

**Single and Three Phase, Foot Mounted**

**1/4 thru 300 Hp**

**NEMA 48 thru 449T**

**Applications:** Ideal for use where hazardous fumes or dust may be present.

**Features:** U.L. and CSA approved for Division 1, Class I, Group D; Class I, Group D, Class II Group F & G; Class I, Group C & D, Class II, Group F & G. Corrosion resistant epoxy finish. Shipped with U.L. and CSA approved cast conduit box assembled to each motor. 1.00 Service Factor. EM Super-E® explosion proof motors have NEMA Premium® efficiency and 3 year warranty.



Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)	
<b>Single Phase</b>														
1/4	1800	48	L4003A	②	T3C	553	K	12.85	27	55	115/208-230	2.5		
		56	L5000A	②	T3C	528	K	13.22	30	62	115/208-230	2.1		
		56	L5000A-C	⑤	T3C	657	K	13.22	29	62	115/208-230	2.1		
1/3	3600	48	L4005A	②	T3C	490	K	12.85	28	55	115/230	3		
	1800	48	L4006A	②	T3C	713	K	12.85	29	60	115/208-230	3		
		56	L5001A	②	T3C	679	K	13.22	29	60	115/208-230	3		
1/2	1200	56	L5002A	②	T4	961	K	14.30	42	54	115/230	3.4		
	3600	56	L5003A	②	T3C	644	K	13.22	30	57	115/230	3.7		
		1800	48	L4009A	②	T3C	784	K	13.85	36	64	115/208-230	3.7	
56			L5004A	②	T3C	748	K	14.22	35	64	115/208-230	3.7		
3/4	1800	56	L5004A-C	⑤	T3C	877	K	14.22	36	64	115/208-230	3.7		
		56	L5005A	②	T4	1,107	K	15.17	51	59	115/230	4		
		56	L5006A	②	T4	726	K	14.30	41	62	115/230	4.9		
1	1800	56	L5007A	②	T4	879	K	15.17	48	66	115/230	5.3		
		56	L5007A-C	⑤	T4	1,008	K	15.17	48	66	115/230	5.3		
		56	L5022	①	T2C	1,280	K	16.04	59	59.5	115/208-230	5.7		
1 1/2	3600	56	L5009A	②	T4	784	K	15.17	49	66	115/230	6		
		1800	56	L5023A	②	T2C	1,001	K	15.17	48	67	115/230	6.5	
			143T	L5023T	①	T2C	980	L1	15.23	49	67	115/208-230	6.4	
2	3600	184	L5026	②	T3C	2,193	L1	16.92	82	67	115/208-230	7		
		1800	143T	L5030T	②	T3C	1,136	L1	15.23	53	70	115/208-230	7.5	
			184	L5013	②	T3C	2,036	L1	16.92	75	70	115/230	9.5	
3	3600	145T	L5031T	②	T3C	1,404	L1	16.11	60	74	115/208-230	11.5		
		1800	182T	L5027T	①	T2C	2,063	L1	17.42	84	75	115/230	11	
			184T	L5028T	①	T2C	2,144	L1	17.42	84	76	115/230	14.5	
5	1800	215	L5018	②	T3C	3,257	L1	19.49	152	79	115/230	15		
		1800	215	L5020	①	T2C	4,143	L1	19.90	166	84	230	21	
			143T	L5031TA	②	T4	1,112	L1	15.23	47	77	208-230/460	1.4	
<b>Three Phase</b>														
1/3	1800	48	M6002A	②	T3C	575	K	12.85	26	63	208-230/460	0.7		
	1800	56	M7002A	②	T3C	691	K	13.22	28	67	208-230/460	0.8		
		1200	56	M7003A	②	T4	992	K	14.36	37	70	208-230/460	0.8	
1/2	3600	56	M7005A	②	T3C	792	K	13.22	27	68	208-230/460	1.1		
	1800	48	M6007A	②	T3C	719	K	12.85	29	74	208-230/460	1		
		56	M7006A	②	T3C	719	K	13.22	30	74	208-230/460	1		
3/4	1200	56	M7007A	②	T4	1,047	K	14.36	40	70	208-230/460	1.2		
		3600	56	M7009A	②	T3C	825	K	13.22	29	75	208-230/460	1.3	
			1800	56	M7010A	②	T3C	828	K	14.22	34	73	208-230/460	1.5
1	1800	56	M7031A	②	T4	1,112	K	15.23	47	77	208-230/460	1.4		
		1800	143T	M7031TA	②	T4	1,112	L1	15.23	47	77	208-230/460	1.4	
			143T	M7031TA	②	T4	1,112	L1	15.23	47	77	208-230/460	1.4	

(a) See notes on inside back flap.

① = Class I, Group D; ② = Class I, Group D, Class II, Group F & G; ⑤ = Class I, Group C & D, Class II, Group F & G

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 72-75 or outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

