

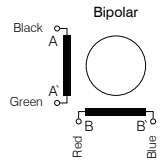
Type ST2018 - sizes S, M, L - 1.8° - Nema 8



Option



Pin configuration

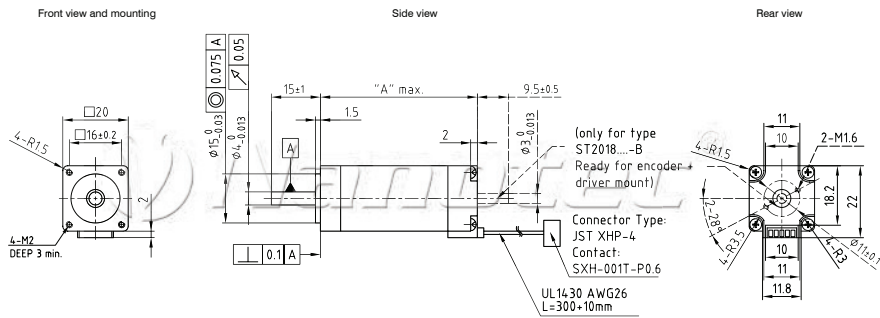


Order identifier

ST 2018 S 0604 -A
 A = one shaft end
 B = two shaft ends for encoder

Dimension image (in mm)

ST2018

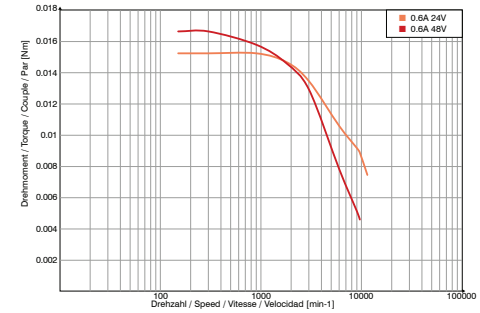


Available versions (others on request)

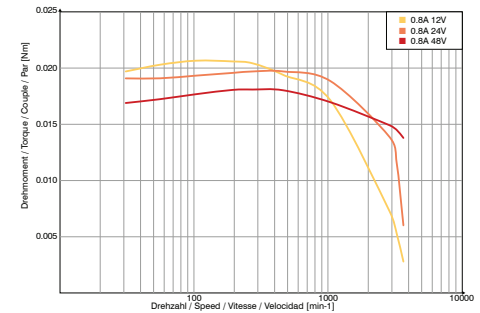
Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST2018S0604	0.60	1.80	6.5	1.70	2.0	0.06	33
ST2018M0804	0.80	3.00	5.4	1.50	2.0	0.08	42
ST2018L0804	0.80	3.60	6.0	2.20	2.3	0.09	48

Speed/torque curves

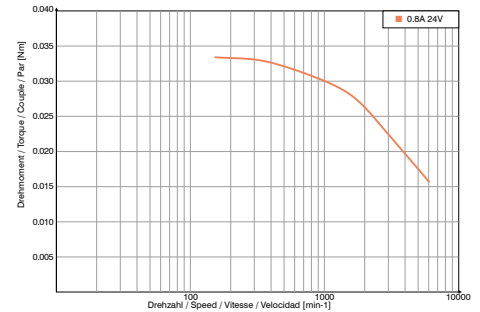
ST2018S0604



ST2018M0804



ST2018L0804



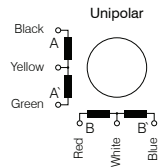
Type ST2818 - sizes S, M, L - 1.8° - Nema 11



Option



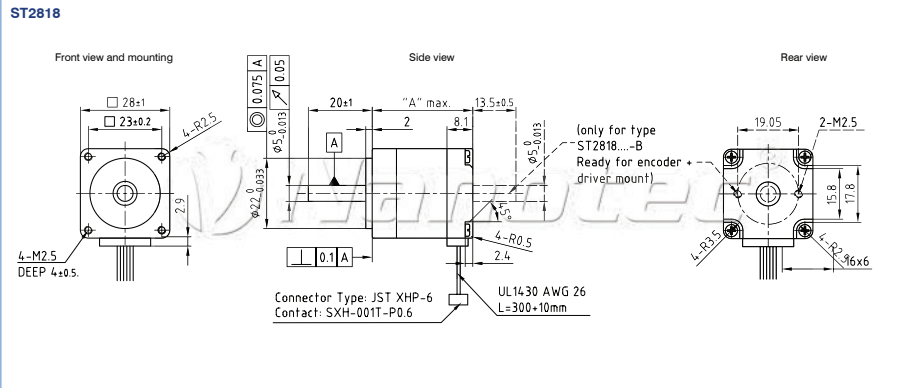
Pin configuration



Order identifier

ST 2818 S 1006 -A
 A = one shaft end
 B = two shaft ends
 for encoder or brake

Dimension image (in mm)



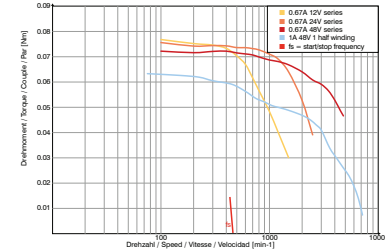
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque gcm ²	Weight kg	Length "A" mm
ST2818S1006	0.95	4.3	2.8	1.0	9	0.110	32
ST2818M1006	0.95	7.5	3.4	1.2	12	0.176	45
ST2818L1006	0.95	9.0	4.6	1.4	18	0.250	51
ST2818L1404	1.40	11.7	2.3	1.8	18	0.250	51

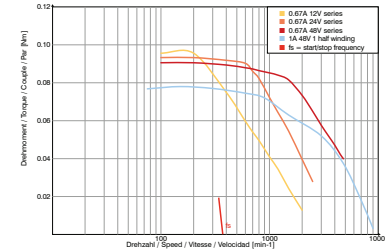
All data refer to unipolar!

