6T17DC54	1	40	1227	257
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114192.00	C6T34DR35	1	24	481	40, 189
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114203.00	C6T34DK5	1 1⁄2	33	562	115
114204.00	C6T34FC41	3	52	727	116
114205.00	C6T34FC40	2	40	672	116
114206.00	C6T34FC39	11⁄2	31	530	116
114207.00	C6T34FC38	1	25	510	116
114208.00	C6T34FC37	3/4	22	429	116
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114312.00	C6C34WC3	1/2	25	628	133
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114319.00	C6C17WC6	1 1/2	43	1084	133
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114437.00	CZ6T17VC12	1	44	945	153
114560.00	CZ6T17VK3	1/2	34	795	153
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114581.00	CZ6T17WC14	1 1/2	45	991	153
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114614.00	C6T34FB35	3	40	707	45
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115826.00	C6T17DB78	2	33	505	34
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116129.00	C6T34FB49	1	24	654	44
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116592.00	C6T11FK15	1 1/2	44	790	70
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116608.00	A6C34XK6	1/2	36	822	100
116609.00	A6C17XK32	1/2	46	944	100
116610.00	A6C17XK34	1/2	56	1057	100
116611.00	A6C34XK5	3/4	41	879	100
116612.00	A6C17XK30	3/4	51	1044	100
116613.00	A6C34XK4	1	50	944	100
116614.00	A6C17XK29	1	54	1150	100
116615.00	A6C34XK3	1 1/2	45	1339	100
116616.00	A6C34XK2	2	58	1640	100
116630.00	C6T17DK28	2	32	622	61
116631.00	C6T17DK29	3	38	719	62
116640.00	C6T34VC16	1/3	19	624	134
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116643.00	C6T34VC17	1/2	22	644	134
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116743.00	C6T17FC209	1 1/2	41	895	66
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116746.00	C6T17FK96	1 1/2	37	910	70
116747.00	C6T17FK97	2	43	951	70
116748.00	C6T34FC97	1	29	670	66
116749.00	C6T11FC29	1	47	892	66
116750.00	C6T34FC98C	1 1/2	33	761	66
116751.00	C6T34FC94	2	44	880	66
116752.00	C6T17DB92	1	36	639	33
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116760.00	C6T34FB518	2	44	812	45
116761.00	C6T17FB154	2	45	785	45
116762.00	C6T17DK30	3/4	30	496	61
116763.00	C6T17DK33	1	33	709	61
116764.00	C6T17DK32	1 1/2	37	735	61
116765.00	C6T17DK31	2	42	831	61
116766.00	C6T17DC83	1 1/2	43	1427	257
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117129.00	CZ6T17VC54	3/4	46	1544	168
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117274.00	CZ6T17VC58	1	44	1438	161
117275.00	CZ6T11VK5	1/2	35	1716	160
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117281.00	CZ6T34VC24	1	43	1429	161
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120995.00	C145K17DK9	2	45	809	120
120996.00	C143C17DK1	1	42	801	120
120997.00	C143C34FB6	2	44	879	236
120998.00	C145K34FB16	4	48	1171	236
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171690.60	C365T17BK2	75	766	8349	63
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810019.00	324THFPA8050	40	620	9922	78
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810027.00	364THFS8059	60	975	15063	78
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810068.00	284THTPA7090	15	440	8860	78
810087.00	405THFS8329	100	1400	22006	78
810096.00	364THFS18079	40	975	16572	78
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811563.00	324THFS19045	40	700	7186	89
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G120037.00	C145T17FC62	1 1/2	36	604	66
G120038.00	C145T17FC105	2	44	621	66
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G120081.00	C145T17DC42	1 1/2	37	571	59
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G121655.00	C145T17WC28	11/2	45	855	134
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G121664.00	C145T34DC11	5	47	698	60
G121668.00	C143T34DC5	1 1/2	35	572	59
G121670.00	C145T34DC12	2	45	642	60
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G131559.00	C184T17DK21	5	97	2713	258
G131562.00	C182T17DK19	3	64	825	121
G131563.00	C184T17DK28	5	71	951	121
G131574.00	C182T34DK12	5	66	1016	121
G131576.00	C184T34DK18	71/2	108	1116	121
G131579.00	C182T17FK26	3	75	823	122
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G131617.00	C182T17FK17	3	79	2218	259
G131618.00	C184T17FK19	5	117	2771	259
G131620.00	C184T11FB16	2	80	2587	258
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G131779.00	C182T34DC11	5	64	732	60
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G131882.00	C182T17DK20	3	58	743	119
G131883.00	C184T17DK29	5	70	853	119
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G131949.00	C184T34WC8	5	98	2424	161
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G131996.00	C182T17WK16	3	85	2262	162
G131997.00	C184T34WK14	5	90	2494	162
G131998.00	C184T17WK18	5	96	2508	162
G132027.00	C184T34FK41	71/2	121	1348	122
G132059.00	C184TIIDC5	2	81	788	60
G132249.00	C182T11FC4	1 1/2	82	839	66
G132250.00	C182T11DC4	1 1/2	60	768	59
G140004.00	C215T17DB33	10	138	1162	221
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G140108.00	C215T17DC8	10	132	1237	60
G140109.00	C215T17FC10	10	158	1272	67
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G140535.00	C215T11FC3	5	142	1500	67
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G140619.00	C215T17DK11	10	135	1357	121
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G140623.00	C215T17FK18	10	145	1755	122
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G140636.00	C215T17FB25	10	174	3874	258
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G140639.00	C215T17FK6	10	175	4541	259
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LM03333	SB4H50T61Q15	50	550	11371	81
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LM03619	MD4S25TSC61	25	303	3442	95
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LM03631	MD6S20T61	20	328	3657	93
LM03632	MD6S20TSC61	20	335	3859	95
LM03633	MD6S20TC61	20	335	3859	95
LM03634	MD6S20TSCTSC61	20	342	4316	96
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LM03639	MD4S30TSC61	30	343	3495	95
LM03643	MD4S30TC61	30	343	3495	95
LM03644	MD4S30TCTMC61	30	348	4225	96
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LM03686	MD4S50TC61	50	486	5290	95
LM03687	MD4S50TCTMC61	50	496	5697	96
LM03691	MD2S60TS61	60	484	6441	94
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LM03703	MD6S40T61	40	655	9587	93
LM03705	MD6S40TC61	40	667	7990	95
LM03706	MD6S40TCTMC61	40	679	7596	96
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LM03708	MD4S60TS61	60	627	6730	94
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LM03711	MD4S60TC61	60	639	7720	95
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LM03719	MD2S75T61	75	644	9814	94
LM03720	MD6S50T61	50	690	7490	93
LM03724	MD6S50TC61	50	702	8714	95
LM03725	MD6S50TCTMC61	50	714	9751	96
LM03726	MD6S50TSCTSC61	50	714	9751	96
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LM03739	MD2S100TS61	100	712	9239	94
LM03740	MD2S100T61	100	712	9239	94
LM03752	MD6S100T64PY	100	1213	14432	94
LM03753	MD6S100TS64PY	100	1213	14432	94
LM03755	MD6S100TSC64PY	100	1234	15233	95
LM03757	MD6S100TCTMC64PY	100	1234	16104	96
LM03758	MD6S100TSCTSC64PY	100	1234	16106	96
LM03760	MD4S150TS64PY	150	1230	14268	94
LM03761	MD4S150T64PY	150	1230	14268	94
LM03763	MD4S150TSC64PY	150	1251	15069	95
LM03764	MD4S150TSCTSC64PY	150	1272	15942	96
LM03768	MD6S125T64PY	125	1377	16854	94
LM03770	MD6S125TSC64PY	125	1398	17655	95
LM03771	MD6S125TSCTSC64PY	125	1419	18527	96
LM03772	MD4S200TS64PY	200	1440	17412	94
LM03773	MD4S200T64PY	200	1440	17412	94
LM03776	MD4S200TSC64PY	200	1435	18214	95
LM03777	MD4S200TSCTSC64PY	200	1482	19086	96
LM03779	MD4S250TS64PY	250	1500	18200	94
LM03780	MD4S250T64PY	250	1500	18200	94
LM03785	MD6S60T61	60	855	10454	94
LM03787	MD6S60TCTMC61	60	887	11651	96
LM03788	MD6S60TSCTSC61	60	887	11651	96
LM03790	MD4S100TS61	100	865	9519	94
LM03791	MD4S100T61	100	865	9519	94
LM03792	MD4S100TC61	100	881	10169	95
LM03794	MD4S100TSC61	100	881	10164	95
LM03795	MD4S100TSCTSC61	100	897	10715	96
LM03797	MD2S125TS61	125	875	13193	94
LM03799	MD6S75T61	75	948	10599	94
LM03800	MD6S75TS61	75	948	10599	94
LM03804	MD6S75TC61	75	964	11248	95
LM03805	MD6S75TCTMC61	75	980	11795	96
LM03806	MD6S75TSCTSC61	75	980	11796	96
LM03808	MD4S125TS61	125	972	10808	94
LM03809	MD4S125T61	125	972	10808	94
LM03810	MD4S125TC61	125	988	11455	95
LM03812	MD4S125TSC61	125	988	11455	95
LM03813	MD4S125TSCTSC61	125	1004	12004	96
LM03815	MD2S150TS61	150	978	13271	94
LM03816	MD2S150T61	150	978	13271	94
LM03865	MD6S30T61	30	482	5262	93
LM03866	MD6S30TSCTSC61	30	502	6009	96
LM03973	AAN6S1TC61Q15	1	98	3725	80
LM03975	AAN8S1TC61Q15	1	110	3654	80
LM03981	AAN6S1.5TC61Q15	1 1/2	110	3393	80
LM03983	AN8S1.5TC61Q15	1 1/2	141	4431	80
LM03987	AAN4S2TC61Q15	2	98	3367	80
LM03989	AN6S2TC61Q15	2	141	4017	80
LM03991	AAN8S2TC61Q15	2	141	4777	80
LM03995	AAN4S3TC61Q15	3	110	3643	80
LM03997	AN6S3TC61Q15	3	155	4796	80
LM03999	AN8S3TC61Q15	3	206	7175	80
LM04003	AAN4S5TC61Q15	5	115	3929	80
LM04005	AN6S5TC61Q15	5	220	6666	80
LM04007	AN8S5TC61Q15	5	239	8104	80
LM04013	AN6S7.5TC61Q15	7 1/2	239	7401	80
LM05332	RD2S0.75T62	3/4	26	367	221
LM05342	RD2S1T62	1	26	423	221
LM05345	RD6S0.75T62	3/4	26	555	221
LM06103	AAN6S1TC61Q10	1	78	1567	77
LM06105	AAN8S1TC61Q10	1	100	1955	77
LM06109	AAN6S1.5TC61Q10	1 1/2	90	1690	77
LM06111	AN8S1.5TC61Q10	1 1/2	121	2731	77
LM06113	AAN4S2TC61Q10	2	74	1669	77
LM06115	AN6S2TC61Q10	2	121	2313	77
LM06117	AN8S2TC61Q10	2	121	3077	77
LM06119	AAN4S3TC61Q10	3	94	1941	77
LM06121	AN5S3TC61Q10	3	135	3096	77
LM06123	AN8S3TC61Q10	3	186	5475	77
LM06125	AN4S5TC61Q10	5	115	2227	77
LM06127	AN6S5TC61Q10	5	200	4966	77
LM06129	AN8S5TC61Q10	5	219	6400	77
LM06131	AN4S7.5TC61Q10	7 1/2	115	2970	77
LM06133	AN6S7.5TC61Q10	7 1/2	219	5698	77
LM06135	AN4S10TC61Q10	10	263	3212	77
LM08476			2	203	375
LM08478			2	203	375
LM08582			2	293	375
LM08664			5	293	375
LM08665			2	293	375
LM08709			2	293	375
LM08720			2	334	375
LM08738			2	334	375
LM08827			40	1006	375
LM10336	SRF4S0.33TC61Q20	1/3	26	547	77
LM10338	SRF6S0.5TC61Q20	1/2	41	748	77
LM10339	SRF4S0.75TC61Q20	3/4	25	710	77
LM10340	SRF4S1TC61Q20	1	62	1367	77
LM10346	SRN4S0.33TC61Q15	1/3	43	2065	80
LM10347	SRN4S0.5TC61Q15	1/2	43	2157	80
LM10348	SRN6S0.5TC61Q15	1/2	43	2265	80

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LM10349	SRN4S0.75TC61Q15	3/4	54	2231	80
LM10350	SRN4S1TC61Q15	1	54	3042	80
LM10636	MD6S15TS61	15	280	3312	93
LM10637	MD6S20TS61	20	328	3656	93
LM10638	MD4S25TS61	25	296	3384	93
LM10639	MD6S25TS61	25	422	4804	93
LM10640	MD6S30TS61	30	482	5262	93
LM10641	MD6S40TS61	40	655	9587	93
LM10642	MD6S50TS61	50	690	7490	93
LM10643	MD6S60TS61	60	855	10454	94
LM10644	MD2S125T61	125	875	13193	94
LM10645	MD6S125TS64PY	125	1377	16854	94
LM10725	MD6S15TCTMC61	15	295	3972	96
LM10726	MD6S15TSCTSC61	15	295	3972	96
LM10727	MD6S20TCTMC61	20	342	4316	96
LM10730	MD6S30TCTMC61	30	502	6008	96
LM10741	MD4S100TCTMC61	100	897	10715	96
LM10744	SE4S125TCTMC61	125	1004	12003	96
LM10745	MD6S125TCTMC64PY	125	1419	18527	96
LM10748	MD4S150TCTMC64PY	150	1272	15941	96
LM10749	MD4S200TCTMC64PY	200	1482	19086	96
LM10750	MD4S250TCTMC64PY	250	1600	19874	96
LM10751	MD4S250TSCTSC64PY	250	1600	19874	96
LM12429			2	223	375
LM12430			2	672	375
LM12454			35	1085	375
LM12463			40	1403	375
LM12479			40	1403	375
LM13556	SF2P250TS64Y	250	1812	31733	51
LM13557	SF4P250T64Y	250	1812	27278	51
LM13559	SF2P300TS64Y	300	2185	38784	52
LM13560	SF4P300T64Y	300	2185	28519	52
LM13562	SF2350TS64Y	350	2185	43013	52
LM13563	SF4P350T64Y	350	2185	29538	52
LM13564	SF2P400TS64Y	400	2185	52538	52
LM13565	SF4P400T64Y	400	2185	39066	52
LM13582	SF2P250TSC64Y	250	1833	32593	74
LM13583	SF4P250TC64Y	250	1833	28177	74
LM13585	SF2P300TSC64Y	300	2206	39644	74
LM13588	SF2P350TSC64Y	350	2206	43875	74
LM13590	SF2P400TSC64Y	400	2206	53397	74
LM13591	SF4P400TC64Y	400	2206	39988	74
LM13696	SF6B25T61Y	25	519	6864	48
LM13697	SF6B30T61Y	30	558	6901	48
LM13698	SF2B40TS61Y	40	504	7036	49
LM13699	SF4B40T61Y	40	504	7490	49
LM13700	SF2B50TS61Y	50	558	7346	49
LM13701	SF4B50T61Y	50	585	7012	49
LM13702	SF6B100T64Y	100	1351	19723	50
LM13703	SF2B125TS64Y	125	1351	21148	50
LM13704	SF4B125T64Y	125	1351	18241	50
LM13705	SF6B125T64Y	125	1531	23932	50
LM13706	SF2B150TS64Y	150	1531	26176	51
LM13707	SF4B150T64Y	150	1531	21158	51
LM13709	SF2B200TS64Y	200	1531	33170	51
LM13710	SF4B200T64Y	200	1531	26167	51
LM13711	SF6B200T64Y	200	1812	32055	51
LM13712	SF2B250TS64Y	250	1812	40073	51
LM13713	SF4B250T64Y	250	1812	32944	51
LM13715	SF2B300TS64Y	300	2185	49885	52
LM13716	SF4B300T64Y	300	2185	36064	52
LM13719	SFB350TS64Y	350	2185	54320	52
LM13720	SF4B350T64Y	350	2185	44525	52
LM13721	SF2B400TS64Y	400	2185	66339	52
LM13722	SF4B400T64Y	400	2185	51201	52
LM13723	SF6B25TC61Y	25	514	6576	72
LM13724	SF6B30TC61Y	30	568	7241	73
LM13725	SF2B40TSC61Y	40	514	7519	73
LM13726	SF4B40TC61Y	40	514	7294	73
LM13727	SF2B50TSC61Y	50	568	7686	73
LM13728	SF4B59TC61Y	50	568	7018	73
LM13729	SF6B100TC64Y	100	1372	20527	74
LM13730	SF2B125TSC64Y	125	1372	21951	74
LM13731	SF4B125TC64Y	125	1372	19183	74
LM13732	SF6B125TC64Y	125	1552	24733	74
LM13733	SF2B150TSC64Y	150	1552	27095	74
LM13733	SF6B125TC64Y	125	1552	27095	74
LM13734	SF4B150TC64Y	150	1552	22092	74
LM13735	SF6B150TC64Y	150	1552	28853	74
LM13736	SF2B200TSC64Y	200	1552	33972	74
LM13737	SF4B200TC64Y	200	1525	27128	74
LM13739	SFB250TSC64Y	250	1833	40929	74
LM13740	SF4B250TC64Y	250	1833	33805	74
LM13742	SF2B300TSC64Y	300	2206	53282	74
LM13743	SF4B300TC64Y	300	1833	36923	74
LM13745	SF2B350TSC64Y	350	2206	55179	74
LM13746	SF4B350TC64Y	350	2206	45383	74
LM13747	SF2B400TSC64Y	400	2206	67197	74
LM13748	SF4B400TC64Y	400	2206	52062	74
LM13761	SD2P250TS64Y	250	1438	21793	38
LM13762	SD4P250T64Y	250	1438	20100	38
LM13764	SD2P300TS64Y	300	1745	25422	38
LM13765	SD4P300T64Y	300	1745	21221	38
LM13767	SD2P350TS64Y	350	1745	28776	38
LM13768	SD4P350T64Y	350	1745	24420	38

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LM13771	SD4P400T64Y	400	2112	30508	38
LM13787	SD2P250TSC64Y	250	1459	22618	64
LM13788	SD4P250TC64Y	250	1449	20900	64
LM13790	SD2P300TSC64Y	300	1766	26307	64
LM13791	SD5B100TC64Y	100	1298	16055	63
LM13792	SD6B125C64Y	125	1459	17339	63
LM13793	SD4B150TC64Y	150	1298	15057	63
LM13794	SD6B150TC64Y	150	1459	20545	63
LM13795	SDB200TSC64Y	200	1298	21255	64
LM13796	SD4B200TC64Y	200	1459	17448	64
LM13797	SD6B200TC64Y	200	1766	24274	64
LM13798	SD2B250TSC64Y	250	1459	28067	64
LM13799	SD4B250TC64Y	250	1459	26953	64
LM13802	SD2P350TSC64Y	350	1766	29693	64
LM13803	SD4P350TC64Y	350	1766	25330	64
LM13805	2D2P400TSC64Y	400	2133	32516	64
LM13806	SD4P400TC64Y	400	2133	31394	64
LM13809	SD6B25T61Y	25	469	5031	36
LM13810	SD6B30T61Y	30	522	6990	36
LM13811	SD4B40T61Y	40	469	5925	36
LM13812	SD2B50TS61Y	50	469	6392	36
LM13813	SD4B50T61Y	50	522	6966	36
LM13814	SD2B60TS61Y	60	522	6481	36
LM13815	SD6B100T64Y	100	1277	15227	37
LM13816	SD6B125T64Y	125	1438	16509	37
LM13817	SD4B150T64Y	150	1277	15178	37
LM13818	SD6B150T64Y	150	1438	20309	37
LM13819	SD2B200TS64Y	200	1277	20436	37
LM13820	SD4B200T64Y	200	1438	18668	37
LM13822	SD2B250TS64Y	250	1438	27250	38
LM13823	SD4B250T64Y	250	1438	26140	38
LM13825	SD2B300TS64Y	300	1745	32102	38
LM13826	SD4B300T64Y	300	1745	27056	38
LM13828	SD2B350TS64Y	350	1745	36340	38
LM13829	SD4B350T64Y	350	1745	33980	38
LM13831	SD2B400TS64Y	400	2112	42003	38
LM13832	SD4B400T64Y	400	2112	40761	38
LM13836	SD6B30TC61Y	30	532	6232	63
LM13837	SD4B40TC61Y	40	479	5099	63
LM13838	SD2B50TSC61Y	50	479	6369	63
LM13839	SD2P50TSC61Y	50	479	6755	63
LM13840	SD2B60TSC61Y	60	535	6707	63
LM13841	SD6B250TC64Y	250	1766	32068	64
LM13842	SDB300TSC64Y	300	1766	32986	64
LM13843	SD4B300TC64Y	300	1766	27939	64
LM13845	SD2B350TSC64Y	350	1766	37250	64
LM13846	SD4B350TC64Y	350	1766	34890	64
LM13848	SD2B400TSC64Y	400	2133	41702	64
LM13849	SD4B400TC64Y	400	2133	40492	64
LM13918	SF6B40T61Y	40	765	9359	49
LM13921	SF6B50T61Y	50	822	10118	49
LM13924	SDB40T61Y	40	712	7998	36
LM13927	SD6B50T61Y	50	763	9029	36
LM13938	SF6B60T61Y	60	918	11890	49
LM13939	SF2B100TS61Y	100	1002	16494	50
LM13940	SF4B100T61Y	100	1052	13646	50
LM13941	SF6B75T61Y	75	1002	15433	50
LM13942	SD2B125TS61Y	125	882	12474	37
LM13943	SD4B100T61Y	100	882	10004	37
LM13944	SD6B60T61Y	60	882	10359	36
LM13945	SD2B150TS61Y	150	958	16674	37
LM13946	SD4B125T61Y	125	958	10303	37
LM13947	SD6B75T61Y	75	958	13282	37
LM13960	AF2B25TS61Y	25	385	4376	48
LM13961	AF4B25T61Y	25	495	3713	48
LM13962	AF6B15T61Y	15	363	4166	47
LM13963	AF2B30TS61Y	30	602	4766	48
LM13964	AF4B30T61Y	30	426	4263	48
LM13965	AF6B20T61Y	20	485	4916	47
LM13966	SD2B30TS61Y	30	348	5973	36
LM13969	SD2B40TS61Y	40	389	6328	36
LM14395	SF2P40TS65Y	40	504	5005	211
LM14396	SF4P40T65Y	40	504	4813	211
LM14397	SF6P25T65Y	25	504	5352	211
LM14398	SF2P50TS65Y	50	558	6352	211
LM14399	SF4P50T65Y	50	558	5405	211
LM14400	SF6P30T65Y	30	570	6306	211
LM14401	SD2P50TS65Y	50	469	5677	218
LM14402	SD4P40T65Y	40	469	4170	218
LM14404	SD2P60TS65Y	60	522	5903	219
LM14405	SD4P50T65Y	50	522	4710	218
LM14407	SF2B40TS65Y	40	504	5788	211
LM14408	SF4B40T65Y	40	504	5565	211
LM14409	SF6B25T65Y	25	504	6237	211
LM14410	SF2B50TS65Y	50	558	7346	211
LM14411	SF4B50T65Y	50	558	6678	211
LM14412	SF6B30T65Y	30	558	6901	211
LM14535	SD6B25TC61Y	25	479	5429	63
LM14549	SF2P40TSC65Y	40	514	5344	215
LM14550	SF4P40TC65Y	40	518	5155	215
LM14551	SF6P25TC65Y	25	500	5693	215
LM14552	SF2P50TSC65Y	50	568	6694	215
LM14553	SF4P50TC65Y	50	568	5755	215
LM14554	SF6P30TC65Y	30	580	6308	215