Single and Three Phase, Foot Mounted

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1	3600	56	M7013	②	T3C	869	K	13.22	31	75.5	208-230/460	1.8	
		56	M7014	②	T3C	907	K	14.30	37	75.5	208-230/460	1.8	19
	1800	143T	EM7014T	②	T3C	1,266	L1	14.36	45	85.5	230/460	1.5	19, 30
		143T	EM7114T	②	T3C	1,742	L1	16.28	80	85.5	230/460	1.5	19, 30
		143T	EM7114T-C	⑤	T4	1,444	L1	16.28	80	85.5	230/460	1.5	19, 30
		182	M7015	②	T3C	1,307	L1	15.23	45	82.5	230/460	1.6	19
1200	56	M7032	①	T2C	1,112	K	14.30	44	78.5	230/460	1.9		
	145T	EM7032T	②	T3C	1,416	L1	15.23	52	82.5	230/460	1.8	19, 30	
1 1/2	3600	143T	EM7018T	②	T3C	1,158	L1	14.36	43	84	230/460	1.9	19
		56	M7034	②	T3C	987	K	14.30	44	81.5	208-230/460	2.3	19
	1800	145T	EM7034T	②	T3C	1,311	L1	15.23	50	86.5	230/460	2.2	19, 30
		145T	EM7134T	②	T3C	1,765	L1	16.28	84	86.5	208-230/460	2.3	
		145T	EM7134T-C	⑤	T4	1,478	L1	16.28	62	86.5	208-230/460	2.3	
		184	M7019	②	T3C	1,656	L1	15.23	55	84	230/460	2.4	19
	1200	182T	EM7020T	②	T3C	1,949	L1	17.42	88	87.5	230/460	2.6	19, 30
		182T	EM7120T	②	T3C	2,167	L1	17.56	134	87.5	230/460	2.2	19
2	3600	145T	EM7071T	②	T3C	1,186	L1	15.23	52	85.5	230/460	2.4	19, 30
		56	M7037	②	T3C	1,104	K	15.17	47	82.5	208-230/460	3	
	1800	145T	EM7037T	②	T3C	1,431	L1	16.10	58	86.5	230/460	2.9	19, 30
		145T	EM7137T	②	T3C	1,858	L1	16.28	81	86.5	230/460	2.9	19
		145T	EM7137T-C	⑤	T3C	1,519	L1	16.28	60	86.5	208-230/460	2.9	
		184	M7023	②	T3C	1,696	L1	15.23	55	84	230/460	3.1	19
1200	184T	EM7041T	②	T3C	2,008	L1	18.92	97	88.5	230/460	3.5	19	
3	3600	145T	EM7075T	①	T3C	1,404	L1	16.10	59	86.5	230/460	3.6	30
		182T	EM7026T	②	T3C	1,484	L1	16.05	69	86.5	230/460	3.7	19, 30
		182T	EM7126T	②	T3C	1,995	L1	17.56	126	86.5	230/460	3.8	19
		184	M7026	②	T3C	1,450	L1	15.55	74	85.5	230/460	3.7	19, 30
	1800	182T	EM7042T	②	T3C	1,520	L1	17.42	108	89.5	230/460	4.2	19, 30
		182T	EM7142T	②	T3C	1,856	L1	17.56	130	89.5	230/460	4.1	19, 30
		182T	EM7142T-C	⑤	T4	1,643	L1	17.56	137	89.5	230/460	4.1	19, 30
		213	M7027	②	T3C	1,937	L1	18.06	169	87.5	230/460	4.1	19, 30
1200	213T	EM7036T	②	T3C	2,188	L1	20.32	170	89.5	230/460	4.6	19, 30	
5	3600	184T	EM7072T	②	T3C	1,745	L1	18.12	93	88.5	230/460	5.9	19, 30
		184T	EM7172T	②	T3C	2,339	L1	17.56	130	88.5	230/460	6.3	19, 30
	1800	184T	EM7044T	②	T3C	1,883	L1	18.12	101	89.5	230/460	6.7	19, 30
		184T	EM7144T	②	T3C	2,326	L1	17.56	152	89.5	230/460	6	19, 30
		184T	EM7144T-C	⑤	T4	1,981	L1	17.56	146	89.5	230/460	6	19, 30
		215	M7030	②	T3C	2,508	L1	18.06	193	87.5	230/460	6.6	19, 30
1200	215T	EM7040T	②	T3C	2,868	L1	22.32	170	89.5	230/460	7.3	19, 30	
7 1/2	3600	184T	EM7073T	①	T2C	2,289	L1	18.92	105	89.5	230/460	8.4	30
		213T	EM7045T	②	T3C	2,407	L1	19.57	166	89.5	230/460	8.6	19
		213T	EM7145T	②	T3C	2,698	L1	19.90	154	90.2	230/460	8.6	19
	1800	213T	EM7047T	②	T3C	2,500	L1	20.32	161	91.7	230/460	9.4	19, 30
		213T	EM7147T	②	T3C	2,756	L1	19.90	225	91.7	230/460	9.5	19
		213T	EM7147T-C	⑤	T4	2,477	L1	19.91	225	91.7	230/460	9.5	19
1200	254T	EM7048T	②	T3C	3,396	L1	25.50	393	91	230/460	10.7	19, 30	
10	3600	215T	EM7074T	①	T2C	2,713	L1	19.32	175	90.2	230/460	11.8	
		215T	EM7174T	②	T3C	2,831	L1	19.90	235	90.2	230/460	11.8	
	1800	215T	EM7070T	②	T3C	2,793	L1	22.32	189	91.7	230/460	12	19, 30
		215T	EM7170T	②	T3C	3,525	LS	19.90	249	91.7	230/460	12.2	19
		215T	EM7170T-C	⑤	T3C	3,442	L1	19.91	249	91.7	230/460	12.2	19
1200	256T	EM7065T	②	T3C	4,083	L1	25.50	403	91	230/460	14.6	19, 30	
15	3600	254T	EM7053T	②	T3C	3,201	L1	25.50	341	91	230/460	17.5	19, 20
		254T	EM7054T	②	T3C	3,751	L1	25.50	370	92.4	230/460	18	19, 30
	1800	254T	EM7054T-C	⑤	T4	3,843	L1	25.50	370	92.4	230/460	18	19, 30
		284T	EM7057T	②	T3C	6,581	L1	28.61	430	91.7	230/460	20	19

(a) See notes on inside back flap. ■ Cast Iron Frame

① = Class I, Group D; ② = Class I, Group D, Class II, Group F & G; ⑤ = Class I, Group C & D, Class II, Group F & G

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 72-75 or outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**Single and Three Phase, Foot Mounted**

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
20	3600	256T	EM7059T	②	T3C	4,105	L1	25.50	359	91	230/460	23	19, 20
	1800	256T	EM7056T	②	T3C	4,860	L1	25.50	393	93	230/460	24	19, 30
		256T	EM7056T-C	⑤	T4	4,962	L1	25.50	393	93	230/460	24	19, 30
	1200	286T	EM7079T	②	T3C	6,757	L1	28.61	494	91.7	230/460	25	19, 30
25	3600	284TS	EM7063T	②	T3C	5,463	L1	27.24	507	91.7	230/460	28.5	19, 20
	1800	284T	EM7058T	②	T3C	5,896	L1	28.61	479	93.6	230/460	30.5	19, 30
		284T	EM7058T-C	⑤	T4	6,011	L1	28.61	494	93.6	230/460	30.5	19, 30
	1200	324T	EM7082T	②	T3C	8,449	L1	32.00	741	93	230/460	32	19, 30
30	3600	286TS	EM7083T	②	T3C	6,421	L1	27.24	436	91.7	230/460	33	19, 20
	1800	286T	EM7060T	②	T3C	7,188	L1	28.61	554	93.6	230/460	36	19, 20, 30
		286T	EM7060T-C	⑤	T4	7,307	L1	28.61	508	93.6	230/460	37	19, 30
	1200	326T	EM7080T	②	T3C	9,321	L1	32.00	766	93	230/460	39	19, 30
40	3600	324TS	EM7067T	②	T3C	8,565	L1	30.50	630	92.4	230/460	43	19
	1800	324T	EM7062T	②	T3C	9,633	L1	32.00	713	94.1	230/460	48	19
		324T	EM7062T-C	⑤	T4	9,763	L1	32.12	700	94.1	230/460	48	19
	1200	364T	EM7084T	②	T3C	10,803	L1	33.44	915	94.1	230/460	47.2	19, 20, 30
50	3600	326TS	EM7081T	②	T3C	10,967	L1	30.50	745	93	230/460	56	19, 20, 30
	1800	326T	EM7064T	②	T3C	12,818	LS	32.00	764	94.5	230/460	57	19, 30
		326T	EM7064T-C	⑤	T4	11,336	L1	32.12	764	94.5	230/460	57	19, 30
	1200	365T	EM7085T	②	T4	12,193	L1	33.44	918	94.1	230/460	60.1	19, 20, 30
60	1800	364T	EM7066T	②	T4	14,339	LS	33.44	972	95	230/460	68	19, 20
		364T	EM7066T-C	⑤	T4	12,672	L1	33.44	910	95	230/460	68	19, 20
	1200	404T	EM7086T	②	T4	14,548	L1	38.31	1375	94.5	230/460	67.3	19, 20, 30
	75	1800	365T	EM7068T	⑤	T4	15,134	L1	33.44	1156	95.4	230/460	84.1
1200		405T	EM7087T	②	T4	16,276	L1	38.31	1428	94.5	230/460	84.2	19, 20, 30
100	1800	405T	EM7090T	⑤	T4	17,576	L1	38.31	1335	95.4	230/460	112	19, 20, 30
125	1800	444T	EM74124T-4	⑤	T4	20,539	L1	44.62	1900	95.4	460	139	19, 20
150	1800	447T	EM74154T-4	⑤	T4	22,954	L1	47.83	2455	95.8	460	164	19, 20
200	1800	449T	EM74204T-4	⑤	T4	32,808	L1	52.83	2993	96.2	460	216	19, 20
250	1800	447T	M74254T-4	⑤	T4	35,752	L1	47.83	2553	95	380	281	19, 20
300	1800	449T	M74304T-4	⑤	T4	53,219	L1	52.83	3057	95.4	380	331	19, 20

