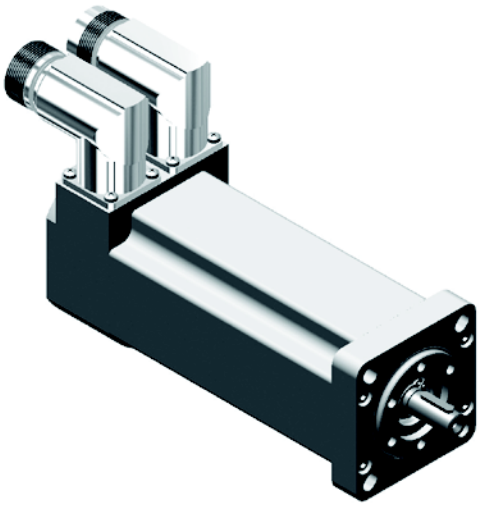
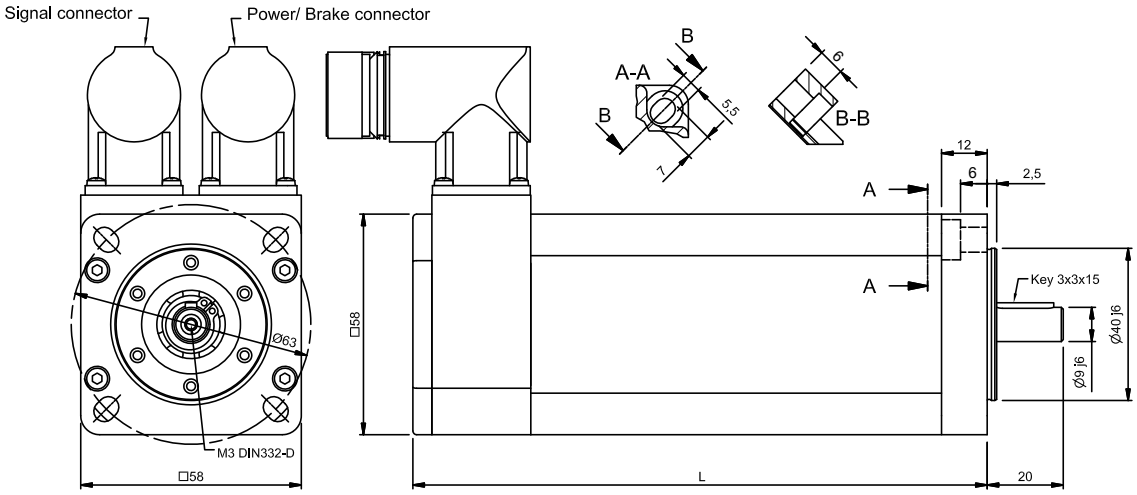
FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (L) Without brake	Length with RESOLVER (L) With brake	Maximum Length with ENCODER (L) Without brake	Maximum Length with ENCODER (L) With brake	Weight Kg Without brake	Weight Kg With brake
B28.D2Q	0.25	86.5	116.5	102.5	132.5	1.0	1.5
B28.D5Q	0.50	98.5	128.5	114.5	144.5	1.2	1.7
B28.D7Q	0.75	110.5	140.5	126.5	156.5	1.5	2.0
B28.01Q	1.00	122.5	152.5	138.5	168.5	1.7	2.2
B28.E2Q	1.25	134.5	164.5	150.5	180.5	2.0	2.5

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	2	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	70.6	Ohm
Electrical Power	Pbr	8.2	W
Current	Ibr	0.34	Adc
Additional* Rotor Inertia	Jbr	0.12	kgcm2
Opening (release) time	to max	30	ms
Closing (fall in) time	tc max	15	ms
Additional* Motor weight	mbr	0.5	kg

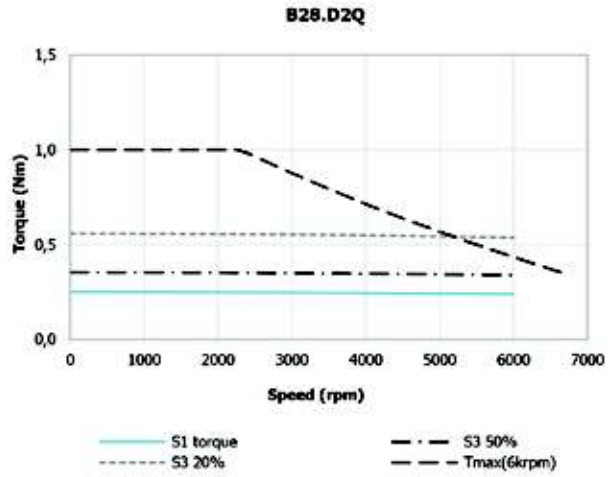
* Additional values are related to the motor data when the brake is mounted on the motor of the respective size, these values differ from the brake data in unmounted condition!

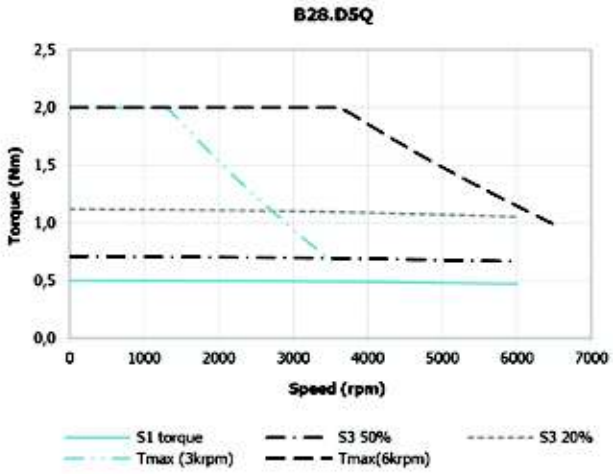
For dimensions of B28 motors fully designed in accordance with degree of protection IP65, please contact us.

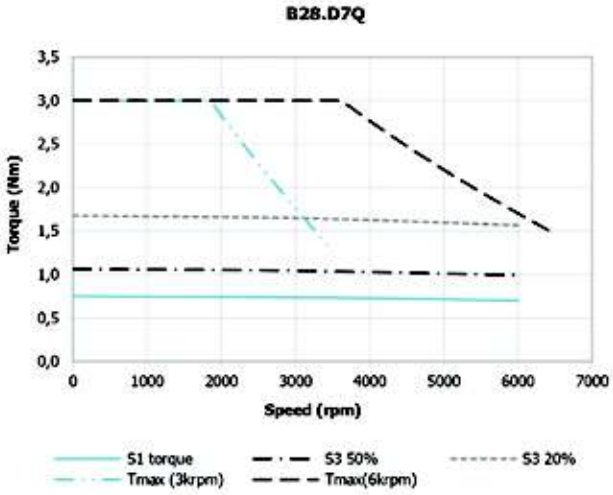
FOR MAINS VOLTAGE
400 V

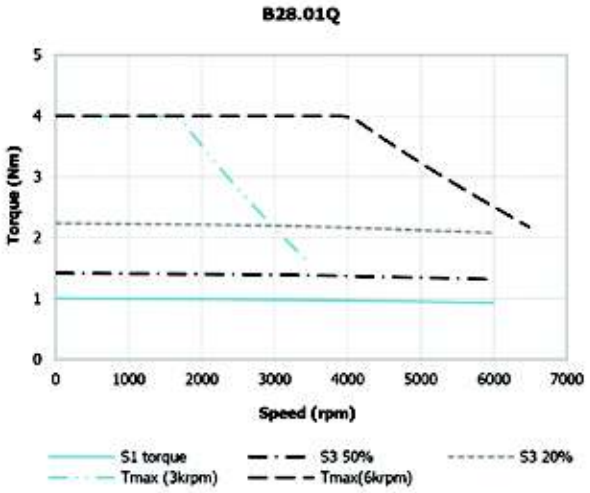
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	W	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1}																	
B28.D5Q	0.50	3000	153.9	0.49	2.0	9000	0.13	153846	34	140	0.84	1.45	171.7	225.7	264	0.34	0.34
B28.D7Q	0.75	3000	229.3	0.73	3.0	9000	0.19	157895	36	140	0.84	1.45	80.6	132.2	264	0.52	0.50
B28.01Q	1.00	3000	304.7	0.97	4.0	9000	0.25	160000	38	140	0.84	1.45	63.9	112.8	264	0.69	0.67
B28.E2Q	1.25	3000	380.1	1.21	5.0	9000	0.31	161290	40	140	0.84	1.45	47.9	88.2	264	0.86	0.83
6000 min^{-1}																	
B28.D2Q	0.25	6000	151	0.24	1.0	9000	0.07	142857	31	140	0.42	0.73	127.6	128.8	264	0.34	0.33
B28.D5Q	0.50	6000	295	0.47	2.0	9000	0.13	153846	34	140	0.42	0.73	38.9	55.9	264	0.69	0.65
B28.D7Q	0.75	6000	440	0.70	3.0	9000	0.19	157895	36	140	0.42	0.73	25.0	38.8	264	1.03	0.96
B28.01Q	1.00	6000	584	0.93	4.0	9000	0.25	160000	38	140	0.42	0.73	15.9	26.7	264	1.37	1.28
B28.E2Q	1.25	6000	729	1.16	5.0	9000	0.31	161290	40	140	0.42	0.73	13.5	23.6	264	1.72	1.59