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LM14556	SD4P40TC65Y	40	479	4517	220
LM14559	SD4P50TC65Y	50	535	5059	220
LM14561	SF2B40TSC65Y	40	514	6128	215
LM14562	SF4B40TC65Y	40	514	5904	215
LM14563	SF6B25TC65Y	25	514	6578	215
LM14564	SF2B50TSC65Y	50	568	7685	215
LM14565	SF4B50TC65Y	50	568	7018	215
LM14566	SF6B30TC65Y	30	568	7240	215
LM14642	CCS4P300T64Y	300	2572	34803	100
LM14643	CCS4P250T64Y	250	2572	32477	100
LM14644	CCS4P400T64Y	400	2883	49127	100
LM14645	CCS4P350T64Y	350	2883	38525	100
LM14751	SF4P250TS64Y	250	1812	27278	51
LM14808	SF2B60TS61Y	60	765	10683	49
LM14809	SF4B60T61Y	60	765	9856	49
LM14810	SF2B75TS61Y	75	822	11592	50
LM14811	SF4B75T61Y	75	822	11295	50
LM14812	SD2B75TS61Y	75	712	10466	37
LM14813	SD4B60T61Y	60	712	9518	36
LM14814	SD2B100TS61Y	100	763	10945	37
LM14815	SD4B75T61Y	75	763	9742	37
LM15061	SD4P300T65Y	300	1745	21221	219
LM15078	SF2P125TS65Y	125	1351	16750	212
LM15079	SF4P125T65Y	125	1351	15931	212
LM15080	SF6P100T65Y	100	1351	15865	212
LM15081	SF2P200TS65Y	200	1504	26270	212
LM15082	SF4P200T65Y	200	1531	22854	212
LM15083	SF6P150T65Y	150	1504	22212	212
LM15084	SF2P150TS65Y	150	1504	20730	212
LM15085	SF4P150T65Y	150	1531	18479	212
LM15086	SF6P125T65Y	125	1504	18951	212
LM15087	SF2P250TS65Y	250	1812	31733	213
LM15089	SF4P300T65Y	300	1800	28519	213
LM15091	SF6P200T65Y	200	1812	25387	212
LM15092	SF4P250T65Y	250	1812	27278	213
LM15093	SF2P400TS65Y	400	2185	52538	213
LM15094	SF4P400T65Y	400	2185	39066	213
LM15096	SF2P350TS65Y	350	2185	43013	213
LM15097	SF4P350T65Y	350	2185	31015	213
LM15098	S449F2P300TS65Y	300	2185	38785	213
LM15099	SF6P250T65Y	250	2185	31733	213
LM15100	SD2P200TS65Y	200	1277	16342	219
LM15101	SD4P150T65Y	150	1277	12381	219
LM15103	SD2P250TS65Y	250	1438	21793	219
LM15104	SD4P250T65Y	250	1438	20100	219
LM15106	SD4P200T65Y	200	1449	14497	219
LM15108	SD2P350TS65Y	350	1745	27965	219
LM15109	SD4P350T65Y	350	1745	24420	219
LM15111	SD2P300TS65Y	300	1745	25422	219
LM15116	SD2P400TS65Y	400	2112	31631	219
LM15117	SD4P400T65Y	400	2112	30508	219
LM15119	SF2B125TS65Y	125	1351	21148	212
LM15120	SF4B125T65Y	125	1351	19587	212
LM15121	SF6B100T65Y	100	1351	19723	212
LM15122	SF2B200TS65Y	200	1531	33170	212
LM15123	SF4B200T65Y	200	1531	27606	212
LM15124	SF6B150T65Y	150	1531	28048	212
LM15125	SF2B150TS65Y	150	1531	26176	212
LM15126	SF4B150T65Y	150	1531	22932	212
LM15127	SF6B125T65Y	125	1531	23932	212
LM15128	SF2B250TS65Y	250	1812	40073	213
LM15129	SF4B300T65Y	300	1812	36064	213
LM15130	SF4B250T65Y	250	1812	32944	213
LM15131	SF6B200T65Y	200	1812	32055	212
LM15132	SF2B400TS65Y	400	2185	66339	213
LM15133	SF4B400T65Y	400	2185	51201	213
LM15135	SF2B350TS65Y	350	2185	54320	213
LM15136	SF4B350T65Y	350	2185	44525	213
LM15137	SF6B250T65Y	250	2185	40062	213
LM15138	S449F2B300TS65Y	300	2185	49885	213
LM15159	SD4P350T64Y	350	1745	24420	38
LM15263	SF4B100TC61Y	100	1018	14407	74
LM15308	SF4P300TC64Y	300	1833	29442	74
LM15312	SD4P300TC64Y	300	1766	22097	64
LM15400	SF4P350TC64Y	350	2206	30460	74
LM15466	SD4P250TS64Y	250	1438	20100	38
LM15562	SF2B60TSCC61Y	60	777	10257	73
LM15563	SF4B60TC61Y	60	777	9592	73
LM15565	SF6B40TC61Y	40	777	9553	73
LM15566	SF2B75TSC61Y	75	834	12284	73
LM15567	SF4B75TC61Y	75	834	11919	73
LM15568	SF6B50TC61Y	50	834	10664	73
LM15569	SD2B75TSC61Y	75	724	10095	63
LM15570	SD4B60TC61Y	60	724	9454	63
LM15571	SD6B40TC61Y	40	724	8641	63
LM15572	SD2B100TSC61Y	100	775	11507	63
LM15573	SD4B75TSC61Y	75	775	9675	63
LM15574	SD6B50TC61Y	50	775	9681	63
LM15599	SD2P40TS65Y	40	389	4164	218
LM15646	AAF2B3T61	3	83	1283	45
LM15647	AAF4B3T61	3	83	928	45
LM15648	AAF6B1.5T61	1 1/2	83	972	44
LM15649	AAF2BT61	5	89	1376	46
LM15650	AAF4B5T61	5	104	1086	46
LM15651	AAF6B2T61	2	92	1081	45

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LM17388	SD2B125TSC61Y	125	898	14735	63
LM17389	SD4B125TC61Y	125	974	11248	63
LM17390	SD2B150TSC614	150	974	17342	63
LM17594	CCS4P250T64	250	2572	32476	100
LM17597	CCS6P250T64	250	2883	39513	100
LM17598	CCS6P300T64	300	2883	50566	100
LM17599	CCS4P350T64	350	2883	38525	100
LM17600	CCS4P400T64	400	2883	49127	100
LM17601	CCS2P300TS64	300	2883	48297	100
LM17602	CCS2P350TS64	350	2883	53565	100
LM17685	SF4P200TC65Y	200	1537	23692	216
LM17701	CC449S4P250T64PYRBT1	250	2760	35788	242
LM17702	CCS6P250T64PYRBT1	250	3408	42664	242
LM17704	CCS6P300T64PYRBT1	300	3500	53499	242
LM17705	CCS4P350T64PYRBT1	350	3218	44099	242
LM17706	CCS4P400T64PYRBT1	400	3400	51555	242
LM17714	SF4P250T64PYRBT1	250	1812	30043	242
LM17715	SF6P250T64PYRBT1	250	2185	35685	242
LM17716	SF4P300T64PYRBT1	300	1812	30519	242
LM17718	SF4P350T64PYRBT1	350	2185	31469	242
LM17719	SF4P400T64PYRBT1	400	2185	40343	242
LM17733	SF6B100T64PYRBT1	100	1351	22636	242
LM17734	SF4B125T64PYRBT1	125	1351	22504	242
LM17735	SF6B125T64PYRBT1	125	1531	27404	242
LM17736	SF4B150T64PYRBT1	150	1531	26401	242
LM17737	SF6B150T64PYRBT1	150	1531	31521	242
LM17738	SF4B200T64PYRBT1	200	1531	31078	242
LM17740	SF6B200T64PYRBT1	200	1812	35751	242
LM17741	SF4B250T64PYRBT1	250	1812	36641	242
LM17742	SF6B250T64PYRBT1	250	2185	43766	242
LM17743	SF4B300T64PYRBT1	300	1812	39759	242
LM17744	SF6B300T64PYRBT1	300	2185	54897	242
LM17745	SF4B350T64PYRBT1	350	2185	48219	242
LM17746	SF4B400T64PYRBT1	400	2185	55455	242
LM17953	SF4P300T64Y	300	1812	28519	52
LM17954	SD4P350T64Y	350	2112	26135	38
LM17956	SF4B300T64Y	300	2185	36064	52
LM17957	SD4B350T64Y	350	2112	35680	38
LM17958	SD6B250T64Y	250	2112	32745	38
LM18288	SF6P60T65Y	60	918	9943	212
LM18289	SF6B60T65Y	60	918	11890	212
LM18290	SF2P100TS65Y	100	1002	13753	212
LM18291	SF2B100TS65Y	100	1002	16494	212
LM18292	SF4P100T65Y	100	1002	11918	212
LM18293	SF6B75T65Y	75	1002	15433	212
LM18294	SF6P75T65Y	75	1002	12904	212
LM18296	SD2P125TS65Y	125	882	11138	219
LM18298	SD4P100T65Y	100	882	7989	219
LM18302	SD2P150TS65Y	150	958	13318	219
LM18306	SD4P125T65Y	125	958	9199	219
LM18307	SF4B100T65Y	100	1002	14670	212
LM18319	SF4P300TS64Y	300	1812	28519	52
LM18347	SF4P300TS64Y	300	2185	28519	52
LM18365	SF6P40T65Y	40	765	6929	211
LM18366	SF4P60T65Y	60	765	7821	212
LM18367	SF2P60TS65Y	60	765	7797	212
LM18368	SF6B40T65Y	40	765	8094	211
LM18369	SF4B60T65Y	60	765	8905	212
LM18370	SF2B60TS65Y	60	765	9110	212
LM18371	SF6P50T65Y	50	822	8666	211
LM18372	SF4P75T65Y	75	822	9865	212
LM18373	SF2P75TS65Y	75	822	10052	212
LM18374	SF6B50T65Y	50	822	10119	211
LM18375	SF4B75T65Y	75	822	11636	212
LM18376	SF2B75TS65Y	75	822	11737	212
LM18378	SD4P60T65Y	60	712	5967	219
LM18379	SD2P75TS65Y	75	712	7896	219
LM18384	SD4P75T65Y	75	763	7518	219
LM18385	SD2P100TS65Y	100	763	9171	219
LM18757	S449F4P300T64PYRBT1	300	2185	31847	242
LM18759	SF4B100T64PYRBT1	100	1002	17139	242
LM18864			2	203	375
LM18865			2	203	375
LM18866			3	293	375
LM18866			3	293	375
LM18867			3	334	375
LM18868			35	738	375
LM18869			3	334	375
LM18870			4	445	375
LM18871			40	1213	375
LM18872			2	159	375
LM18873			2	203	375
LM18874			1	203	375
LM18876			1	293	375
LM19193	SF4P300TC64Y	300	2206	30868	74
LM19530	CCF4P50U64	50	1063	11235	108
LM19531	CCF6P30U64	30	1160	9711	108
LM19532	CCF2P60US64	60	1130	11233	108
LM19533	CCF6P50U64	50	1110	14446	108
LM19534	CCF4P100U64	100	1787	21386	108
LM19535	CCF6P75U64	60	1787	20112	108
LM19571	CCF2P250TS64Y	250	2685	35921	51
LM19572	CCF4P250T64Y	250	2760	29525	51
LM19574	CCF2P300TS64Y	300	2850	43907	52
LM19575	CCF4P300T64Y	300	2980	31639	52

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LM19577	CCF2P350TS64Y	350	3050	48695	52
LM19578	CCF4P350T64Y	350	3218	35023	52
LM19580	CCF4P400T64Y	400	3263	44661	52
LM19594	AF2P30TS65Y	30	408	3916	211
LM19595	AF4P30T65Y	30	585	3739	211
LM19596	AF2P30TSC65Y	30	415	4120	215
LM19597	AF4P30TC65Y	30	415	3945	215
LM19598	SF6P40TC65Y	40	777	7474	215
LM19599	SF6P50TC65Y	50	834	9211	215
LM19600	SF2P60TSC65Y	60	777	8344	216
LM19601	SF6P60TC65Y	60	934	10591	216
LM19602	SF2P75TSC65Y	75	834	10597	216
LM19603	SF4P60TC65Y	60	778	8378	216
LM19604	SF6P75TC65Y	75	1018	13551	216
LM19605	SF2P100TSC65Y	100	1018	14400	216
LM19606	SF4P100TC65Y	100	1018	12582	216
LM19607	SF6P100TC65Y	100	1372	16669	216
LM19608	SF2P125TSC65Y	125	1372	17551	216
LM19609	SF4P125TC65Y	125	1372	16753	216
LM19610	SF6P125TC65Y	125	1525	19751	216
LM19611	SF2P150TSC65Y	150	1525	21534	216
LM19612	SF4P150TC65Y	150	1525	19294	216
LM19613	SF6P150TC65Y	150	1525	23016	216
LM19614	SF2P200TSC65Y	200	1525	27071	216
LM19615	SF6P200TC65Y	200	1833	26246	216
LM19616	SF2P250TSC65Y	250	1833	32593	216
LM19617	SF4P250TC65Y	250	1833	28177	216
LM19619	S449F2P300TSC65Y	300	2206	39644	217
LM19620	SF4P300TC65Y	300	1833	29441	217
LM19623	SF2P350TSC65Y	350	2206	43875	217
LM19624	SF4P350TC65Y	350	2206	30460	217
LM19625	SF2P400TSC65Y	400	2206	53397	217
LM19626	SF4P400TC65Y	400	2206	39988	217
LM19713	SD4P60TC65Y	60	724	6386	220
LM19716	SD4P75TC65Y	75	771	6889	220
LM19719	SD4P100TC65Y	100	898	8656	220
LM19722	SD4P125TC65Y	125	974	9867	220
LM19725	SD4P150TC65Y	150	1292	13207	220
LM19728	SD4P200TC65Y	200	1470	15306	220
LM19731	SD4P250TC65Y	250	1459	20900	220
LM19734	SD4P300TC65Y	300	1766	22097	220
LM19747	CCF6B25T61Y	25	637	6638	48
LM19748	CCF6B30T61Y	30	689	7535	48
LM19749	CCF2B40TS61Y	40	664	6262	49
LM19750	CCF4B40T61Y	40	602	5766	49
LM19751	CCF6B40T61Y	40	835	9709	49
LM19752	CCF2B50TS61Y	50	732	8045	49
LM19753	CCF4B50T61Y	50	744	7200	49
LM19754	CCF6B50T61Y	50	955	11476	49
LM19755	CCF2B60TS61Y	60	918	10360	49
LM19756	CCF4B60T61Y	60	980	10550	49
LM19757	CCF6B60T61Y	60	1156	10591	49
LM19758	CCF2B75TS61Y	75	1001	13128	50
LM19759	CCF4B75T61Y	75	1018	12598	50
LM19760	CCF6B75T61Y	75	1280	16421	50
LM19762	CCF4B100T61Y	100	1338	15937	50
LM19765	CCF4B125T64Y	125	1874	20338	50
LM19768	CCF4B150T64Y	150	2070	23781	51
LM19985			2	203	375
LM20028	CCF6P10U64	10	525	4322	107
LM20029	CCF4P20U64	20	525	4968	108
LM20030	CCF4P30U64	30	748	7262	108
LM20031	CCF6P20U64	20	750	7106	108
LM20035	SF6B40TC65Y	40	777	8641	215
LM20036	SF6B50TC65Y	50	834	10664	215
LM20037	SF2B60TSC65Y	60	777	9653	216
LM20038	SF4B60TC65Y	60	778	10057	216
LM20039	SF6B60TC65Y	60	934	12536	216
LM20040	SF2B75TSC65Y	75	834	12284	216
LM20041	SF4B75TC65Y	75	834	12180	216
LM20042	SF6B75TC65Y	75	1018	16078	216
LM20043	SF2B100TSC65Y	100	1018	17140	216
LM20044	SF4B100TC65Y	100	1001	15320	216
LM20045	SF6B100TC65Y	100	1372	20527	216
LM20046	SF2B125TSC65Y	125	1372	21950	216
LM20047	SF4B125TC65Y	125	1372	20392	216
LM20048	SF6B125TC65Y	125	1552	24733	216
LM20049	SF2B150TSC65Y	150	1552	27095	216
LM20050	SF4B150TC65Y	150	1552	23735	216
LM20051	SF6B150TC65Y	150	1552	28853	216
LM20052	SF2B200TSC65Y	200	1552	33972	216
LM20053	SF4B200TC65Y	200	1552	28408	216
LM20054	SF6B200TC65Y	200	1833	32915	216
LM20055	SF2B250TSC65Y	250	1833	40929	216
LM20056	SF4B250TC65Y	250	1833	33805	216
LM20058	S449F2B300TSC65Y	300	2206	50744	217
LM20059	SF4B300TC65Y	300	1833	36923	217
LM20061	SF2B350TSC65Y	350	2206	55179	217
LM20062	SF4B350TC65Y	350	2206	45383	217
LM20063	SF2B400TSC65Y	400	2206	67197	217
LM20064	SF4B400TC65Y	400	2206	52061	217
LM20081	SD2P30TS65Y	30	348	3222	218
LM20085	AF2B30TS65Y	30	485	4577	211
LM20086	AF4B30T65Y	30	408	4838	211
LM20087	AF2B30TSC65Y	30	415	4779	215

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LM20088	AF4B30TC65Y	30	415	5039	215
LM20116			28	357	369
LM20389	CCF6P7.5U64	7 1/2	332	3526	107
LM20390	CCF4P10U64	10	260	2943	107
LM20391	CCF6P3U64	3	170	1982	107
LM20392	CCF4P5U64	5	170	1844	107
LM20393	CCF2P7.5U64	7 1/2	170	1786	107
LM20394	CCF2P15U64	15	260	2724	107
LM20488	SE6S30TC61	30	482	5602	95
LM20655	SREW4S0.5T61	1/2	26	1016	139
LM20656	SREW4S0.5TC61	1/2	35	1068	140
LM20657	SREW4S0.5TCN61	1/2	35	1068	141
LM20658	SREW4S0.75T61	3/4	24	1054	139
LM20659	SREW4S0.75TC61	3/4	35	1104	140
LM20660	SREW4S0.75TCN61	3/4	35	1104	141
LM20661	SREW4S1TC61	1	35	1152	140
LM20662	SREW4S1TCN61	1	35	1152	141
LM20663	SREW4S1.5TC61	1 1/2	35	1204	140
LM20664	SREW4S1.5TCN61	1 1/2	35	1204	141
LM20665	SREW4S2TC61	2	40	1460	140
LM20666	SREW4S2TCN61	2	40	1460	141
LM20667	SSEW4S1T61	1	35	1103	139
LM20668	SSEW4S1TC61	1	40	1152	140
LM20669	SSEW4S1TCN61	1	40	1152	141
LM20670	SSEW4S1.5T61	1 1/2	35	1150	139
LM20671	SSEW4S1.5TC61	1 1/2	40	1204	140
LM20672	SSSEW4S1.5TCN61	1 1/2	40	1204	141
LM20673	SSEW4S2T61	2	35	1376	139
LM20674	SSEW4S2TC61	2	40	1427	140
LM20675	SSEW4S2TCN61	2	40	1426	141
LM20676	SSEW4S3T61	3	64	1796	139
LM20677	SSEW4S3TC61	3	73	1874	140
LM20678	SSEW4S3TCN61	3	73	1874	141
LM20679	SSEW4S5T61	5	70	2043	139
LM20680	SSEW4S5TC61	5	79	2120	140
LM20681	SSEW4S5TCN61	5	79	2120	141
LM20695	SD4P250TSC64Y	250	1459	20900	64
LM20707	CCF2P3U64	3	120	1339	107
LM20708	CCF4P2U64	2	120	1209	107
LM20709	CCN6P1.5U64	1 1/2	99	1443	107
LM21031	SREW2S0.5T61	1/2	30	943	139
LM21032	SREW2S0.5TC61	1/2	35	993	140
LM21033	SREW2S0.5TCN61	1/2	35	993	141
LM21034	SREW2S0.75T61	3/4	30	1000	139
LM21035	SREW2S0.75TC61	3/4	35	1052	140
LM21036	SREW2S0.75TCN61	3/4	35	1052	141
LM21037	SREW2S1T61	1	30	1087	139
LM21038	SREW2S1TC61	1	35	1141	140
LM21039	SREW2S1TCN61	1	35	1138	141
LM21040	SREW2S1.5T61	1 1/2	30	1160	139
LM21041	SREW2S1.5TC61	1 1/2	35	1212	140
LM21042	SREW2S1.5TCN61	1 1/2	35	1212	141
LM21043	SREW2S2T61	2	34	1291	139
LM21044	SREW2S2TC61	2	40	1342	140
LM21045	SREW2S2TCN61	2	40	1342	141
LM21046	SSEW2S1.5T61	1 1/2	35	1206	139
LM21047	SSEW2S1.5TC61	1 1/2	40	1254	140
LM21048	SSEW2S1.5TCN61	1 1/2	40	1254	141
LM21049	SSEW2S2T61	2	35	1344	139
LM21050	SSEW2S2TC61	2	40	1394	140
LM21051	SSEW2S2TCN61	2	40	1394	141
LM21052	SSEW2S3T61	3	64	1605	139
LM21053	SSEW2S3TC61	3	73	1682	140
LM21054	SSEW2S3TCN61	3	73	1686	141
LM21055	SSEW2S5T61	5	70	2272	139
LM21056	SSEW2S5TC61	5	79	2348	140
LM21057	SSEW2S5TCN61	5	79	2354	141
LM21061	SREW4S1T61	1	30	1103	139
LM21062	SREW4S1.5T61	1 1/2	30	1150	139
LM21063	SREW4S2T61	2	34	1410	139
LM21084	CCN2P1.5U64	1 1/2	108	986	107
LM21085	CCF2P2U64	2	120	1087	107
LM21086	CCF2P5U64	5	170	1484	107
LM21087	CCF2P10U64	10	260	2138	107
LM21088	CCF2P20U64	20	525	3704	108
LM21089	CCF2P25U64	25	748	4751	108
LM21090	CCF2P30U64	30	748	5730	108
LM21091	CCF2P40US64	40	908	7483	108
LM21092	CCF2P50US64	50	980	9441	108
LM21093	CCF2P75US64	60	1685	14761	108
LM21094	CCF2P100US64	100	1685	19507	108
LM21118	SD4P50T61YQ40	50	522	5067	85
LM21121	SD4P60T61YQ40	60	595	5196	85
LM21124	SD4P75T61YQ40	75	763	6634	85
LM21127	SD4P100T61YQ40	100	882	8494	85
LM21148	SSD4P1T61Q40	1	55	702	85
LM21151	SSD4P1.5T61Q40	1 1/2	68	733	85
LM21153	SSD4P2T61Q40	2	68	773	85
LM21157	SSD4P3T61Q40	3	82	877	85
LM21159	SSD4P5T61Q40	5	71	1121	85
LM21162	SSD4P7.5T61Q40	7 1/2	141	1287	85
LM21165	SSD4P10T61Q40	10	168	1513	85
LM21168	SSD4P15T61Q40	15	245	2160	85
LM21170	SSD6P10T61Q40	10	255	2318	85
LM21171	SSD4P20T61Q40	20	255	2390	85
LM21174	SD4P25T61YQ40	25	355	1732	85
LM21177	SD4P30T61YQ40	30	504	2474	85
LM21180	SD4P40T61YQ40	40	469	4538	85
LM21188	AAF6P1.5T61Q40	1 1/2	83	1033	82
LM21189	AAF2P3T61Q40	3	83	1057	82
LM21190	AAF4P3T61Q40	3	83	975	82
LM21191	AAF6P2T61Q40	2	92	1107	82
LM21192	AAF2P5T61Q40	5	92	1229	82
LM21193	AAF4P5T61Q40	5	92	1086	82
LM21194	AF6P3T61Q40	3	127	1269	82
LM21195	AF2P7.5T61Q40	7 1/2	127	1662	82
LM21196	AF4P7.5T61Q40	7 1/2	127	1431	82
LM21197	AAF6P5T61Q40	5	138	1870	82
LM21198	AF2P10T61Q40	10	138	1724	82
LM21199	AF4P10T61Q40	10	138	1600	82
LM21200	AAF6P7.5T61Q40	7 1/2	209	2380	82
LM21201	AAF2P15T61Q40	15	209	2427	83
LM21202	AF4P15T61Q40	15	209	2300	83
LM21203	AAF6P10T61Q40	10	236	3050	82
LM21204	AF2P20T61Q40	20	236	2785	83
LM21205	AF4P20T61Q40	20	236	2665	83
LM21206	AF6P15T61YQ40	15	363	3862	83
LM21207	AF2P25TS61YQ40	25	363	3612	83
LM21208	AF4P25T61YQ40	25	363	3500	83
LM21209	AF6P20T61YQ40	20	408	4274	83
LM21210	AF2P30TS61YQ40	30	408	4115	83
LM21211	AF4P30T61YQ40	30	408	4094	83
LM21212	SF6P25T61YQ40	25	504	5107	83
LM21213	SF2P40TS61YQ40	40	504	5374	83
LM21214	SF4P40T61YQ40	40	504	5308	83
LM21215	SF6P30T61YQ40	30	570	7138	83
LM21216	SF2P50TS61YQ40	50	558	6848	83
LM21217	SF4P50T61YQ40	50	558	5696	83
LM21218	SF6P40T61YQ40	40	765	7483	83
LM21219	SF2P60TS61YQ40	60	765	10207	83
LM21220	SF4P60T61YQ40	60	765	8254	83
LM21221	SF6P50T61YQ40	50	822	9282	83
LM21222	SF2P75TS61YQ40	75	822	10669	83
LM21223	SF4P75T61YQ40	75	822	10485	83
LM21224	SF6P60T61YQ40	60	918	10845	83
LM21225	SF6P75T61YQ40	75	1002	13227	83
LM21226	SF2P100TS61YQ40	100	1002	14527	83
LM21227	SF4P100T61YQ40	100	1002	13582	83
LM21228	SF6P100T64YQ40	100	1351	17227	83
LM21229	SF2P125TS64YQ40	125	1351	17878	83
LM21230	SF4P125T64YQ40	125	1351	16873	83
LM21231	SF6P125T64YQ40	125	1504	19885	83
LM21232	SF2P150TS64YQ40	150	1504	21107	83
LM21233	SF4P150T64YQ40	150	1504	19519	83
LM21234	SF6P150T64YQ40	150	1504	22830	83
LM21235	SF2P200TS64YQ40	200	1504	24700	83
LM21236	SF4P200T64YQ40	200	1504	23220	83
LM21237	SF6P200T64YQ40	200	1812	24806	83
LM21238	SF4P250T64YQ40	250	1812	27943	83
LM21239	SF4P300T64YQ40	300	2315	30243	83
LM21240	SF2P250TS64YQ40	250	2185	29031	83
LM21242	SF2P300TS64YQ40	300		27943	83
LM21243	SF2B350TS64YQ40	350		56666	83
LM21244	SF4P350T64YQ40	350	2185	29860	83
LM21378	CCN4P1U64	1	110	1073	107
LM21379	CCN6P0.75U64	3/4	89	1141	107
LM21380	CCN4P1.5U64	1 1/2	108	1149	107
LM21381	CCN6P1U64	1	108	1312	107
LM21382	CCF4P3U64	3	170	1391	107
LM21383	CCF6P2U64	2	170	1600	107
LM21384	CCF4P7.5U64	7 1/2	260	2422	107
LM21385	CCF6P5U64	5	260	2904	107
LM21386	CCF4P25U64	25	748	6216	108
LM21387	CCF6P15U64	15	750	5816	107
LM21388	CCF4P40U64	40	977	9575	108
LM21389	CCF6P25U64	25	1160	8579	108
LM21390	CCF6P40U64	40	1110	12506	108
LM21391	CCF4P60U64	60	1110	13947	108
LM21392	CCF4P75U64	60	1787	17203	108
LM21393	CCF6P60U64	60	1787	16963	108
LM21665	CCF4P15U64	15	525	4042	107
LM21798	CCF2P40U64	40	908	7483	108
LM21799	CCF2P50U64	50	980	9441	108
LM21800	CCF2P60U64	60	1130	11233	108
LM21801	CCF2P75U64	60	1685	14761	108
LM21802	CCF2P100U64	100	1685	19507	108
LM21807	CCF2P25US64	25	748	4751	108
LM21808	CCF4P25US64	25	748	6216	108
LM21809	CCF6P15US64	15	750	5815	107
LM21810	CCF2P30US64	30	748	5730	108
LM21811	CCF4P30US64	30	748	7263	108
LM21812	CCF6P20US64	20	750	7106	108
LM21813	CCF4P40US64	40	977	9576	108
LM21814	CCF6P25US64	25	1160	8580	108
LM21815	CCF4P50US64	50	1063	11235	108
LM21816	CCF6P30US64	30	1160	9711	108
LM21817	CCF6P40US64	40	1110	12507	108
LM21818	CCF4P60US64	60	1110	13947	108
LM21819	CCF6P50US64	50	1110	14446	108
LM21821	CCF4P75US64	60	1787	17203	108