<sup>a)</sup> See notes on inside back flap.

② = Class I, Group D, Class II, Group F & G; ⑤ = Class I, Group C & D, Class II, Group F & G

■ Cast Iron Frame

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 72-75 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

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Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

Single and Three Phase, C-Face

1/3 thru 50 Hp

NEMA 56C thru 326TC



**Applications:** Ideal for use on pumps, blowers and valves installed where hazardous fumes or dust may be present.

**Features:** Corrosion resistant epoxy finish. Positively locked drive end bearing. U.L. approved cast conduit box-standard. 1.00 S.F. U.L. and CSA approved for Division 1, Class I, Group D; Class I, Group D, Class II, Group F & G. CEM Super-E® explosion proof motors have NEMA Premium® efficiency and 3 year warranty. No drip cover.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single Phase, C-Face, Foot Mounted</b>													
1/3	1800	56C	CL5001A	②	T3C	827	K	13.22	30	60	115/208-230	3	
1/2	3600	56C	CL5003A	②	T3C	726	K	13.22	31	57	115/230	3.7	
	1800	56C	CL5004A	②	T3C	828	K	14.22	37	64	115/208-230	3.7	
3/4	1800	56C	CL5007A	②	T4	924	K	15.17	48	66	115/230	5.3	
1	3600	56C	CL5009A	②	T4	824	K	15.17	50	66	115/230	6	
	1800	56C	CL5023A	②	T2C	1,049	K	15.17	48	67	115/230	6.5	
1 1/2	3600	143TC	CL5030T	②	T3C	1,291	L1	15.23	54	70	115/208-230	7.5	
	1800	184C	CL5013	②	T3C	2,095	L1	16.93	84	70	115/230	9.5	
2	3600	143TC	CL5031T	②	T3C	1,476	L1	16.10	61	74	115/208-230	11.5	
	1800	182TC	CL5027T	①	T2C	2,162	L1	18.86	99	75	115/230	11	
3	3600	184TC	CL5028T	①	T2C	2,187	L1	18.86	99	76	115/230	14.5	
	1800	215C	CL5018	①	T2C	3,355	L1	19.56	154	79	115/230	15	
5	1800	215C	CL5020	①	T2C	4,271	L1	20.69	170	84	230	21	
<b>Single Phase, C-Face, Footless</b>													
1/4	1800	56C	VL5000A	②	T3C	732	K	13.22	30	62	115/208-230	2.1	
1/3	3600	56C	VL4005A	②	T3C	557	K	13.22	30	57	115/230	3.5	
	1800	56C	VL5001A	②	T3C	748	K	13.22	29	60	115/208-230	3	
	1200	56C	VL5002A	②	T4	1,002	K	14.30	42	54	115/230	3.4	
1/2	3600	56C	VL5003A	②	T3C	721	K	13.22	30	57	115/230	3.7	
	1800	56C	VL5004A	②	T3C	826	K	14.22	36	64	115/208-230	3.7	
	1200	56C	VL5005A	②	T4	1,149	K	15.17	50	59	115/230	4	
3/4	3600	56C	VL5006A	②	T4	771	K	14.30	40	62	115/230	4.9	
	1800	56C	VL5007A	②	T4	920	K	15.17	48	66	115/230	5.3	
1	3600	56C	VL5009A	②	T4	826	K	15.17	49	66	115/230	6	
	1800	56C	VL5023A	①	T2C	1,045	K	15.17	54	67	115/230	6.5	
1 1/2	3600	56C	VL5030	②	T3C	1,189	K	15.17	54	70	115/208-230	7.5	
	1800	56C	VL5024A	①	T2C	1,379	K	17.42	75	75	115/230	8	
2	1800	184C	VL5027	①	T2C	2,194	L1	18.43	90	75	115/208-230	11	
<b>Three Phase, C-Face, Foot Mounted</b>													
1/2	3600	56C	CM7005A	②	T3C	867	K	13.22	28	68	208-230/460	1.1	
	1800	56C	CM7006A	②	T3C	938	K	13.22	31	74	208-230/460	1	
3/4	3600	56C	CM7009A	②	T3C	895	K	13.22	30	75	208-230/460	1.3	
	1800	56C	CM7010A	②	T3C	956	K	14.22	35	73	208-230/460	1.5	
1	3600	56C	CM7013	②	T3C	936	K	13.22	31	75.5	208-230/460	1.8	
	1800	56C	CM7014	②	T3C	1,020	K	14.30	37	75.5	208-230/460	1.8	19
		143TC	CEM7014T	②	T3C	1,342	L1	14.36	45	85.5	230/460	1.5	19, 30
1 1/2	3600	143TC	CEM7018T	②	T3C	1,328	L1	14.36	45	84	230/460	1.9	19
	1800	56C	CM7034	②	T3C	1,087	K	14.30	50	81.5	208-230/460	2.3	19
		145TC	CEM7034T	②	T3C	1,453	L1	15.23	50	86.5	230/460	2.2	19, 30

(a) See notes on inside back flap.