Speed/torque curves

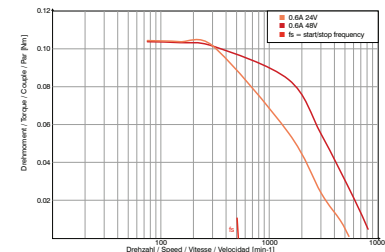
ST2818S1006



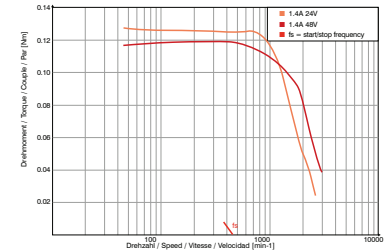
ST2818M1006



ST2818L1006



ST2818L1404



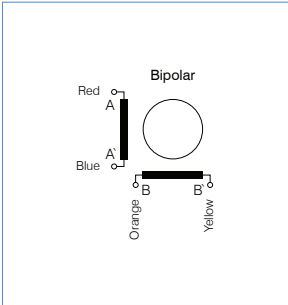
■ Type STF2818 - ultraflat stepper motor



Option



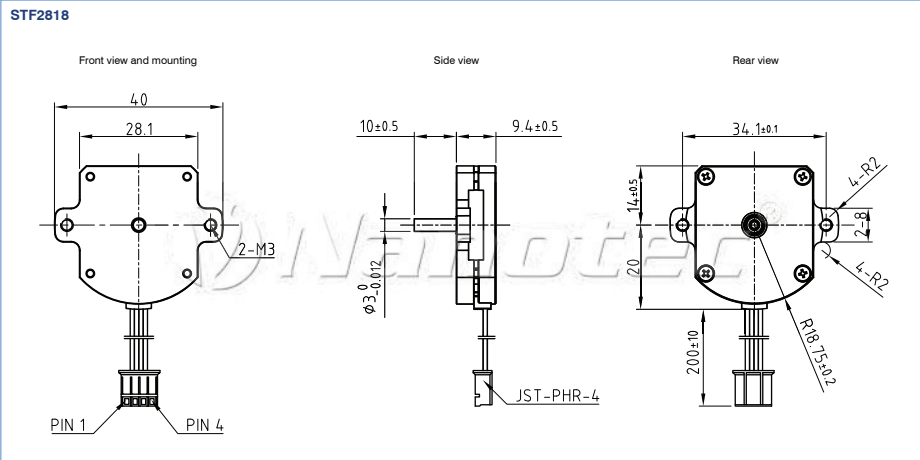
Pin configuration



Order identifier

STF2818X0504-A

Dimension image (in mm)

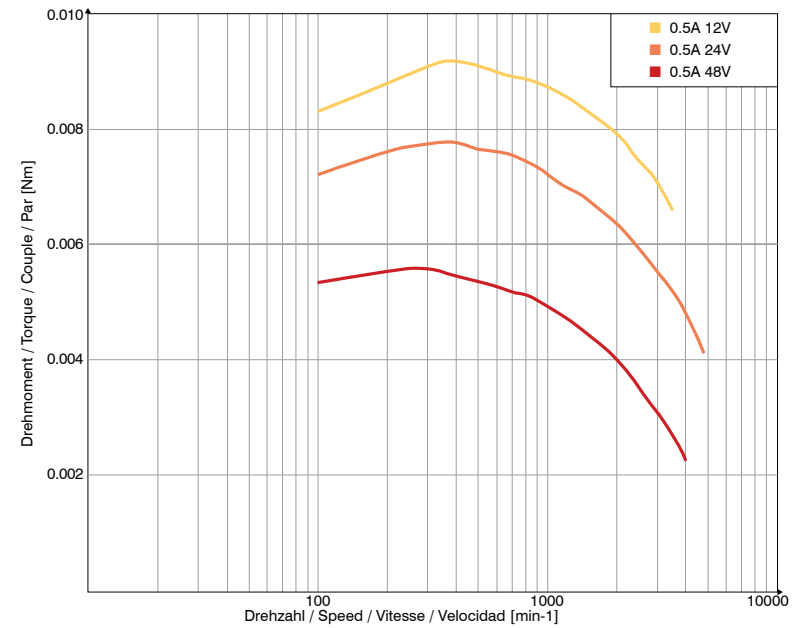


Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque gcm ²	Weight kg	Length "A" mm
STF2818X0504-A	0.5	0.98	3.7	0.88	1.7	0.028	9.4

Speed/torque curves

STF2818X0504



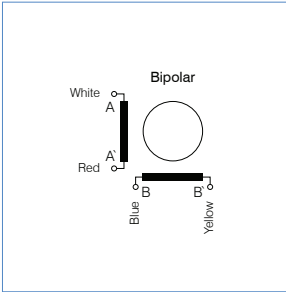
Type ST3518 - sizes S, M, L - 1.8° - Nema 14



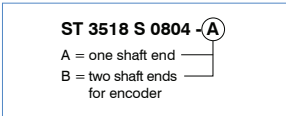
Option



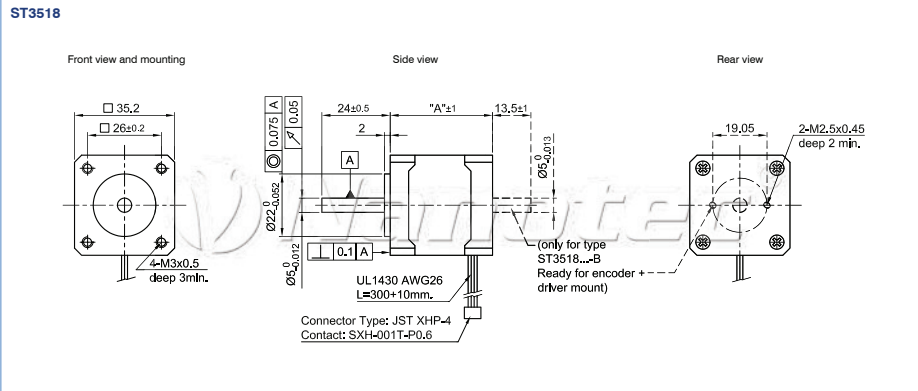
Pin configuration



Order identifier



Dimension image (in mm)

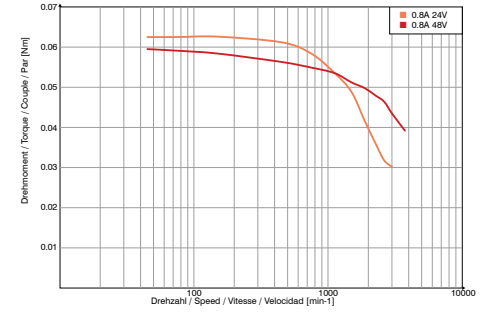


Available versions (others on request)

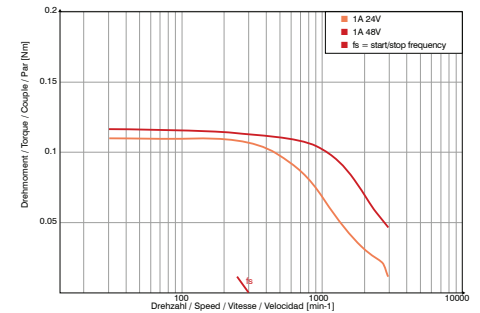
Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm²	Weight kg	Length "A" mm
ST3518S0804	0.8	7.0	4.0	2.3	10	0.15	26.0
ST3518M1004	1.0	14.0	2.7	4.3	14	0.16	36.0
ST3518L1204	1.2	23.0	3.4	2.8	43	0.30	52.0