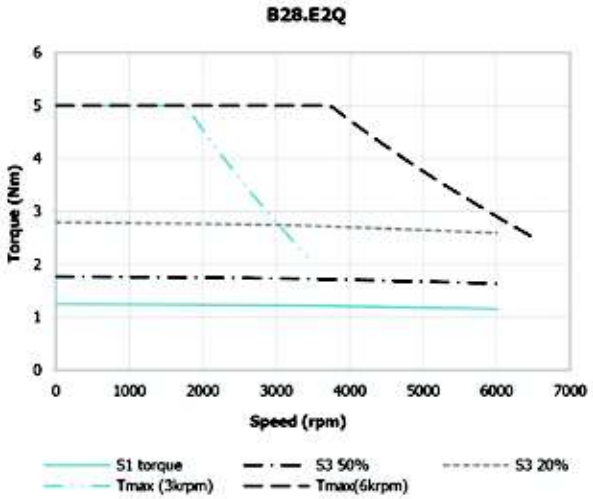
FOR MAINS VOLTAGE
400 V



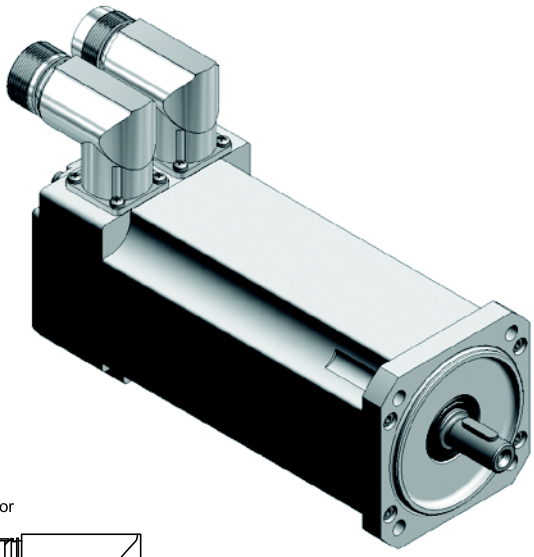


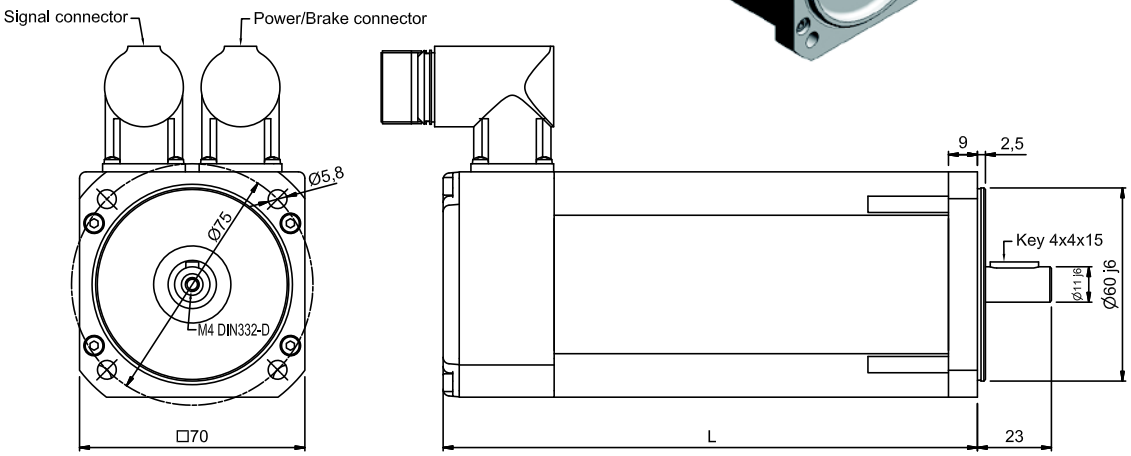






FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

	Torque	Length with RESOLVER (L)		Maximum Length with ENCODER (L)		Weight Kg	
Type	Nm	Without brake	With brake	Without brake	With brake	Without brake	With brake
B36.D6Q	0.6	112	147	123	158	2.0	2.6
B36.E2Q	1.2	127	162	138	173	2.2	2.8
B36.E8Q	1.8	142	177	153	188	2.6	3.2
B36.F4Q	2.4	167	198	180	211	3.6	4.2
B36.O3Q	3.0	182	213	195	226	3.8	4.4

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	3.2	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	53.2	Ohm
Electrical Power	Pbr	10.8	W
Current	Ibr	0.45	Adc
Additional* Rotor Inertia	Jbr	0.38	kgcm2
Opening (release) time	to max	30	ms
Closing (fall in) time	tc max	19	ms
Additional* Motor weight	mbr	0.6	kg

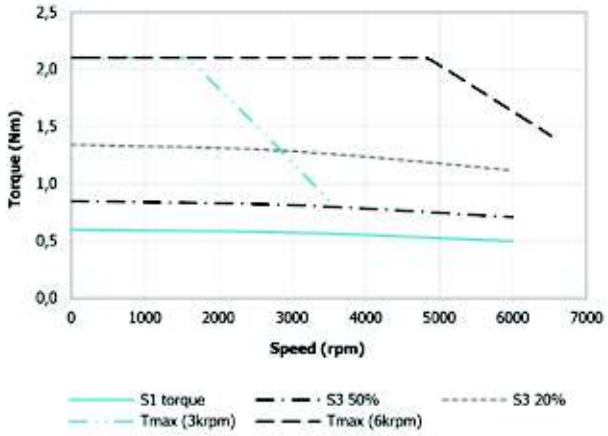
* Additional values are related to the motor data when the brake is mounted to the motor of the respective size, these values differ from the brake data in unmounted condition!

FOR MAINS VOLTAGE
400 V

Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	W	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1}																	
B36.D6Q	0.6	3000	172.8	0.55	2.1	9000	0.25	84000	30	140	0.84	1.45	105.0	144.0	264	0.4	0.4
B36.E2Q	1.2	3000	345.6	1.10	4.2	9000	0.44	95455	32	140	0.84	1.45	36.2	69.6	264	0.8	0.8
B36.E8Q	1.8	3000	518.4	1.65	6.3	9000	0.63	100000	34	140	0.84	1.45	21.0	46.4	264	1.2	1.1
B36.F4Q	2.4	3000	691.2	2.20	8.5	9000	1.05	103659	36	140	0.84	1.45	15.0	36.0	264	1.7	1.5
B36.O3Q	3.0	3000	848	2.70	10.5	9000	1.22	102941	38	140	0.84	1.45	11.1	28.0	264	2.1	1.9
6000 min^{-1}																	
B36.D6Q	0.6	6000	314.2	0.5	2.1	9000	0.25	84000	30	140	0.42	0.73	26.3	36.1	264	0.8	0.7
B36.E2Q	1.2	6000	628.0	1.0	4.2	9000	0.44	95455	32	140	0.42	0.73	9.04	17.4	264	1.6	1.4
B36.E8Q	1.8	6000	942.5	1.5	6.3	9000	0.63	100000	34	140	0.42	0.73	5.25	11.6	264	2.5	2.1
B36.F4Q	2.4	6000	1225	2.0	8.5	9000	1.05	103659	36	140	0.42	0.73	3.75	9.0	264	3.3	2.7
B36.O3Q	3.0	6000	1508	2.4	10.5	9000	1.22	102941	38	140	0.42	0.73	2.77	7.0	264	4.1	3.3

FOR MAINS VOLTAGE
400 V

B36.D6Q



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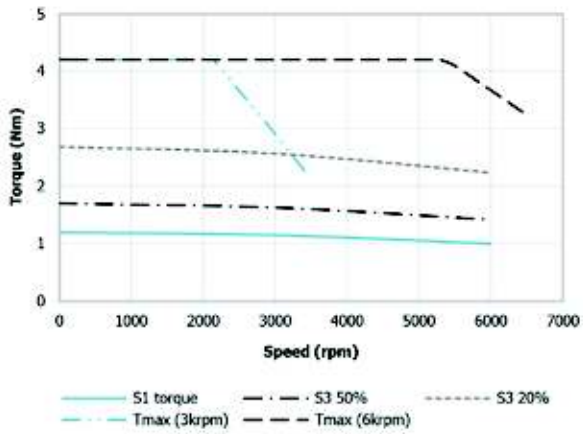

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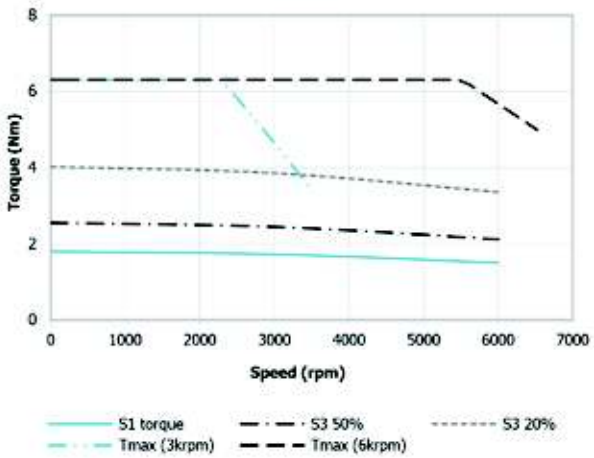