① = Class I, Group D; ② = Class I, Group D, Class II, Group F & G

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 72-75 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**Single and Three Phase, C-Face**

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
2	3600	145TC	<b>CEM7071T</b>	②	T3C	1,325	L1	15.23	53	85.5	230/460	2.4	19, 30
	1800	56C	<b>CM7037</b>	②	T3C	1,177	K	15.17	45	82.5	230/460	3	19, 30
		145TC	<b>CEM7037T</b>	②	T3C	1,539	L1	16.10	57	86.5	230/460	2.9	19, 30
3	3600	145TC	<b>CEM7075T</b>	①	T3C	1,643	L1	16.10	61	86.5	230/460	3.6	30
	1800	182TC	<b>CEM7042T</b>	②	T3C	1,866	L1	18.86	108	89.5	230/460	4.2	19, 30
5	3600	184TC	<b>CEM7072T</b>	②	T3C	2,167	L1	18.86	96	88.5	230/460	5.9	19, 30
	1800	184TC	<b>CEM7044T</b>	②	T3C	2,256	L1	19.55	115	89.5	230/460	6.7	19, 30
7 1/2	3600	184TC	<b>CEM7073T</b>	①	T2C	2,544	L1	20.36	120	89.5	230/460	8.4	30
		213TC	<b>CEM7045T</b>	②	T3C	2,887	L1	20.33	166	89.5	230/460	8.6	19
		213TC	<b>CEM7047T</b>	②	T3C	2,646	L1	21.08	161	91.7	230/460	9.4	19, 30
10	3600	215TC	<b>CEM7174T</b>	②	T3C	3,151	L1	20.65	235	90.2	230/460	11.8	19
	1800	215TC	<b>CEM7170T</b>	②	T3C	3,219	L1	20.65	249	91.7	230/460	12.2	19
15	3600	254TC	<b>CEM7053T</b>	②	T3C	3,419	L1	26.00	341	91	230/460	17.5	19, 20
	1800	254TC	<b>CEM7054T</b>	②	T3C	5,324	L1	26.00	376	92.4	230/460	18	19, 30
20	3600	256TC	<b>CEM7059T</b>	②	T3C	5,458	L1	26.00	359	91	230/460	23	19, 20
	1800	256TC	<b>CEM7056T</b>	②	T3C	6,310	L1	26.00	393	93	230/460	24	19, 30
25	3600	284TSC	<b>CEM7063T</b>	②	T3C	7,197	L1	27.24	445	91.7	230/460	28.5	19, 20
	1800	284TC	<b>CEM7058T</b>	②	T3C	7,727	L1	28.61	536	93.6	230/460	30.5	19, 30
30	1800	286TC	<b>CEM7060T</b>	②	T3C	8,967	L1	28.61	518	93.6	230/460	36	19, 20
40	1800	324TC	<b>CEM7062T</b>	②	T3C	11,961	L1	32.00	713	94.1	230/460	48	19
50	1800	326TC	<b>CEM7064T</b>	②	T3C	13,601	L1	32.00	761	94.5	230/460	57	19, 30
<b>Three Phase, C-Face, Footless</b>													
1/4	1800	56C	<b>VM7001A</b>	②	T3C	871	K	13.22	26	63	208-230/460	0.7	
1/3	1800	56C	<b>VM7002A</b>	②	T3C	890	K	13.22	28	67	208-230/460	0.8	
1/2	3600	56C	<b>VM7005A</b>	②	T3C	861	K	13.22	26	68	208-230/460	1.1	
	1800	56C	<b>VM7006A</b>	②	T3C	936	K	13.22	30	74	208-230/460	1	
	1200	56C	<b>VM7007A</b>	②	T4	1,089	K	14.30	39	70	208-230/460	1.2	
3/4	3600	56C	<b>VM7009A</b>	②	T3C	890	K	13.22	29	75	208-230/460	1.3	
	1800	56C	<b>VM7010A</b>	②	T3C	953	K	14.22	33	73	208-230/460	1.5	
	1200	56C	<b>VM7031A</b>	②	T4	1,144	K	15.17	47	77	208-230/460	1.4	
1	3600	56C	<b>VM7013</b>	②	T3C	927	K	13.22	31	75.5	208-230/460	1.8	
	1800	56C	<b>VM7014</b>	②	T3C	1,001	K	15.22	41	75.5	208-230/460	1.8	
		143TC	<b>VM7014T</b>	②	T3C	1,080	L1	14.33	45	82.5	230/460	1.6	19
		1200	56C	<b>VM7032</b>	①	T2C	1,205	K	14.30	45	78.5	230/460	1.9
1 1/2	3600	143TC	<b>VM7018T</b>	②	T3C	1,138	L1	14.33	47	82.5	230/460	2.1	19, 30
	1800	56C	<b>VM7034</b>	②	T3C	1,078	K	14.30	44	81.5	208-230/460	2.3	19
		145TC	<b>VM7034T</b>	②	T3C	1,164	L1	15.21	55	84	230/460	2.4	19
		1200	145TC	<b>VM7035T</b>	①	T2C	1,331	L1	17.48	73	85.5	208-230/460	2.7
2	3600	145TC	<b>VM7071T</b>	②	T3C	1,273	L1	15.21	55	84	230/460	2.6	19, 30
	1800	56C	<b>VM7037</b>	②	T3C	1,165	K	15.17	47	82.5	230/460	3	19, 30
		145TC	<b>VM7037T</b>	②	T3C	1,259	L1	15.21	48	84	230/460	3.1	19
3	3600	145TC	<b>VM7075T</b>	①	T2C	1,412	L1	16.10	59	85.5	208-230/460	3.7	
		182TC	<b>VM7026T</b>	②	T3C	1,489	L1	17.49	74	85.5	208-230/460	3.7	19
	1800	182TC	<b>VM7042T</b>	②	T3C	1,614	L1	18.86	95	87.5	230/460	4.1	19, 30
5	3600	184TC	<b>VM7072T</b>	②	T3C	1,883	L1	18.06	91	87.5	230/460	5.6	19, 30
	1800	184TC	<b>VM7044T</b>	②	T3C	1,966	L1	18.06	85	87.5	230/460	6.8	19, 30
7 1/2	3600	184TC	<b>VM7073T</b>	①	T2C	2,126	L1	20.36	108	88.5	230/460	8.7	30
		213TC	<b>VM7045T</b>	②	T3C	2,475	L1	19.19	165	88.5	230/460	8.9	19, 30
	1800	213TC	<b>VM7047T</b>	②	T3C	2,275	L1	19.19	157	89.5	230/460	10.1	19
10	1800	215TC	<b>VM7170T</b>	②	T3C	2,760	L1	20.65	173	89.5	230/460	13	19

(a) See notes on inside back flap.