Speed/torque curves

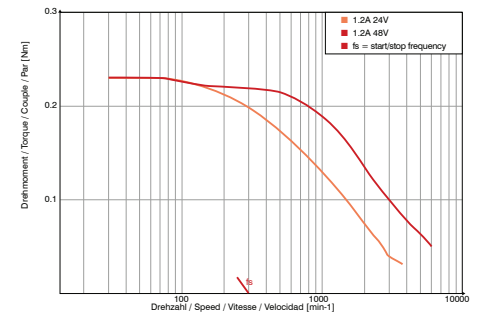
ST3518S0804



ST3518M1004



ST3518L1204



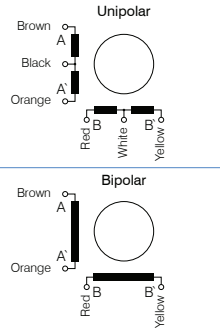
■ Type ST4209 - size X, S, M, L - 0.9° - Nema 17



Option



Pin configuration

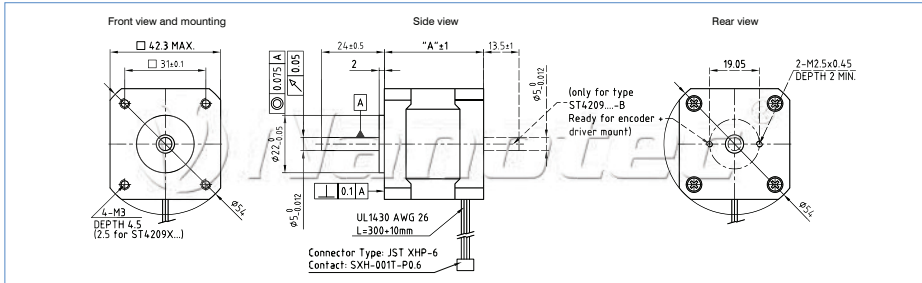


Order identifier

ST 4209 S 1006 -A

A = one shaft end
B = two shaft ends
for encoder or brake

Dimension image (in mm)



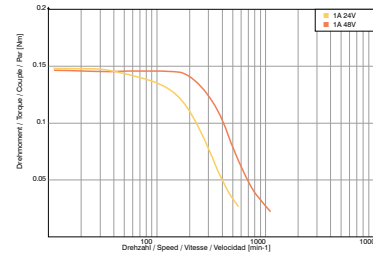
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Nm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia g cm ²	Weight kg	Length "A" mm
ST4209X1004	1.00	17.0	8.70	18.0	20	0.15	22.0
ST4209S0404	0.42	12.0	13.00	7.5	35	0.22	33.5
ST4209S1006	0.95	15.0	4.20	4.0	35	0.22	33.5
ST4209S1404	1.33	22.0	2.10	5.2	35	0.22	33.5
ST4209M1206	1.20	25.0	3.30	4.0	54	0.28	39.5
ST4209M1704	1.68	36.0	1.65	4.0	54	0.28	39.5
ST4209L1206	1.20	31.0	3.30	4.8	68	0.35	47.5
ST4209L1704	1.68	44.0	1.65	5.0	68	0.35	47.5

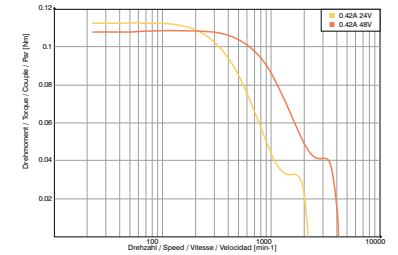
All data refer to unipolar!

Speed/torque curves

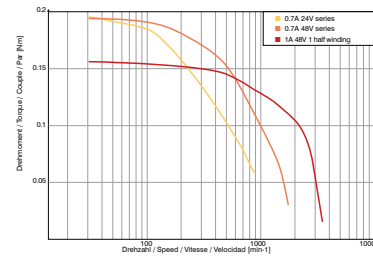
ST4209X1004



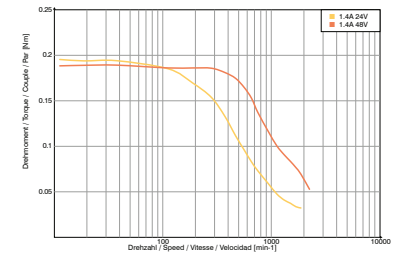
ST4209S0404



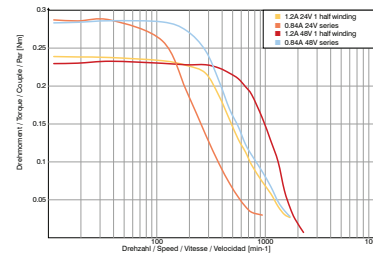
ST4209S1006



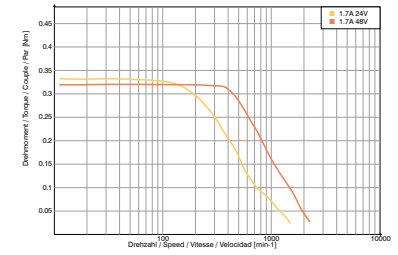
ST4209S1404



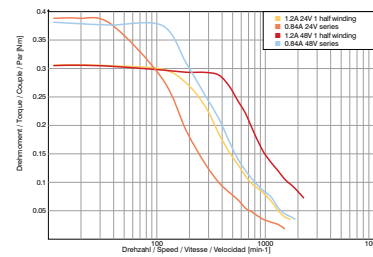
ST4209M1206



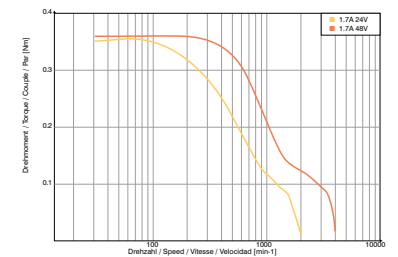
ST4209M1704



ST4209L1206



ST4209L1704



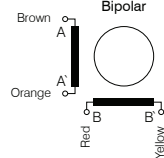
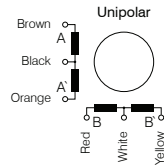
■ Type ST4118 - size X, S, M, L, D - 1.8° - Nema 17



Option



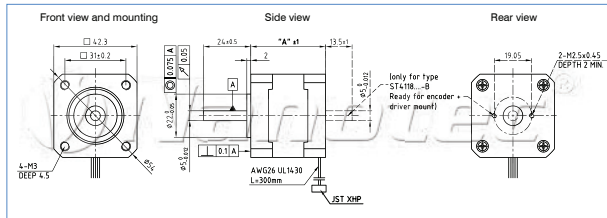
Pin configuration



Order identifier

ST 4118 S 1404 -A
 A = one shaft end
 B = two shaft ends for encoder or brake

Dimension image (in mm)