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LM21823	CCF4P100US64	100	1787	21386	108
LM21824	CCF6P75US64	60	1787	20112	108
LM21826	CCN2P1.5UC64	1 1/2	120	1062	109
LM21827	CCN4P1UC64	1	120	1149	109
LM21828	CCN6P0.75UC64	3/4	120	1215	109
LM21829	CCF2P3UC64	3	132	1394	109
LM21831	CCF2P2UC64	2	132	1167	109
LM21832	CCF4P2UC64	2	132	1286	109
LM21833	CCN4P1.5UC64	1 1/2	120	1224	109
LM21834	CCN6P1.5UC64	1 1/2	120	1521	109
LM21835	CCN6P1UC64	1	120	1384	109
LM21836	CCF2P5UC64	5	181	1558	109
LM21837	CCF4P3UC64	3	181	1479	109
LM21838	CCF6P2UC64	2	181	1689	109
LM21839	CCF2P7.5UC64	7 1/2	181	1874	109
LM21840	CCF4P5UC64	5	181	1934	109
LM21841	CCF6P3UC64	3	181	2071	109
LM21842	CCF2P10UC64	10	272	2255	109
LM21843	CCF4P7.5UC64	7 1/2	272	2542	109
LM21844	CCF6P5UC64	5	272	2873	109
LM21845	CCF2P15UC64	15	272	2840	109
LM21846	CCF4P10UC64	10	272	3061	109
LM21847	CCF6P7.5UC64	7 1/2	344	3643	109
LM21848	CCF4P15UC64	15	531	4248	109
LM21849	CCF6P10UC64	10	531	4523	109
LM21850	CCF2P20UC64	20	531	3907	109
LM21851	CCF4P20UC64	20	531	5170	109
LM21852	CCF2P25UC64	25	755	5847	109
LM21853	CCF4P25UC64	25	755	6555	109
LM21854	CCF6P15UC64	15	757	6156	109
LM21855	CCF2P30UC64	30	755	6071	109
LM21856	CCF4P30UC64	30	755	7600	109
LM21857	CCF6P20UC64	20	757	7447	109
LM21858	CCF2P40UC64	40	917	8028	110
LM21859	CCF4P40UC64	40	986	10121	110
LM21860	CCF6P25UC64	25	1169	9123	109
LM21861	CCF2P50UC64	50	989	9988	110
LM21862	CCF4P50UC64	50	1072	11781	110
LM21863	CCF6P30UC64	30	1169	10254	109
LM21864	CCF6P40UC64	40	1123	13157	110
LM21865	CCF2P60UC64	60	1143	11880	110
LM21866	CCF4P60UC64	60	1123	14597	110
LM21867	CCF6P50UC64	50	1123	15094	110
LM21868	CCF2P75UC64	75	1708	15563	110
LM21869	CCF4P75UC64	75	1810	18005	110
LM21870	CCF6P60UC64	60	1810	17764	110
LM21871	CCF2P100UC64	100	1708	20309	110
LM21872	CCF4P100UC64	100	1810	22186	110
LM21873	CCF6P75UC64	75	1810	20915	110
LM21877	CCF2P75USC64	75	1708	15564	110
LM21878	CCF4P25USC64	25	755	6556	109
LM21879	CCF6P15USC64	15	757	6156	109
LM21880	CCF2P30USC64	30	755	6071	109
LM21881	CCF4P30USC64	30	755	7600	109
LM21882	CCF6P20USC64	20	757	7447	109
LM21883	CCF2P40USC64	40	917	8029	110
LM21884	CCF4P40USC64	40	986	10121	110
LM21885	CCF6P25USC64	25	1169	9125	109
LM21886	CCF2P50USC64	50	989	9988	110
LM21887	CCF4P50USC64	50	1072	11779	110
LM21888	CCF6P30USC64	30	1169	10254	109
LM21889	CCF6P40USC64	40	1123	13156	110
LM21890	CCF2P60USC64	60	1143	11879	110
LM21891	CCF4P60USC64	60	1123	14597	110
LM21892	CCF6P50USC64	50	1123	15094	110
LM21893	CCF2P25USC64	25	755	5094	109
LM21894	CCF4P75USC64	75	1810	18005	110
LM21895	CCF6P60USC64	60	1810	17765	110
LM21896	CCF2P100USC64	100	1708	20309	110
LM21897	CCF4P100USC64	100	1810	22186	110
LM21898	CCF6P75USC64	75	1810	20915	110
LM22093			2	203	375
LM22163	SREW6S0.75T61	3/4	33	1292	139
LM22188			2	203	375
LM22207	CC449F4P250T6024	250	2920	73302	229
LM22210	CCS6P350LS64Y	350	5500	37043	100
LM22211	CCS6P400L64Y	400	5500	105955	100
LM22212	CCS4P450LS64Y	450	5500	100749	100
LM22213	CCS4P500LS64Y	500	5500	116926	100
LM22214	CC5011S8P150LS6024	150	5500	102312	229
LM22215	CC5011S8P200LS6024	200	5500	108000	229
LM22216	CC449F6P150T6024	150	2850	79813	229
LM22217	CC449F6P200T6024	200	2875	85955	229
LM22218	CC447F4P150T6024	150	2850	63409	229
LM22219	CC447F4P200T6024	200	2875	67430	229
LM22220	CC449F4P300T6024	300	2970	82449	229
LM22221	CC5011S6P250LS6025	250	5500	87509	229
LM22222	CC5011S6P300LS6024	300	5500	92859	229
LM22223	CC5011S6P350LX6024	350	5500	100336	229
LM22224	CC5011S6P400LS6024TD2	400	5500	106937	229
LM22225	CC5011S4P350LS6024	350	5500	86638	229
LM22226	CC5011S4P400LX6024TD2	400	5500	89332	229
LM22227	CC5011S4P450LX6024TD2	450	5500	95055	229
LM22423	SSEW2S7.5T61	7 1/2	109	2828	139
LM22424	SSEW2S7.5TC61	7 1/2	121	2916	140
LM22425	SSEW2S7.5TCN61	7 1/2	121	2916	141
LM22426	SSEW2S10T61	10	125	3373	139
LM22427	SSEW2S10TC61	10	139	3461	140
LM22428	SSEW2S10TCN61	10	139	3461	141
LM22435	SSEW4S7.5T61	7 1/2	109	2600	139
LM22436	SSEW4S7.5TC61	7 1/2	121	2690	140
LM22437	SSEW4S7.5TCN61	7 1/2	121	2690	141
LM22438	SSEW4S10T61	10	125	2970	139
LM22439	SSEW4S10TC61	10	139	3059	140
LM22440	SSEW4S10TCN61	10	139	3059	141
LM22488	CC5011S4P500LX6024TD2	500	5500	100774	229
LM22489	CCS4P600LS64Y	600	5500	160625	100
LM22644	SRF4S0.33T61Q40	1/3	28	563	82
LM22645	SRF4S0.33TC61Q40	1/3	33	613	84
LM22646	SRF2S0.5T61Q40	1/2	28	543	82
LM22647	SRF2S0.5TC61Q40	1/2	33	594	84
LM22648	SRF4S0.5T61Q40	1/2	28	647	82
LM22649	SRF4S0.5TC61Q40	1/2	33	699	84
LM22650	SRF6S0.5T61Q40	1/2	28	772	82
LM22651	SRF6S0.5TC61Q40	1/2	33	823	84
LM22652	SRF2S0.75T61Q40	3/4	28	577	82
LM22653	SRF2S0.75TC61Q40	3/4	33	628	84
LM22654	SRF4S0.75T61Q40	3/4	28	659	82
LM22655	SRF4S0.75TC61Q40	3/4	33	709	84
LM22656	SRF6S0.75T61Q40	3/4	36	783	82
LM22657	SRF6S0.75TC61Q40	3/4	28	833	84
LM22658	SRF2S1T61Q40	1	28	659	82
LM22659	SRF2S1TC61Q40	1	33	709	84
LM22660	SRF4S1T61Q40	1	28	679	82
LM22661	SRF4S1TC61Q40	1	28	729	84
LM22662	SRF2S1.5T61Q40	1 1/2	28	706	82
LM22663	SRF2S1.5TC61Q40	1	28	755	84
LM22664	SRF4S1.5T61Q40	1 1/2	28	749	82
LM22665	SRF4S1.5TC61Q40	1	36	799	84
LM22666	SRF2S2T61Q40	2	36	759	82
LM22667	SRF2S2TC61Q40	2	36	812	84
LM22758	SD4P300TS64Y	300	1745	21221	38
LM22759	SD4P400TS64Y	400	2112	30508	38
LM22822	AAF6P1.5TC61Q40	1	95	1110	84
LM22825	AAF6P2TC61Q40	2	104	1184	84
LM22826	AAF2P3TC61Q40	3	95	1135	84
LM22827	AAF4P3TC61Q40	3	95	1054	84
LM22828	AF6P3TC61Q40	3	138	1357	84
LM22829	AAF2P5TC61Q40	5	104	1300	84
LM22830	AAF4P5TC61Q40	5	104	1167	84
LM22832	AF2P7.5TC61Q40	7 1/2	138	1498	84
LM22833	AAF4P7.5TC61Q40	7 1/2	138	1460	84
LM22834	AF6P7.5TC61Q40	7 1/2	221	2606	84
LM22835	AF2P10TC61Q40	10	149	1877	84
LM22836	AF4P10TC61Q40	10	149	1692	84
LM22837	AF6P10TC61Q40	10	248	2985	84
LM22838	AF2P15TC61Q40	15	221	2185	84
LM22839	AF4P15TC61Q40	15	221	2420	84
LM22840	AF2P20TC61Q40	20	248	3629	84
LM22841	AF4P20TC61Q40	20	248	2786	84
LM22908	CCS2P250TS64	250	2572	39512	100
LM22909	CCS4P300T64	300	2572	34803	100
LM23769	CCN6G0.75UC64	3/4	108	961	109
LM23781	CCN4P1UCN64	1	108	1149	111
LM23782	CCF4P2UCN64	2	132	1286	111
LM23783	CCN4P1.5UCN64	1 1/2	120	1224	111
LM23784	CCF4P7.5UCN64	7 1/2	385	2542	111
LM23854	CCF4P3UCN64	3	175	1700	111
LM23931	SSEW6S7.5T61	7 1/2	208	5623	139
LM24037	CCN6P1UCN64	1	112	1384	111
LM24057			33	517	366
LM24058			33	779	366
LM24059			53	1026	366
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LM24061			98	1240	366
LM24062			20	357	366
LM24063			47	465	366
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LM24067			88	1120	366
LM24068			98	1240	366
LM24069			98	1240	366
LM24072	CCF4P5UCN64	5	181	2109	111
LM24073	SRF4S0.5T61	1/2	18	445	43
LM24074	SRF4S0.5TC61	1/2	18	494	69
LM24075	SRF4S0.75T61	3/4	30	478	43
LM24076	SRF4S0.75TC61	3/4	20	527	69
LM24077	SRF4S0.75TCN61	3/4	21	510	65
LM24078	SRF4S1T61	1	27	495	44
LM24079	SRF4S1TC61	1	28	546	69
LM24080	SRF3S1TCN61	1	27	545	66
LM24081	SRF42STC61	2	50	586	70
LM24083	SRF4S0.5TCN61	1/2	17	492	65
LM24084	SRF4S2TCN61	2	39	616	66
LM24093	SRF4S0.33TCN61	1/3	15	403	65
LM24094	SRF2S1T61	1	24	516	44
LM24095	SRF4S1.5TC61	1 1/2	31	577	70
LM24096	SRF2S1.5TCN61	1 1/2	26	570	66

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LM24099	SRD4S0.75T61	3/4	20	433	33
LM24102	CCN3BIT61	1	56	799	44
LM24103	SSF6S0.75T61	3/4	29	659	43
LM24104	SRF6S0.5TC61	1/2	24	694	69
LM24105	SRF6S0.5T61	1/2	24	644	43
LM24106	SRD4S2T61	2	36	515	34
LM24107	SRF4S0.33T61	1/3	16	389	43
LM24108	SSF4PT65	2	45	558	209
LM24109	SSF4P1T65	1	36	555	209
LM24110	SRF2S0.75T65	3/4	23	439	209
LM24111	SRD4S1T61	1	22	450	33
LM24112	SRF4S1.5TCN61	1 1/2	29	578	66
LM24114	SRF4S0.33TC61	1/3	21	439	69
LM24117	SRD4S1.5T61	1 1/2	28	478	34
LM24118	SRF4S1.5T61	1 1/2	30	526	44
LM24121	SRF2S2TC61	2	38	684	70
LM24124	SSD4P2T65	2	44	566	218
LM24125	SSF4P2TCN61	2	39	683	66
LM24126	SRF2S1TC61	1	25	566	69
LM24127	CCN4B2T61	2	64	897	45
LM24128	SRF6S0.5TCN61	1/2	23	663	65
LM24129	SRF2S0.51TC61	1/2	22	447	69
LM24130	SRF6S1TCN61	1	33	684	66
LM24131	SRD4S2TCN61	2	33	628	60
LM24132	SRF2S2TCN61	2	29	650	66
LM24133	SEF2S0.75T61	3/4	23	439	43
LM24134	SRF2S0.75TC61	3/4	22	491	69
LM24135	SRF2S1.5TC61	1 1/2	41	616	70
LM24136	SRF6S0.75T61	3/4	28	659	43
LM24137	SSF4P2TC65	2	47	609	214
LM24138	SRF2S0.5TCN61	1/2	22	419	65
LM24139	SRF2S1TCN61	1	24	520	66
LM24140	SRF6S0.75TC61	3/4	26	709	69
LM24142	SSF4P1.5T65	1 1/2	48	530	209
LM24144	SRF2S1.5T61	1 1/2	34	566	44
LM24146	SRD6S0.5T61	1/2	22	594	33
LM24148	SSF4P1TCN61	1	28	629	66
LM24149	SSF4P1.5TCN61	1 1/2	31	447	66
LM24151	SRF2S0.75TCN61	3/4	22	439	65
LM24152	SRD4S0.33T61	1/3	15	339	33
LM24153	SRF6S0.75TCN61	3/4	26	694	65
LM24154	SRF4S.5T65	1/2	22	445	209
LM24155	SRD2S1T61	1	24	464	33
LM24156	SRD4S0.5T62	1/3	17	382	221
LM24158	SSF4P1.5TC65	1 1/2	49	580	214
LM24159	SRF6S1T61	1	35	665	44
LM24160	SRD4S1.5TCN61	1 1/2	27	586	59
LM24161	SRD4S0.5T65	1/2	17	391	218
LM24162	SRD6S0.75T61	3/4	26	644	33
LM24163	SRD3S0.75T62	3/4	23	408	221
LM24165	SRF2S0.5T61	1/2	22	397	43
LM24169	SSD4B2T6	2	48	610	232
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LM24170	SSD4P1T65	1	34	469	218
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LM24193	SSD4B10T6	10	155	1403	35, 39, 232
LM24194	SSD4B7.5T61	7 1/2	121	1256	35, 39, 232
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LM24219	SSD4P15T65	15	215	1630	218
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LM24227	SSD4P3T65	3	83	584	218
LM24231	SSD4P10T65	10	138	1127	218
LM24232	SSD4P20T65	20	233	2048	218
LM24234	SSD4P5TCN61	5	93	816	60
LM24258	SRN4H0.5T61	1/2	26	647	105
LM24259	SRN4H0.5TCN61	1/2	26	702	106
LM24262	SRN4H0.75TCN61	3/4	25	772	106
LM24264	SRF4S0.5TC61Q20	1/2	24	630	77
LM24265	SSF8S0.75TC61	3/4	49	1134	69
LM24266	SRN4H0.75T61	3/4	30	716	105
LM24267	SRD4S0.75TC61	3/4	20	485	61
LM24268	SRN6H0.5T61	1/2	42	848	105
LM24271	SRF4H1TCN61	1	26	619	106
LM24273	SSF6S0.75TC61	3/4	28	709	69
LM24276	SSF8S0.75T61	3/4	49	1084	43
LM24277	SRDAS0.33TC61	1/3	15	388	61
LM24280	SSEW6S1T61	1	34	1425	139
LM24291	SSF8S0.5T61	1/2	31	946	43
LM24295	SRF6S0.5T65	1/2	24	644	209
LM24345	SRD4S2TC61	2	36	626	61
LM24346	SRD4S1TC61	1	22	500	61
LM24347	SRF2S2T61	2	39	634	45
LM24349	SRF6S1TC61	1		716	69
LM24354	SRF4S0.75TC65	3/4	21	527	214
LM24355	SRF4S0.5TC65	1/2	18	494	214
LM24442	SPA6S0.25TZRY1A6027AP10-1	1/4	14	516	175,200
LM24443	SPA6S0.33TZRY1A6027AP10-1	1/3	15	591	175,200

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LM24446	SPA4S0.5TZRY1A6027AP11-1	1/2	23	679	175,200
LM24447	SPA4S0.25TZRY1A6027AP10-1	1/4	17	432	175,200
LM24448	SPA4S0.33TZRY1A6027AP10-1	1/3	17	475	175,200
LM24449	SPA4S0.5TZRY1A6027AP10-1	1/2	21	526	175,200
LM24450	SPA4S0.33TZRY1A6027AP11-1	1/3	23	613	175,200
LM24457	SPD4S0.25T1C6028	1/4	17	353	7
LM24458	SPD4S0.25T1C6028TP1	1/4	17	356	7
LM24462	SPA4S0.33TADN1C6027TP1	1/3	23	545	180
LM24463	SPA4S0.5TADN1C6027TP1	1/2	23	621	180
LM24465	SPD2S0.5T1C6028	1/2	18	321	7
LM24467	SPD2S0.33T1C6028	1/3	18	290	7
LM24486	SPA4S0.33TZRY1S6001TP2-1	1/3	21	477	185,206
LM24487	SPA4S0.25TZRY1S6001TP2-1	1/4	17	424	185,206
LM24488	SPN4S0.25TZNY1S6001TP1-1	1/4	10	407	184,205
LM24491	SPA4/6/1S0.33/0.33TZNY1 S6001TP2-1	1/3	18	477	184,205
LM24492	SPA4/6/1S0.25/0.25TZNY1 S6001TP2-1	1/4	17	424	184,205
LM24496	SRF6S0.5T1B6028	1/2	36	865	15
LM24497	SRF6S0.75T1B6028	3/4	41	1000	16
LM24502	SED4S0.75T1B6028	3/4	26	502	7
LM24503	SRD4S0.75T1B6028TP2	3/4	25	580	7
LM24504	SRD4S0.75T1B6028TP1	3/4	18	629	7
LM24505	SRD4S0.75TLCN1B6028	3/4	25	557	21
LM24507	SRD4S2TLCN1B6028	2	48	803	22
LM24513	SSF4S1.5T1B6028	1 1/2	41	702	16
LM24514	SRF3S1.5T1B6028TP2	1 1/2	41	877	16
LM24515	SRF3S1.5T1B6028TP1	1 1/2	41	807	16
LM24521	SRF4S1.5TZ1B6028AP9-2	1 1/2	47	847	178
LM24523	SRD2S1.5TLCN1B6028	1 1/2	26	610	22
LM24524	SRD2S1.5T1B6028	1 1/2	25	586	8
LM24525	SRD2S1T1B6028	1	23	415	8
LM24526	SRD2S1TLCN1B6028	1	24	440	21
LM24527	SRD2S2TLCN1B6028	2	33	799	22
LM24530	SRF2S2TLCNB6038	2	40	650	25
LM24531	SRF2S1.5T1B6028	1 1/2	35	665	16
LM24532	SRF2S1.51B6028TP1	1 1/2	35	780	16
LM24533	SRF2ST1B6028	2	40	869	17
LM24534	SRF2S2T1B6028TP1	2	40	914	17
LM24535	SRF2S1.5TLCN1B6028	1 1/2	35	570	25
LM24539	SRF2S1.5TLC1B6028	1 1/2	35	701	26
LM24540	SRD6S0.33T1C6028TP2	1/3	24	532	7
LM24542	SRD6S0.5T1C6028	1/2	30	805	7
LM24543	SRD6S0.75T1C6028	3/4	38	909	7
LM24544	SRD6S0.5LCN1C6028	1/2	33	837	21
LM24545	SRF6S0.25T1C6028	1/4	25	580	15
LM24546	SRF6S0.33T1C6028	1/3	28	608	15
LM24549	SRD4S0.33T1C6028TP2	1/3	18	416	7
LM24550	SRD4S0.33T1C6028TP1	1/3	18	420	7
LM24551	SRD4S0.5T1C6028	1/2	22	407	7
LM24552	SRD4S0.5T1C6028TP2	1/2	22	475	7
LM24553	SRD4S0.5T1C6028TP1	1/2	23	499	7
LM24555	SRDAS0.5TLCN1C6028	1/2	21	461	21
LM24569	SRD4S0.25TLCN1C6028	1/4	17	352	21
LM24570	SRD4S0.33TICC6028	1/3	18	370	7
LM24571	SRD4S0.33TLCN1C6028	1/3	17	403	21
LM24580	SRD4SITIC6028TP1	1	20	548	8
LM24581	SRD4S1TC6028TP2	1	29	616	8
LM24582	SRD4S1T1C6028TP1	1	29	644	8
LM24583	SRD4S1.5T1C6028	1 1/2	40	713	8
LM24585	SRD4S1.5T1C6028TP1	1 1/2	40	779	8
LM24586	SRD4S1TLCN1C6028	1	29	588	21
LM24587	SRD4S1.5TLCN1C6028	1 1/2	39	713	22
LM24597	SRF4S0.33T1C6028	1/3	19	397	15
LM24598	SRF4S0.33TLCN1C6028	1/3	19	403	24
LM24599	SRF4S0.5TLCN1C6028	1/2	24	478	24
LM24600	SRF4S0.33TLC1C6028	1/3	23	440	26
LM24601	SRF4S0.33T1C6028TP2	1/3	19	464	15
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LM24603	SRF4S0.5T1C6038TP1	1/2	24	541	15
LM24604	SRF2S0.5T1C6028TP1	1/2	24	532	15
LM24606	SRF4S0.25T1C6028	1/4	18	465	15
LM24607	SRF4S0.75T1C6028	3/4	30	538	16
LM24608	SRF4S0.75T1C6028TP2	3/4	30	659	16
LM24609	SRF4S0.75T1C6028TP1	3/4	30	626	16
LM24610	SRF4SITIC6028	1	32	621	16
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LM24612	SRF4S1T1C6028TP1	1	32	713	16
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LM24614	SRF4S1TLCN1C6028	1	32	545	25
LM24615	SRF2S0.75TLC1C6028	3/4	30	640	26
LM24616	SRF4S1TLC6028	1	35	723	26
LM24622	SRF4S1.5TLCN1B6028	1 1/2	41	578	25
LM24624	SRD2S2T1B6028	2	35	779	8
LM24627	SRF4S0.5T1C6028	1/2	24	453	15
LM24628	SRF4S0.5TLC6028	1/2	24	533	26
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LM24879	SRD2S0.5TC61	1/2	18	391	61
LM24880	SRD4S0.5TC61	1/2	17	440	61
LM24881	SRD6S0.5TC61	1/2	33	645	61
LM24882	SRD2S0.75TC61	3/4	21	451	61
LM24883	SRD6S0.75TC61	3/4	26	694	61
LM24884	SRD2S1TC61	1	24	516	61
LM24885	SRD6S1TC61	1	29	663	61
LM24887	SRD2S1.5TC61	1 1/2	23	570	61
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LM25049	SRF2S2TC65	2	31	684	214
LM25050	SRF4S2TC65	2	50	586	214
LM25051	SSF4P1TC65	1	41	570	214
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LM25082	SRD4S2TC65	2	36	626	220
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LM25084	SSD4P1TC65	1	34	557	220
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LM25101	SRF4S2T65	2	40	558	209
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LM80077	CCF4P25T61YAP5	25	440	2699	127
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LM80108	CCD2P30TS61YAP5	30	318	2573	124
LM80109	CCD4P30T62YAP5	30	364	2831	124
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CCF4B5T61	LM24195	46
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CCF4B60TC61AP21	LM62047	73
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CCF4B75T61AP21	LM60059	50
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CCF4P350T64PYAP5	LM80020	129
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CCF4P350TS64PYAP5	LM80204	129
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CCF6B10T61AP21	LM60036	47
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CCF6B25T61AP21	LM60045	48
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CCF6B50T61Y	LM19754	49
CCF6B5T61AP21	LM60030	46
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CCF6B7.5T61AP21	LM60033	46
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CCF6P25US64	LM21814	108
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CCF6P30US64	LM21816	108
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CCF6P60USC64	LM21895	110
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CCN4B2T61	LM24127	45
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CM38P17FZ44A	M1145143.00	151
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CM38T17FZ20A	M1145144.00	150
CM38T17FZ21A	M1145145.00	150
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CZ143T17WK8	G121749.00	168
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CZ145K17WK1	121632.00	161
CZ145K17WK2	121622.00	161
CZ145K34WK1	121623.00	161
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CZ145T17WC22	121743.00	168
CZ145T17WC29	G121350.00	153
CZ145T17WC30	G121351.00	153
CZ145T17WC36	121911.00	168
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CZ145T17WC40	G121527.00	161
CZ145T17WK25	G121740.00	168
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Leeson Model Number Index

Motors, Sub-FHP Gearmotors, Drives and Accessories

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Application Information

AGENCY LISTINGS

UL and CSA

LESSON Electric and Lincoln Motors Fire Pump and Explosion Proof motors are UL Listed. Other motor types are UL Recognized, including models with inherent overheating protection as noted (i.e. thermally protected models). Leeson and Lincoln motors are also CSA Certified for both explosion proof and non-explosion proof enclosures.

AC Motors

Non-Explosion Proof	UL File No.	CSA File No.
NEMA 25-449 Frame	E49747	LR2025
NEMA 500 and 5000 Frame	—	LR2025*
IEC 63-90 Frame	E49747	LR2025
IEC 100-280 Frame	E49747	LR2025#
Thermally Protected motors	E6312	LR2025
Insulation Systems	E37900	LR2025

* Does not include coverage for use with VFD

Domestic product only

Explosion Proof	UL File No.	CSA File No.
NEMA 56-326 Frame	E12044	LR47504
NEMA 364-449 Frame	E12044	LR21839
Fire Pump Motors	**UL File No.**	**CSA File No.**
NEMA 143-510	EX5190	LR2025
Class I, Division 2/Zone 2	**UL File No.**	**CSA File No.**
NEMA 48-449, 5000 Frame	—	LR21839

European ATEX Zone 2	Intertek Certificate No.
NEMA 143-449, IEC 112-280	ITS06ATEX45370

PMDC Motors + Gear Motors

Non-Explosion Proof	UL File No.	CSA File No.
NEMA 25-145	E49747	LR2025
AC Inverters	E161242	#
SpeedMaster SCR Controls	E132235	LR41380
FHP Speed Drives	E132235	_

- UL Certified for Canada under UL File E 1.67242

ATEX Directive (ATmospheres EXplosibles)

Mandatory by law, the European Union (EU) Directive 94/9/EC requires that electric motors for use in explosive atmospheres carry the CE mark, notified body identifier, Ex symbol, equipment group and category, plus the date code. See "European Installations" for additional details, located on the next page.