① = Class I, Group D; ② = Class I, Group D, Class II, Group F & G

■ Cast Iron Frame

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. Consider explosion-proof motors on pages 72-75 for outdoor applications. These explosion-proof motors are not suitable for use with adjustable speed drives, inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors



575 Volt,  
Three Phase,  
Explosion Proof

1/2 thru 40 Hp

NEMA 56 thru 324T

Applications: Shakers, blowers, pumps, mixers, etc.



**Features:** All models have torques exceeding NEMA standards, copper windings, rotors that are corrosion treated and precision balanced. 1.00 Service Factor. UL and CSA approved for Division 1, Class I, Group D, Class II, Group, F & G, T3C. EM & VEM Super-E<sup>®</sup> explosion proof motors have NEMA Premium<sup>®</sup> efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted, No Drip Cover</b>													
1/2	1800	56	M7006-5	②	T3C	719	K	14.30	37	74	575	0.9	
3/4	1800	56	M7010-5	②	T3C	828	K	14.30	36	76	575	1.2	
1	3600	56	M7013-5	②	T3C	869	K	13.22	31	75.5	575	1.2	
	1800	56	M7014-5	②	T3C	907	K	14.30	33	75.5	575	1.5	
1 1/2	1800	143T	EM7014T-5	②	T3C	1,449	LS	14.36	43	85.5	575	1.2	
	3600	143T	EM7018T-5	②	T3C	1,158	L1	14.36	44	84	575	1.5	
2	1800	145T	EM7034T-5	②	T3C	1,501	LS	15.23	50	86.5	575	1.8	
	3600	145T	EM7071T-5	②	T3C	1,186	L1	15.23	52	85.5	575	2	
3	1800	145T	EM7037T-5	②	T3C	1,637	LS	16.10	54	86.5	575	2.4	
	3600	182T	EM7042T-5	②	T3C	1,520	L1	17.42	108	89.5	575	3.3	
5	1800	184T	EM7072T-5	②	T3C	1,745	L1	18.12	90	88.5	575	4.7	
	3600	184T	EM7044T-5	②	T3C	1,883	L1	18.12	100	89.5	575	5.3	
7 1/2	1800	213T	EM7047T-5	②	T3C	2,500	L1	20.32	161	91.7	575	7.6	
10	1800	215T	EM7170T-5	②	T3C	3,138	L1	19.90	249	91.7	575	9.8	
15	1800	254T	EM7054T-5	②	T3C	4,291	LS	25.50	344	92.4	575	14.8	
20	1800	256T	EM7056T-5	②	T3C	5,561	LS	25.50	393	93	575	19.2	
25	1800	284T	EM7058T-5	②	T3C	6,745	LS	28.61	494	93.6	575	24.5	
30	1800	286T	EM7060T-5	②	T3C	8,240	L1	28.61	518	93.6	575	29	
40	1800	324T	EM7062T-5	②	T3C	11,021	LS	32.00	710	94.1	575	39	
<b>C-Face, Footless, No Drip Cover</b>													
1/2	1800	56C	VM7006-5	②	T3C	936	K	14.30	37	74	575	0.9	
3/4	1800	56C	VM7010-5	②	T3C	953	K	14.30	37	76	575	1.2	
1	1800	56C	VM7014-5	②	T3C	1,001	K	14.30	39	75.5	575	1.5	
		143TC	VEM7014T-5	②	T3C	1,324	L1	14.33	44	85.5	575	1.2	
1 1/2	1800	143TC	VM7014T-5	②	T3C	1,080	L1	14.33	45	82.5	575	1.2	
		145TC	VEM7034T-5	②	T3C	1,443	L1	15.21	42	86.5	575	1.8	
2	1800	145TC	VM7034T-5	②	T3C	1,164	L1	15.21	55	84	575	1.9	
		145TC	VEM7037T-5	②	T3C	1,529	L1	16.09	55	86.5	575	2.4	
3	1800	145TC	VM7037T-5	②	T3C	1,259	L1	15.21	59	84	575	2.2	
		182TC	VEM7042T-5	②	T3C	1,727	L1	18.86	94	89.5	575	3.3	
5	1800	182TC	VM7042T-5	②	T3C	1,614	L1	18.86	95	87.5	575	3.3	
		184TC	VEM7044T-5	②	T3C	2,040	L1	20.36	109	89.5	575	5.3	
7 1/2	1800	213TC	VM7044T-5	②	T3C	1,966	L1	18.80	112	87.5	575	5.2	
7 1/2	1800	213TC	VM7047T-5	②	T3C	2,275	L1	19.19	157	89.5	575	8.1	

(a) See notes on inside back flap.

② = Class I, Group D, Class II, Group F & G

■ Cast Iron Frame

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. The Explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty Explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**Severe Duty,  
Three Phase,  
1.15 Service Factor**

**3 thru 150 Hp**

**NEMA 182T thru 445T**



**Applications:** Harsh industrial environments requiring protection against corrosion, that contain hazardous gas and vapor, dust fibers, filings or other material that may have explosive properties.