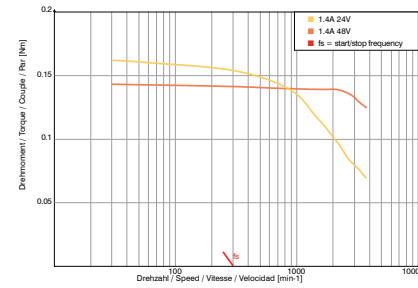
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST4118X0404	0,40	17	24,00	36,00	20	0,15	26
ST4118X1404	1,40	9,0	2,00	1,60	20	0,15	26
ST4118S0206	0,22	15,0	75,00	53,00	38	0,20	31
ST4118S0406	0,35	16,0	30,00	21,70	38	0,20	31
ST4118S0706	0,70	16,0	7,60	6,80	38	0,20	31
ST4118S1006	0,95	15,0	3,90	2,80	38	0,20	31
ST4118S1404	1,40	20,0	2,00	2,80	38	0,20	31
ST4118M0406	0,40	28,0	30,00	25,00	57	0,24	38
ST4118M0706	0,70	28,0	9,50	8,00	57	0,24	38
ST4118M0906	0,90	28,0	5,70	6,80	57	0,24	38
ST4118M1206	1,20	28,0	3,10	2,90	57	0,24	38
ST4118M1404	1,40	24,0	1,20	1,70	57	0,24	38
ST4118M1804	1,80	28,0	1,10	1,85	57	0,24	38
ST4118L0804	0,80	50,0	9,30	17,00	82	0,34	49
ST4118L1206	1,20	35,0	3,30	4,30	82	0,34	49
ST4118L1804	1,80	50,0	1,75	3,30	82	0,34	49
ST4118L3004	3,00	50,0	0,63	1,03	82	0,34	49
ST4118D1804	1,80	80,0	3,00	7,00	102	0,50	60
ST4118D3004	3,00	80,0	1,10	2,70	102	0,50	60

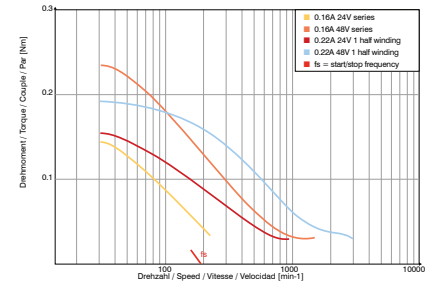
All data refer to unipolar!