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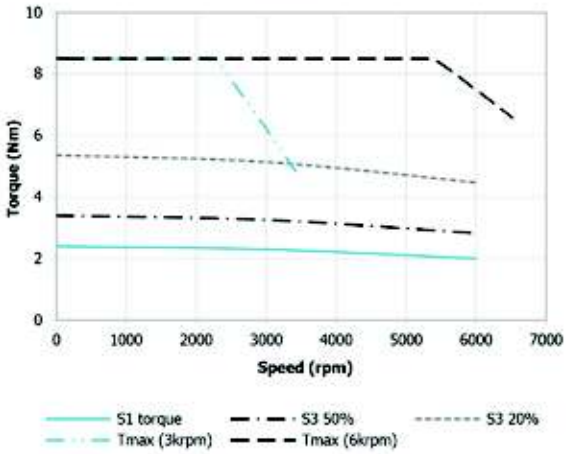

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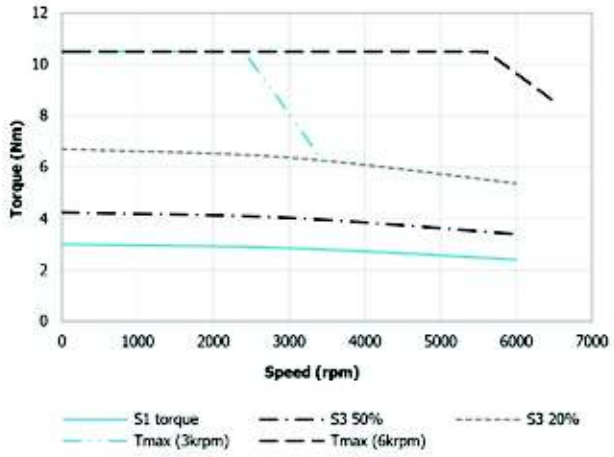
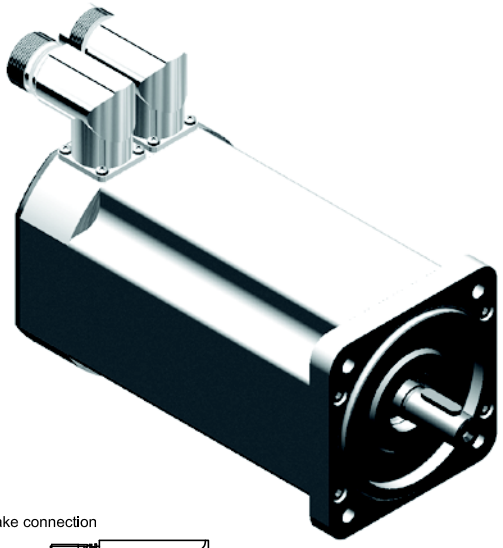
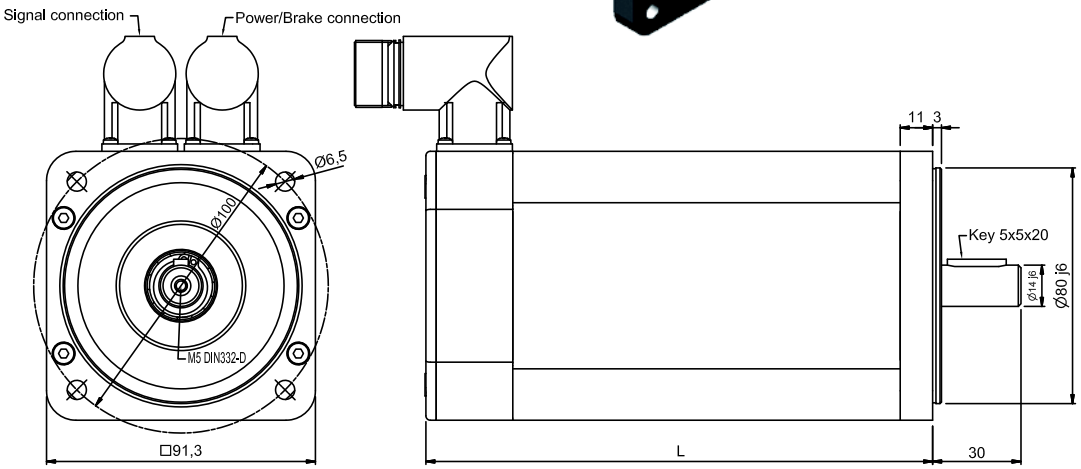


FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (L) Without brake	Length with RESOLVER (L) With brake	Maximum Length with ENCODER (L) Without brake	Maximum Length with ENCODER (L) With brake	Weight Kg Without brake	Weight Kg With brake
B56.E3Q	1.35	122	157	152	187	3.5	4.1
B56.F6Q	2.6	145	180	174	209	4.4	5.0
B56.G5Q	3.5	160	195	189	224	5.0	5.6
B56.H5Q	4.5	180	215	209	244	5.8	6.4

BRAKE DATA

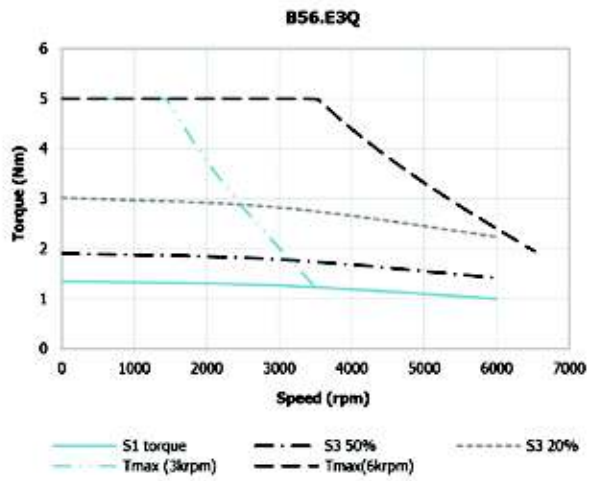
Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	3.2	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	53.2	Ohm
Electrical Power	Pbr	10.8	W
Current	Ibr	0.45	Adc
Additional* Rotor Inertia	Jbr	0.38	kgcm2
Opening (release) time	to max	60	ms
Closing (fall in) time	tc max	10	ms
Additional* Motor weight	mbr	0.6	kg

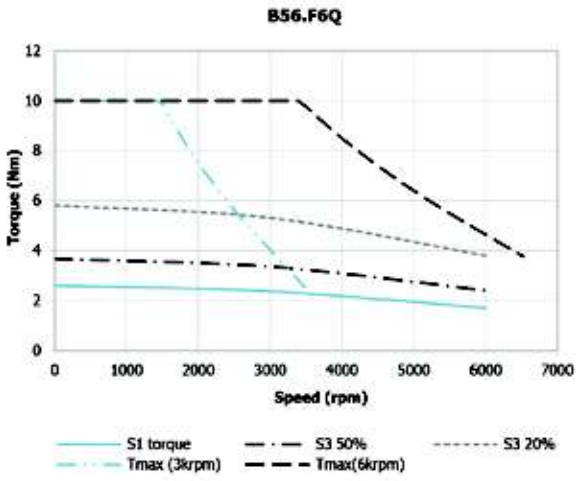
* Additional values are related to the motor data when the brake is mounted on the motor of the respective size, these values differ from the brake data in unmounted condition!

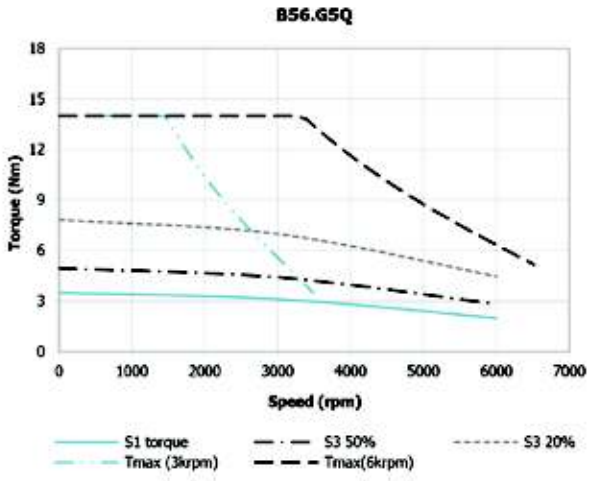
FOR MAINS VOLTAGE
400 V

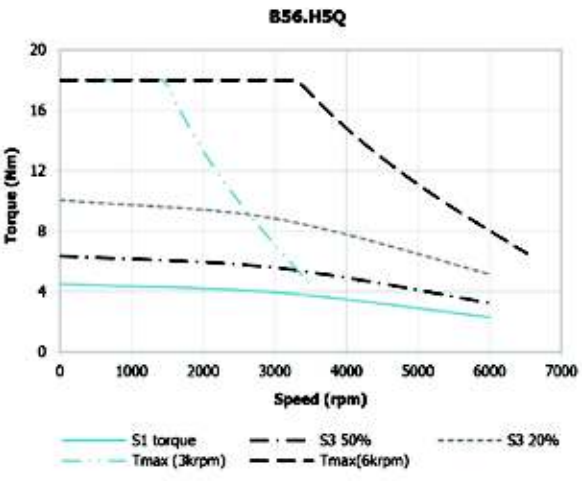
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1}																	
B56.E3Q	1.35	3000	0.4	1.3	5	9000	0.47	106383	31	140	0.94	1.63	37.4	137	296	0.8	0.8
B56.F6Q	2.6	3000	0.8	2.5	10	9000	0.88	113636	34	140	0.94	1.63	15.9	73.7	296	1.6	1.5
B56.G5Q	3.5	3000	1.0	3.1	14	9000	1.09	128440	36	140	0.94	1.63	10.7	54.7	296	2.1	1.9
B56.H5Q	4.5	3000	1.2	3.9	18	9000	1.40	128571	39	140	0.94	1.63	8.0	43.7	296	2.8	2.4
6000 min^{-1}																	
B56.E3Q	1.35	6000	0.6	1.0	5	9000	0.47	106383	31	140	0.47	0.81	9.4	33.8	296	1.7	1.2
B56.F6Q	2.6	6000	1.1	1.7	10	9000	0.88	113636	34	140	0.47	0.81	4.0	18.2	296	3.2	2.1
B56.G5Q	3.5	6000	1.3	2.0	14	9000	1.09	128440	36	140	0.47	0.81	2.7	13.5	296	4.3	2.5
B56.H5Q	4.5	6000	1.4	2.3	18	9000	1.40	128571	39	140	0.47	0.81	2.0	10.8	296	5.6	2.8