**Features:** 1.15 Service factor, Severe Duty design includes rugged cast iron construction with corrosion resistant epoxy finish. Shaft slingers & inner caps installed on both ends of motor for bearing protection. Includes normally closed thermostats. UL & CSA approved for Division 1, Class I, Group D, Class II, Group E, F & G, T3C temperature code. Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
3	1800	182T	EM7542T-I	③	T3C	1,576	SD	17.59	143	89.5	230/460	4.1	1
	1200	213T	EM7536T-I	③	T3C	2,264	SD	20.02	225	89.5	230/460	4.5	1
5	3600	L184T	EM7572T-I	③	T3C	2,072	SD	17.12	146	88.5	230/460	6	1
	1800	L184T	EM7544T-I	③	T3C	1,952	SD	17.12	161	89.5	230/460	6.6	1
7 1/2	1200	L215T	EM7540T-I	③	T3C	2,969	SD	20.12	225	89.5	230/460	6.8	1
	1800	213T	EM7547T-I	③	T3C	2,407	SD	20.02	225	91.7	230/460	9.5	1
10	1200	254T	EM7548T-I	③	T3C	3,515	SD	25.81	321	91.7	230/460	10.7	1, 30
	3600	215T	EM7574T-I	③	T3C	2,930	SD	19.25	206	91	230/460	11.1	1
15	1800	L215T	EM7670T-I	③	T3C	3,250	SD	20.12	180	91.7	230/460	12.3	1
	1200	256T	EM7565T-I	③	T3C	4,226	SD	24.56	200	91	230/460	12.5	1
20	1800	254T	EM7554T-I	③	T3C	3,897	SD	25.81	344	92.4	230/460	18.5	1, 30
	1200	284T	EM7557T-I	③	T3C	6,722	SD	28.61	455	91.7	230/460	21	1
25	3600	256T	EM7559T-I	③	T3C	4,249	SD	24.56	392	91.7	230/460	22.3	1
	1800	256T	EM7556T-I	③	T3C	4,879	SD	24.56	415	93	230/460	24	1
30	1800	284T	EM7558T-I	③	T3C	6,124	SD	28.61	479	93.6	230/460	30	1, 30
	1800	286T	EM7560T-I	③	T3C	7,480	SD	27.44	490	93.6	230/460	36.1	1
40	1800	324T	EM7562T-I	③	T3C	10,008	SD	32.00	713	94.1	230/460	47	1
	1800	326T	EM7564T-I	③	T3C	11,644	SD	30.44	790	94.5	230/460	58.8	1
50	1200	365T	EM7585T-I	③	T3C	12,619	SD	33.44	1000	94.1	230/460	60.1	1
	1800	364T	EM7566T-I	③	T3C	13,164	SD	33.44	988	95	230/460	67.8	1
75	1800	365T	EM7568T-I	③	T3C	13,703	SD	33.44	1156	95.4	230/460	84.1	1
	1200	405T	EM7587T-I	③	T3C	16,847	SD	38.31	1322	95	230/460	86.9	1
100	1800	405T	EM7590T-I	③	T3C	17,575	SD	38.31	1375	95.4	460	112	1
	1200	444T	EM7599T-I	③	T3C	20,869	SD	44.62	1865	95	460	115	1
125	1800	444T	EM7600T-I	③	T3C	21,217	SD	44.62	1926	95.8	460	139	1
	1800	445T	EM7596T-I	③	T3C	23,711	SD	44.62	2092	96.2	460	165	1

(a) See notes on inside back flap.

③ = Class I, Group D, Class II, Group E, F & G

■ Cast Iron Frame

These motors expel condensation better than standard explosion proof designs. They are recommended for applications where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**Drill Rig Duty,  
Three Phase,  
1.15 Service Factor**

**1 thru 100 Hp**

**NEMA 56C thru 405T**



**Applications:** On and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion-proof motors. Designed with features for use in the petroleum industry. Includes Class I, Group C & D approval for use in areas where hydrogen sulfide is present.

**Features:** Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather/drain to prevent build up of condensation. 40°C ambient, Class F insulation. Corrosion resistant finish with two part epoxy coating. UL and CSA approved for Division 1, Class I, Group C & D. 1.15 service factor. Suitable for 55°C @ 1.0 service factor. Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Foot Mounted</b>													
1	3600	143T	EM7013T-I	④	T3C	1,298	SD	14.12	51	77	230/460	1.4	1, 19
	1800	143T	EM7014T-I	④	T3C	1,277	SD	14.12	52	85.5	230/460	1.5	1, 19, 30
	1200	145T	EM7032T-I	④	T3C	1,416	SD	15.09	62	82.5	230/460	1.8	1, 19, 30
1 1/2	3600	143T	EM7018T-I	④	T3C	1,288	SD	14.12	54	84	230/460	1.9	1, 19
	1800	145T	EM7034T-I	④	T3C	1,323	SD	15.09	61	86.5	230/460	2.2	1, 19, 30
	1200	182T	EM7020T-I	④	T3C	1,949	SD	18.27	111	87.5	230/460	2.6	1, 19, 30
2	3600	145T	EM7071T-I	④	T3C	1,408	SD	15.09	61	85.5	230/460	2.4	1, 19, 30
	1800	145T	EM7037T-I	④	T3C	1,442	SD	15.81	66	86.5	230/460	2.9	1, 19, 30
	1200	184T	EM7041T-I	④	T3C	2,008	SD	19.52	116	88.5	230/460	3.5	1, 19
3	3600	182T	EM7026T-I	④	T3C	1,613	SD	18.27	92	86.5	230/460	3.7	1, 19, 30
	1800	182T	EM7042T-I	④	T3C	1,521	SD	18.27	108	89.5	230/460	4.2	1, 19, 30
	1200	213T	EM7036T-I	④	T3C	2,188	SD	20.32	105	89.5	230/460	4.6	1, 19, 30
5	3600	184T	EM7072T-I	④	T3C	2,003	SD	18.27	109	90.2	230/460	4.2	1, 19
	1800	184T	EM7044T-I	④	T3C	1,886	SD	19.52	119	89.5	230/460	6.5	1, 19, 30
	1200	215T	EM7040T-I	④	T3C	2,868	SD	22.32	170	89.5	230/460	7.3	1, 19, 30
7 1/2	3600	213T	EM7045T-I	④	T3C	2,407	SD	19.57	166	89.5	230/460	8.6	1, 19
	1800	213T	EM7047T-I	④	T3C	2,325	SD	20.32	161	91.7	230/460	9.4	1, 19, 30
	1200	254T	EM7048T-I	④	T3C	3,396	SD	25.50	393	91	230/460	10.7	1, 19, 30
10	3600	215T	EM7174T-I	④	T3C	2,831	SD	20.03	235	90.2	230/460	11.8	1, 19
	1800	215T	EM7170T-I	④	T3C	3,138	SD	20.03	252	92.4	230/460	12.3	1, 19
	1200	256T	EM7065T-I	④	T3C	4,083	SD	25.50	403	91	230/460	15	1, 19, 30
15	3600	254T	EM7053T-I	④	T3C	3,201	SD	25.50	352	91	230/460	17.5	1, 19
	1800	254T	EM7054T-I	④	T3C	3,766	SD	25.50	370	92.4	230/460	18	1, 19, 30
	1200	284T	EM7057T-I	④	T3C	6,581	SD	28.61	455	91.7	230/460	20	1, 19
20	3600	256T	EM7059T-I	④	T3C	4,105	SD	25.50	390	91	230/460	20	1, 19, 30
	1800	256T	EM7056T-I	④	T3C	4,714	SD	25.50	393	93	230/460	24	1, 19, 30
	1200	286T	EM7079T-I	④	T3C	6,757	SD	28.61	420	91.7	230/460	25	1, 19, 30
25	3600	284TS	EM7063T-I	④	T3C	5,463	SD	27.23	445	91.7	230/460	28.5	1, 19
	1800	284T	EM7058T-I	④	T3C	5,918	SD	28.61	494	93.6	230/460	30.5	1, 19, 30
	1200	324T	EM7082T-I	④	T3C	8,449	SD	32.00	762	93	230/460	32	1, 19, 30

(a) See notes on inside back flap.