Speed/torque curves

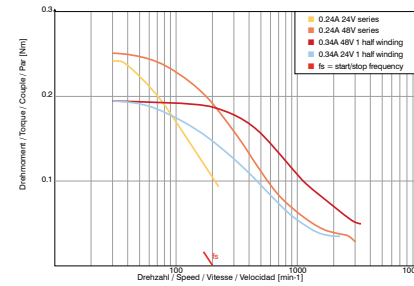
ST4118X1404



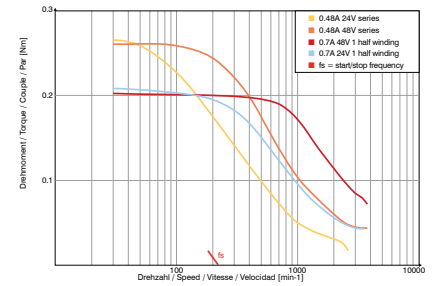
ST4118S0206



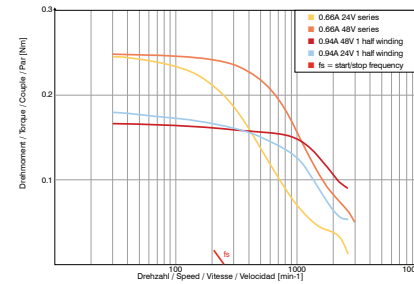
ST4118S0406



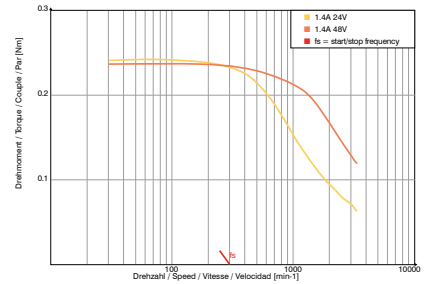
ST4118S0706



ST4118S1006

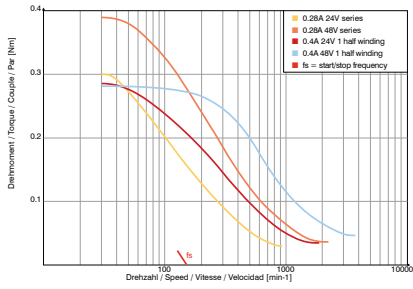


ST4118S1404

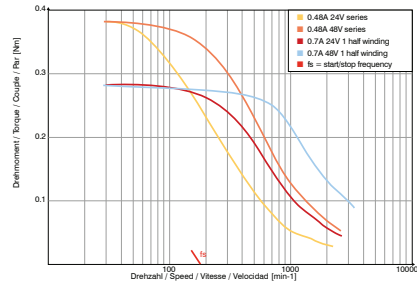


Speed/torque curves

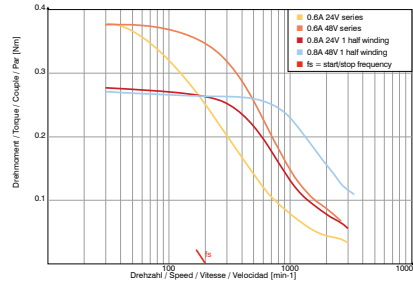
ST4118M0406



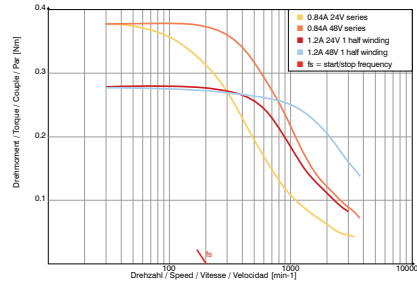
ST4118M0706



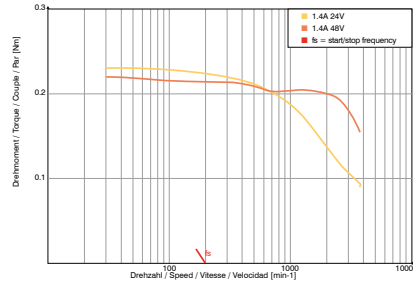
ST4118M0906



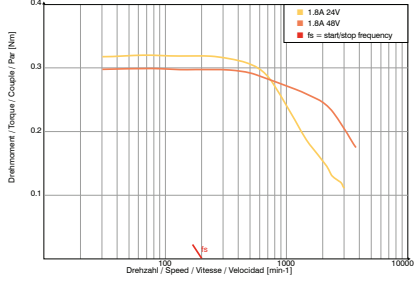
ST4118M1206



ST4118M1404

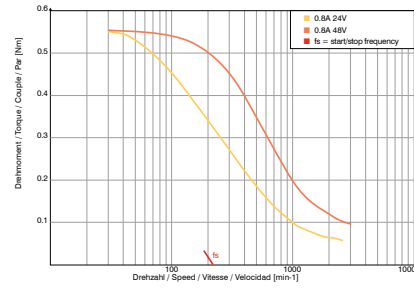


ST4118M1804

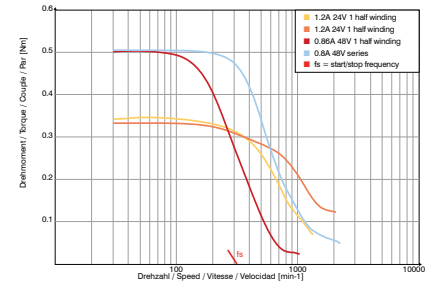


Speed/torque curves

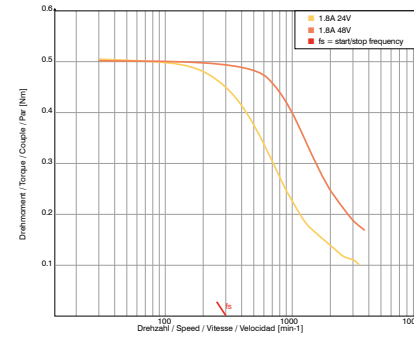
ST4118L0804



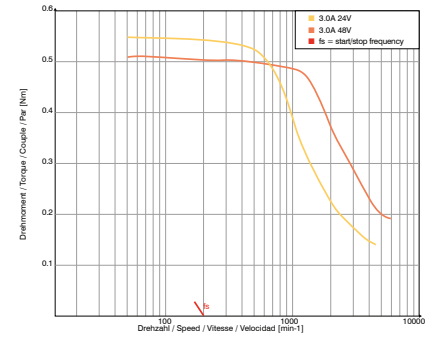
ST4118L1206



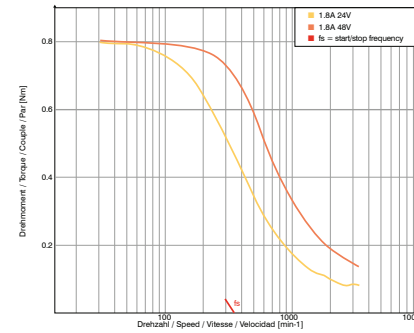
ST4118L1804



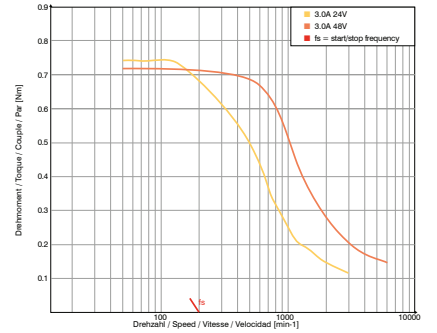
ST4118L3004



ST4118D1804



ST4118D3004



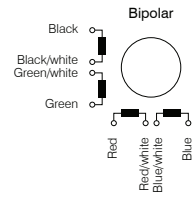
■ Type ST5909 - size X, S, M, L - 0.9° - Nema 23



Option



Pin configuration

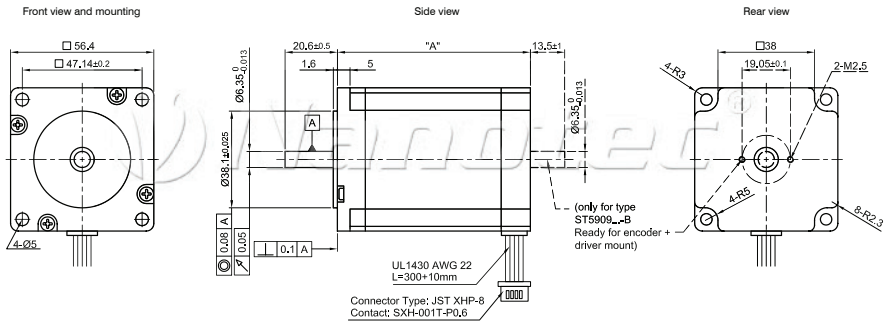


Order identifier

ST 5909M2008 - A
 A = one shaft end
 B = two shaft ends for encoder or brake

Dimension image (in mm)

ST5909



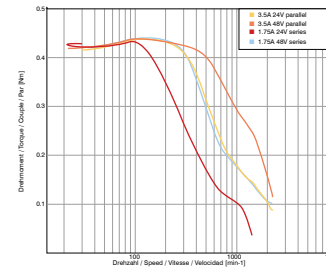
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST5909X2508	2.5	43	0.85	1.6	120	0.45	41
ST5909S1008	1.0	72	6.60	13	275	0.65	51
ST5909M1008	1.0	74	6.90	14	300	0.65	51
ST5909M2008	2.0	74	1.80	4.5	300	0.70	56
ST5909L1008	1.0	140	8.60	23.0	480	1.00	76
ST5909L2008	2.0	140	2.40	6.7	480	1.00	76
ST5909L3008	3.0	140	1.00	2.6	480	1.00	76

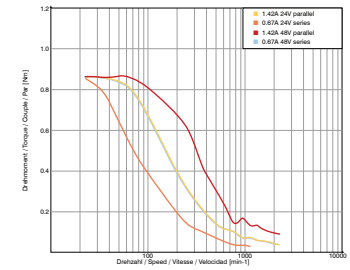
All data refer to unipolar!