NEMA (National Electrical Manufacturers Ass'n)

LEESON Electric and Lincoln Motors' are manufactured in accordance with all applicable areas of NEMA standards in MG1-2006. When applied in accordance with the "Guidelines for Application of Three Phase Motors on Variable Frequency Drives", **LEESON Electric and Lincoln Motors' are in full compliance with NEMA MG1-2006, Part 31, Section 4.4.2**, as pertaining to voltage spikes. 460 volt motors must withstand voltage spikes of up to 1426 volts; 575 volt motors must withstand spikes up to 1788 volts. See "Insulation Systems" for additional detail on this subject. **Website: www.nema.org**

Commitment to RoHS and WEEE European Directives

European Directive 2002/95/EC "Restriction of Use of Certain Hazardous Substances" (RoHS) and Directive 2002/96/EC "Directives on Waste Electrical and Electronic Equipment" (WEEE) were enacted to control the amount of certain hazardous substances contained in products shipped into the E.U. Restricted substances include lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls and polybrominated dipheynl ethers.

The scope of products covered, affecting motors, is:

- Large household appliances
- Small household appliances
- IT and telecommunications equipment
- Consumer equipment
- Electrical and electronic tools (except large scale stationary and industrial tools)
- Toys, leisure and sports equipment
- Automatic dispensers

The Directives do not currently apply to medical devices, monitoring and control instruments, spare parts for the repair or reuse of electrical and electronic equipment placed on the market before July 1, 2006, and most military and state security equipment.

Regal Beloit Corporation worked closely with suppliers to assure that product falling within the scope of these Directives meets the specified levels of these substances. The Directives took affect July 1st, 2006 however many products were converted in May and June. The products converted are motors in NEMA frame size 145 and below, both AC and DC motors with the following exceptions:

- Brakemotors in 56-145 frame **will have to be ordered specifically as RoHS compliant.**
- **Some motors with specialty electro-mechanical components.**

ISO QUALITY CERTIFICATION

Affiliate of The Regal Beloit corporation. We are ISO 9001:2008 and our registrar is NSF-ISR. The certificate number for the corporation is C0026928-IS2.

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Continued on next page.

LEESON

LEESON Electric and Lincoln Motors employ the use of Exxon POLYREX® EM grease, a specially formulated bearing grease designed for electric motors. POLYREX® EM provides superior lubricity, durability and resists corrosion, rust and washout. POLYREX® EM is a registered trademark of Mobil Corporation.

Maximum safe mechanical speed capability is a function of bearing size, type and grease selection, as well as rotor balance specifications. Consult the "Maximum Safe Mechanical Speed Limits" chart in the "Overspeed Capability" section.

Note that these values do not imply maximum constant horsepower RPM.

EFFICIENCY

The efficiency of a motor is the ratio of its useful power output to its total power input and is usually expressed in a percentage. LEESON Electric and Lincoln Motors offers standard, high efficient EPAct, and **NEMA Premium**® efficient ratings. Standard efficiency motors may only be used on applications that are exempt from legislated efficiencies. The high efficient motor line is in compliance with the Energy Policy Act of 1992 (EPAct) and/or Canadian efficiencies as set by NRCan. The Energy Independance and Security Act of 2007 (**EISA07**) will become law on December 19, 2010, requiring current EPAct-compliant motors to meet NEMA Premium® efficiencies, and most EPAct-exempt motors to meet EPAct levels. Premium efficient motors in this catalog meet NEMA Premium® unless otherwise noted.

The LEESON WattSAVERe® and Lincoln Ultimate-e™ line is a premium efficiency line, which exceeds mandated efficiencies of EPAct and/or NRCan. Unless otherwise noted, premium efficient motors in this catalog meet NEMA Premium® the newly promoted efficiency levels by NEMA and the Consortium for Energy Efficiency (CEE).

ELECTRICAL TYPE/STARTING METHOD

Motors in this catalog are capacitor start, split phase, permanent split capacitor, or three phase. Capacitor Start motors have high starting torque, high breakdown torque, and relatively low starting current. Split phase motors have medium starting torque and medium starting current. Permanent split capacitor motors have low starting torque and low starting current. Three phase motors have high starting, extra breakdown torque, and typically very low starting current. Single phase motors cannot be applied on variable frequency drives with three phase output.

ENCLOSURE AND METHOD OF COOLING

LEESON Electric and Lincoln Motors are available in various enclosures; Dripproof (DP), Dripproof Force Ventilated (DPFV), Totally Enclosed Fan Cooled (TEFC), Totally Enclosed Non-Ventilated (TENV), Totally Enclosed (TEAO) and Totally Enclosed Blower Cooled (TEBC). Application conditions will determine the type of motor enclosure required.

Dripproof motors have open enclosures and are suitable for indoor use and in relatively clean atmospheres. Dripproof motors have ventilating openings constructed so that drops of liquid or solid particles falling on the machine at an angle of not greater than 15 degrees from the vertical cannot enter the machine.

Totally enclosed motors are suitable for use in humid environments or dusty, contaminated atmospheres. Totally enclosed non-ventilated motors are NOT cooled by external means. Totally enclosed fan cooled motors are cooled by external means that are part of the motor but not in the internal workings of the motor. Totally enclosed air over motors are sufficiently cooled by external means, provided by the customer.

HAZARDOUS DUTY

Hazardous Duty motors are totally enclosed (fan cooled or non-ventilated) motors designed for applications in hazardous atmospheres containing explosive gases and/or combustible dusts.

North American installations

North American standards for electric motors generally fall into one of two divisions. Division 1 Explosion Proof motors are UL Listed in accordance with NFPA Class I (Flammable Gases) or Class II (Combustible Dusts) and Groups (gases or dusts), depending upon the atmosphere. Division 2 motors are CSA Certified and are marked similarly to Division 1 equipment. Inverter Duty motors through 449T frames are CSA Certified for use in Division 2 locations.

European installations

Motors for hazardous locations in Europe must meet a different set of standards and require different markings than those of North America. CENELEC sets the standards for equipment in hazardous locations for Europe. Motors for use in explosive atmospheres in Europe are often referred to as flameproof (Zone 1) or non-sparking (Zone 2) motors. These motors must comply with the ATEX Directive. The ATEX Directive covers all electrical equipment used in explosive atmospheres. To ensure compliance with the Directive, equipment must meet the essential ATEX requirements and carry the CE mark on the nameplate. Other information required on the nameplate includes the Ex symbol, group & category, Ex protection method, gas group, and temperature code, example (Ex II 3 G Ex nA IIC T3).

The tables on the next page describe LEESON Electric and Lincoln Motors capabilities by Area Classification and by Temperature Code.

Technical Information

Application Information

LEESON Electric and Lincoln Motors Hazardous Duty Motor Area Classification Chart

Class I Area Classification (Flammable Gases, Vapors or Mists)				Class II Area Classification (Combustible Dusts)			
North America		Europe - ATEX③ (Category G - Gases)		North America		Europe - ATEX③ (Category D - Dusts)	
Division 1 Explosion Proof	Division 2 TEFC & TENV	Zone1 Flameproof	Zone 2 Non-Sparking	Division 1 Explosion Proof	Division2	Zone 21 Flameproof	Zone 22 Non-Sparking
Group A①	Group A	N/A	N/A	-	-	-	-
Group B②	Group B	N/A	N/A	-	-	-	-
Group C	Group C	N/A	N/A	-	-	-	-
Group D	Group D	N/A	N/A	-	-	-	-
-	-	N/A	-	Group E①	-	N/A	N/A
-	-	N/A	-	Group F	Group F①	N/A	N/A
-	-	N/A	-	Group G	Group G①	N/A	N/A

- \- Group is not applicable to that Division or Zone, or is not defined.
- ① Group is not available from LEESON Electric and Lincoln Motors.
- ② Contact factory representative for availability.
- ③ Currently not available.

LEESON Electric and Lincoln Motors Hazardous Duty Motor Temperature Code Chart

	TEMPERATURE CODES		Division 1 Explosion Proof / Flameproof		Division 2 / Non-Sparking
			Class I Area Classification (Flammable Gases, Vapors or Mists)	Class II Area Classification* (Combustible Dusts)	Class I Area Classification (Flammable Gases, Vapors or Mists)
Temp.	UL/CSA	ATEX	Division 1/Zone 1	Division 1/Zone 21	Division 2/Zone 2
280°C	T2A	T2(280)	Explosion Proof - Class I, Group D (Group C as noted)		
260°C	T2B	T2(260)			Severe Duty & IEEE-841 @ 1.15 S.F., Class I, Groups A,B,C,D (Sine wave power)
215°C	T2D	T2(215)			
200°C	T3	T3			
165°C	T3B	T3(165)	Explosion Proof - Class I, Group D (Group C as noted), Sine wave or PWM power	Explosion Proof - Class II, Groups F & G, Sine wave or PWM power	
160°C	T3C	T3(160)			
135°C	T4	T4			

* Class II, Division 2 motors are not available from LEESON Electric and Lincoln Motors.

Division I & II ambient range is -25°C to +40°C

Technical Information

Variable Speed Operation

VARIABLE SPEED INFORMATION

LEESON Electric and Lincoln Motors Vector-Duty and Inverter Duty motors, unless otherwise stated, are rated for continuous operation in a 40°C ambient and for altitudes up to 3300 feet (1000 meters) above sea level. Special application considerations, such as high or low ambient, intermittent ratings, high altitude, duty cycle rated, extended constant horsepower range, special base speed, voltage or frequency, or any other special requirements, should be reviewed by a factory representative.

It is the responsibility of the startup personnel during commissioning of the VFD/motor system to properly tune the drive to the motor for the specific application. The correct voltage boost and volts/hertz settings are application dependent and unique to each motor design. Procedures for these adjustments should be in your VFD user manual. Many Vector Duty and Inverter Duty motors in this catalog are equipped with thermostats; warranty coverage may be denied if they are not properly utilized.

WARNING ***Power factor correction capacitors should never be installed between the drive and the motor.***

INVERTER DUTY OR INVERTER RATED

"Inverter Duty" (often called "Inverter Rated") motors are suitable for use with Variable Frequency Drives, as long as operation is within the application guidelines published in this catalog. In general, LEESON Electric and Lincoln Motors' three phase, general purpose, NEMA Design B motors are considered "Inverter Duty", and meet or exceed the requirements of NEMA MG1, Part 30. As required under Federal law, these motors comply with EISA2007 efficiencies when operating from utility power.

Inverter Duty (Rated) motors are most often used in 10:1 speed range, variable torque or constant torque applications. A vector control is usually required for operation beyond 10:1 CT.

Refer to "Guidelines for Application of General Purpose, Single Speed Three Phase Motors on Variable Frequency Drives" in this section of this catalog for the allowable speed range and cable length restrictions (from VFD to motor). Additional detail regarding a specific product's capabilities is available on its catalog page, or by consulting your application engineer.

VECTOR DUTY – "Vector Duty" describes a class of motors that are used in conjunction with Open- (without encoder) or Closed-Loop (with encoder) Vector controls, that provide enhanced performance under low speed operating conditions, or in cases where torque (rather than speed) must be controlled. "Vector Duty" motors can be applied to Volts/Hertz (scalar) drives, as well.

LEESON Electric's Speedmaster® motors and Lincoln Motors' CTAC Motors, have been specifically designed for optimal operation on vector or volts/hertz controls. These motors feature a wide constant torque (up to 2000:1) and/or constant horsepower (up to 4:1) speed range and are performance-matched to all current technology IGBT drives. Vector Duty motors meet or exceed the requirements of NEMA MG1, Part 31, and are equipped with an enhanced insulation system (IRIS or Ultimate Spike Defense) to provide many years of trouble-free service. Consult the catalog page for each product's capabilities and features. As these motors are specifically designed for operation through an inverter, they are exempt from EISA2007.

VARIABLE TORQUE LOADS – Applications include fans, blowers and centrifugal pumps. Torque varies as the square of the speed, and horsepower as the cube of the speed. Operation below base speed significantly lightens the load on the motor. While most variable torque applications do not require the motor to operate below half speed, the motor is fully capable of operation to zero speed. Operation above base speed significantly adds to the load on the motor; therefore, a factory representative must review applications requiring variable torque above base speed. Refer to the application chart found on page 14 for use of general purpose three phase motors on variable frequency drives. A bypass circuit is often employed in Variable Torque applications. If this device is intended to be used, selection of a NEMA Design B motor is recommended, to withstand the inrush current during across-the-line starting.

CONSTANT TORQUE LOADS – Applications include conveyors, elevators, hoists, extruders, positive displacement pumps, mixers and converting equipment. Torque remains constant throughout the range of operation, and extra care should be taken in the proper application of motors, especially at very low speeds. Most constant torque applications don't require operation below 10:1 (i.e. 6 Hz operation on a 60 Hz motor), but an increasing number of applications historically reserved for servo and/or stepper systems are being served with motors capable of operation beyond 20:1…even up to 2000:1 (zero speed, constant torque). Refer to the application chart found on page 14 for use of general purpose three phase motors on variable frequency drives.

Applications requiring greater than 20:1 C.T. are ideal for LEESON Speedmaster® Inverter Duty/Vector Duty and Lincoln Vector Duty CTAC® motors. These motors provide full rated torque within their listed speed range, without exceeding a Class F temperature rating while under inverter power (many operate at Class B). Ratings in this catalog have been developed, based on extensive testing on IGBT inverters, set at a minimum 3 KHz (or equivalent) carrier frequency.

Vector Duty and Inverter Duty motors from LEESON Electric and Lincoln Motors are designed for operation at 150% of rated load for one minute, up to the base speed of the motor (overload capability declines to 100% as the motor reaches maximum constant HP speed). These motors accommodate constant horsepower operation to 1-1/2 to 2 times base speed, subject to the motor's maximum safe mechanical speed limit. Refer to the Maximum Safe Mechanical Speed Chart, as well as the performance section for each motor's capability.

Motors rated for zero RPM continuous duty (1000:1 or 2000:1) must be powered by vector drives to produce rated torque without overheating. Optimum zero speed and low-speed full torque performance may require a closed loop vector drive (with encoder feedback).

Continued on next page.

Technical Information

Variable Speed Operation

CONSTANT HORSEPOWER LOADS – Applications include coil winders, band saws, grinders, and turret lathes. Operation requires the motor to deliver the same horsepower rating, regardless of shaft speed. Torque increases at low speed and decreases at higher speed. Most general purpose motors can deliver constant horsepower up to 1 1/2 times base speed (consult a factory representative to verify performance). However, many constant HP applications require operation to twice base speed, and some, such as coil winders, up to 4 times base speed.

MOTOR GROUNDING - Frames and accessories of all motors must be grounded in accordance with the National Electric Code (NEC) Article 430. Refer to NEC Article 250 for general information on grounding. Proper grounding of inverter-driven motors is essential to protect personnel and livestock from inverter-sourced common mode voltages, which may reach hazardous levels on the frame of ungrounded or poorly grounded motors.

LOW INPUT VOLTAGE – If, due to lower utility supply voltage, the input voltage from the VFD to the motor is lower than the motor's rated voltage, de-rating of the motor's base frequency, horsepower, full load RPM, and constant HP RPM is required. The revised values can be calculated by multiplying by the ratio of the voltage change. For example, to operate a 460 volt motor from an inverter fed by 50 or 60 HZ, 400 volt utility power, the multiplier is 400/460 or 0.87.

The VFD can be reprogrammed to match the new base point values, allowing the motor to provide rated torque at rated current from the new base speed down to its original minimum Constant torque speed. The motor's CHP range will begin at the new base frequency and will be shortened by the same ratio as described above.

OVERSPEED CAPABILITY – Maximum safe mechanical speed capability is a function of bearing size and type, lubrication, rotor balancing technique and specifications, air gap, enclosure, frame construction and connection to the driven load. In addition, consideration must be given to ambient noise levels, as operation above base speed will increase motor noise and vibration, and reduce bearing life. Under no circumstances should bearing hub temperature exceed 100° C. Belted loads should not exceed 60 Hz operating RPM by more than 25% (NEMA "TS" shafts are not suitable for belted loads). Due to external cooling fans, TEFC (and Explosion Proof Fan Cooled) motors are limited to 4000 RPM maximum speed.

Maximum Safe Mechanical Speed Limits
(ODP, TENV, DPFV OR TEBC ENCLOSURES)
60 Hz base frequency

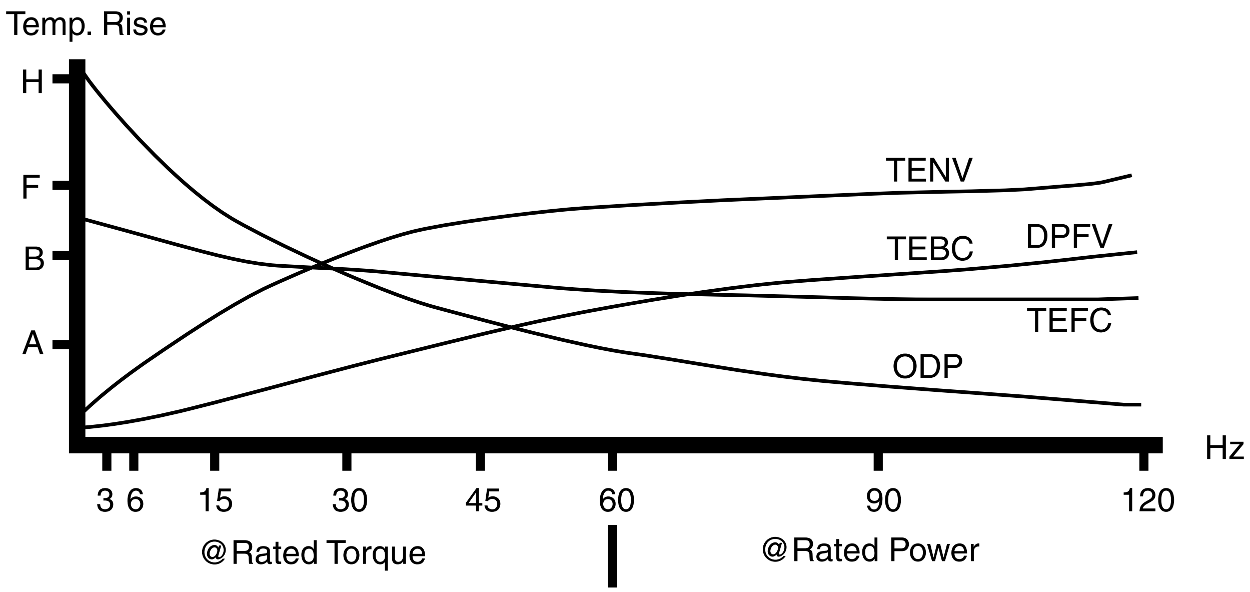
Frame Size	2-Pole	4, 6 or 8-Pole
56-184	7200	5400
213-256	5400	4200
284-286	5400	3600
324-326	4000	3600
364-365	4000	2800
404-449	3600	2800
5000 Fr	N/A	CALL
6800 Fr	N/A	CALL

OTHER APPLICATION CONSIDERATIONS –

For proper selection, the following should be considered:

- Horsepower or torque requirements at various speeds.
- Desired speed range of the load and motor.
- Acceleration and deceleration rate requirements of the process being controlled.
- Starting requirements including the frequency of starting and a description of the load (reflected inertia at the motor, load torque during starting).
- Whether the application is a continuous process or duty cycle of starts, stops and speed changes.
- A general description of the type of application including the environment in which the VFD system components must operate (determines motor enclosure and/or explosion proof classification).
- Description of the available electrical power supply and wiring.
- Special performance requirements, if any.
- Whether the drive will be configured with a by-pass circuit. In case of its deployment, the motor will operate like its fixed speed counterpart and may require a NEMA B design which limits in-rush current, or selection of a larger motor starter or other protective circuitry.
- Load sharing
- Mounting and other mechanical considerations

Typical Temperature Rise Of Various Enclosures



Technical Information

MOTOR SELECTION

Electric motors are the workhorses of industry. Many applications exist where more than one motor can be used and/or the exact replacement is not available. LEESON makes every effort to maximize interchangeability, mechanically and electrically, where compromise does not interfere with reliability and safety standards. If you are not certain of a replacement condition, contact any LEESON Authorized Distributor or the LEESON District Sales Office.

SELECTION

Identifying a motor for replacement purposes or specifying a motor for new applications can be done easily if the following information is known:

1. Nameplate Data
2. Motor Type
3. Electrical and Performance Characteristics
4. Mechanical Construction

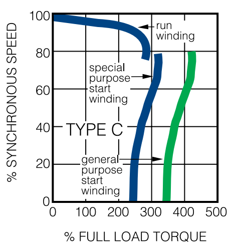
NAMEPLATE DATA

Nameplate data is the most important first step in determining motor replacement. Much of the information needed can generally be obtained from the nameplate of the motor to be replaced. Take time to record all the nameplate information because it can save time, avoid confusion and MISAPPLICATION.

MOTOR TYPE

Alternating current (AC) induction motors are divided into two electrical categories, based on power source—single phase and polyphase (three phase). Direct current (DC) motors are used in applications where precise speed control is required or when battery or generated direct current is the available power source.

TYPICAL SPEED TORQUE CURVES



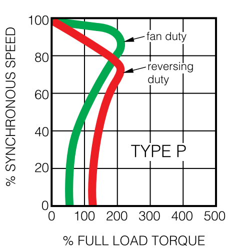
Capacitor Start/Induction Run

A single phase general purpose design, with an electrolytic capacitor in series with the start winding, offering maximum starting torque per ampere.

A centrifugal switch removes the auxiliary winding and capacitor when the motor approaches full load speed. The design is a heavy-duty unit which has approximately 300% (of full load) starting torque. Common applications include compressors, pumps, conveyors and other "hard-to-start" applications.

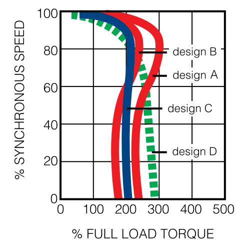
Capacitor Start/Capacitor Run

This design has two capacitors of different values. A centrifugal switch is used to remove the electrolytic capacitor when the motor approaches full load speed. A second run capacitor remains in series with the auxiliary winding during full load operation. This type of design has lower full-load amps as a result of the run capacitor and is consequently used on most higher horsepower single phase motors.



Permanent Split Capacitor (PSC)

This design has an auxiliary winding with a "run" capacitor, but unlike the capacitor start/induction run motor, the capacitor and auxiliary winding remain in the circuit under running conditions. (There is no centrifugal switch on this type motor.) A permanent split capacitor design has low starting torque and low starting current. They are generally used on direct-drive fans and blowers. They can also be designed for higher starting torque and intermittent applications, where rapid reversing is desired.

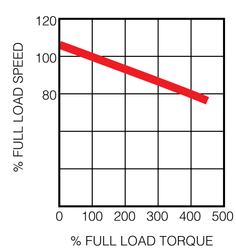


Three Phase or Polyphase

General purpose three phase motors have different electrical design classifications as defined by NEMA. NEMA Design A and B motors are of normal starting torque with normal starting current. NEMA Design C motors have higher starting torque with normal starting current. All three types have slip of less than 5%. ("Slip" being a term which expresses, as a percentage, the difference between synchronous motor speed and full load motor speed, for example, 1800 rpm synchronous versus a full load speed of 1740 rpm.

NEMA's Design B and C standards are minimum performance standards. In practice, some manufacturers (including LEESON) build small integral HP Design B motors with locked rotor and breakdown torque levels equalling NEMA Design C standards.

NEMA T frame motors 1 through 200 HP *covered* by EPACT (identified with a "G" catalog prefix) are labeled Design B, exceed NEMA Design B performance levels, and have efficiencies equal to EPACT mandated levels. EPACT *exempt* three phase, base-mounted motors are labeled Design C and have performance characteristics meeting NEMA's Design C standards, with standard motor efficiencies. Motors 250 HP and larger are exempt from EPACT legislation.



Permanent Magnet DC

This design has linear speed/torque characteristics over the entire speed range. SCR rated motor features include high starting torque for heavy load applications and dynamic braking, variable speed and reversing capabilities. Designs are also available for use on generated low voltage DC power or remote applications requiring battery power.

ELECTRICAL AND PERFORMANCE CHARACTERISTICS

One of the best ways to guarantee economical performance and long motor life is to make sure your motors operate at nameplate voltage. Applying too high a voltage may reduce the motor's efficiency and increase operating temperatures. The net result is shorter motor life.

Under-voltage can also shorten motor life. Operating on too low a voltage reduces the motor's effective horsepower. The motor will attempt to drive the load it was intended to drive, become overloaded, draw more current than normal, and overheat. Again, the result will be premature failure.

ENCLOSURES AND ENVIRONMENT

DRIP-PROOF: Venting in end frame and/or main frame located to prevent drops of liquid from falling into motor within a 15˚ angle from vertical. Designed for use in areas that are reasonably dry, clean, and well ventilated (usually indoors). If installed outdoors, it is recommended that the motor be protected with a cover that does not restrict the flow of air to the motor.

TOTALLY ENCLOSED AIR OVER (TEAO): Dust-tight fan and blower duty motors designed for shaft mounted fans or belt driven fans. The motor must be mounted within the airflow of the fan.

TOTALLY ENCLOSED NON-VENTILATED (TENV): No vent openings, tightly enclosed to prevent the free exchange of air, but not airtight. Has no external cooling fan and relies on convection for cooling. Suitable for use where exposed to dirt or dampness, but not for hazardous (explosive) locations.

TOTALLY ENCLOSED FAN COOLED (TEFC): Same as the TENV except has external fan as an integral part of the motor, to provide cooling by blowing air around the outside frame of the motor.

TOTALLY ENCLOSED, HOSTILE AND SEVERE ENVIRONMENT MOTORS: Designed for use in extremely moist or chemical environments, but not for hazardous locations.