④ = Class I, Group C & D

■ Cast Iron Frame

These motors expel condensation better than standard explosion proof designs. They are recommended for applications where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors



Drill Rig Duty, Three Phase, 1.15 Service Factor

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
30	3600	286TS	EM7083T-I	④	T3C	6,421	SD	27.23	565	91.7	230/460	33	1, 19
	1800	286T	EM7060T-I	④	T3C	7,216	SD	28.61	579	93.6	230/460	36	1, 19, 30
		286T	EM7060T-I-5	④	T3C	7,216	SD	28.61	518	93.6	575	29	1
	1200	326T	EM7080T-I	④	T3C	9,321	SD	32.00	766	93	230/460	39	1, 19, 30
40	3600	324TS	EM7067T-I	④	T3C	8,565	SD	30.50	684	92.4	230/460	43	1, 19
	1800	324T	EM7062T-I	④	T3C	9,670	SD	32.00	710	94.1	230/460	48	1, 19
		324T	EM7062T-I-5	④	T3C	9,670	SD	32.00	710	94.1	575	39	1
	1200	364T	EM7084T-I	④	T3C	10,803	SD	33.44	886	94.1	230/460	47.2	1, 19, 30
50	3600	326TS	EM7081T-I	④	T3C	10,967	SD	30.50	745	93	230/460	56	1, 19, 30
	1800	326T	EM7064T-I	④	T3C	11,249	SD	32.00	761	94.5	230/460	57	1, 19, 30
		326T	EM7064T-I-5	④	T3C	11,249	SD	32.00	761	94.5	575	45.6	1
	1200	365T	EM7085T-I	④	T3C	12,193	SD	33.44	1026	94.1	230/460	60.1	1, 19, 30
60	3600	364TS	EM7310T-I	④	T3C	11,779	SD	31.31	984	93.6	230/460	67.3	1, 19, 30
	1800	364T	EM7066T-I	④	T3C	12,719	SD	33.44	988	95	230/460	67.8	1, 19, 30
		364T	EM7066T-I-5	④	T3C	12,719	SD	33.44	910	95	575	54.2	1
	1200	404T	EM7086T-I	④	T3C	14,246	SD	38.31	1375	94.5	230/460	67.3	1, 19, 30
75	3600	365TS	EM7313T-I	④	T3C	13,254	SD	31.31	804	93.6	230/460	83.4	1, 19, 30
	1800	365T	EM7068T-I	④	T3C	13,240	SD	33.44	1044	95.4	230/460	84.1	1, 19, 30
		365T	EM7068T-I-5	④	T3C	13,240	SD	33.44	1044	95.4	575	67.2	1
	1200	405T	EM7087T-I	④	T3C	16,276	SD	38.31	1338	94.5	230/460	84.2	1, 19, 30
100	1800	405T	EM7090T-I	④	T3C	16,981	SD	38.31	1375	95.4	230/460	112	1, 19, 30
		405T	EM7090T-I-5	④	T3C	16,981	SD	38.31	1375	95.4	575	89.6	1
<b>C-Face, Foot Mounted</b>													
1/2	1800	56C	CM7006-I	④	T3C	938	SD	13.14	37	80	230/460	0.8	1, 19, 30
3/4	1800	56C	CM7010-I	④	T3C	956	SD	14.31	37	78.5	230/460	1.4	1, 19
1	1800	56C	CM7014-I	④	T3C	1,020	SD	14.31	45	82.5	230/460	1.6	1, 19
1 1/2	1800	145TC	CEM7034T-I	④	T3C	1,563	SD	15.23	61	86.5	230/460	2.2	1, 19, 30
2	1800	145TC	CEM7037T-I	④	T3C	1,657	SD	16.10	67	86.5	230/460	2.9	1, 19, 30
3	1800	182TC	CEM7042T-I	④	T3C	1,866	SD	19.59	114	89.5	230/460	4.2	1, 19, 30
5	1800	184TC	CEM7044T-I	④	T3C	2,256	SD	20.84	130	89.5	230/460	6.5	1, 19, 30
7 1/2	1800	213TC	CEM7047T-I	④	T3C	2,646	SD	21.07	161	91.7	230/460	9.4	1, 19, 30
10	1800	215TC	CEM7170T-I	④	T3C	3,219	SD	20.78	252	92.4	230/460	12.3	1, 19
15	1800	254TC	CEM7054T-I	④	T3C	5,324	SD	26.00	370	92.4	230/460	18	1, 19, 30
20	1800	256TC	CEM7056T-I	④	T3C	6,310	SD	26.00	393	93	230/460	24	1, 19, 30
25	1800	284TC	CEM7058T-I	④	T3C	7,727	SD	28.61	563	93.6	230/460	30.5	1, 19, 30
30	1800	286TC	CEM7060T-I	④	T3C	8,967	SD	28.61	518	93.6	230/460	36	1, 19, 30
40	1800	324TC	CEM7062T-I	④	T3C	11,961	SD	32.00	700	94.1	230/460	48	1, 19
50	1800	326TC	CEM7064T-I	④	T3C	13,601	SD	32.00	761	94.5	230/460	57	1, 19, 30
<b>C-Face, Footless</b>													
1/2	1800	56C	VM7006-I	④	T3C	858	SD	13.14	37	80	230/460	0.8	1, 19, 30
3/4	1800	56C	VM7010-I	④	T3C	953	SD	14.31	49	78.5	230/460	1.4	1, 19
1	1800	56C	VM7014-I	④	T3C	1,001	SD	14.31	45	82.5	230/460	1.6	1, 19
		143TC	VM7014T-I	④	T3C	1,080	SD	15.23	51	82.5	230/460	1.6	1, 19
1 1/2	1800	56C	VM7034-I	④	T3C	1,078	SD	15.17	50	84	230/460	2.4	1, 19
		145TC	VM7034T-I	④	T3C	1,164	SD	15.23	50	84	230/460	2.4	1, 19
2	1800	145TC	VM7037T-I	④	T3C	1,259	SD	15.23	48	84	230/460	3.1	1, 19
3	1800	182TC	VM7042T-I	④	T3C	1,614	SD	19.91	95	87.5	230/460	4.1	1, 19, 30
5	1800	184TC	VM7044T-I	④	T3C	1,966	SD	19.91	97	87.5	230/460	6.7	1, 19
7 1/2	1800	213TC	VM7047T-I	④	T3C	2,275	SD	21.06	165	89.5	230/460	10.2	1, 19, 30
10	1800	215TC	VM7170T-I	④	T3C	2,760	SD	20.77	230	89.5	230/460	14.2	1, 19, 30

(a) See notes on inside back flap.