FOR MAINS VOLTAGE
400 V

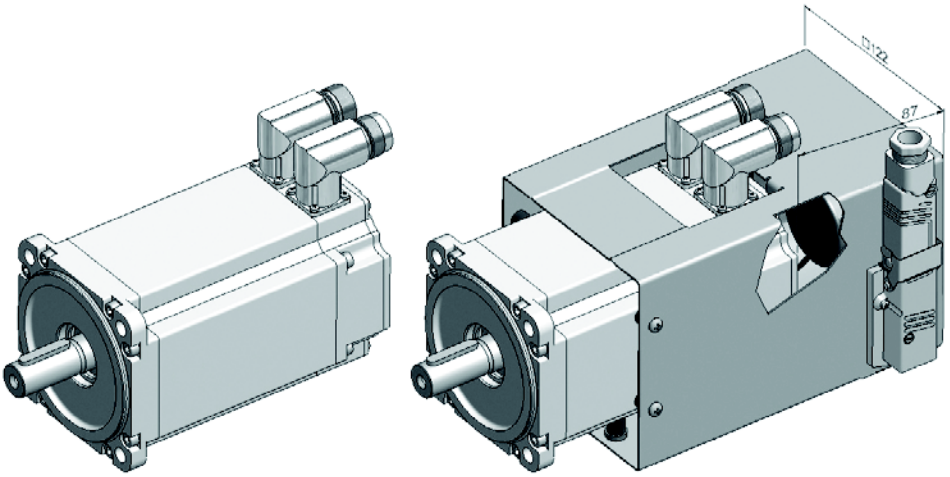


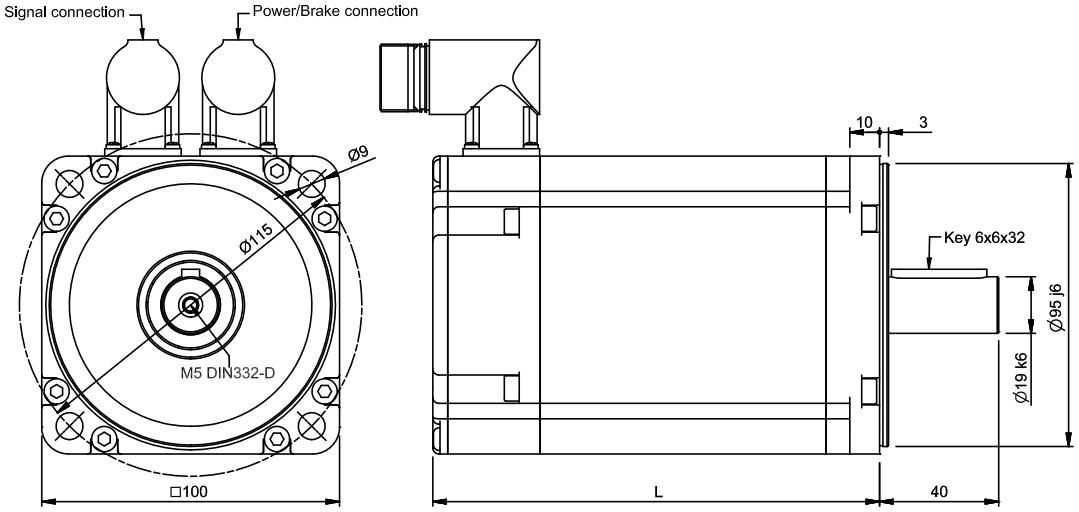






FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (L) Without brake	Length with RESOLVER (L) With brake	Maximum Length with ENCODER (L) Without brake	Maximum Length with ENCODER (L) With brake	Weight Kg Without brake	Weight Kg With brake
B63.04Q	4	150	182	185	217	4.7	5.6
B63.06Q	6	170	202	205	237	5.3	6.1
B63.08Q	8	194	226	229	261	6.2	7.1
B63.10Q	10	214	246	249	281	7.2	8.1

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	7.5	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	32	Ohm
Electrical Power	Pbr	18	W
Current	Ibr	0.75	Adc
Additional* Rotor Inertia	Jbr	0.54	kgcm2
Opening (release) time	to max	40	ms
Closing (fall in) time	tc max	25	ms
Additional* Motor weight	mbr	0.46	kg

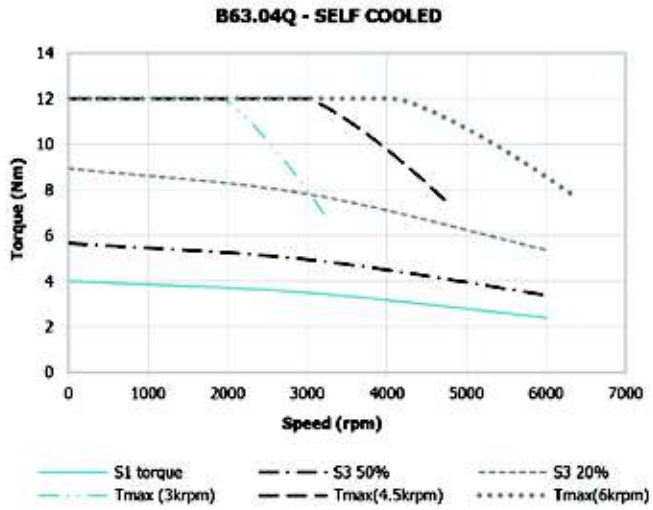
* Additional values are related to the motor data when the brake is mounted to the motor of the respective size, these values differ from the brake data in unmounted condition!