TOTALLY ENCLOSED BLOWER COOLED MOTORS (TEBC): Used to extend the safe speed range of inverter-fed motors. Similar to TEFC except a small, constant-speed fan provides uniform airflow regardless of the drive motor's operating speed.

EXPLOSION-PROOF MOTORS: These motors meet Underwriters Laboratories and Canadian Standards Association standards for use in hazardous (explosive) locations, as indicated by the UL label affixed to the motor. Locations are considered hazardous because the atmosphere does or may contain gas, vapor, or dust in explosive quantities.

NEMA SERVICE FACTORS

HP	ENCLOSURE	RPM 3600	RPM 1800	RPM 1200
1/4-1/3	Open	1.35	1.35	1.35
1/2-3/4	Open	1.25	1.25	1.25
1 & Larger	Open	1.15	1.15	1.15
All	Totally Enclosed	1.00	1.00	1.00

Most LEESON Totally Enclosed Motors have 1.15 Service Factor. Refer to the Service Factor information on each page to identify specific totally enclosed motors with NEMA 1.00 Service Factor or LEESON 1.15 Service Factor. All drip-proof motors have NEMA Service Factors of 1.15 or higher. All three phase totally enclosed motors have NEMA Service Factors of 1.15 except when noted (□).

SCR PM DC MOTORS ON PWM POWER SUPPLIES

Pulse width modulated DC controls have a voltage output similar to pure direct current which has a form factor of 1.00. SCR thyristor drives, such as the SPEEDMASTER® controls listed on page 117, have a form factor of 1.4.

LEESON stock SCR rated motors can also be used with PWM controls. In fact, the motor's HP rating can be increased because of less heating in the motor. In addition, the motor will operate quieter and the brush life will be extended.

Rated HP 1.40 FF	Rated RPM	Rated Volts	Catalog Number	Rated HP 1.05 FF
1/4	1750	90	**098002**	0.40
	1750	180	**098003**	0.50
1/3	1750	90	**098004**	0.50
	1750	90	**108424**	0.56
	1750	180	**098005**	0.50
1/2	2500	90	**098006**	0.75
	2500	180	**098007**	0.70
	1750	90	**098000**	0.70
	1750	90	**108014**	0.75
	1750	90	**108226**	0.75
	1750	180	**098008**	0.56
	1750	180	**108015**	0.70
	1750	180	**108227**	0.70
3/4	2500	90	**098009**	1.00
	2500	90	**108016**	1.00
	2500	180	**098010**	1.00
	2500	180	**108017**	0.86
	1750	90	**098032**	1.00
	1750	90	**108018**	1.00
	1750	90	**108228**	1.25
	1750	180	**098069**	1.00
	1750	180	**108019**	1.00
	1750	180	**108229**	1.25
1	2500	90	**108020**	1.50
	2500	180	**108021**	1.50
	1750	90	**108022**	1.25
	1750	90	**108230**	1.25
	1750	180	**108023**	1.25
	1750	180	**108231**	1.25
1½	2500	180	**108265**	2.00
	1750	180	**108092**	1.75
	1750	180	**108262**	1.75
	1750	180	**108232**	1.75
	1750	180	**128000**	--
2	2500	180	**108266**	3.00
	1750	180	**128001**	--
	1750	180	**128010**	--
3	2500	180	**128008**	--
	1750	180	**108502**	--

METRIC (IEC) DESIGNATIONS

The International Electrotechnical Commission (IEC) is a European-based organization that publishes and promotes worldwide mechanical and electrical standards for motors, among other things. In simple terms, it can be said that IEC is the international counterpart to the National Electrical Manufacturers Association (NEMA), which publishes the motor standards used in the United States.

IEC standards are expressed in metric units.

IEC ENCLOSURE PROTECTION INDEXES

Like NEMA, IEC has designations indicating the protection provided by a motor's enclosure. However, where NEMA designations are word descriptive, such as Open Drip-Proof or Totally Enclosed Fan Cooled. IEC uses a two-digit Index of Protection (IP) designation. The first digit indicates how well-protected the motor is against the entry of solid objects, the second digit refers to water entry.

By way of general comparison, an IP22 motor relates to Open Drip-Proof, IP54 to totally enclosed.

Protection Against Solid Objects		Protection Against Liquids	
Number	Definition	Number	Definition
0	No protection	0	No protection
1	Protected against solid objects of over 50 mm (e.g. accidental hand contact)	1	Protected against water vertically dripping (condensation)
2	Protected against solid objects of over 12 mm (e.g. finger)	2	Protected against water dripping up to 15° from the vertical
3	Protected against solid objects of over 2.5 mm (e.g. tools, wire)	3	Protected against rain falling at up to 60° from the vertical
4	Protected against solid objects of over 1 mm (e.g. thin wire)	4	Protected against water splashes from all directions
5	Protected against dust	5	Protected against jets of water from all directions
6	Totally protected against dust.	6	Protected against jets of water comparable to heavy seas
		7	Protected against the effects of immersion to depths of between 0.15 and 1m
		8	Protected against the effects of prolonged immersion at depth

IEC DESIGN TYPES

The electrical performance characteristics of IEC Design N motors in general mirror those of NEMA Design B—the most common type of motor for industrial applications. By the same token, the characteristics of IEC Design H are nearly identical to those of NEMA Design C. There is no specific IEC equivalent to NEMA Design D.

MOTOR EFFICIENCY TEST METHODS

Performance data of single phase motors is determined by using I.E.E.E. Std. 114 (Method B), three phase motors by I.E.E.E. Std. 112 (Method B). Motor efficiency is calculated using CSA C390. These testing methods meet the requirements of EPACT of 1992 and most utility companies.

For complete performance data on all LEESON motors, please review the Find-A-Product section on *www.leeson.com.*

Technical Information

Motors Designed For Use In The Automotive Industry

Automotive Duty 56 frame and U Frame motors (pages 233-240) are designed to meet automotive industry specifications from General Motors (GM-7EQ, GM-7EH), Ford (EM1) and Chrysler (NPEM-100). Actual qualifications for individual ratings are indicated in the footnotes on the price pages.

Automotive Duty T Frame motors (pages 233-240) are designed to meet or exceed Ford EM1-1996 specification(see footnotes on the price pages).

UL Recognized Component Listing

Low voltage (< 600 V) motors in frames 48-449T and 182U-445U listed in this catalog (excludes REW, SREW, SEW, SSEW, MD and SE models) carry UL Recognized Component Listing (contact Lincoln for file number).

Web: www.ul.com

NAFTA

A NAFTA (North American Free Trade Agreement) Certificate of Origin can be supplied on request.

Canadian Standards Association (CSA)

Low voltage (< 600 V) motors in frames 48-449T and 182U-445U listed in this catalog have Canadian Standards Association approval (contact Lincoln for file number).

Web: www.csa-international.org

CE (Conformité Européene)

Lincoln offers a variety of CE-compliant motors.
Copies of Lincoln's Declaration of Conformity for the Low Voltage Directive and Manufacturer's Declaration for the Machinery Directive are available on request.

Motors for Hazardous Locations

NEMA defines an explosion-proof motor as follows: "a totally-enclosed machine designed and constructed to withstand an explosion of a specified gas or vapor which may occur within it and to prevent ignition of specified gas or vapor surrounding the machine by sparks, flashes or explosions of the specified gas or vapor which may occur within the machine casing".

Typical applications include petroleum and chemical plants or pipelines, gasoline pumps and natural gas compressors.

A **dust-ignition-proof** motor is "a totally enclosed machine whose enclosure is designed and constructed in a manner which will exclude ignitable amounts of dust or amounts which might affect performance or rating, and which will not permit arcs, sparks, or heat otherwise generated or liberated inside of the enclosure to cause ignition of exterior accumulations or atmospheric suspensions of a specific dust on or in the vicinity of the enclosure. Successful operation of this type of machine requires avoidance of overheating from such causes as excessive overloads, stalling, or accumulation of excessive quantities of dust on the machine".

Typical applications include grain elevators, coal handling equipment, feed and cereal mills, sugar refineries and chemical plants. Both types of motors are submitted to Underwriters Laboratories (UL) for approval.

The following is a brief description of the hazardous locations of both gaseous and dusty atmospheres as classified by the National Fire Protection Association's (NFPA) National Electrical Code (NEC) and printed from the 1996 Handbook. Consult the National Electrical Code for more information on explosion proof regulations.

Class 1 Group Classifications:

Class C - Atmospheres containing ethyl ether, ethylene, or gases or vapors of equivalent hazard.

Class D - Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methanol, methane, natural gas, naphtha, propane,or gases or vapors of equivalent hazard.

Class 2 Group Classifications:

Group F - atmospheres containing carbonaceous dusts, including carbon black, charcoal, coal or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.

Group G - atmospheres containing combustible dusts not included in Group E or F, including flour, grain, wood, plastic, and chemicals.

BAKING INDUSTRY SANITATION STANDARDS COMMITTEE

WASHGUARD II, stainless steel washdown duty motors, NEMA frames 56, 143T, 145T, 182T and 184T are certified to Standard No. 29 for Electric Motors and Accessory Equipment, authorization number 769. The WBMQ Series of gear reducers are BISSC certified to Standard No. 29 for Electric Motors and Accessory Equipment, authorization number 941.

SAUDI ARABIAN STANDARDS ORGANIZATION

SCCP Ref. No.: R-100157

U.S. DEPARTMENT OF ENERGY (DOE)

Compliance Certification (CC) number: CC005A

The CE Mark

CE is an acronym for the French phrase *"Conformite Europeene"* and is similar to the UL or CSA marks of North America. However, unlike UL or CSA which require independent laboratory testing, the CE mark can be applied by the motor manufacturer through "self certifying" that its products are designed to the appropriate standards. The European Union has issued 24 directives related to the **CE** mark. Three Directives apply to electric motors.

Low Voltage Directive (2006/95/EC) This directive applies to electrical equipment operating in the voltage range of 50-1000 volts AC or 75-1500 volts DC. Virtually all LEESON motors (except low voltage DC) are included in this directive.

Based on our testing to the applicable electrical and mechanical standards EN60034 and IEC 34, LEESON certifies conformity to this directive. All three phase 50 Hz stock motors comply with the nameplate designations, lead markings and connection diagrams required. A "Declaration of Conformity" accompanies these motors and a CE label is applied.

Machinery Directive (89/3392/EEC) This directive applies to machinery that may contain certain motors. This is an issue with equipment manufacturers and requires the use of a motor meeting the Low Voltage Directive and requires a "Declaration of Incorporation" document which means that only the motor complies with the requirements of the Low Voltage Directive. A CE label is applied to the motor but it remains the responsibility of the equipment manufacturer to obtain certification for the finished product.

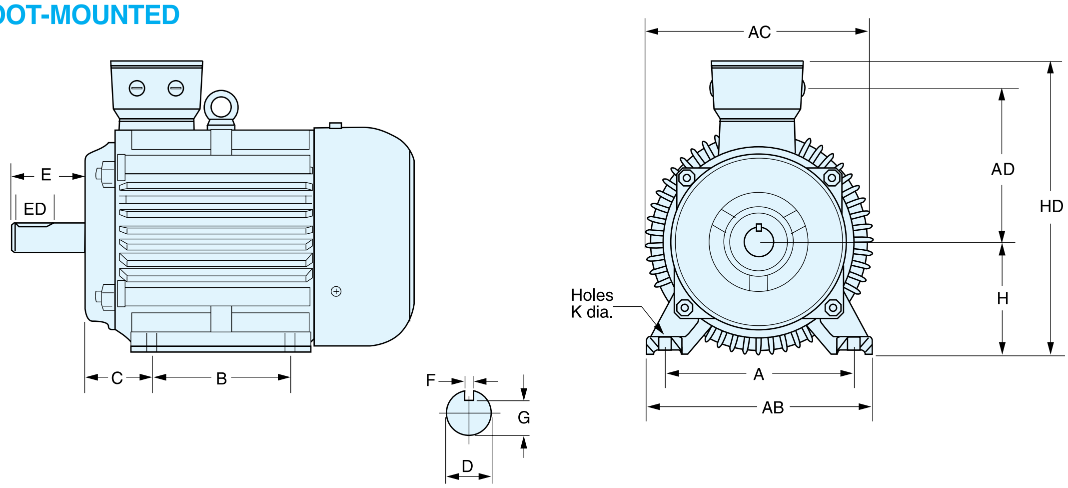
Electromagnetic Compatibility (EMC) Directive (2004/108/EC) This directive addresses the final product and is again a concern for the equipment manufacturer. Since this Directive addresses electromagnetic interference (EMI) concerns, it does not affect three phase AC motors because they do not produce EMI. DC motors, however, do produce EMI. How much of the "noise" is emitted outside the machine depends on a host of factors. LEESON's Engineering Department can assist OEM's in applying DC motors in machinery destined for Europe and requiring certification to the EMC Directive.

CE CONFORMITE EUROPEENE

Technical Information

Dimensions - AC Metric (IEC) Motors

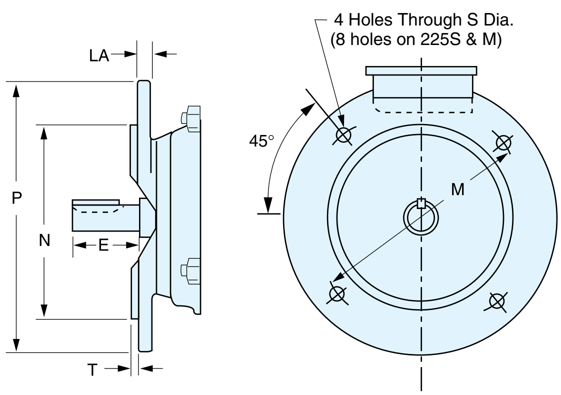
B3 FOOT-MOUNTED



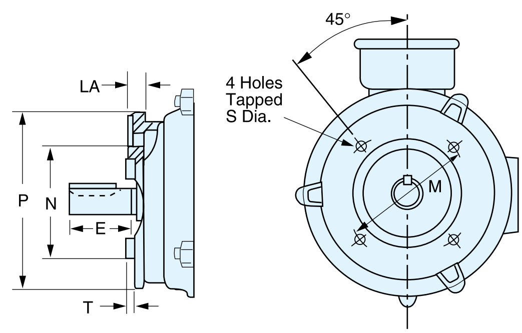
METRIC (IEC) FRAME DIMENSIONS (Millimeters)

Frame	Mounting						Shaft						General			B5 Flange						B14 Face					
	A	B	C	H	AB	K	D	E	F	G	ED	DH	AC	AD	HD	M	N	P	S	T	LA	M	N	P	S	T	LA
D56	90	71	36	56	107	6	9	20	3	7.5	8	M3 x 8	–	–	–	100	80	120	7	2.5	7	65	50	80	M5	2.5	7
D63	100	80	40	63	122	7	11	23	4	8.5	10	M4 x 10	126	84	171	115	95	140	10	3.0	7	75	60	90	M5	2.5	7
D71	112	90	45	71	136	7	14	30	5	11.0	20	M5 x 12.5	141	94	191	130	110	160	10	3.5	7	85	70	105	M6	2.5	9
D80	125	100	50	80	154	10	19	40	6	15.5	25	M6 x 16	159	102	206	165	130	200	12	3.5	12	100	80	120	M6	3.0	9
D90S	140	100	56	90	172	10	24	50	8	20.0	32	M8 x 19	180	112	229	165	130	200	12	3.5	12	115	95	140	M8	3.0	9
D90L	140	125	56	90	172	10	24	50	8	20.0	32	M8 x 19	180	112	229	165	130	200	12	3.5	12	115	95	140	M8	3.0	9
DF100L	160	140	63	100	205	12	28	60	8	24.0	40	M10 x 22	205	130	270	215	180	250	15	4.0	11	130	110	160	M8	3.5	14
DF112M	190	140	70	112	230	12	28	60	8	24.0	40	M10 x 22	240	150	300	215	180	250	15	4.0	12	130	110	160	M8	3.5	11
DF132S	216	140	89	132	270	12	38	80	10	33.0	56	M12 x 28	275	180	345	265	230	300	15	4.0	12	165	130	200	M10	3.5	14
DF132M	216	178	89	132	270	12	38	80	10	33.0	56	M12 x 28	275	180	345	265	230	300	15	4.0	12	165	130	200	M10	3.5	14
DF160M	254	210	108	160	320	15	42	110	12	37.0	80	M16 x 36	330	210	420	300	250	350	19	5.0	13	215	180	250	M12	4.0	13
DF160L	254	254	108	160	320	15	42	110	12	37.0	80	M16 x 36	330	210	420	300	250	350	19	5.0	13	215	180	250	M12	4.0	13
DF180M	279	241	121	180	355	15	48	110	14	42.5	80	M16 x 36	360	236	455	300	250	350	19	5.0	15	–	–	–	–	–	–
DF180L	279	279	121	180	355	15	48	110	14	42.5	80	M16 x 36	360	236	455	300	250	350	19	5.0	15	–	–	–	–	–	–
DF200L	318	305	133	200	395	19	55	110	16	49.0	100	M20 x 42	420	260	505	350	300	400	19	5.0	18	–	–	–	–	–	–
DF225S	356	286	149	225	435	19	55*/60	110*/140	16*/18	49*/53	100*/125	M20 x 42	450	275	580	400	350	450	19	5.0	18	–	–	–	–	–	–
DF225M	356	311	149	225	435	19	55*/60	110*/140	16*/18	49*/53	100*/125	M20 x 42	450	275	580	400	350	450	19	5.0	18	–	–	–	–	–	–
DF250M	406	349	168	250		24	60*/65	140*/140	18*/18	53*/58	125*/125	M20 x 42	508	300	625	–	–	–	–	–	–	–	–	–	–	–	–

* 2 Pole Dimensions
The overall length dimension for each catalog item is listed on pages 148-151 of this catalog.
Frames DF100L through DF132M, conduit box is located in the center of the frame.



B5 FLANGE

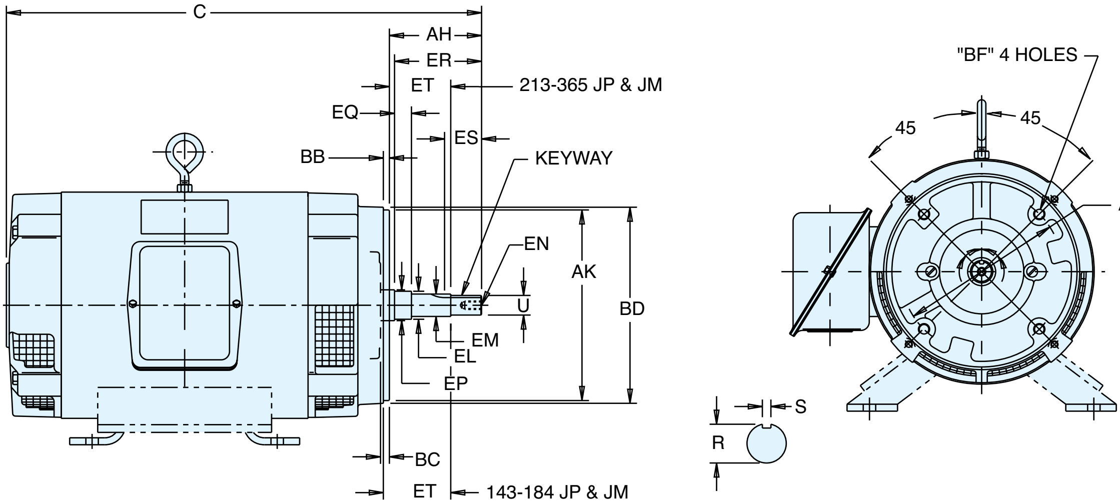


B14 FACE

Technical Information

Dimensions - Definite Purpose - Close Coupled Pump Motors

TYPICAL CLOSE COUPLED PUMP MOTOR



For standard NEMA base dimensions, see pages 280 and 282.

Dimensions for Type JM

Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 &	0.8745	4.15	5.890	4.500	0.150	6.62	4	3/8-16	0.56	1.156	1.0000	3/8-16	1.12	0.75	1.156	0.640	4.25	0.771	1.65	0.190	2.890
145JM	0.8740	4.10	5.860	4.497	0.10					1.154	0.9995					0.610		0.756		0.188	2.860
182 &	0.8745	4.13	5.89	4.500	0.16	6.62	4	3/8-16	0.56	1.250	1.0000	3/8-16	1.12	0.75	1.250	0.640	4.25	0.771	1.65	0.190	2.890
184JM	0.8740	4.09	5.86	4.497	0.125					1.248	0.9995					0.610		0.756		0.188	2.860
213 &	0.8750	4.25	7.265	8.500	0.312	9.00	4	1/2-13	0.75	1.250	1.0000	3/8-16	1.12	0.75	1.750	0.640	4.25	0.771	1.65	0.190	2.890
215JM	0.8745		7.235	8.497	0.250					1.248	0.9995					0.610		0.756		0.188	2.860
254 &	1.2495	5.25	7.250	8.500	0.312	10.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	0.640	5.25	1.112	2.53	0.252	3.015
256JM	1.2490			8.497	0.250					1.748	1.3745					0.610		1.097		0.250	2.985
284 &	1.2495	5.281	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	0.645	5.25	1.112	2.53	0.252	3.020
286JM	1.2490	5.219		12.495	0.250					1.748	1.3745					0.605		1.097		0.250	2.980
324 &	1.2495	5.281	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	0.645	5.25	1.112	2.53	0.252	3.020
326JM	1.2490	5.219		12.495	0.250					1.478	1.3745					0.605		1.097		0.250	2.980

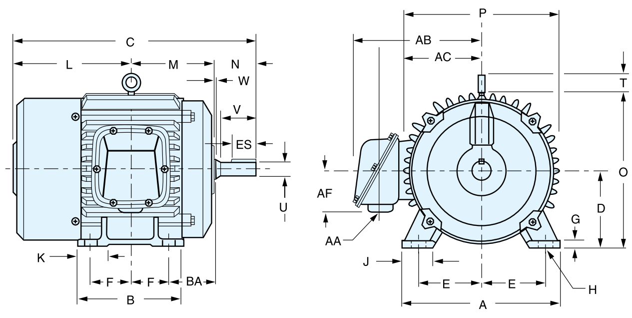
Dimensions for Type JP

Frame Desig.	U	AH	AJ	AK	BB	BD Max.	BF No.	BF Tap Size	BF Bolt Pen. Allow.	EL	EM	EN Tap Size	EN Tap Drill Depth Max.	EN Bolt Pen. Allow.	EP Min.	EQ	ER Min.	Keyseat R	Keyseat ES Min.	Keyseat S	ET
143 &	0.8745	7.19	5.890	4.500	0.156	6.62	4	3/8-16	0.56	1.156	1.0000	3/8-16	1.12	0.75	1.156	1.578	7.312	0.771	1.65	0.190	5.952
145JP	0.8740	7.15	5.860	4.497	0.125					1.154	0.9995					1.548		0.756	1.65	0.188	5.922
182 &	0.8745	7.21	5.890	4.500	0.156	6.62	4	3/8-16	0.56	1.250	1.0000	3/8-16	1.12	0.75	1.250	1.578	7.312	0.771	1.65	0.190	5.952
184JP	0.8740	7.15	5.860	4.497	0.100					1.248	0.9995					1.548		0.756		0.188	5.922
213 &	1.2495	8.12	7.250	8.500	0.312	9.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	2.390	8.125	1.112	2.53	0.252	5.890
215JP	1.2490			8.497	0.250					1.748	1.3745					2.360		1.097		0.250	5.860
254 &	1.2495	8.156	7.250	8.500	0.312	10.00	4	1/2-13	0.75	1.750	1.3750	1/2-13	1.50	1.00	1.750	2.390	8.125	1.112	2.53	0.252	5.890
256JP	1.2490	8.094		8.497	0.250					1.748	1.3745					2.360		1.097		0.250	5.855
284 &	1.2495	8.156	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	2.390	8.125	1.112	2.53	0.252	5.895
286JP	1.2490	8.094		12.495	0.250					1.748	1.3745					2.360		1.097		0.250	5.860
324JP &	1.2495	8.12	11.00	12.500	0.312	14.00	4	5/8-11	0.94	1.750	1.3750	1/2-13	1.50	1.00	2.125	2.395	8.125	1.112	2.53	0.252	5.895
326JP	1.2490			12.495	0.250					1.748	1.3745					2.355		1.097		0.250	5.855
364JP &	1.6245	8.12	11.00	12.500	0.312	14.00	4	5/8-11	0.94	2.125	1.7500	1/2-13	1.50	1.00	2.500	2.395	8.125	1.416	2.53	0.377	5.895
365JP	1.6240			12.495	0.250					2.13	1.7495					2.355		1.401		0.375	5.855

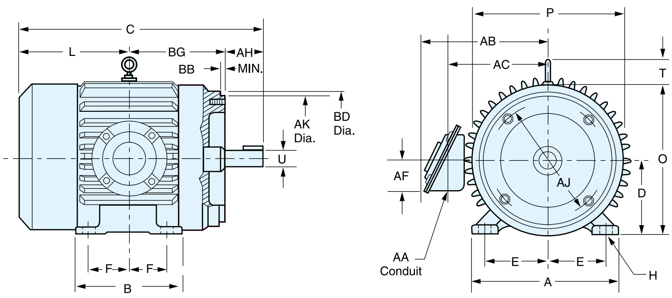
All dimensions are measured in inches. For "C" dimensions, refer to the appropriate catalog page. Certified drawings are available upon request - contact LEESON for details.