Speed/torque curves

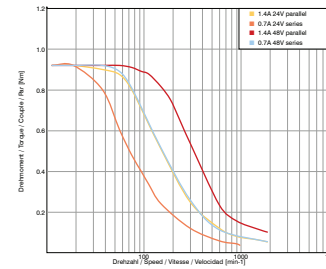
ST5909X2508



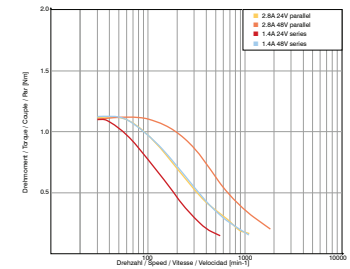
ST5909S1008



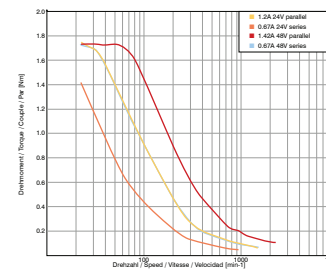
ST5909M1008



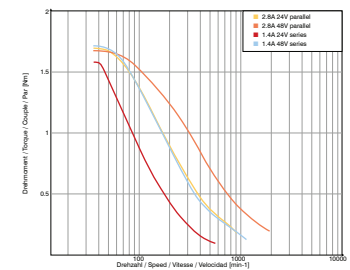
ST5909M2008



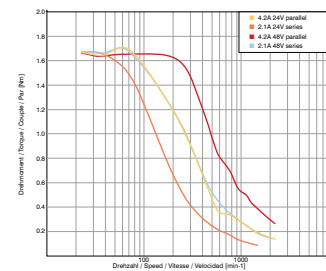
ST5909L1008



ST5909L2008



ST5909L3008



■ Type ST5918 - size X, S, M, L, D - 1.8° - Nema 23

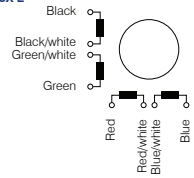


Option

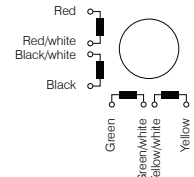


Pin configuration

ST5918X-L



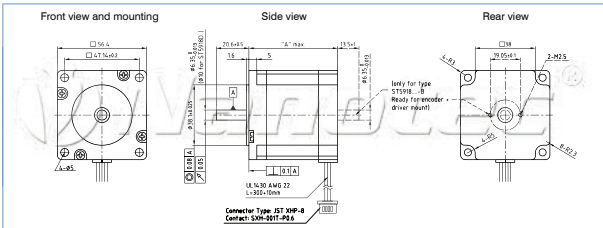
ST5918D



Order identifier

ST 5918 X 1008 -A
 A = one shaft end
 B = two shaft ends
 for encoder or brake

Dimension image (in mm)



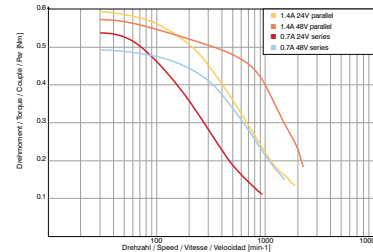
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm²	Weight kg	Length "A" mm
ST5918X1008	1,0	38	5,00	5,40	135	0,49	41
ST5918X2008	2,0	38	1,20	1,30	135	0,49	41
ST5918X3008	3,0	38	0,50	0,54	135	0,49	41
ST5918S1008	1,0	65	6,20	9,70	275	0,65	51
ST5918S2008	2,0	60	1,50	2,60	275	0,65	51
ST5918S3008	3,0	65	0,72	1,10	275	0,65	51
ST5918M1008	1,0	88	6,90	14,0	300	0,70	56
ST5918M2008	2,0	88	1,70	2,50	300	0,70	56
ST5918M3008	3,0	88	0,70	1,30	300	0,70	56
ST5918L1008	1,0	132	8,80	19,0	480	1,00	76
ST5918L2008	2,0	132	2,40	5,10	480	1,00	76
ST5918L3008	3,0	132	1,00	2,20	480	1,00	76
ST5918L4508	4,5	132	0,50	0,95	480	1,00	76
ST5918D4208	4,2	180	1,00	2,60	650	1,80	115

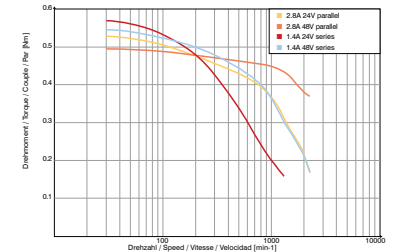
All data refer to unipolar!

Speed/torque curves

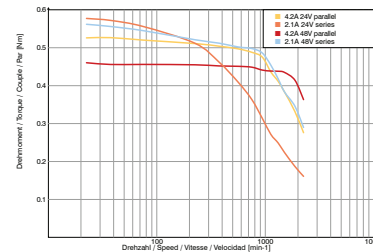
ST5918X1008



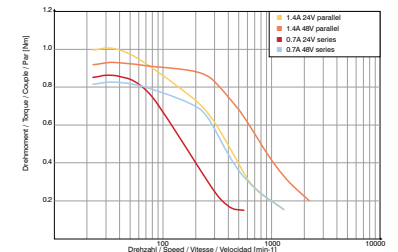
ST5918X2008



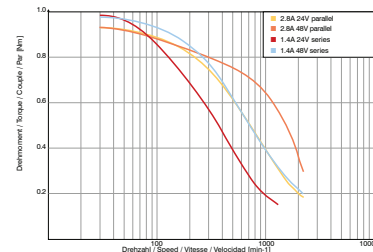
ST5918X3008



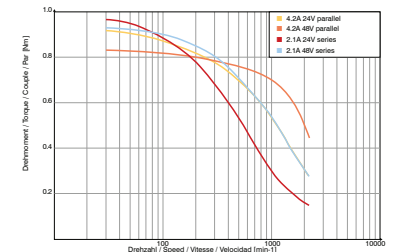
ST5918S1008



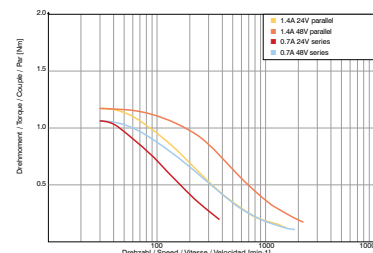
ST5918S2008



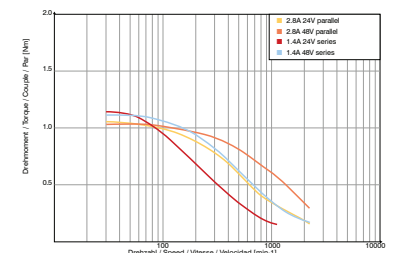
ST5918S3008



ST5918M1008

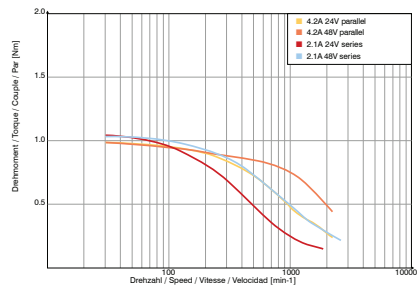


ST5918M2008

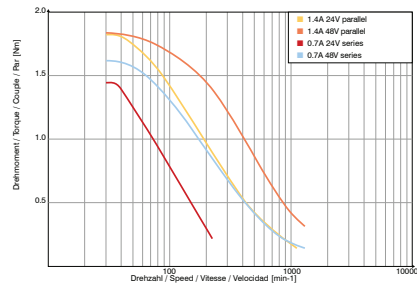


Speed/torque curves

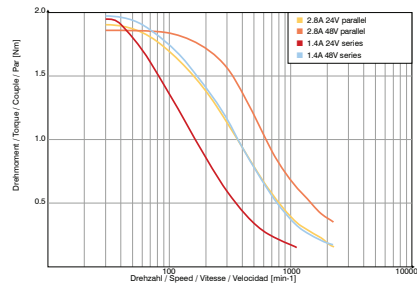
ST5918M3008



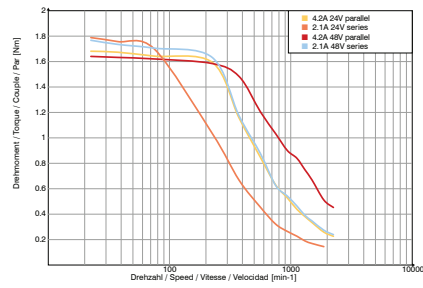
ST5918L1008



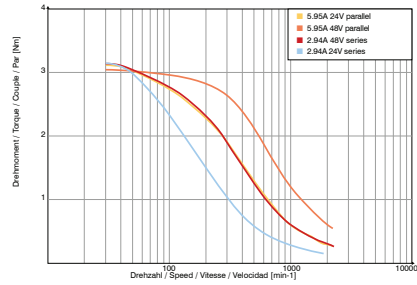
ST5918L2008



ST5918L3008



ST5918D4208



Notes

Blank area for notes.