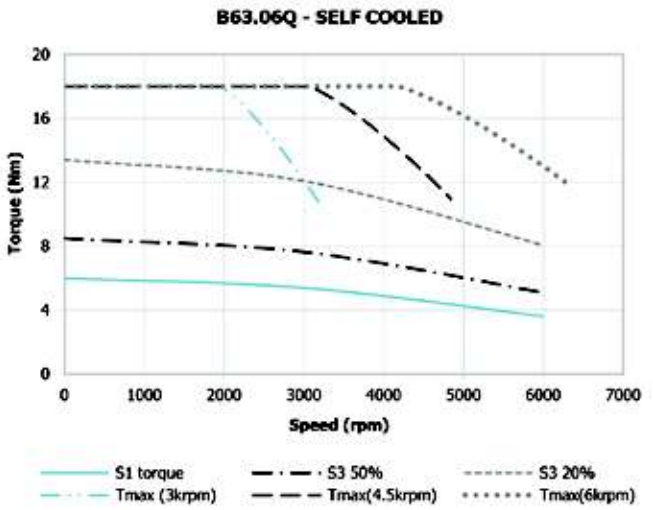
FOR MAINS VOLTAGE
400 V

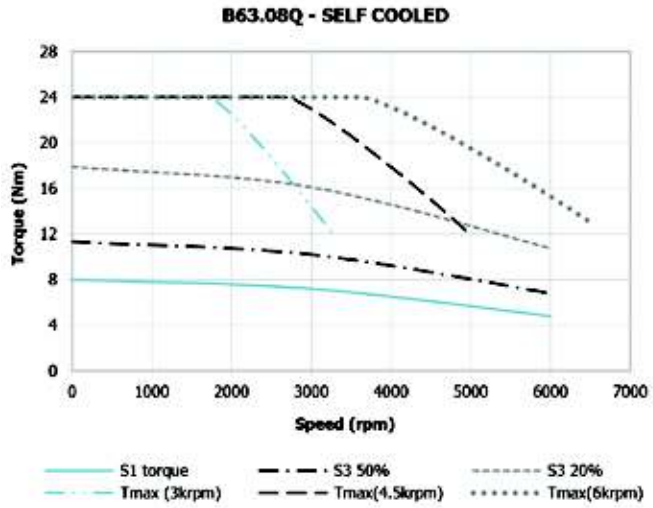
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1} - Self Cooled																	
B63.04Q	4	3000	1.1	3.50	12	9000	1.87	64171	25	140	0.94	1.63	5.40	36.5	296	2.5	2.1
B63.06Q	6	3000	1.6	5.25	18	9000	2.67	67416	30	140	0.94	1.63	3.50	24.0	296	3.7	3.2
B63.08Q	8	3000	2.4	7.50	24	9000	3.47	69164	30	140	0.94	1.63	2.50	21.8	296	4.9	4.6
B63.10Q	10	3000	2.7	8.75	30	9000	4.27	70258	35	140	0.94	1.63	1.90	17.4	296	6.1	5.4
4500 min^{-1} - Self Cooled																	
B63.04Q	4	4500	1.5	3.10	12	9000	1.87	64171	25	140	0.63	1.09	2.40	16.5	296	3.7	2.9
B63.06Q	6	4500	2.2	4.65	18	9000	2.67	67416	30	140	0.63	1.09	1.50	10.8	296	5.5	4.3
B63.08Q	8	4500	2.9	6.20	24	9000	3.47	69164	30	140	0.63	1.09	1.10	9.70	296	7.4	5.7
B63.10Q	10	4500	3.6	7.70	30	9000	4.27	70258	35	140	0.63	1.09	0.90	7.80	296	9.2	7.1
6000 min - Self Cooled																	
B63.04Q	4	6000	1.5	2.40	12	9000	1.87	64171	25	140	0.47	0.81	1.35	9.13	296	4.9	2.9
B63.06Q	6	6000	2.3	3.60	18	9000	2.67	67416	30	140	0.47	0.81	0.88	6.00	296	7.4	4.4
B63.08Q	8	6000	3.0	4.80	24	9000	3.47	69164	30	140	0.47	0.81	0.63	5.45	296	9.8	5.9
B63.10Q	10	6000	3.8	6.00	30	9000	4.27	70258	35	140	0.47	0.81	0.48	4.35	296	12.3	7.4

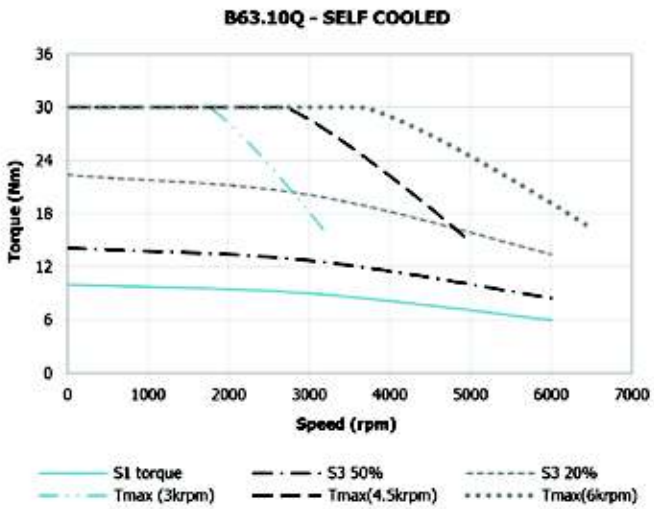
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
3000 min^{-1} - Air Cooled																	
B63.04Q	4.8	3000	1.4	4.4	12	9000	1.87	64171	25	140	0.94	1.63	5.40	36.5	296	2.9	2.7
B63.06Q	7.4	3000	2.1	6.8	18	9000	2.67	67416	30	140	0.94	1.63	3.50	24.0	296	4.5	4.2
B63.08Q	10.1	3000	2.9	9.4	24	9000	3.47	69164	30	140	0.94	1.63	2.50	21.8	296	6.2	5.8
B63.10Q	13.0	3000	3.7	11.8	30	9000	4.27	70258	35	140	0.94	1.63	1.90	17.4	296	8.0	7.2
4500 min^{-1} - Air Cooled																	
B63.04Q	4.8	4500	1.9	4.0	12	9000	1.87	64171	25	140	0.63	1.09	2.40	16.5	296	4.4	3.7
B63.06Q	7.4	4500	2.9	6.2	18	9000	2.67	67416	30	140	0.63	1.09	1.50	10.8	296	6.8	5.7
B63.08Q	10.1	4500	4.0	8.4	24	9000	3.47	69164	30	140	0.63	1.09	1.10	9.70	296	9.3	7.8
B63.10Q	13.0	4500	5.0	10.7	30	9000	4.27	70258	35	140	0.63	1.09	0.90	7.80	296	12.0	9.8
6000 min^{-1} - Air Cooled																	
B63.04Q	4.8	6000	2.1	3.3	12	9000	1.87	64171	25	140	0.47	0.81	1.35	9.13	296	5.9	4.0
B63.06Q	7.4	6000	3.1	5.0	18	9000	2.67	67416	30	140	0.47	0.81	0.88	6.00	296	9.1	6.1
B63.08Q	10.1	6000	4.3	6.8	24	9000	3.47	69164	30	140	0.47	0.81	0.63	5.45	296	12.4	8.4
B63.10Q	13.0	6000	5.5	8.7	30	9000	4.27	70258	35	140	0.47	0.81	0.48	4.35	296	16.0	10.7