Dimensions - NEMA Explosion Proof - 158 Series

RIGID MOUNT 158 SERIES



C FACE 158 SERIES



NEMA EXPLOSION-PROOF • 158 SERIES • RIGID MOUNT DIMENSIONS (Inches)

Frame Size	A	B	D	E	F	G	H	J	K	L	M	N	O	P	T	U	V	N-W	ES	AA	AB	AC	AF	BA	KEY
182T	9	6	4 1/2	3 3/4	2 1/4	7/16	7/16	1 3/4	1 7/8	6 13/16	4 15/16	2 13/16	9 1/8	9 1/4	—	1.125	2 1/2	2 3/4	1 7/8	3/4	7 13/16	6 9/16	3 1/8	2 3/4	
184T		7			2 3/4					7 5/16	5 7/16	2 15/16													
213T	10 1/2	7	5 1/4	4 1/4	2 3/4	7/16	7/16	2	1 7/8	8 1/8	6 3/16	3 7/16	10 1/2	10 1/2	2 5/16	1.375	3 1/8	3 1/4	2 7/16	1	9 1/4	7 5/8	3 1/2	3 1/2	5/16
215T		8 1/2			3 1/2					8 7/8	6 15/16														
254T	12 1/2	10 1/4	6 1/4	5	4 1/8	5/8	9/16	2 1/2	2 5/8	10 3/8	8 5/16	4 1/16	12 1/2	12 1/2	2 5/16	1.625	3 3/4	3 7/8	2 15/16	1 1/4	10 1/4	8 7/8	3 7/8	4 1/4	
256T		12			5					11 1/4	9 3/16														
284T	13 3/4	11 1/2	7	5 1/2	4 3/4	5/8	9/16	2 1/2	2 3/4	11 13/16	9 7/16	4 11/16	14	14	2 7/16	1.875	4 3/8	4 1/2	3 1/4	1 1/2	12 1/8	10	4 7/16	4 3/4	1/2
284TS												3 5/16				1.625	3	3 1/8	1 15/16						3/8
286T		13			5 1/2					12 9/16	10 3/16	4 11/16				1.875	4 3/8	4 1/2	3 1/4						1/2
286TS												3 5/16				1.625	3	3 1/8	1 15/16						3/8
324T	15 1/2	13 1/4	8	6 1/4	5 1/4	5/8	11/16	2 3/4	3 1/8	13 3/16	10 7/16	5 5/16	16	16	2 5/8	2.125	5	5 1/8	4	2	14 3/8	11 3/4	5 3/8	5 1/4	
324TS												3 13/16				1.875	3 1/2	3 5/8	2						
326T		14 3/4			6					13 15/16	11 3/16	5 5/16				2.125	5	5 1/8	3						
326TS												3 13/16				1.875	3 1/2	3 5/8	2 1/16						
364T	17	15	9	7	5 5/8	7/8	11/16	2 3/4	3 7/8	16 1/16	11 3/8	6	18 1/2	19	12 7/8	2.375	5 5/8	5 3/4	4 1/4	3	16 1/16	13 5/16	6 7/8	5 7/8	5/8
364TS												3 7/8				1.875	3 1/2	3 5/8	2 1/16						1/2
365T					6 1/8					15 9/16	11 7/8	6				2.375	5 5/8	5 3/4	4 1/4						5/8
365TS								3 3/4				3 7/8				1.875	3 1/2	3 5/8	2 1/16						1/2
405T	19	16	10	8	6 7/8	1 1/8	13/16	3 1/4	3 1/4	17 9/16	13 1/8	7 5/8	21 5/16	22 5/16	2 15/16	2.875	7	7 1/8	5 11/16	4	16 3/8	13 1/4	7 1/2	6 5/8	3/4
405TS												4 5/8				2.125	4	4 1/8	2 7/8						1/2

NEMA EXPLOSION-PROOF • 158 SERIES • C FACE DIMENSIONS (INCHES)

FRAME SIZE	A	B	D	E	F	H	L	O	P	T	U	V	AH	AJ DIA.	AJ BARR.	BB	AK	BD	BG	AA	AB	AC	AF	KEYWAY
182T	9	6	4 1/2	3 3/4	2 1/4	7/16	6 5/8	9 1/8	9 1/4	—	1.1250	2 1/2	2 5/8	7 1/4	4	9/32	8.500	8 3/4	5 7/8	3/4	9 3/8	7 1/8	2 1/2	1/4
184T		7			2 3/4		7 1/8												6 3/8					

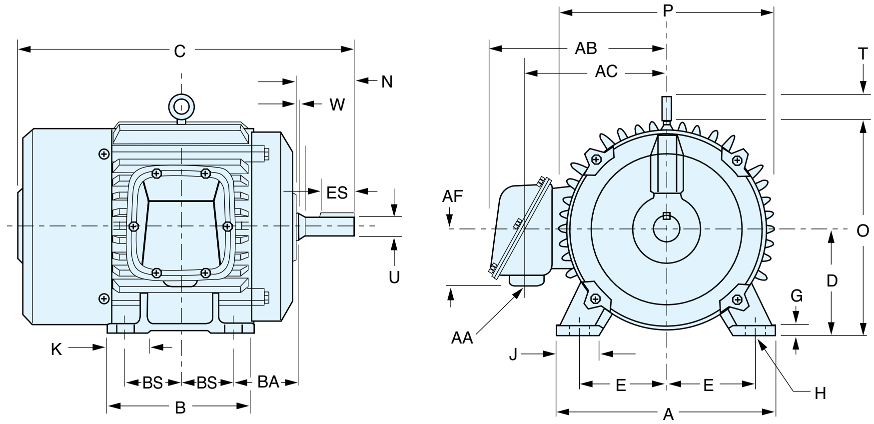
The condensed dimensions shown on these pages are for general reference only and are not for construction. The overall length or "C" dimension for each catalog item is included in this catalog. Certified drawings of all ratings are available for construction purposes.

LEESON®

Technical Information

Dimensions - NEMA Explosion Proof - G Series

RIGID MOUNT G-SERIES



NEMA EXPLOSION-PROOF • G-SERIES • RIGID MOUNT DIMENSIONS (Inches)

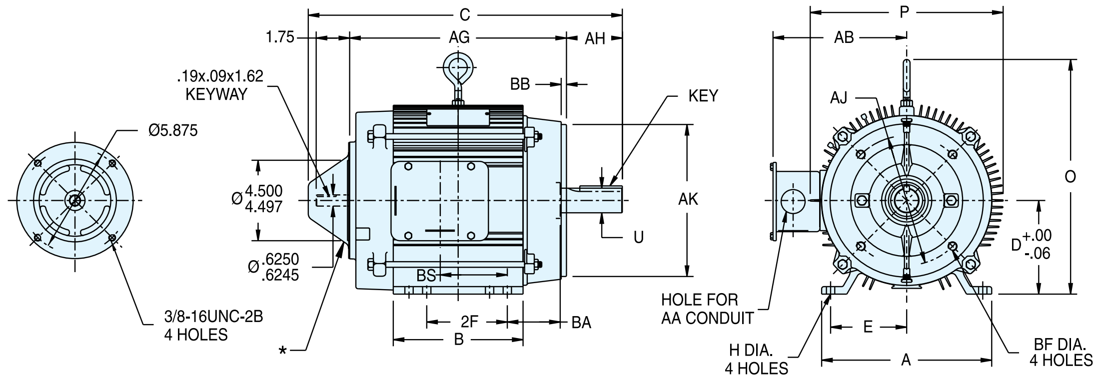
Frame Size	A	B	D	E	2F*	G	H	J	K	N	O	P	T	U	N-W	ES	AA	AB	AC	AF	BA	BS	KEY	C Dim
182T	8.88	7.75	—	3.75	6.75	0.45	0.41-0.46	1.56	—	2.78	9.36	9.76	2.62	1.125	2.75	1.75	0.75	9.73	7.13	—	2.75	3.37	0.25	17.12
184T																								
213T	10.38	8.50	5.19	4.25	7.00	0.60	0.44	1.87	_	3.41	10.60	11.50	2.62	1.375	3.38	2.38	0.75	10.94	8.32	2.55	3.50	3.50	0.31	20.18
215T			5.25																					
254T	12.12	10.25	6.19	5.00	8.25	0.55	0.53-0.58	2.08	—	4.19	14.07	14.12	—	1.625	4.00	2.88	1.25	13.67	10.65	3.12	4.25	4.12	0.38	23.52
256T			6.25		10.00																	5.00		25.27
284T	13.00	11.50	6.94	5.50	9.50	0.88	0.53-0.58	2.50	2.50	4.81	14.74	15.50	3.25	1.875	4.62	3.25	1.50	15.33	11.44	5.38	4.75	4.75	0.50	26.30
284TS										3.44				1.625		1.88							0.38	24.94
286T		13.00	7.00		11.00					4.81				1.875		3.25						5.50	0.50	27.80
286TS										3.44				1.625		1.88							0.38	26.44
324T	15.75	13.00	7.94	6.25	10.50	0.86	0.66-0.71	3.50	—	5.50	17.10	16.00	3.25	2.125	5.25	3.88	2.00	16.50	12.64	5.38	5.25	5.25	0.50	28.87
324TS										4.00				1.875	3.75	2.00								27.37
326T		14.50	8.00		12.00					5.50				2.125	5.25	3.88						6.00	0.50	30.37
326TS										4.00				1.875	3.75	2.00								28.87
364T	17.75	13.25	8.94	7.00	11.25	1.12	0.66-0.71	4.00	3.25	6.12	19.00	20.00	3.62	2.375	5.88	4.24	2.50	19.75	14.50	5.38	5.88	5.62	0.62	31.50
364TS										4.00				1.875	3.75									29.38
365T		14.25	9.00		12.25					6.12				2.375	5.88							6.12		32.50
365TS										4.00				1.875	3.75									30.38
405T	19.25	16.25	—	8.00	13.75	1.12	0.81-0.86	4.25	3.75	7.50	20.87	21.75	3.62	2.875	7.25	5.62	2.50	21.50	16.38	5.38	6.62	6.88	0.75	37.12
405TS										4.50				2.125	4.25	2.75							0.50	34.12
444T	21.50	18.00	10.94	9.00	14.50	1.25	0.81-0.86	3.75	4.50	8.75	23.12	24.25	3.62	3.375	8.50	6.88	2.50	22.75	17.50	5.38	7.50	7.25	0.88	41.25
444TS										5.00				2.375	4.75	3.00							0.62	37.50
445T		19.75	11.00		16.50	1.22			5.12	8.75	24.11	26.31	2.44	3.375	8.50	6.88	3.00	27.24	20.06	6.18		8.25	0.88	43.19
445TS										5.00				2.375	4.75	3.00							0.62	39.44
449T		28.25			25.00	1.25			9.88	8.75	24.19	26.31	0.77	3.375	8.50	6.88		26.09	18.88			1.78	0.88	51.69
449TS										5.00				2.375	4.75	3.00							0.62	47.97

* 182-4T and 213-5T frames have eight-hole bases. 449T and TS frames have six-hole bases. Others have four-hole bases.

LEESON

Dimensions - Speedmaster® Inverter Duty Motors

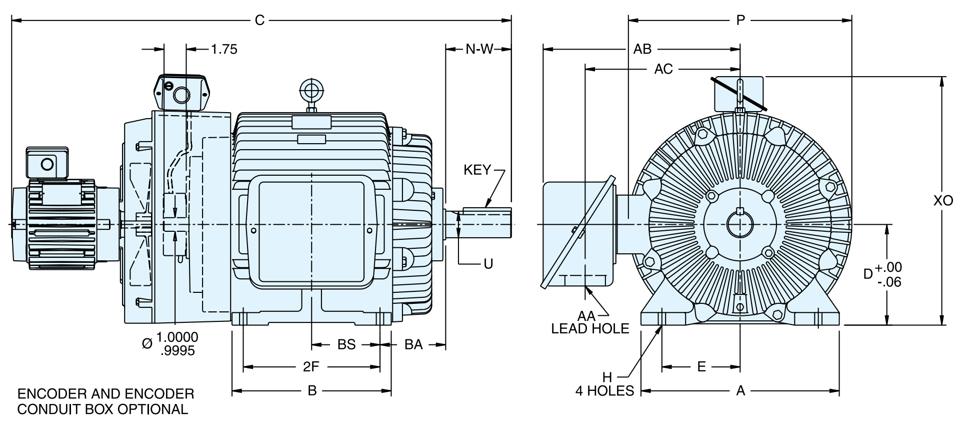
TENV—C FACE, RIGID BASE



TENV • C FACE • RIGID BASE • DIMENSIONS (Inches)

Frame Size	D	E	2F	H	O MAX.	P MAX.	U	AA	AB MAX.	AG MAX.	AH	AJ	AK	BA	BB	BF	BS	KEY
143TC	3.50	2.75	4.00	.38	7.45	7.98	.875	1.09	7.04	9.25	2.12	5.875	4.50	2.62	.13	3/8-16	2.81	.19 x .19 x 1.38
145TC	3.50	2.75	5.00	.35	7.45	7.98	.875	1.09	7.04	10.25	2.12	5.875	4.50	2.62	.13	3/8-16	3.81	.19 x .19 x 1.38
182TC	4.50	3.75	4.50	.41	9.36	9.76	1.125	1.09	8.08	11.75	2.62	7.250	8.50	3.50	.27	1/2-13	2.25	.25 x .25 x 1.75
184TC	4.50	3.75	5.50	.41	9.36	9.76	1.125	1.09	8.08	12.75	2.62	7.250	8.50	3.50	.27	1/2-13	2.75	.25 x .25 x 1.75
213TC	5.25	4.25	5.50	.44	10.97	11.50	1.375	1.09	9.31	15.12	3.12	7.250	8.50	4.25	.27	1/2-13	3.50	.31 x .31 x 2.38
215TC	5.25	4.25	7.00	.44	10.97	11.50	1.375	1.09	9.31	17.31	3.12	7.250	8.50	4.25	.27	1/2-13	6.18	.31 x .31 x 2.38
254TC	6.25	5.00	8.25	.53	14.09	14.27	1.625	1.25	9.83	19.06	3.75	7.250	8.50	4.75	.27	1/2-13	6.31	.38 x .38 x 2.88
256TC	6.25	5.00	10.00	.56	14.09	14.27	1.625	1.25	11.08	18.82	3.75	7.250	8.50	4.75	.27	1/2-13	5.00	.38 x .38 x 2.88
284TC	7.00	5.50	9.50	.56	14.16	14.32	1.875	1.50	12.31	20.57	4.38	9.000	10.50	4.75	.27	1/2-13	5.50	.50 x .50 x 3.25

TEBC—TOTALLY ENCLOSED BLOWER COOLED, RIGID BASE



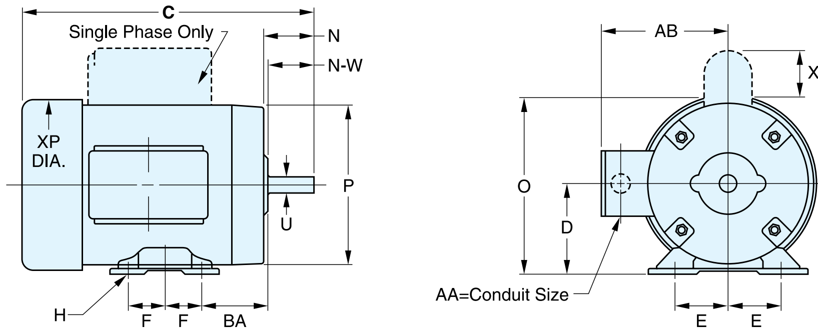
TEBC • TOTALLY ENCLOSED BLOWER COOLED • RIGID BASE • DIMENSIONS (Inches)

Frame Size	D	E	2F	H	O MAX.	P MAX.	U	AA	AB MAX.	AC MAX.	BA	BS	FU	N-W	KEY
325T	8.00	6.25	10.50	.66	16.00	15.88	2.12	2.00	13.69	10.69	5.25	5.25	1.00	5.25	.50 x .50 x 3.88
326T	8.00	6.25	12.00	.66	16.00	15.88	2.12	2.00	13.69	10.69	5.25	6.00	1.00	5.25	.50 x .50 x 3.88
364T	9.00	7.00	11.25	.66	19.00	20.00	2.38	3.62	17.85	14.56	5.88	5.62	1.00	5.88	.62 x .62 x 4.25
365T	9.00	7.00	12.25	.66	19.00	20.00	2.38	3.62	17.85	14.56	5.88	6.12	1.00	5.88	.62 x .62 x 4.25
404T	10.00	8.00	12.25	.81	20.88	21.75	2.88	3.62	18.75	14.75	6.62	6.12	1.00	7.25	.75 x .75 x 5.62
405T	10.00	8.00	13.75	.81	20.88	21.75	2.88	3.62	19.75	16.25	6.62	6.88	1.00	7.25	.75 x .75 x 5.62
444T	11.00	9.00	14.50	.81	24.19	25.31	3.38	3.62	20.94	17.38	7.50	7.25	1.00	8.50	.88 x .88 x 6.88
445T	11.00	9.00	16.50	.81	24.19	26.31	3.38	3.62	20.94	17.38	7.50	8.25	1.00	8.50	.88 x .88 x 6.88
449T	11.00	9.00	25.00	.81	24.22	26.31	3.38	4.62	25.90	19.31	7.50	1.78	1.00	8.50	.88 x .88 x 6.88

Technical Information

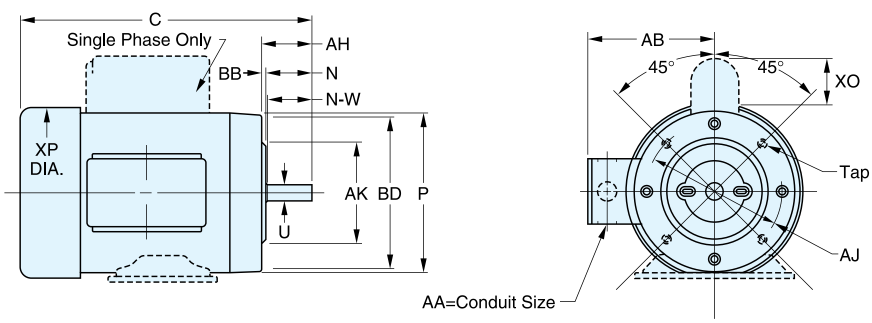
Dimensions - NEMA Steel Frame Motors

RIGID MOUNT



The condensed dimensions shown on these pages are for general reference only and are not for construction. The overall length or "C" dimension for each catalog item is included in this catalog. Certified drawings of all ratings are available for construction purposes.

C FACE



NEMA SHAFT AND KEYWAY DIMENSIONS ■ (Inches)

NEMA SHAFT (U)	KEYWAY DIMENSIONS (R)	KEYWAY DIMENSIONS (S)	NEMA SHAFT (U)	KEYWAY DIMENSIONS (R)	KEYWAY DIMENSIONS (S)
3/8	21/64	FLAT	1-7/8	1-19/32	1/2
1/2	29/64	FLAT	2-1/8	1-27/32	1/2
5/8	33/64	3/16	2-3/8	2-1/64	5/8
7/8	49/64	3/16	2-1/2	2-3/16	5/8
1-1/8	63/64	1/4	2-7/8	2-29/64	3/4
1-3/8	1-13/64	5/16	3-3/8	2-7/8	7/8
1-5/8	1-13/32	3/8	3-7/8	3-5/16	1

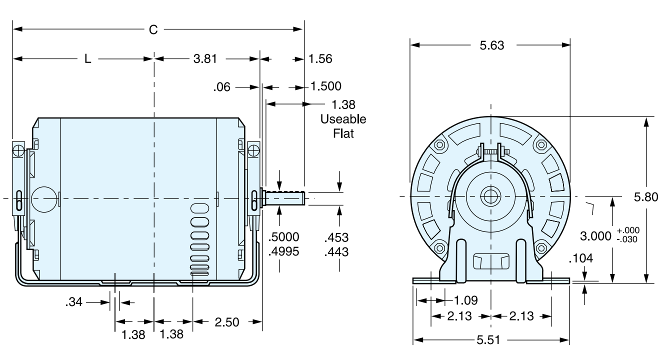
■ S is keyway width.
U minus R is keyway depth.

NEMA STEEL FRAME DIMENSIONS (Inches)

Frame Size ▲	D	E	F	H	N	O	P	U	N-W	AA	AB	AH	AJ	AK	BA	BB	BD	XO	XP	TAP **	KEY
42	2 5/8	1 3/4	27/32	9/32 Slot	1 3/16	5 1/16	4 7/8	3/8	1 1/8	3/8	4 1/2	1 5/16	3 3/4	3	2 1/16	1/8	4 7/8	1 5/8	5 1/8	1/4-20	3/64 Flat
48	3	2 1/8	1 3/8	11/32 Slot	1 9/16	5 13/16	5 19/32	1/2	1 1/2	1/2	4 7/8	1 11/16	3 3/4	3	2 1/2	1/8	5	2 1/4	5 7/8	1/4-20	3/64 Flat
S56 56	3 1/2	2 7/16	1 1/2	11/32 Slot	1 15/16	6 5/16 6 13/16	5 19/32 6 19/32	5/8	1 7/8	1/2	4 7/8 5 5/16	2 1/16	5 7/8	4 1/2	2 3/4	1/8	6 1/2	2 1/4	5 7/8 7 5/32	3/8-16	3/16
143T 145T	3 1/2	2 3/4	2 2 1/2	11/32	2 3/8	6 13/16	6 19/32	7/8	2 1/4	3/4	5 5/16	2 1/8	5 7/8	4 1/2	*2 1/4	1/8	6 1/2	2 1/4	7 5/32	3/8-16	3/16
182T 184T	4 1/2	3 3/4	2 1/4 2 3/4	13/32	2 7/8	8 3/4	8 15/32	1 1/8	2 3/4	3/4	6 7/16	2 5/8	7 1/4	8 1/2	*2 3/4	1/4	8 7/8	2 1/4	9 7/32	1/2-13	1/4
S213T 213T 215T	5 1/4	4 1/4	2 3/4 2 3/4 3 1/2	13/32	3 1/2 —	9 27/32 10 5/8	8 13/32 9 21/32	1 3/8	3 3/8	3/4	7 19/32	3 1/8	7 1/4	8 1/2	*3 1/2	1/4	8 7/8 8 5/8	2 1/4	9 7/32 10 13/16	1/2-13	5/16

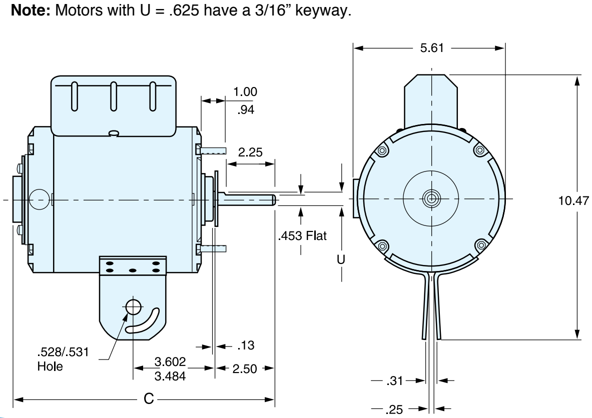
* 143-5TC NEMA C face BA dimension is 2¾". 182-4TC NEMA C face BA dimension is 3½". 213-5TC NEMA C face BA dimension is 4¼".
** 326TC and smaller have 4 mounting holes in NEMA C face, 364TC and larger have 8 mounting holes.
▲ Blue shading denotes dimensions established by NEMA standard MG1, others are unique to LEESON, and will vary with each manufacturer.

Split-Phase Motors - 191868, 191869 & 191870 (page 111)



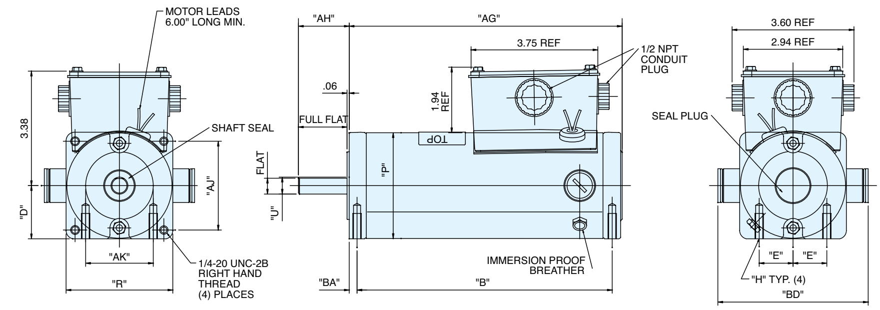
Pedestal Fan Motors (page 111)

Note: Motors with U = .625 have a 3/16" keyway.



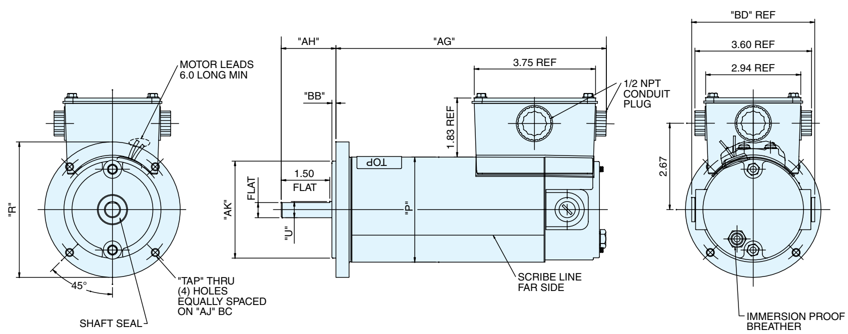
LEESON®

Dimensions - NEMA Steel Frame Motors



WASHGUARD 31 FRAME SQUARE FLANGE MOUNT STYLE DIMENSIONS (Inches)

Catalog Number	Frame	AG	P	BD	U	AH	AH-BB	AJ	Tap	R	AK	BB	D	BA	E	F	H
M1120181	31S	7.07	3.13	3.80	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	6.55	1/4-20
M1120182	31S	6.57	3.13	4.45	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	6.05	1/4-20
M1120183	31S	8.57	3.13	3.80	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	8.05	1/4-20
M1120184	31S	8.07	3.13	4.45	.50000	1.5	1.44	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	7.55	1/4-20



WASHGUARD 42C FACE MOUNT STYLE DIMENSIONS (Inches)

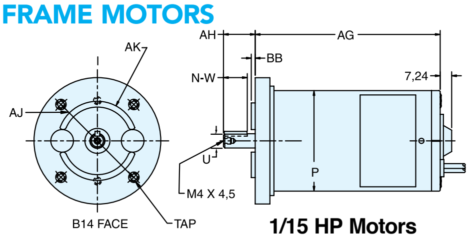
Catalog Number	Frame	AG	P	U	AH	AH-BB	KEY	AJ	TAP	AK	R	BD
M1120185	32F42CZ	8.36	3.25	.500	1.69	1.50	.13 SQ	3.750	1/4-20	3.00	4.19	3.80
M1120186	32F42CZ	7.86	3.25	.500	1.69	1.50	.13 SQ	3.750	1/4-20	3.00	4.19	4.43

ALL DIMENSIONS IN INCHES

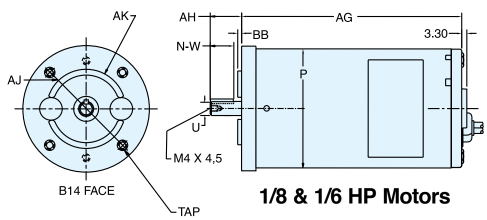
Technical Information

Dimensions

COMMERCIAL DUTY METRIC (IEC) FRAME MOTORS



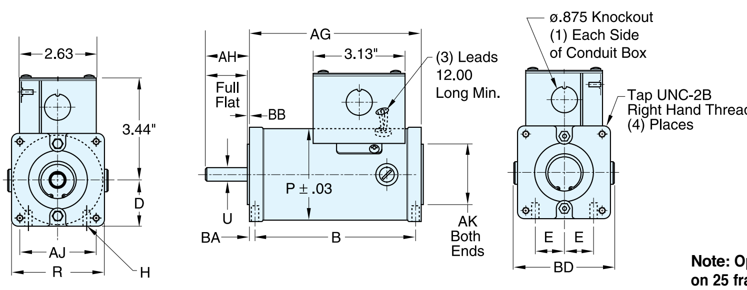
1/15 HP Motors



1/8 & 1/6 HP Motors

DIMENSIONS (Inches)

Frame	Voltage	AG	P	U	AH	N-W	AJ	TAP	AK	BB
	12	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
2.50	24	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	4.59	2.50	.35	.787	.591	2.56	M5x.8	1.97	.10
	12	5.53	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
3.00	24	5.53	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	5.53	3.13	.35	.787	.591	2.56	M5x.8	1.97	.10
	12	5.87	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
3.00	24	5.87	3.00	.35	.787	.591	2.56	M5x.8	1.97	.10
	90	5.87	3.13	.35	.787	.591	2.56	M5x.8	1.97	.10



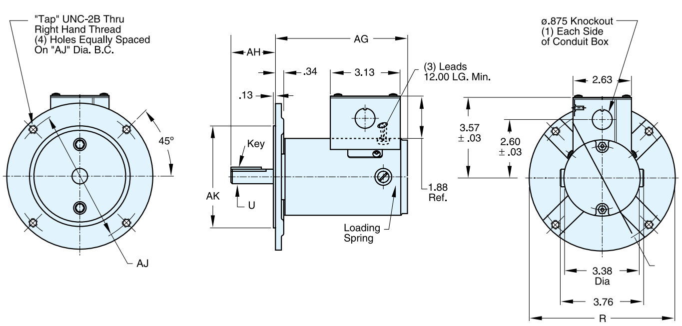
Note: Optional conduit box not included on 25 frame models.