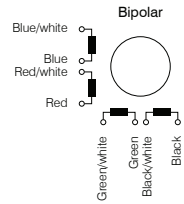
■ Type ST6018 - size X, M, K, L, D - 1.8°



Option



Pin configuration

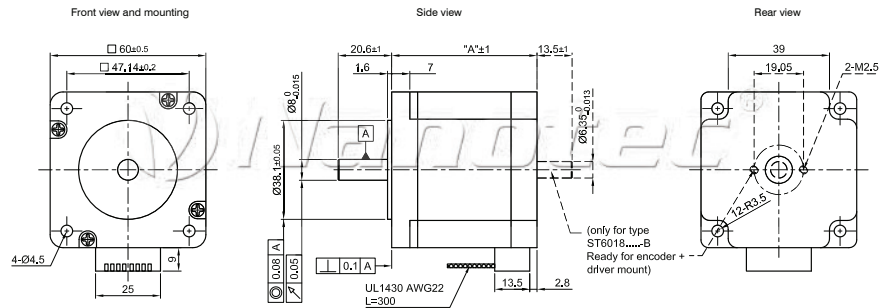


Order identifier

ST 6018 X 2008 - A
 A = one shaft end
 B = two shaft ends
 for encoder or brake

Dimension image (in mm)

ST6018



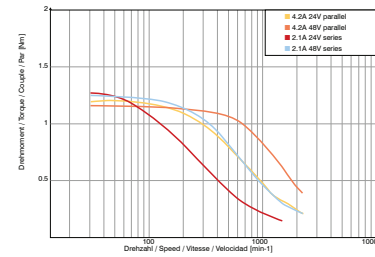
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST6018X2008	2.0	75	1.46	1.80	275	0.60	47
ST6018X3008	3.0	78	0.68	0.80	275	0.60	47
ST6018M2008	2.0	138	2.00	5.60	450	0.77	56
ST6018M3008	3.0	117	0.80	1.38	450	0.77	56
ST6018K2008	2.0	150	2.40	4.60	570	1.20	67
ST6018L3008	3.0	250	1.30	3.20	840	1.40	88
ST6018D4508	4.5	283	0.75	1.40	1100	1.90	111

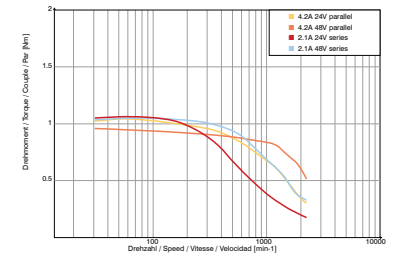
All data refer to unipolar!

Speed/torque curves

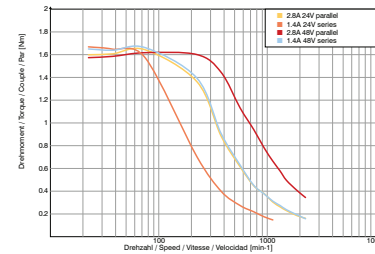
ST6018X2008



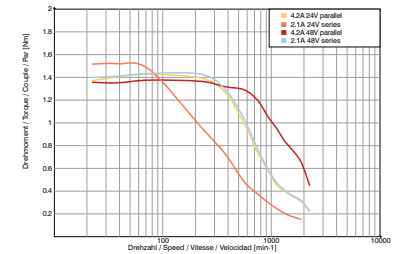
ST6018X3008



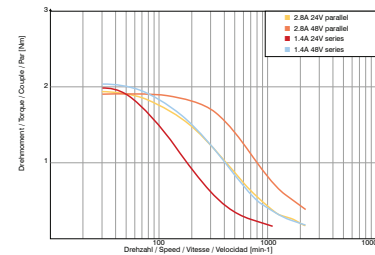
ST6018M2008



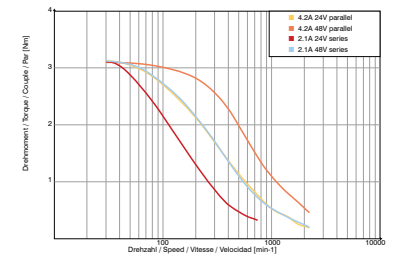
ST6018M3008



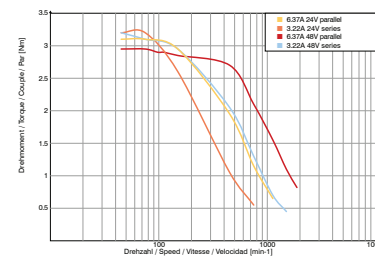
ST6018K2008



ST6018L3008



ST6018D4508



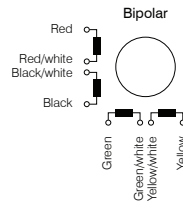
Type ST8918 - sizes S, M, L, D - 1.8° - Nema 34



Option



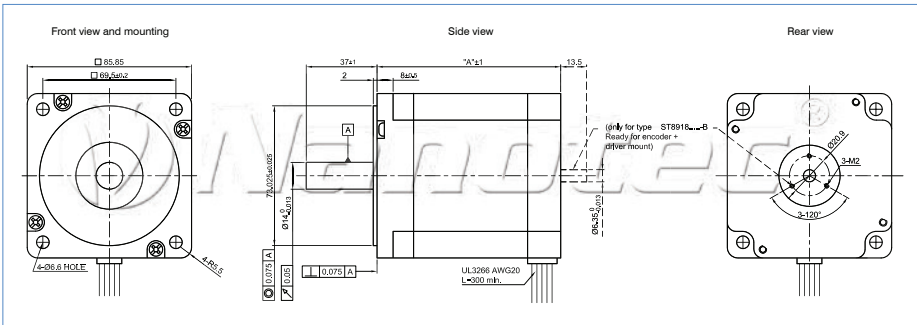
Pin configuration



Order identifier

ST 8918 M 6708 -A
 A = one shaft end
 B = two shaft ends
 for encoder or brake

Dimension image (in mm)