④ = Class I, Group C & D

■ Cast Iron Frame

These motors expel condensation better than standard explosion proof designs. They are recommended for applications where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**Drill Rig Duty,  
Single Phase,  
C-Face,  
1.15 Service Factor,  
Foot Mounted**

**1/3 thru 1 Hp**

**NEMA 56C**



**Applications:** Pumps, blowers, valves and other applications in petro-chemical industry needing Severe Duty, Division I, Class I, Group C & D approval.

**Features:** Corrosion resistant finish, breather drain, labyrinth seal on output shaft. UL approved conduit box, 1.15 service factor, UL and CSA approved for Division 1, Class I, Group C & D.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
1/3	1800	56C	CL5001-I	④	T3C	911	K	14.31	47	55	115/208-230	3.3	
1/2	1800	56C	CL5004-I	④	T3C	912	K	14.31	53	64	115/208-230	4	
3/4	1800	56C	CL5007-I	④	T3C	974	K	15.17	53	68	115/208-230	5.3	
1	1800	56C	CL5023-I	④	T3C	1,049	K	16.05	66	68	115/230	6	30

(a) See notes on inside back flap.

④ = Class I, Group C & D

These motors expel condensation better than standard explosion proof designs. They are recommended for applications such as fuel transfer terminals and fuel truck loading facilities where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter duty explosion-proof motors must be used. See page 192.

**Drill Rig Duty,  
Close Coupled Pump**

**3 thru 10 Hp**

**182JP thru 184JP**



**Applications:** On and off shore drill rig service, bulk fuel terminals, and transfer stations. For use in high humidity hazardous-duty applications driving pumps, compressors, blowers, fans, and many other loads that require 1.15 service factor explosion-proof motors. Designed with features for use in the petroleum industry. Includes Class I, Group C & D approval for use in areas where hydrogen sulfide is present.

**Features:** Labyrinth-type recessed shaft slinger for increased bearing protection. Explosion-proof breather/drain to prevent build up of condensation. 55°C ambient, Class F insulation. Corrosion resistant finish with two part epoxy coating. UL and CSA approved for Division 1, Class I, Group C & D. 1.15 service factor (EJPM71170T-I has 1.0 S.F.). Super-E® motors have NEMA Premium® efficiency and 3 year warranty.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
3	1800	182JP	EJPM7142T-I	④	T3C	2,112	L1	22.09	136	89.5	230/460	4.1	1, 19, 30
5	1800	184JP	EJPM7144T-I	④	T3C	2,472	L1	22.09	153	89.5	230/460	6	1, 19, 30
7 1/2	1800	213TCZ	EJPM71147T-I	④	T3C	2,804	L1	25.65	225	91.7	230/460	9.5	1, 19, 97
10	1800	215TCZ	EJPM71170T-I	④	T3C	3,473	L1	25.65	252	92.4	230/460	12.3	19, 97

(a) See notes on inside back flap. ■ Cast Iron Frame

④ = Class I, Group C & D

These motors expel condensation better than standard explosion proof designs. They are recommended for applications such as fuel transfer terminals and fuel truck loading facilities where motors may run intermittently, applications where explosion-proof motors are installed outdoors exposed to the environment, and may not be operated for extended periods of time. These explosion-proof motors are not suitable for use with adjustable speed drives. Inverter duty explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

General Purpose Industrial Motors

Severe Duty Motors

Large AC Motors

Washdown Duty Motors

Explosion Proof Motors

Pump Motors

Light Industrial/Commercial Motors

HVAC Motors

**BALDOR • RELIANCE®**

**Jet Pump, Footless**

**1/2 thru 2 Hp**

**NEMA 56J**

**Applications:** Pumping applications that require a hazardous location motor.



**Features:** Explosion proof per UL and CSA, Class I, Group D and Class II, Group F & G. UL approved conduit box mounted on motor. Epoxy paint. 1.00 Service Factor.

Hp	RPM	NEMA Frame	Catalog Number	XP Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
<b>Single Phase</b>													
1/2	3600	56J	JL5003A	②	T4	691	K	14.79	37	55	115/230	3.9	
3/4	3600	56J	JL5006A	②	T4	773	K	15.68	40	62	115/230	4.9	
1	3600	56J	JL5009A	②	T4	828	K	15.68	48	66	115/230	6	
1 1/2	3600	56J	JL5030	②	T4	1,065	K	15.68	53	70	115/208-230	7.5	
2	3600	56J	JL5031	②	T4	1,157	K	16.56	60	74	115/208-230	11.5	
<b>Three Phase</b>													
1	3600	56J	JM7013	②	T4	918	K	13.72	30	75.5	230/460	1.8	30
1 1/2	3600	56J	JM7018	②	T4	936	K	14.79	40	75.5	208-230/460	2.3	
2	3600	56J	JM7071	②	T4	980	K	15.67	48	78.5	208-230/460	2.7	

(a) See notes on inside back flap.

② = Class I, Group D, Class II, Group F & G

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. The Explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty Explosion-proof motors must be used. See page 192.

**Close-Coupled Pump, Three Phase**

**3 thru 10 Hp**

**NEMA 145JM thru 215JM**

**Applications:** Applications for circulating and transferring fluids in hazardous locations.



**Features:** C-face with base. Corrosion resistant epoxy finish, rotors corrosion treated and precision balanced to insure smooth operation. 1.00 Service Factor. Class I, Group D only, T2C.

Hp	RPM	NEMA Frame	Catalog Number	XP (a) Cls/Grp	Temp Code	List Price	Mult. Sym.	"C" Dim.	Aprx. Wt. (lb)	Full Load Efficiency	Voltage	Full Load Amps	Notes (a)
3	3600	145JM	JMM7075T	①	T2C	1,466	L1	18.67	69	85.5	208-230/460	3.7	
		182JM	JMM7026T	①	T2C	1,466	L1	19.03	74	85.5	208-230/460	3.7	
5	3600	184JM	JMM7072T	①	T2C	1,981	L1	20.41	91	87.5	230/460	5.6	
7 1/2	3600	184JM	JMM7073T	①	T2C	2,227	L1	21.88	108	88.5	230/460	8.7	
		213JM	JMM7045T	①	T2C	2,610	L1	20.05	165	88.5	230/460	8.9	
10	3600	215JM	JMM7074T	①	T2C	2,956	L1	20.05	165	89.5	230/460	11.6	

(a) See notes on inside back flap.

① = Class I, Group D

**CAUTION:** Explosion-proof motors have a tight fit between mating parts to ensure the integrity of the explosion-proof enclosure. This can lead to an accumulation of moisture inside the motors due to condensation. Care should be used when selecting an explosion-proof motor, especially when installed outdoors and on intermittent duty. The Explosion-proof motors are not suitable for use with adjustable speed drives. Inverter Duty Explosion-proof motors must be used. See page 192.

General Information

Single Phase Motors

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Severe Duty Motors

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Pump Motors

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HVAC Motors