Conduit box dimensions shown here are for 31 frame only.

25 & 31 FRAME SQUARE FLANGE MOUNT DIMENSIONS (Inches)

Frame	Type	AG	P	BD	U	AH	AH-BB	AJ	TAP	R	AK	BB	D	BA	E	B	H
25	**AS**	4.08	2.50	3.00	.312	1.5	1.00	1.73	8-32	2.62	.997	.03	1.28	.125	.625	3.83	8-32
	CS	4.94	2.50	3.00	.312	1.5	1.00	1.73	8-32	2.62	.997	.03	1.28	.125	.625	4.69	8-32
31	**BS**	5.39	3.07	3.45	.5000	1.5	1.00	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	4.92	1/4-20
	CS**	5.89	3.07	3.45	.5000	1.5	1.00	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	5.42	1/4-20
	ES**	6.89	3.07	3.45	.5000	1.5	1.00	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	6.42	1/4-20
	GS	7.89	3.07	3.45	.5000	1.5	1.00	2.63	1/4-20	3.16	1.99	.07	1.57	.235	1.000	7.42	1/4-20

**Catalog numbers M1120041 & M1120044 have an 'AG' & 'F' dimension that is .5" longer than stated in table.



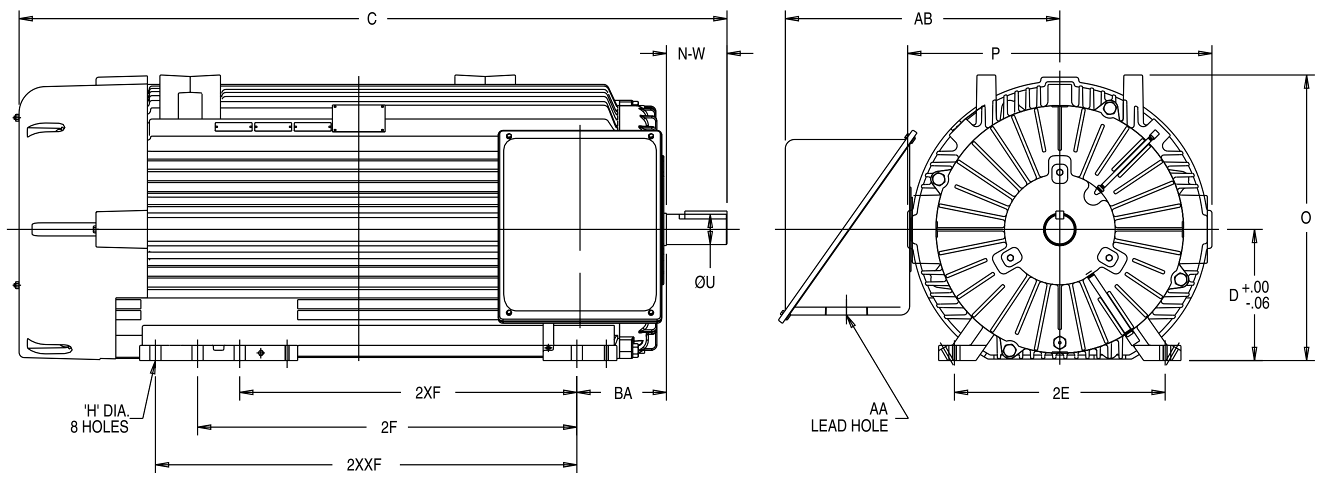
42C FACE MOUNT DIMENSIONS (Inches)

Frame	AG	P	U	AH	AH-BB	KEY	AJ	TAP	AK	R
34D42C	6.43	3.38	.500	1.38	1.25	.13 SQ	3.750	1/4-20	3.00	4.25

56C FACE MOUNT DIMENSIONS (Inches)

Frame	AG	P*	U	AH	AH-BB	KEY	AJ	TAP	AK	R
34E56C	6.87	3.38	.625	2.06	1.93	.19 SQ	5.875	3/8-16	4.50	6.50
34G56C	8.59	3.38	.625	2.06	1.93	.19 SQ	5.875	3/8-16	4.50	6.50

*For 1/4 HP 34 frame TEFC designs. Fan cover diameter is 3.88".



FRAME	H	BA	2XF	2F	2XXF	N-W	U	AB (MAX.)	P (MAX.)	O (MAX.)	D	2E	AA
5010LS	1.062 1.077	8.50	32.00	—	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011LS	1.062 1.077	8.50	—	36.00	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012LS	1.062 1.077	8.50	—	—	40.00	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013LS	1.062 1.077	8.50	45.00	—	—	5.75	2.875 2.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010LX	1.062 1.077	8.50	32.00	—	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011LX	1.062 1.077	8.50	—	36.00	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012LX	1.062 1.077	8.50	—	—	40.00	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013LX	1.062 1.077	8.50	45.00	—	—	12.00	3.875 3.874	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010L	1.062 1.077	8.50	32.00	—	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011L	1.062 1.077	8.50	—	36.00	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012L	1.062 1.077	8.50	—	—	40.00	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013L	1.062 1.077	8.50	45.00	—	—	9.50	4.000 3.999	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5010S	1.062 1.077	8.50	32.00	—	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5011S	1.062 1.077	8.50	—	36.00	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5012S	1.062 1.077	8.50	—	—	40.00	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT
5013S	1.062 1.077	8.50	45.00	—	—	5.75	2.625 2.624	26.05	28.88	27.08	12.470 12.410	20.00	4.00 NPT

All dimensions are measured in inches. For "C" dimensions, refer to the appropriate catalog page. Certified drawings are available upon request - contact LEESON Electric for details.

Terms and Conditions

TERMS AND CONDITIONS OF SALES QUOTATIONS ARE MADE AND ORDERS ARE ACCEPTED BY SELLER ONLY TO THESE TERMS AND CONDITIONS. THE SELLER FOR THESE TERMS AND CONDITIONS APPLY TO BOTH LEESON ELECTRIC AND LINCOLN MOTORS PRODUCTS:

1. AGREEMENT AND MODIFICATION OF SALES TERMS.
The agreement between Seller and Buyer ("Sales Contract") is with respect to the sale of goods described on the other side hereof (the "Goods"). Any Terms and Conditions contained in any purchase order or other form of communication from Seller's customers, which are additional to or different from these Terms and Conditions, shall be deemed rejected by Seller unless expressly accepted in writing by Seller.

2. ACCEPTANCE OF ORDERS.
Acceptance by Seller of Buyer's purchase order(s) is expressly conditioned upon Buyer's assent to these Terms and Conditions. Buyer will be deemed to have assented to such Terms and Conditions unless Seller receives written notice of any objections within 10 days after Buyer's receipt of this form or in all events prior to any delivery or other performance by Seller of Buyer's order.

3. QUOTATIONS.
Quotations by Seller shall be deemed to be offers by Seller to sell the Goods described therein subject to these Terms and Conditions, and acceptance of such offers is expressly limited to acceptance by Buyer of all of these Terms and Conditions within 30 days from the date of the quotation or as specified. Purchase orders submitted by Buyer for the Goods quoted by Seller shall be subject to and will be deemed to constitute acceptance of these Terms and Conditions. All purchase orders will be subject to approval by Seller.

4. TERMINATION OR MODIFICATION.
The Sales Contract may be modified or terminated only upon Seller's express written consent, which consent will at all times be conditioned on Buyer's agreement to pay Seller's modification or termination charges including, but not limited to expenses and costs plus a reasonable profit, except that any Goods completed on or before Seller's acceptance of termination shall be accepted and paid in full by Buyer.

5. PRICES AND TERMS.
Fulfillment of Buyer's order is contingent upon the availability of materials. The price of the Goods sold pursuant to the Sales Contract shall be based upon Seller's prices in effect at the time of shipment and any acceptance of the order will be on the basis of the freight rates in effect at the time of shipment. In the event of an increase or decrease in the applicable freight charges before the material is shipped, such changes in freight charges will be for the account of Buyer. Price advances, discounts, extras and terms and conditions are subject to changes without notice. Unless otherwise provided on the front side hereof, price is F.O.B. Seller's point of shipment, and terms of payment shall be net 30 days from date of invoice. Seller may assess finance and service charges of 1-1/2 percent per month (or the highest rate allowed by state law) on invoices not paid within stated payment terms. Open account credit status is offered at the discretion of the Seller. Seller may discontinue open account status or change credit limit as warranted, in its opinion, by the financial condition and/or credit history of the Buyer. Seller may require full or partial payment or payment guarantees in advance of shipment whenever, in its opinion, the financial condition and/or credit history of Buyer so warrants. In addition, Seller may, at any time, suspend performance of any order or require payment in cash, security or other adequate assurance satisfactory to Seller when, in Seller's opinion, the financial condition and/or credit history of Buyer warrants such action.

6. TAXES.
Prices do not include sales, use or other similar federal, state or local taxes. Buyer shall either have a tax-exemption certificate on file with the Seller or pay to Seller, in addition to the price of the Goods, any and all applicable taxes, which may be invoiced separately at a later date.

7. DESIGN; EXTRA WORK; BUYER'S MATERIAL.
(a) If any order accepted by Seller contemplates the preparation of special designs by Seller, Buyer issuing such order will have a responsible representative specifically approve all designs prepared by Seller. (b) If Buyer requests extra work not included in the quotation or original order, Buyer will pay for the extra work at reasonable rates as determined by Seller. (c) In the event spoilage/damage occurs on orders where Buyer furnishes any material, Seller shall not be liable for replacement of or damage to such material.

8. RISK OF LOSS, SECURITY INTEREST.
Delivery shall occur, and risk of loss shall pass to Buyer, upon delivery of the Goods to a carrier at the F.O.B. point of shipment. Transportation shall be at Buyer's sole risk and expense, and any claims for losses or damage in transit shall be against the carrier only. Buyer agrees to perform all acts necessary to provide a fully perfected security interest in the Goods in favor of Seller. Seller may, at its option, repossess the same, upon Buyer's default in payment hereunder, and charge Buyer with any deficiency.

9. DELIVERIES AND QUANTITIES.
(a) Delivery dates are not guaranteed but are estimated on the basis of immediate receipt by Seller of all information to be furnished by Buyer and the absence of delay, direct or indirect, resulting from or contributed to by circumstances beyond Seller's reasonable control. If the Goods are non-catalog Goods, Seller may ship overages or underages to the extent of 10 percent of quantity ordered, and Buyer shall pay for such quantity based upon the unit price of the Goods. Seller shall not be required to maintain closer control of quantity, unless specifically agreed to by Seller in writing. Quantities of all Goods may be determined by weight. Any claims for shortage must be within 10 days from the date of receipt of the Goods by Buyer, and in every case the weights found in any particular shipment, including tare, must be given and Seller advised as to the method used by Buyer in computing the count of Goods. (b) In the event that Buyer is unable to accept delivery of the Goods at time of shipment, Seller shall invoice Buyer for the full purchase price as if shipment had been made and: (i) if Seller is able to store such Goods in its own facilities, Buyer will pay Seller the reasonable handling and storage charges for the period of such storage, and (ii) if Seller is unable to store such Goods at its own facility, Seller reserves the right to arrange handling and storage in a suitable bonded warehouse for the Buyer at Buyer's expense. In cases where handling and storage become necessary, it shall be Buyer's responsibility to notify Seller when shipment is to be made. Seller will make necessary arrangements for shipment at Buyer's expense. Freight and handling charges by Seller may not reflect actual freight charges prepaid to the carrier by Seller due to incentive discounts earned by Seller based upon Seller's aggregate volume of freight tendered to a carrier or when a carrier must be used which charges a rate which is different than the rate upon which the Seller's freight and handling charges were based. When shipments are delivered in Seller's private trucks, Buyer will be charged an amount approximating the prevailing common carrier rate.

10. RETURNED GOODS.
Goods may not be returned. However, if Seller consents in writing or upon verbal authorization to the return of Goods for any reason, Buyer, who also shall assume all risk of loss of such returned Goods until actual receipt by Seller, must prepay transportation charges.

11. INSPECTION, ACCEPTANCE.
Buyer shall inspect the Goods immediately upon the receipt thereof. All claims by Buyer (including claims for shortages), except only those provided for under the WARRANTY AND LIMITATIONS OF LIABILITY and PATENTS clauses below, must be asserted in writing by Buyer within a 10-day period or they are waived. If this contract involves partial performances, all such claims must be asserted within a 10-day period for each partial performance. Rejection may be only for defects substantially impairing the value of the Goods. Buyer's remedy for lesser defects shall be those provided for under the Warranty and Limitations of Liability clauses. THERE SHALL BE NO REVOCATION OF ACCEPTANCE. If Buyer wrongfully rejects, revokes or delays acceptance of items or work tendered under this contract, or fails to make a payment due on or before delivery, or repudiates this contract, Seller shall, at its option, have the right to recover as damages, either the price as stated herein (upon recovery of the price, the Goods involved shall become the property of the Buyer) or the profit (including reasonable overhead) which the Seller would make from performance together with incidental damages and reasonable costs.

12. WARRANTIES, LIMITATIONS OF LIABILITY AND DISCLAIMER.
(a) Seller warrants to the Buyer that its motors, gear reducers, gearmotors, gearboxes, DC controllers, and AC drives are free from defects in workmanship and materials when operated under normal conditions and in accordance with nameplate characteristic limits. This warranty shall be in effect for a period of 12 months from date of installation, but in no event be in effect for more than 18 months from date of manufacture, with the following exceptions: i) EPACT motors ("G" prefix), which are warranted for a period of 24 months from date of installation but for not more than 30 months from date of manufacture, ii) Wattsaver Premium Efficiency three phase motors and Speedmaster Inverter-Duty motors are warranted for a period of 36 months from the date of installation but for not more than 42 months from the date of manufacture, & iii) Motor brakes provided as coupler brakes, brake kits, or as part of brakemotors are covered by the manufacturers' (Stearns or Dings) warranties. Certain Goods are warranted for different periods of time under specific conditions. Buyer must consult the current product catalog or internet site to confirm this warranty period.
(b) Seller's sole obligation under the foregoing warranties is limited to either, at Seller's option, replacing or repairing defective Goods (or defective parts thereof) within the warranty period. Seller shall not be liable under any circumstances, for consequential or incidental damages, including, but not limited to personal injury or labor costs. This warranty does not cover the cost of removal, installation, or re-testing of the new or repaired Goods or parts, or any other direct or incidental expenses incurred in shipping the Goods to or from Seller. Replacement Goods or parts are warranted for the remainder of the warranty period applicable to the Goods originally supplied by Seller. All claims for allegedly defective Goods must be made within 10 days after Buyer learns of such alleged defects. All claims not made in writing and received by Seller within such 10-day period shall be deemed waived. With prior approval from Seller, Buyer shall return a sample of the alleged defective part, freight prepaid, for Seller's inspection, and no other Goods shall be returned to Seller's District Office/Warehouse, nearest factory, or Authorized Service Center without Seller's written consent. This warranty shall not extend to Goods subjected to misuse, abuse, neglect, accident or improper installation or maintenance, incorrect lubrication, incorrect electrical connection, improper power supply, or Goods which have been altered or repaired by anyone other than Seller or its authorized representative.
(c) Under no circumstances will Seller be responsible for any expense in connection

with any repairs made by anyone other than Seller or an Authorized Service Center, unless such repairs have been specifically authorized in writing by the Seller Service and Warranty Department.

(d) In the case of motors, drives, gears and reducers manufactured or marketed by Seller, Seller warrants only that such Goods, when shipped, shall be capable of delivering the service rating as indicated in Seller's written documents, including quotations and catalogs or as noted on such Goods, providing such Goods are properly installed, connected, and maintained, correctly lubricated, operating under normal conditions with competent supervision, and within the load limits and voltage range for which it was sold, and provided further that the equipment is free from critical speed, torsional or other type vibration, no matter how induced.

(e) If any prototype or sample was provided to the Buyer, it was used merely to illustrate the general type and quality of Goods and not to warrant that Goods shipped would be of that type or quality.

(f) UNLESS AUTHORIZED IN WRITING BY A CORPORATE OFFICER OR VICE PRESIDENT, NO AGENT, EMPLOYEE OR REPRESENTATIVE OF SELLER HAS ANY AUTHORITY TO BIND SELLER TO ANY AFFIRMATION, REPRESENTATION OR WARRANTY CONCERNING THE GOODS SOLD UNDER THE SALES CONTRACT AND ANY SUCH AFFIRMATION, REPRESENTATION OR WARRANTY HAS NOT FORMED A PART OF THE BASIS OF THE BARGAIN AND SHALL BE UNENFORCEABLE.

(g) THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND/OR ANY OTHER TYPE, WHETHER EXPRESS OR IMPLIED.

(h) Products not manufactured and work not performed by Seller are warranted only to the extent and in the manner that the same are warranted to Seller by Seller's vendors, and then only to the extent that Seller is reasonably able to enforce such warranty. In enforcing such warranty, it is understood Seller shall have no obligation to initiate litigation unless Buyer undertakes to pay all costs and expenses therefor, including but not limited to reasonable attorney's fees, and indemnifies Seller against any liability to Seller's vendors arising out of such litigation.

(i) THE FOREGOING IS SELLER'S ONLY OBLIGATION AND BUYER'S EXCLUSIVE REMEDY FOR BREACH OF WARRANTY. BUYER'S FAILURE TO SUBMIT A CLAIM AS PROVIDED ABOVE SHALL SPECIFICALLY WAIVE ALL CLAIMS FOR DAMAGES OR OTHER RELIEF INCLUDING BUT NOT LIMITED TO CLAIMS BASED ON LATENT DEFECTS. EVEN IF THE REPAIR OR REPLACEMENT REMEDY SHALL BE DEEMED TO HAVE FAILED OF ITS ESSENTIAL PURPOSE UNDER SECTION 2-719 OF THE UNIFORM COMMERCIAL CODE, SELLER SHALL HAVE NO LIABILITY TO BUYER FOR CONSEQUENTIAL DAMAGES, SUCH AS LOST PROFITS, LOST REVENUE, DAMAGE TO OTHER EQUIPMENT OR LIABILITY OR INJURY TO A THIRD PARTY.IN NO EVENT SHALL BUYER BE ENTITLED TO INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES, NOR SHALL SELLER'S LIABILITY EXCEED THE PURCHASE PRICE OF THE GOODS. ANY ACTION ARISING HEREUNDER OR RELATED HERETO MUST BE COMMENCED WITHIN ONE (1) YEAR AFTER THE CAUSE OF ACTION OCCURS OR IT SHALL BE BARRED, NOTWITHSTANDING ANY STATUTORY PERIOD OF LIMITATIONS TO THE CONTRARY.

(j) In the event of the resale of any of the Goods, in whatever form, Buyer will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such resale: "THE MANUFACTURER MAKES NO WARRANTIES OR REPRESENTATIONS, EXPRESS OR IMPLIED, BY OPERATION OF LAW OR OTHERWISE, AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE GOODS SOLD HEREUNDER. BUYER ACKNOWLEDGES THAT IT ALONE HAS DETERMINED THAT THE GOODS PURCHASED HEREUNDER WILL SUITABLY MEET THE REQUIREMENTS OF THEIR INTENDED USE. IN NO EVENT WILL MANUFACTURER BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL OR OTHER DAMAGES."

(k) Nuclear Use Disclaimer - Goods sold by Seller are not intended for use in connection with any nuclear facility or activity. If so used, Seller disclaims all liability for any nuclear damage, injury or contamination, and Buyer shall indemnify and hold Seller, its officers, agents, employees, successors, assigns and customers harmless from and against any and all losses, damages or expenses of whatever form or nature (including attorneys' fees and other costs of defending any action) which they or any of them may sustain or incur, whether as a result of breach of contract, warranty, tort (including negligence) or otherwise, by reason of such use.

13. REMEDIES AND LIMITATIONS OF LIABILITY.

In the event Buyer claims Seller has breached any of its obligations under the Sales Contract, whether of warranty or otherwise, Seller may request the return of Goods and tender to Buyer, at Seller's option, a replacement shipment of Goods. If Seller so requests the return of the Goods, the Goods will be redelivered to Seller in accordance with Seller's instructions and at Buyer's expense. Except as herein provided, Seller shall have no further obligation under the Sales Contract. The remedies contained in this paragraph and paragraph 12 hereof shall constitute the sole recourse of Buyer against Seller for breach of any of Seller's obligations under the Sales Contract, whether warranty or otherwise.

14. TECHNICAL ADVICE.

Any technical advice furnished or recommendation made by Seller or any representative of Seller concerning any use or application of any of the Goods is believed to be reliable, but SELLER MAKES NO WARRANTY, EXPRESSED OR IMPLIED, ON RESULTS TO BE OBTAINED. BUYER ASSUMES ALL RESPONSIBILITY FOR LOSS OR DAMAGE RESULTING FROM THE HANDLING OR USE OF ANY OF THE GOODS.

15. FORCE MAJEURE.

Seller shall not be liable for failure to perform its obligations under the Sales Contract in whole or in part caused by the occurrence of any contingencies beyond the reasonable control either of Seller or of suppliers of Seller. If any such contingency occurs, Seller may allocate Goods and deliveries among Seller's customers.

16. ASSIGNMENT AND DELEGATION.

No right or interest in the Sales Contract shall be assigned by Buyer without Seller's prior written consent, and no delegation of any obligation owed, or to the performance of any obligation by Buyer shall be made without Seller's prior written consent. Any attempt at assignment or delegation shall be wholly void and totally ineffective for all purposes unless made in conformity with this paragraph.

17. PATTERNS AND TOOLING.

Unless otherwise agreed to in writing with Buyer, Seller shall retain title to and possession of all special tooling, patterns and dies whether paid for by Buyer or not, but such special tooling, patterns and dies that are specifically paid for by Buyer will be held by Seller exclusively for the manufacture of Buyer's Goods for not more than 2 years after the date of Buyer's last order requiring their use. Seller will exercise reasonable care in handling and storing any tooling, patterns or dies specifically paid for by Buyer, but Seller shall not be liable for damage or loss thereof.

18. PATENTS. SELLER MAKES NO REPRESENTATION OR WARRANTY WITH RESPECT TO THE PATENTABILITY OF THE GOODS OR THAT ANY OF THE GOODS WILL BE FREE FROM CLAIMS OF INFRINGEMENT.

Buyer agrees to indemnify and defend Seller in any such suit, action or proceeding for any claim resulting from actual or alleged infringement of any domestic or foreign letters patent for (i) any feature, construction or design incorporated at Buyer's request in any Goods or to adapt such Goods to the particular use of Buyer or Buyer's customers or (ii) any additions, changes or adaptations made by Buyer or Buyer's customers after delivery of the Goods.

19. CONFIDENTIAL INFORMATION.

All drawings, diagrams, specifications, technical data and other materials furnished by Seller and identified by Seller as confidential are and shall remain the exclusive property of Seller and shall be returned to Seller upon request. Buyer agrees to treat such information and material as confidential and not to reproduce or disclose such information or materials without Seller's prior written consent. This paragraph does not apply to any information already known to and readily accessible in the trade or which may become so through no fault of Buyer.

20. CHANGES.

Seller may, at any time, without notice, make changes (whether in design, material, improvements or otherwise) in any catalog Goods, and may discontinue the manufacture of any catalog Goods, all in its sole discretion, without incurring any obligations of any kind as a result thereof, whether for failure to fill an order of Buyer or otherwise.

21. CANCELLATION.

The Buyer may not cancel purchase orders without the prior written consent of Seller. This consent will be conditioned on Buyer's agreement to pay Seller's cancellation charges. Purchase orders for Goods that are substantially complete, as judged by Seller, may not be cancelled and will be shipped and invoiced at the price on the order. For Goods that are not substantially complete, the cancellation charge shall amount to all costs and expenses incurred by Seller and arising out of or in connection with Buyer's order, net of recoverability, but in no event less than 10% of the total invoice price of the equipment or more than the total invoice price.

22. INSTALLATION.

Installation of the Goods shall be by Buyer unless otherwise specifically stated in the Sales Contract.

23. SEVERABILITY.

If any term or provision contained in the Sales Contract is declared or held invalid by a court of competent jurisdiction, such declaration or holding shall not affect the validity of any other term, clause or provision contained herein.