FOR MAINS VOLTAGE
400 V

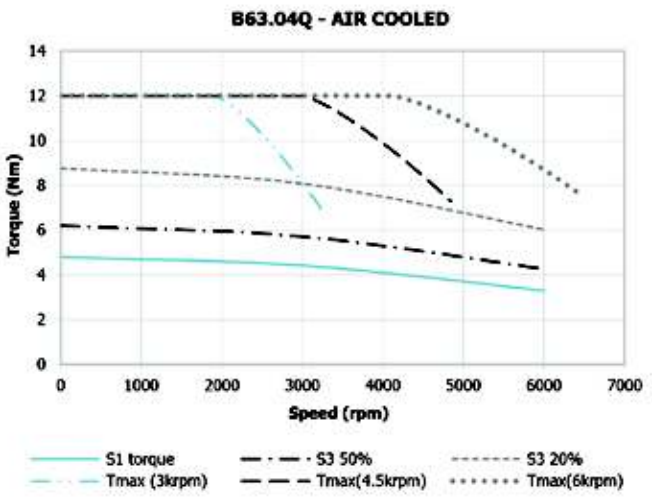


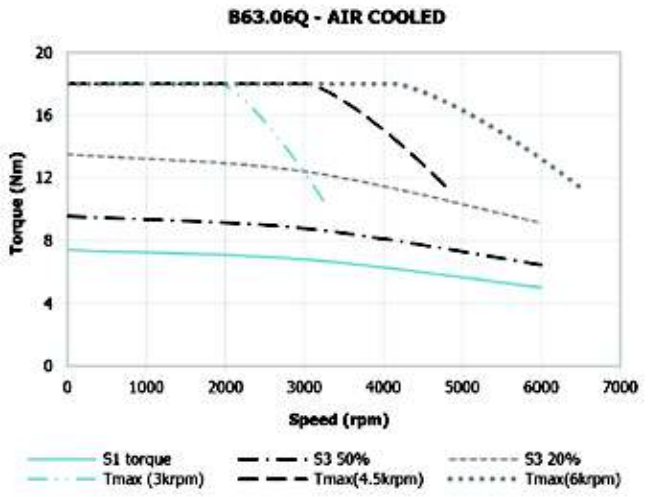


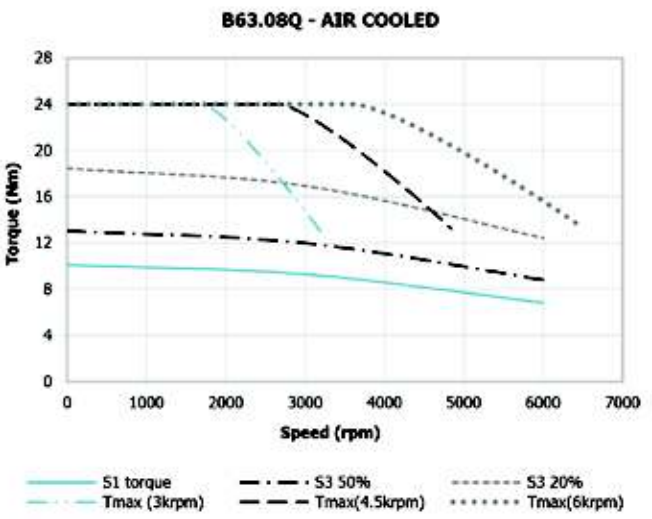


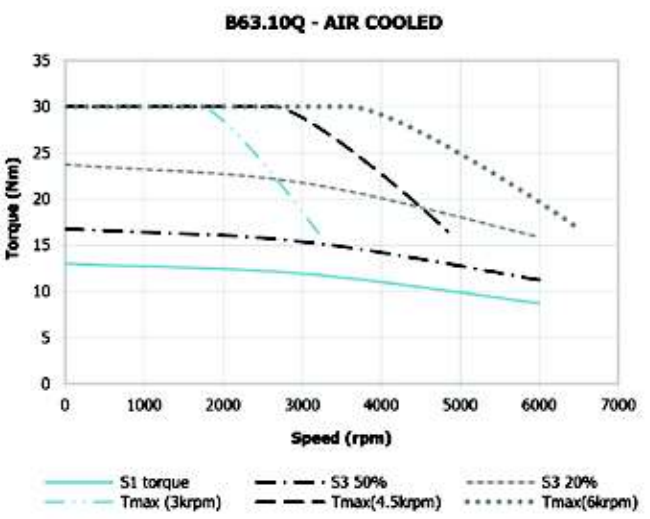


FOR MAINS VOLTAGE
400 V





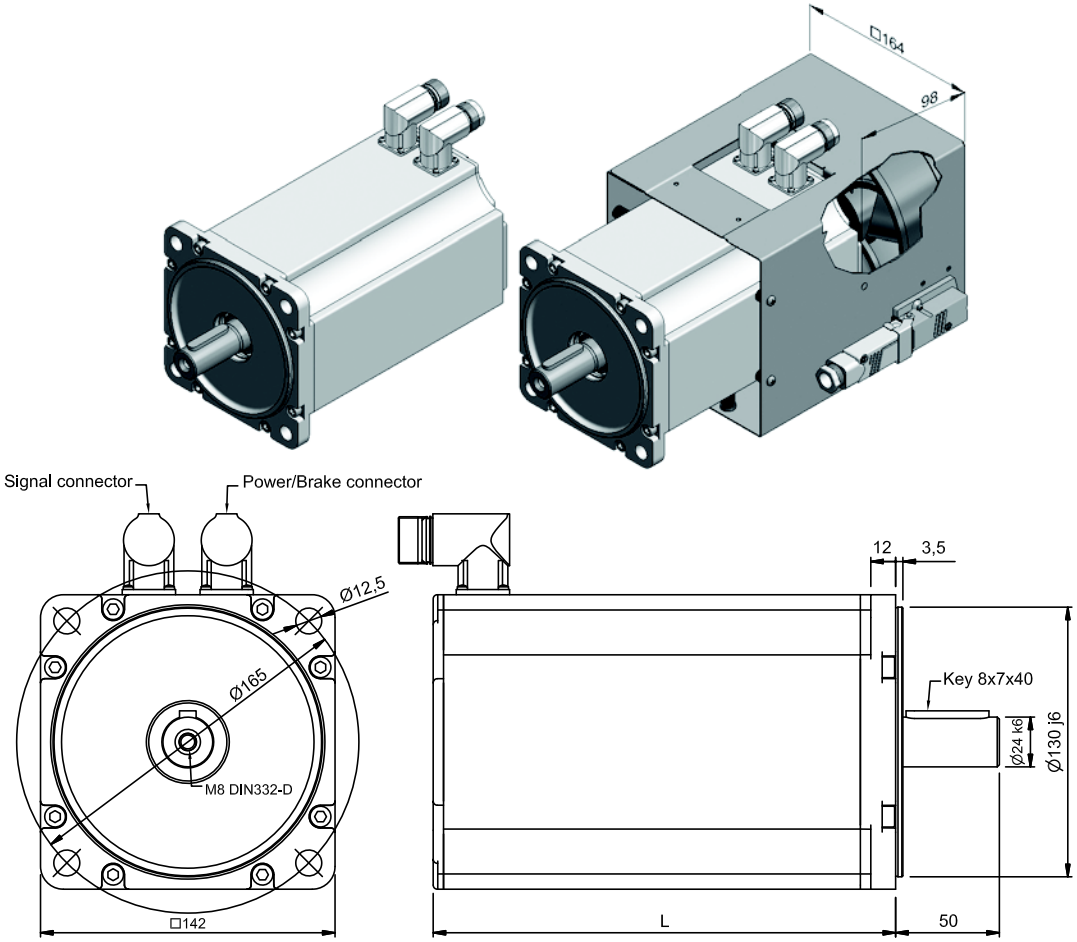




TYPE B71Q - 8 POLES - 4.5 TO 26 Nm

FOR TYPE B71Q - 8 POLES - 29 TO 38 Nm, PLEASE REFER TO PAGE 59

FOR MAINS VOLTAGE 400 V



MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER Without brake	Length with RESOLVER With brake	Maximum Length with ENCODER Without brake	Maximum Length with ENCODER With brake	Weight Kg Without brake	Weight Kg With brake
B71.04Q	4.5	148	183	178	213	7.5	9.5
B71.08Q	9.0	173	208	203	238	9.5	11.5
B71.12Q	12.5	198	228	228	258	11.5	13.5
B71.16Q	16.0	223	253	253	283	13.5	15.5
B71.20Q	20.0	248	273	278	303	15.5	17.5
B71.26Q	26.0	298	318	328	348	19.5	21.5

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	15	Nm
Voltage	Ubr	24	Vdc+/- 10%
Resistance	Rbr	24	Ohm
Electrical Power	Pbr	24	W
Current	Ibr	1.0	Adc
Additional* Rotor Inertia	Jbr	1.66	kgcm²
Opening (release) time	to max	50	ms
Closing (fall in) time	tc max	30	ms
Additional* Motor weight	mbr	1.5	kg

* Additional values are related to the motor data when the brake is mounted to the motor of the respective size, these values differ from the brake data in unmounted condition!

TYPE B71Q - 8 POLES - 4.5 TO 26 Nm

FOR TYPE B71Q - 8 POLES - 29 TO 38 Nm, PLEASE REFER TO PAGE 59

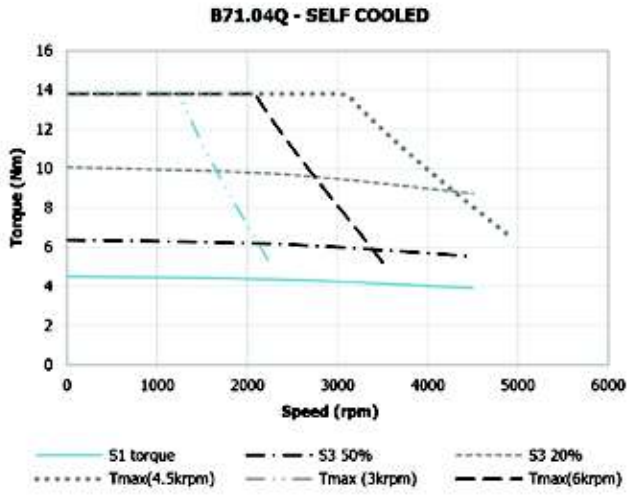
FOR MAINS VOLTAGE
400 V

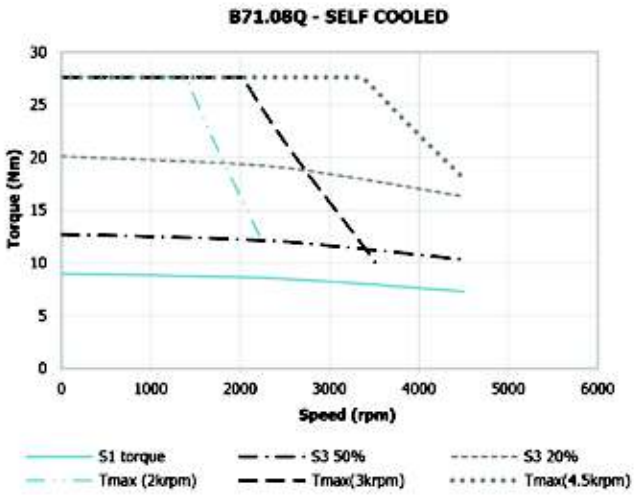
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
2000 min^{-1} - Self Cooled																	
B71.04Q	4.5	2000	0.9	4.2	13.8	9000	3.6	38122	33	140	1.41	2.44	11.3	99.0	296	1.8	1.7
B71.08Q	9.0	2000	1.7	8.1	27.6	9000	6.0	45695	37	140	1.41	2.44	4.03	44.4	296	3.7	3.3
B71.12Q	12.5	2000	2.5	11.8	41.4	9000	8.2	50488	40	140	1.41	2.44	2.51	24.5	296	5.1	4.8
B71.16Q	16.0	2000	3.2	15.1	55.2	9000	10.7	51589	43	140	1.41	2.44	1.73	20.9	296	6.5	6.2
B71.20Q	20.0	2000	3.9	18.5	69.0	9000	13.1	52672	46	140	1.41	2.44	1.18	14.2	296	8.2	7.6
B71.26Q	26.0	2000	4.7	22.4	96.6	9000	18.4	52500	49	140	1.41	2.44	0.91	11.2	296	10.6	9.2
3000 min^{-1} - Self Cooled																	
B71.04Q	4.5	3000	1.3	4.0	13.8	9000	3.6	38122	33	140	0.94	1.63	5.13	40.3	296	2.8	2.5
B71.08Q	9.0	3000	2.4	7.7	27.6	9000	6.0	45695	37	140	0.94	1.63	2.16	21.5	296	5.5	4.7
B71.12Q	12.5	3000	3.6	11.6	41.4	9000	8.2	50488	40	140	0.94	1.63	1.13	12.5	296	7.7	7.1
B71.16Q	16.0	3000	4.4	13.9	55.2	9000	10.7	51589	43	140	0.94	1.63	0.75	8.2	296	9.8	8.5
B71.20Q	20.0	3000	5.5	17.5	69.0	9000	13.1	52672	46	140	0.94	1.63	0.56	6.3	296	12.3	10.7
B71.26Q	26.0	3000	5.9	18.9	96.6	9000	18.4	52500	49	140	0.94	1.63	0.41	5.0	296	16.0	11.6
4500 min^{-1} - Self Cooled																	
B71.04Q	4.5	4500	1.8	3.9	13.8	9000	3.6	38122	33	140	0.63	1.09	2.22	19.3	296	4.1	3.6
B71.08Q	9.0	4500	3.4	7.3	27.6	9000	6.0	45695	37	140	0.63	1.09	0.79	8.7	296	8.3	6.7
B71.12Q	12.5	4500	4.5	9.5	41.4	9000	8.2	50488	40	140	0.63	1.09	0.51	5.0	296	11.5	8.7
B71.16Q	16.0	4500	6.0	12.7	55.2	9000	10.7	51589	43	140	0.63	1.09	0.34	4.1	296	14.7	11.7
B71.20Q	20.0	4500	6.9	14.6	69.0	9000	13.1	52672	46	140	0.63	1.09	0.26	3.2	296	18.4	13.4
B71.26Q	26.0	4500	6.9	14.7	96.6	9000	18.4	52500	49	140	0.63	1.09	0.19	2.4	296	23.9	13.5