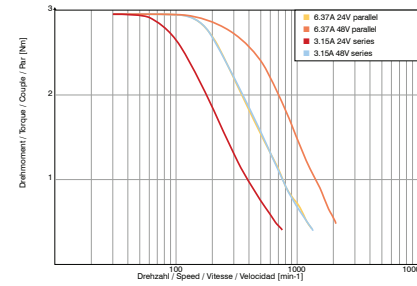
Available versions (others on request)

Type	Current per winding A/winding	Holding torque Ncm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm²	Weight kg	Length "A" mm
ST8918S4508	4,5	250	0,60	1,9	1000	1,70	65
ST8918M4508	4,5	420	0,66	3,0	1900	2,80	96
ST8918M6708	6,7	420	0,45	2,6	1900	2,80	96
ST8918L4508	4,5	660	1,10	6,3	3000	3,95	126
ST8918L6708	6,7	660	0,46	2,7	3000	3,95	126
ST8918D6708	6,7	950	0,75	4,9	4000	5,40	156

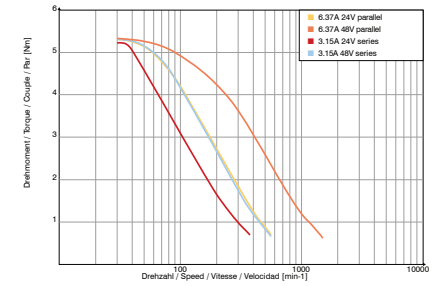
All data refer to unipolar!

Speed/torque curves

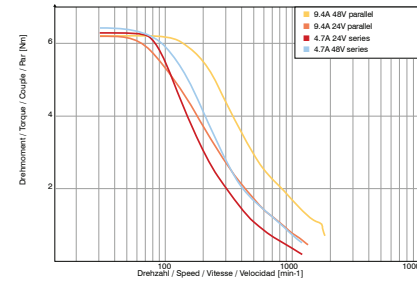
ST8918S4508



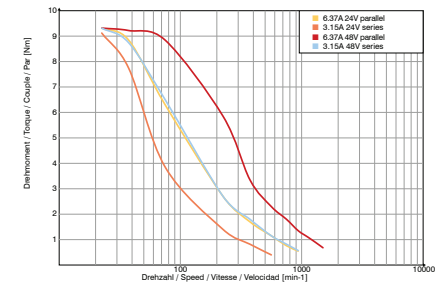
ST8918M4508



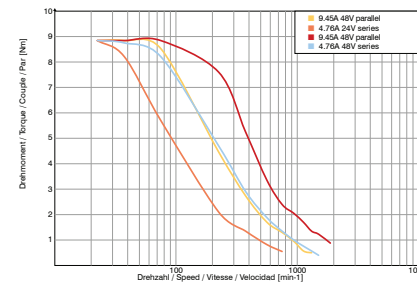
ST8918M6708



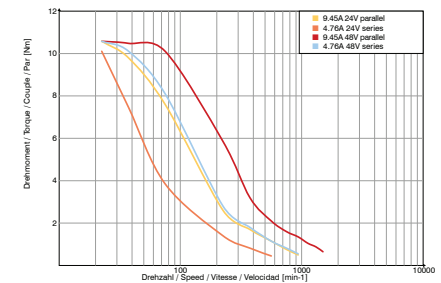
ST8918L4508



ST8918L6708



ST8918D6708



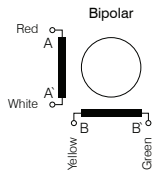
Type ST11018 - sizes S, M, L - 1.8° - Nema 42



Option



Pin configuration

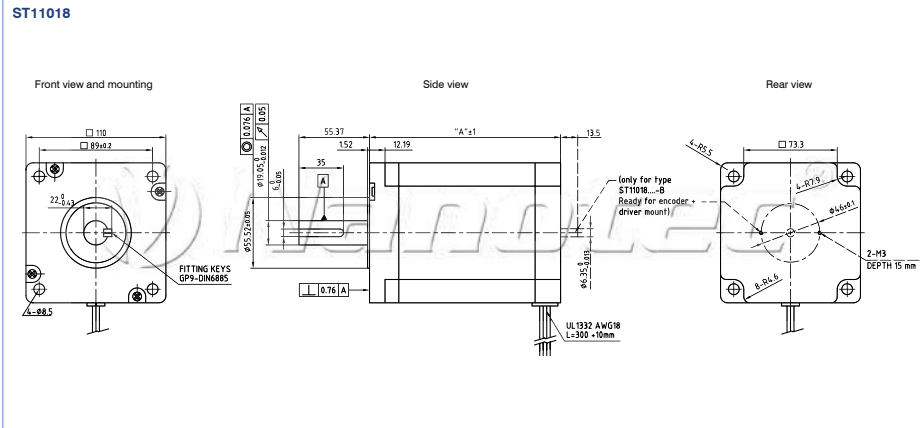


Order identifier

ST 11018 M 6504 -A

A = one shaft end
B = two shaft ends
for encoder or brake

Dimension image (in mm)

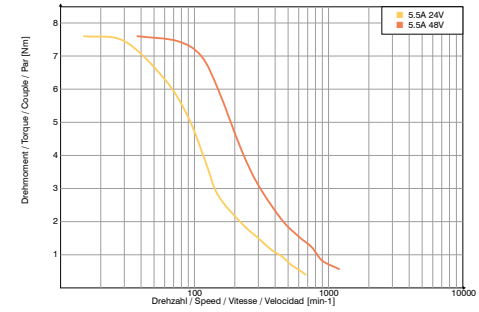


Available versions (others on request)

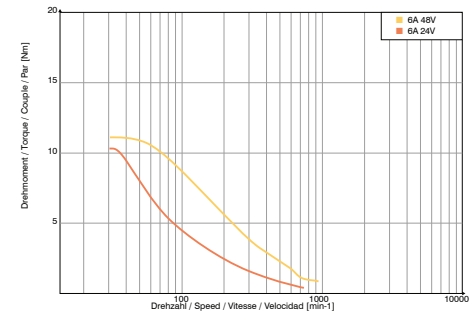
Type	Current per winding A/winding	Holding torque Nm	Resistance per winding ohm/winding	Inductance per winding mH/winding	Rotor inertia torque g cm ²	Weight kg	Length "A" mm
ST11018S5504	5,5	11,7	0,70	9,8	5500	5,0	99
ST11018M6504	6,5	21,0	1,15	15,2	10900	8,4	150
ST11018L8004	8,0	25,0	1,00	17,1	16200	11,7	210

Speed/torque curves

ST11018S5504



ST11018M6504



ST11018L8004