24. GOVERNING LAW AND LIMITATION.

(a) These Terms and Conditions, and the contract of sale between Seller and Buyer, shall be governed by and construed in accordance with the laws of the State of Wisconsin. Seller and Buyer hereby agree that any legal action deemed necessary by either party hereto shall be brought in the Circuit Court in and for Ozaukee County, Wisconsin and hereby consent to the personal jurisdiction of such court in any such action over the parties hereto. The rights and obligations of Seller and Buyer shall not be governed by the provisions of the United Nations Convention on Contracts for the International Sale of Goods.

(b) Attorney's Fees – Buyer agrees to pay all of Seller's costs and expenses of collection and litigation, including but not limited to attorneys' fees and costs.

(c) Applicability - The Terms and Conditions as stated herein are applicable as of the date of this printing and until such time as changed by Seller.

Revised, December, 2007

Warnings and Cautions

Electrical

IMPORTANT INFORMATION
PLEASE READ CAREFULLY

This catalog is not intended to provide operational instructions. Appropriate LEESON Electric instructions provided with the motor and precautions attached to the motor should be read carefully prior to installation, operation and/or maintenance of the equipment. Injury to personnel or motor failure may be caused by improper installation, maintenance or operation.

The following ⚠WARNING and ⚠CAUTION information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your LEESON Electric product:

⚠WARNING

- Disconnect power and lock out driven equipment before working on a motor.
- Always keep hands and clothing away from moving parts.
- The lifting support on the motor is not to be used to lift the entire machine. Only the motor attached directly to the support may be safely lifted by the support.
- Install and ground per local and national codes.
- Discharge all capacitors before servicing a single phase motor.
- Misapplication of a motor in hazardous environments can cause fire or an explosion and result in serious injury. Only the end user, local authority having jurisdiction, and/or insurance underwriter are qualified to identify the appropriate class(es), group(s), division and temperature code LEESON Electric personnel cannot evaluate or recommend what motors may be suitable for use in hazardous environments. If a motor is name plated for hazardous locations, do not operate the motor without all of the grease and drain plugs installed.
- Never attempt to measure the temperature rise of a motor by touch. Temperature rise must be measured by thermometer, resistance, resistance, imbedded detector or thermocouple.
- Motors with automatic reset thermal protectors will automatically restart when the protector temperature drops sufficiently. Do not use motors with automatic reset thermal protectors in applications where automatic restart will be hazardous to personnel or equipment.
- Motors with manual reset thermal protectors may start unexpectedly after the protector trips when the surrounding air is at +20˚ Fahrenheit or lower. If the manual reset protector trips, disconnect motor from its power supply. After the protector cools (five minutes or more), it can be reset and power may be applied to the motor.
- Connect all protective device leads, marked P1, P2, etc., per instructions supplied with the motor.
- Operation of a motor at other than its nameplate rating may result in fire, damage to equipment or serious injury to personnel.
- For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.

⚠CAUTION

- Consult qualified personnel with questions and all electrical repairs must be performed by trained and qualified personnel only.
- For motors nameplated as “belted duty only”, do not operate the motor without belts properly installed.
- Motors and/or driven equipment should not be operated faster than their rated speed.
- For inverter applications, follow the inverter manufacturer’s installation guidelines.
- Make sure the motor is properly secured and aligned before operation.

In the event of the resale of any of the goods, in whatever form, Resellers/Buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

> The manufacturer makes no warranty or representations, express or implied, by operation of law or otherwise, as to the merchantability or fitness for a particular purpose of the goods sold hereunder. Buyer acknowledges that it alone has determined that the goods purchased hereunder will suitably meet the requirements of their intended use. In no event will the manufacturer be liable for consequential, incidental or other damages. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

Resellers/Buyers agree to also include this entire document including the warnings and cautions above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product.

This information should be read together with all other printed information supplied by LEESON Electric.

For more information contact: LEESON Electric, 2100 Washington Street, Grafton, Wisconsin 53024
Phone: 262-377-8810 or Fax: 262-377-3440

LEESON®

Continued On Next Page

IMPORTANT INFORMATION
PLEASE READ CAREFULLY

The following WARNING and CAUTION information is supplied to you for your protection and to provide you with many years of trouble free and safe operation of your LEESON Electric product:

Read ALL instructions prior to operating reducer. Injury to personnel or reducer failure may be caused by improper installation, maintenance or operation.

WARNING

- Written authorization from LEESON Electric is required to operate or use reducers in man lift or people moving devices.
- Check to make certain application does not exceed the allowable load capacities published in the current catalog.
- Buyer shall be solely responsible for determining the adequacy of the product for any and all uses to which Buyer shall apply the product. The application by Buyer shall not be subject to any implied warranty of fitness for a particular purpose.
- For safety, Buyer or User should provide protective guards over all shaft extensions and any moving apparatus mounted thereon. The User is responsible for checking all applicable safety codes in his area and providing suitable guards. Failure to do so may result in bodily injury and/or damage to equipment.
- Hot oil and reducers can cause severe burns. Use extreme care when removing lubrication plugs and vents.
- Make certain that the power supply is disconnected before attempting to service or remove any components. Lock out the power supply and tag it to prevent unexpected application of power.
- Reducers are not to be considered fail safe or self-locking devices. If these features are required, a properly sized, independent holding device should be utilized. Reducers should not be used as a brake.
- Any brakes that are used in conjunction with a reducer must be sized or positioned in such a way so as to not subject the reducer to loads beyond the catalog rating.
- Lifting supports including eyebolts are to be used for vertically lifting the gearbox only and no other associated attachments or motors.
- Use of an oil with an EP additive on units with backstops may prevent proper operation of the backstop. Injury to personnel, damage to the reducer or other equipment may result.
- Overhung loads subject shaft bearings and shafts to stress which may cause premature bearing failure and/or shaft breakage from bending fatigue, if not sized properly.

CAUTION

- Test run unit to verify operation. If the unit tested is a prototype, that unit must be of current production.
- If the speed reducer cannot be located in a clear and dry area with access to adequate cooling air supply, then precautions must be taken to avoid the ingestion of contaminants such as water and the reduction in cooling ability due to exterior contaminants.
- Mounting bolts should be routinely checked to ensure that the unit is firmly anchored for proper operation.

In the event of the resale of any of the goods, in whatever form, Resellers/Buyers will include the following language in a conspicuous place and in a conspicuous manner in a written agreement covering such sale:

> The manufacturer makes no warranties or representations, express or implied, by operation of law or otherwise, as to the merchantability or fitness for a particular purpose of the goods sold hereunder. Buyer acknowledges that it alone has determined that the goods purchased hereunder will suitably meet the requirements of their intended use. In no event will the manufacturer be liable for consequential, incidental or other damages. Even if the repair or replacement remedy shall be deemed to have failed of its essential purpose under Section 2-719 of the Uniform Commercial Code, the manufacturer shall have no liability to Buyer for consequential damages.

Resellers/Buyers agree to also include this entire document including the warnings and cautions above in a conspicuous place and in a conspicuous manner in writing to instruct users on the safe usage of the product.

This information should be read together with all other printed information supplied by LEESON Electric.

INDUSTRY STANDARD POWER TRANSMISSION SOLUTIONS!

ISO9001 certified manufacturing facility

STANDARDIZED TAPER BUSHINGS & SHEAVES FOR ALL YOUR POWER TRANSMISSION NEEDS!

DC Motors
Gearmotors
Ac / DC Controls
Accessories / Kits
Mods / Factory Options
X-Ref / Index
Tech Information
Terms / Warnings
Other Products

LEESON University.
It's everything you need to know.

Subjects Covered:

One Regal Overview

AC Electric Motor Principles

DC Electric Motor Principles

PMAC Electric Motor Principles

Motor Applications

Power Transmission

Gear Reducer Principles

LEESON.com review

Manufacturing Plant Workshop

Contact your local LEESON Sales office for more information

District Sales Offices and Warehouses

LEESON District Sales Offices & Warehouses can provide complete information including price and availability on both standard stock and special motors.

United States

☐ **ARKANSAS, Little Rock**
District Mgr.,
Kevin Springstead
972/245-2017
Fax: 972/245-2328

■ **CALIFORNIA, Los Angeles**
Co-District Mgrs.,
Felix Wilson,
Oswald Aguirre
323/278-7979
Fax: 323/278-7955

■ **CALIFORNIA, San Francisco**
District Mgr.,
Dave Richardson
925/371-8125
Fax: 925/371-5673

■ **COLORADO, Denver**
District Mgr.,
Kevin Springstead
800/444-7609
Fax: 972/245-2328

■ **CONNECTICUT, Hartford / Metro Boston, MA**
District Mgr.,
Dave Manning
888/479-7875
Fax: 508/987-1173

■ **FLORIDA, Tampa**
District Mgr.,
Bill Taylor
813/740-2571
Fax: 813/663-9104

■ **GEORGIA, Atlanta**
District Mgr.,
Walter Brooks
770/933-0453
Fax: 770/933-0549

■ **ILLINOIS, Chicago**
Co District Mgrs.,
Mike Miller,
Robert Sheppard
630/458-9511
Fax: 630/458-1923

■ **INDIANA, Indianapolis**
District Mgr.,
Matt Simko
800/331-2911
Fax: 440/975-3575

■ **IOWA, Des Moines**
District Mgr.,
John Marshalla
952/935-8271
Fax: 952/935-8399

■ **KANSAS, Kansas City**
District Mgr.,
Pat Donnelly
913/599-6983
Fax: 913/599-6987

○ **MARYLAND/Baltimore**
District Mgr., Craig Brisbane
570/325-3684
Fax: 570/325-3870

■ **MICHIGAN, Grand Rapids**
District Mgr.,
Greg Norris
616/249-8430
Fax: 616/249-8628

■ **MINNESOTA, Minneapolis**
District Mgr., John Marshalla
952/935-8273
Fax: 952/935-8399

■ **MISSOURI, St. Louis**
District Managers
Pat and Ken Anvender
314/714-1460
Fax: 314/714-1461

☐ **NEW JERSEY/METRO NEW YORK/LONG ISLAND**
(Plainfield, NJ 18229)
Contact: Dave Beck
570/325-3684
Fax: 570/325-3870

■ **NEW YORK, Syracuse**
District Mgr.,
Chris Brisbane
866/505-8796
Fax: 570/325-3870

■ **NORTH CAROLINA, Charlotte**
District Mgrs.,
Steve McAbee
and Doug Landgraf
803/396-8200
Fax: 803/396-8208

■ **OHIO, Cincinnati**
District Mgr., Ken Simko
513/755-1000
Fax: 513/755-1081

■ **OHIO, Cleveland**
District Mgr., Matt Simko
440/951-5117
Fax: 440/975-3575
800/331-2911 (W.PA, WV)

■ **PENNSYLVANIA, Allentown/ Philadelphia**
District Mgr.,
Craig Brisbane
570/325-3684
Fax: 570/325-3870

■ **TEXAS, Dallas**
District Mgr., Homer Rodden,
Kevin Springstead
972/245-2017
Fax: 972/245-2328

○ **TEXAS, Houston**
Contact,
Donnie Heckler
713/952-5337
Fax: 972/245-2328

■ **UTAH, Salt Lake City**
District Mgr.,
Kevin Springstead
800/444-7609
Fax: 972/245-2328

■ **WASHINGTON, Seattle**
District Mgr.,
Amorette Gent
425/775-3504
Fax: 425/775-6706

■ **WISCONSIN, Milwaukee**
Co-District Mgrs.,
Brian Birtic and Mark Ziegler
414/475-9222
Fax: 414/475-9267

International

○ International Sales Administrator,
Sue Kastner
WISCONSIN, Grafton
(+1) 262/377-8810
Fax: (+1) 262/377-3440

○ **ASIA**
Mr. William Chua
12 Tuas Loop
Singapore 637346
(+65) 6863-3473
Fax: (+65) 6863-3476

■ **CENTRAL AMERICA, SOUTH AMERICA & CARIBBEAN FLORIDA, Miami**
(+1) 305/220-4423
Fax: (+1) 305/220-5945

○ **EUROPE**
Mr. Ole Bakker
Mors 1-5, Eibergen
Netherlands 7151MX
Mobile: (+31) 6-13-12-15-92
(+31) 545-46-46040
Fax: (+31) 545-47-50-65
ole.bakker@regalbeloit.com

○ **MIDDLE EAST**
Mr. P. Mathivanan
PO Box No 1085, PC: 114
Muscat OMAN
(+968) 92192416
Fax: (+968) 24789519

○ **UNITED KINGDOM**
Ms. Magda Bartosova
Rotor UK Ltd
16 Everitt Close
Denington Industrial Estate
Wellingborough UK NN8 2QF
(+44) 1933-230900
Fax: (+44) 1933-272152

Regal Beloit Canada

■ **ALBERTA, Edmonton**
Branch Mgr.,
Mike Strenkowski
780/437-3380
Fax: 780/434-3448

■ **BRITISH COLUMBIA, Vancouver**
Branch Mgr.,
Keary Bott
9087A - 198 Street
888-599-1177
Fax: 604-888-0337

■ **MANITOBA, Winnipeg**
Branch Mgr.,
Charlie Vogel
204/786-6802
Fax: 204/786-6934

● **NEW BRUNSWICK, Moncton**
Branch Mgr.,
Ken Sheehan
506/383-8883
Fax: 506/383-8887

■ **ONTARIO, Toronto**
National Sales Mgr.,
Michael Tough
905/670-4770
Fax: 905/670-8971

■ **ONTARIO, Hanover**
Branch Mgr.,
Doug Stafford
800/463-1797
Fax: 800/225-9007

■ **QUEBEC, Candiac**
Branch Mgr.,
Michael Jenkins
275 Liberte
514/337-8020
Fax: 514/337-0773

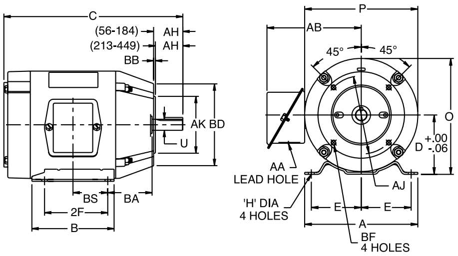
■ SALES OFFICE AND WAREHOUSE ○ SALES OFFICE ONLY ☐ WAREHOUSE ONLY

Footnotes

S	Steel frame
A	Aluminum frame
C	Cast Iron frame
US	Made in the USA
MX	Made in Mexico
CA	Made in Canada
CN	Made in China
2	These combination 56H base motors have mounting holes for 56 and 143-5T, and 1/2 diameter shaft with flat 1.5” long
3	Combination 56 H base has mounting holes for NEMA 56 and 143-5T and a standard NEMA 145T frame shaft of 7/8” Dia.
4	These motors have a NEMA 215T base mounting pattern and shaft height of 5.25”, with usable length of 3 3/8 and diameter of 1 1/8 with standard key
5	Combination 56 H base has mounting holes for NEMA 56, and has a standard NEMA 145T frame shaft of 7/8”” Dia.
6	Combination 56H base has mounting holes for NEMA 56 and NEMA 143-5T and a standard NEMA 56 shaft of 5/8”
7	48YZ motors have std. 48-frame base with 1/2” dia. X 1 7/8 long shaft ext. with flat. Also includes sleeve to convert shaft to 5/8” dia. With 3/16” square key”
8	NEMA 145TC shaft, 7/8” X 2 1/4” and NEMA 56 removable base
9	S56CZ motors have mounting bases with NEMA 56 mounting holes, NEMA 56/143-5T C-face and a NEMA 143-5T shaft extension (7/8”” dia x 2 1/4” long)
10	Motor has mounting base with 182T mounting holes, shaft height is 4.5”. Shaft is std. NEMA 56-5/8” dia. X 1 7/8 long
11	TEBC totally enclosed blower cooled
12	TENV totally enclosed non-vented
13	TEFC totally enclosed fan cooled
14	F1 mounting only
15	Built-in conduit box located at 12:00
16	1/2” diameter shaft - 2 1/4” long
17	5/8” diameter shaft - 2 5/8” long
18	Shaft extension has keyway and flat 180º apart for ease of mounting
19	Shaft is 5/8” Dia.by 2.0” long
20	Shaft is 5/8” Dia.by 2 5/8” long
21	Shaft is 3/4” Dia.by 3 1/2” long
22	Standard 5/8” diameter shaft with keyway plus 3/4” deep hole drilled and tapped to 1/4-20 UNC in end of shaft to facilitate mounting of some fan blades
23	Standard 7/8” diameter shaft with keyway plus 3/4” deep hole drilled and tapped to 1/4-20 UNC in end of shaft to facilitate mounting of some fan blades
24	Motor’s shaft is 1 inch longer than standard
25	Shaft extension has keyway and flat 180º apart for ease of mounting. Useable shaft is 1 1/2” long by 1/2 Dia., 1/8” keyway
26	Shaft is 1/2”” Dia. X 1 1/2”” long with flat
27	Shaft is 5/8” Dia. X 1.97” ling with 3/16” keyway
28	1/4” long extended through-bolts
29	IEC Frame - See IEC dimension chart in back of catalog for dimension information
30	CW rotation only, from lead end of motor
31	For motors having a ”P” suffix letter in the date code
32	Motor has terminal board connection
33	Automatic overload - cannot use with VFD
34	1” long extended through-bolts
35	Terminal studs at 12:00
36	Special BA dimension 2.31 for belt guard clearance
37	Uses drip cover kit 175305.00
38	Uses drip cover kit 175004.00
39	Uses drip cover kit 175932.00
40	Uses drip cover kit 175933.00
41	Uses drip cover kit 175846.00
42	Uses drip cover kit 175849.00
43	Uses drip cover kit 175962.00
44	Uses drip cover kit 175963.00
45	Uses drip cover kit 175614.00
46	50 Hz operation at rated HP
47	Rated at 50Hz at full rated HP
48	190/380V, 50Hz at next lowest HP @1.15 S.F.
49	Class F insulated
50	Suitable for single speed operation only
51	Mechanical centrifugal starting switch with overspeed protection, others have electronic start switch
52	Extra high starting torque
53	Capacitor start/capcitor run design for reduced amperage, others are capacitor start/induction run
54	Split phase start, capacitor run is suitable for belt drive within the airflow of the fan
55	Split phase start, capacitor run
56	Designed for inverter duty operation
57	Rated for farm duty service
58	Provision for belly band mount, no base
59	Resilient base with provision for belly band mount
60	Rigid base
61	Nema 145TC face mounting with removable NEMA 182T rigid base
62	Provision for belly band and pedestal fan mounting, no rigid base
63	Resilient base

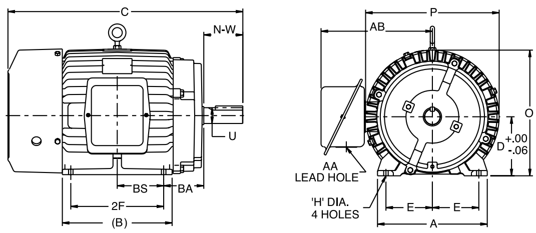
NEMA Quick Reference Dimensional Chart

Typical C-Face Motor



NEMA C-Face	BA Dimensions
143-5TC	2-3/4
182-4TC	3-1/2
213-5TC	4-1/4
254-6TC	4-3/4

Typical Rigid Base Motor



Contact your LEESON sales representative for "AB", "O", & "P" Dimensions.

Refer to your LEESON catalog for "C" Dimensions.

Frame	D	E	2F	H	U	N-W	AA	AH	AJ	AK	BA	BBk (MIN)	BD (MAX)	BF
48	3.00	2.12	2.75	.34 SLOT	.5000	1.50	1/2	1.69	3.750	3.000	2.50	.13	5.62	1/4-20
56	3.50	2.44	3.00	.34 SLOT	.6250	1.88	1/2	2.06	5.875	4.500	2.75	.13	6.50	3/8-16
56H	3.50	2.44	5.00	.34 SLOT	.6250	1.88	1/2	2.06	5.875	4.500	2.75	.13	6.50	3/8-16
143T	3.50	2.75	4.00	.34	.8750	2.25	3/4	2.12	5.875	4.500	2.25	.13	6.50	3/8-16
145T	3.50	2.75	5.00	.34	.8750	2.25	3/4	2.12	5.875	4.500	2.25	.13	6.50	3/8-16
182	4.50	3.75	4.50	.41	.8750	2.25	3/4	2.12	5.875	4.500	2.75	.13	6.50	3/8-16
184	4.50	3.75	5.50	.41	.8750	2.25	3/4	2.12	5.875	4.500	2.75	.13	6.50	3/8-16
182T	4.50	3.75	4.50	.41	1.125	2.75	3/4	2.62	7.250	8.500	2.75	.25	9.00	1/2-13
184T	4.50	3.75	5.50	.41	1.125	2.75	3/4	2.62	7.250	8.500	2.75	.25	9.00	1/2-13
213	5.25	4.25	5.50	.41	1.125	3.00	1	2.75	7.250	8.500	3.50	.25	9.00	1/2-13
215	5.25	4.25	7.00	.41	1.125	3.00	1	2.75	7.250	8.500	3.50	.25	9.00	1/2-13
213T	5.25	4.25	5.50	.41	1.375	3.38	1	3.12	7.250	8.500	3.50	.25	9.00	1/2-13
215T	5.25	4.25	7.00	.41	1.375	3.38	1	3.12	7.250	8.500	3.50	.25	9.00	1/2-13
254U	6.25	5.00	8.25	.53	1.375	3.75	1-1/4	3.50	7.250	8.500	4.25	.25	10.00	1/2-13
256U	6.25	5.00	10.00	.53	1.375	3.75	1-1/4	3.50	7.250	8.500	4.25	.25	10.00	1/2-13
254T	6.25	5.00	8.25	.53	1.625	4.00	1-1/4	3.75	7.250	8.500	4.25	.25	10.00	1/2-13
256T	6.25	5.00	10.00	.53	1.625	4.00	1-1/4	3.75	7.250	8.500	4.25	.25	10.00	1/2-13
284U	7.00	5.50	9.50	.53	1.625	4.88	1-1/2	4.62	9.000	10.500	4.75	.25	11.25	1/2-13
286U	7.00	5.50	11.00	.53	1.625	4.88	1-1/2	4.62	9.000	10.500	4.75	.25	11.25	1/2-13
284T	7.00	5.50	9.50	.53	1.875	4.62	1-1/2	4.38	9.000	10.500	4.75	.25	11.25	1/2-13
286T	7.00	5.50	11.00	.53	1.875	4.62	1-1/2	4.38	9.000	10.500	4.75	.25	11.25	1/2-13
284TS	7.00	5.50	9.50	.53	1.625	3.25	1-1/2	3.00	9.000	10.500	4.75	.25	11.25	1/2-13
286TS	7.00	5.50	11.00	.53	1.625	3.25	1-1/2	3.00	9.000	10.500	4.75	.25	11.25	1/2-13
324U	8.00	6.25	10.50	.66	1.875	5.62	2	5.38	11.000	12.500	5.25	.25	14.00	5/8-11
326U	8.00	6.25	12.00	.66	1.875	5.62	2	5.38	11.000	12.500	5.25	.25	14.00	5/8-11
324T	8.00	6.25	10.50	.66	2.125	5.25	2	5.00	11.000	12.500	5.25	.25	14.00	5/8-11
326T	8.00	6.25	12.00	.66	2.125	5.25	2	5.00	11.000	12.500	5.25	.25	14.00	5/8-11
324TS	8.00	6.25	10.50	.66	1.875	3.75	2	3.50	11.000	12.500	5.25	.25	14.00	5/8-11
326TS	8.00	6.25	12.00	.66	1.875	3.75	2	3.50	11.000	12.500	5.25	.25	14.00	5/8-11
364U	9.00	7.00	11.25	.66	2.125	6.38	2-1/2	6.12	11.000	12.500	5.88	.25	14.00	5/8-11
365U	9.00	7.00	12.25	.66	2.125	6.38	2-1/2	6.12	11.000	12.500	5.88	.25	14.00	5/8-11
364T	9.00	7.00	11.25	.66	2.375	5.88	2-1/2	5.62	11.000	12.500	5.88	.25	14.00	5/8-11
365T	9.00	7.00	12.25	.66	2.375	5.88	2-1/2	5.62	11.000	12.500	5.88	.25	14.00	5/8-11
364TS	9.00	7.00	11.25	.66	1.875	3.75	2-1/2	3.50	11.000	12.500	5.88	.25	14.00	5/8-11
365TS	9.00	7.00	12.25	.66	1.875	3.75	2-1/2	3.50	11.000	12.500	5.88	.25	14.00	5/8-11
404U	10.00	8.00	12.25	.81	2.375	7.12	3	6.88	11.000	12.500	6.62	.25	15.50	5/8-11
405U	10.00	8.00	13.75	.81	2.375	7.12	3	6.88	11.000	12.500	6.62	.25	15.50	5/8-11
404T	10.00	8.00	12.25	.81	2.875	7.25	3	7.00	11.000	12.500	6.62	.25	15.50	5/8-11
405T	10.00	8.00	13.75	.81	2.875	7.25	3	7.00	11.000	12.500	6.62	.25	15.50	5/8-11
404TS	10.00	8.00	12.25	.81	2.125	4.25	3	4.00	11.000	12.500	6.62	.25	15.50	5/8-11
405TS	10.00	8.00	13.75	.81	2.125	4.25	3	4.00	11.000	12.500	6.62	.25	15.50	5/8-11
444U	11.00	9.00	14.50	.81	2.875	8.62	3	8.38	14.000	16.000	7.50	.25	18.00	5/8-11
445U	11.00	9.00	16.50	.81	2.875	8.62	3	8.38	14.000	16.000	7.50	.25	18.00	5/8-11
444T	11.00	9.00	14.50	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
445T	11.00	9.00	16.50	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
444TS	11.00	9.00	14.50	.81	2.375	4.75	3	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
445TS	11.00	9.00	16.50	.81	2.375	4.75	3	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
447T	11.00	9.00	20.00	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
449T	11.00	9.00	25.00	.81	3.375	8.50	3	8.25	14.000	16.000	7.50	.25	18.00	5/8-11
447TS	11.00	9.00	20.00	.81	2.375	4.75	4 NPT	4.50	14.000	16.000	7.50	.25	18.00	5/8-11
449TS	11.00	9.00	25.00	.81	2.375	4.75	4 NPT	4.50	14.000	16.000	7.50	.25	18.00	5/8-11

LEESON Electric Corporation
Grafton, Wisconsin 53024-0241
PH: 262-377-8810
FAX: 262-377-9025

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