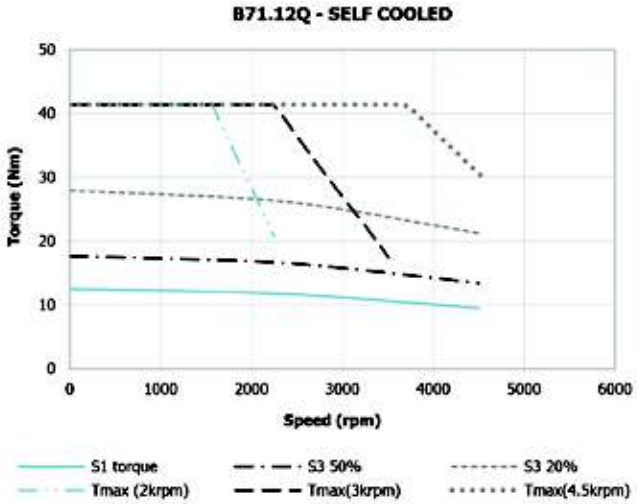
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current
	M_o	n	P_n	M_n	M_{pk}	n_{max}	J	a_{pk}	T_{th}	ϑ_{max}	k_e	k_t	R_w	L_w	E_n	I_o	I_n
	Nm	1/min	kW	Nm	Nm	rpm	10^{-4} Kgm^2	rad/sec^2	min	°C	Vs	Nm/A	Ω	mH	Vrms	Arms	Arms
2000 min^{-1} - Air Cooled																	
B71.04Q	6.0	2000	1.2	5.6	13.8	9000	3.6	38122	33	140	1.41	2.44	11.3	99.0	296	2.5	2.3
B71.08Q	12.0	2000	2.3	11.0	27.6	9000	6.0	45695	37	140	1.41	2.44	4.03	44.4	296	4.9	4.5
B71.12Q	17.0	2000	3.3	15.8	41.4	9000	8.2	50488	40	140	1.41	2.44	2.51	24.5	296	7.0	6.5
B71.16Q	22.0	2000	4.3	20.5	55.2	9000	10.7	51589	43	140	1.41	2.44	1.73	20.9	296	9.0	8.4
B71.20Q	27.5	2000	5.3	25.5	69.0	9000	13.1	52672	46	140	1.41	2.44	1.18	14.2	296	11.3	10.4
B71.26Q	35.5	2000	7.0	33.5	96.6	9000	18.4	52500	49	140	1.41	2.44	0.91	11.2	296	14.5	13.7
3000 min^{-1} - Air Cooled																	
B71.04Q	6.0	3000	1.7	5.3	13.8	9000	3.6	38122	33	140	0.94	1.63	5.13	40.3	296	3.7	3.3
B71.08Q	12.0	3000	3.3	10.5	27.6	9000	6.0	45695	37	140	0.94	1.63	2.16	21.5	296	7.4	6.4
B71.12Q	17.0	3000	4.7	15.0	41.4	9000	8.2	50488	40	140	0.94	1.63	1.13	12.5	296	10.4	9.2
B71.16Q	22.0	3000	6.1	19.5	55.2	9000	10.7	51589	43	140	0.94	1.63	0.75	8.2	296	13.5	12.0
B71.20Q	27.5	3000	7.7	24.5	69.0	9000	13.1	52672	46	140	0.94	1.63	0.56	6.3	296	16.9	15.0
B71.26Q	35.5	3000	10.1	32.0	96.6	9000	18.4	52500	49	140	0.94	1.63	0.41	5.0	296	21.8	19.7
4500 min^{-1} - Air Cooled																	
B71.04Q	6.0	4500	2.3	4.8	13.8	9000	3.6	38122	33	140	0.63	1.09	2.22	19.3	296	5.5	4.4
B71.08Q	12.0	4500	4.5	9.5	27.6	9000	6.0	45695	37	140	0.63	1.09	0.79	8.7	296	11.0	8.7
B71.12Q	17.0	4500	6.3	13.3	41.4	9000	8.2	50488	40	140	0.63	1.09	0.51	5.0	296	15.6	12.2
B71.16Q	22.0	4500	8.0	17.0	55.2	9000	10.7	51589	43	140	0.63	1.09	0.34	4.1	296	20.2	15.6
B71.20Q	27.5	4500	10.1	21.5	69.0	9000	13.1	52672	46	140	0.63	1.09	0.26	3.2	296	25.3	19.8
B71.26Q	32.7	4500	13.0	27.5	96.6	9000	18.4	52500	49	140	0.63	1.09	0.19	2.4	296	30.0	25.3

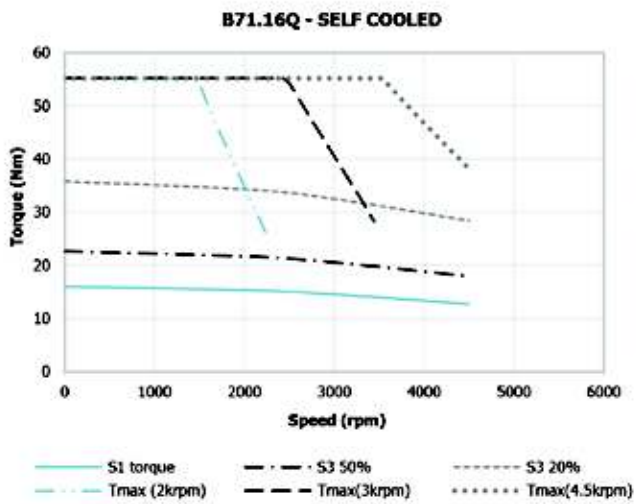
FOR TYPE B71Q - 8 POLES - 29 TO 38 Nm, PLEASE REFER TO PAGE 59

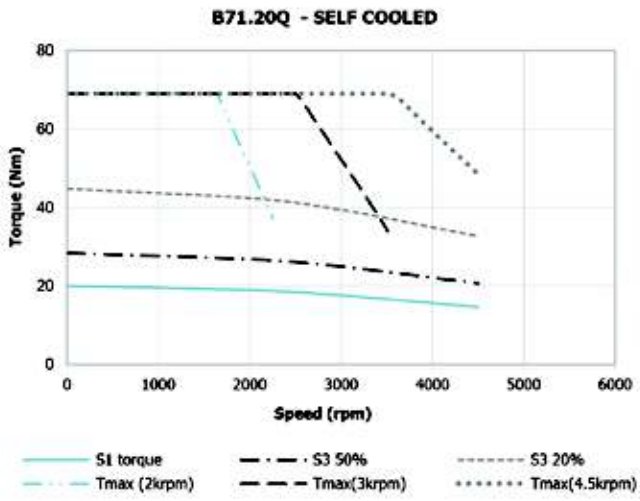
FOR MAINS VOLTAGE
400 V

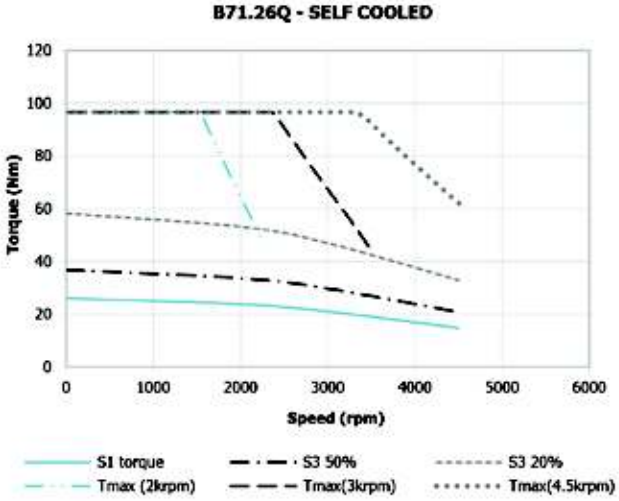








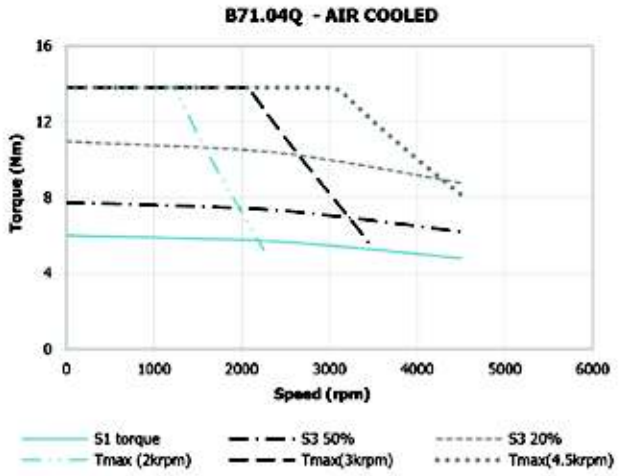


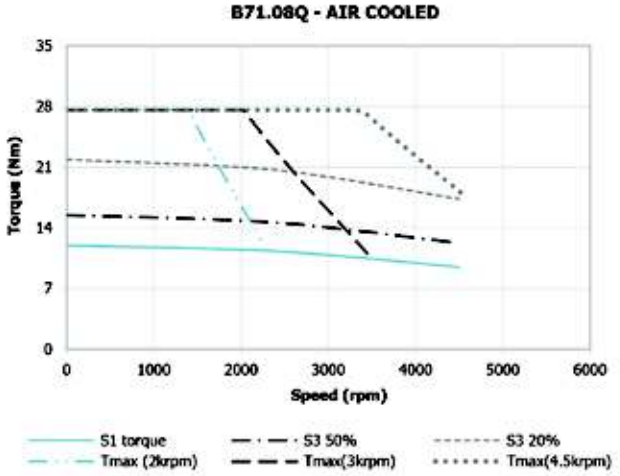


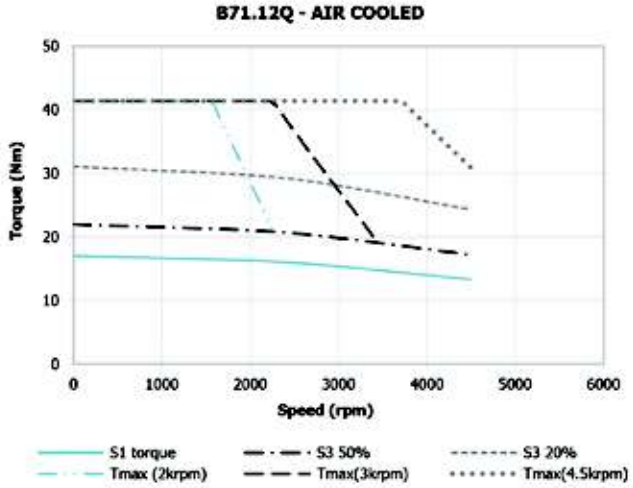
TYPE B71Q - 8 POLES - 4.5 TO 26 Nm

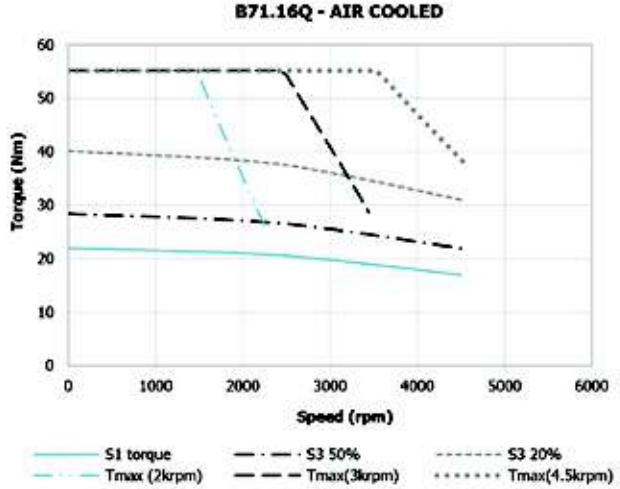
FOR TYPE B71Q - 8 POLES - 29 TO 38 Nm, PLEASE REFER TO PAGE 59

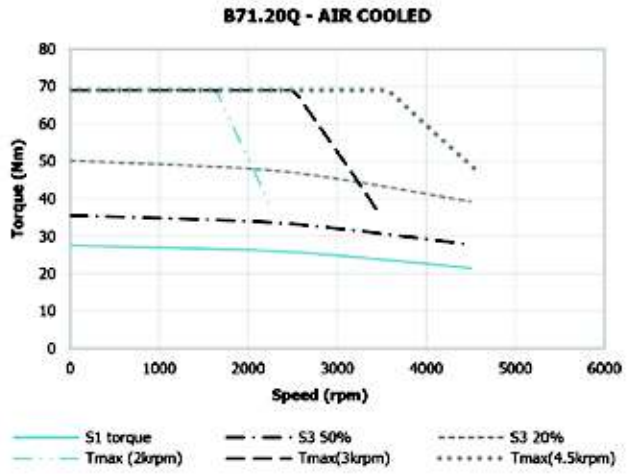
FOR MAINS VOLTAGE
400 V

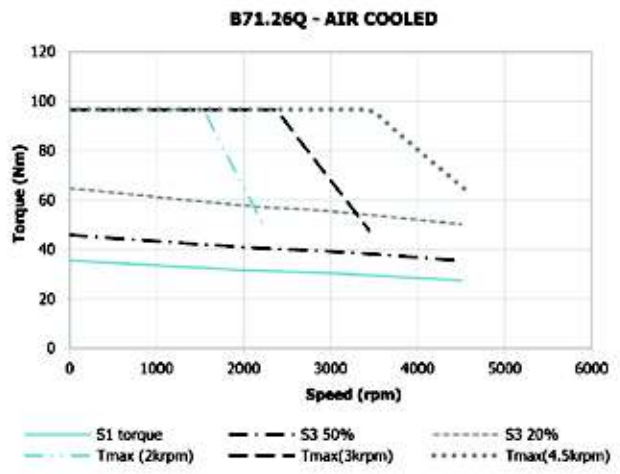








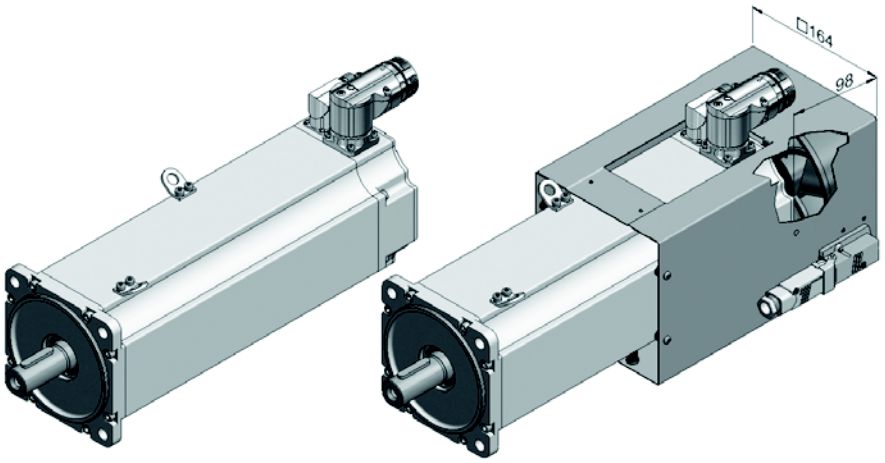


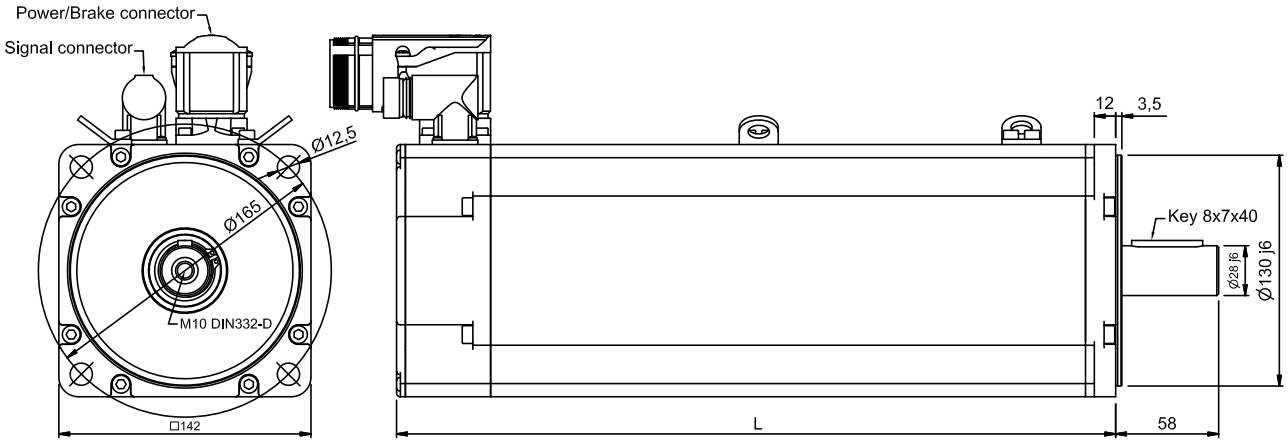


TYPE B71Q - 8 POLES - 29 TO 38 Nm

FOR TYPE B71Q - 8 POLES - 4.5 TO 26 Nm, PLEASE REFER TO PAGE 55

FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (**) Without brake	Length with RESOLVER (**) With brake	Maximum Length with ENCODER Without brake	Maximum Length with ENCODER With brake	Weight Kg Without brake	Weight Kg With brake
B71.29Q	29	338	373	368	403	22.5	24.5
B71.32Q	32	360	395	390	425	24.8	26.8
B71.35Q	35	383	418	413	448	27.1	29.1
B71.38Q	38	405	440	435	470	29.4	31.4

** Motor with resolver which needs size 1,5 power connector, have the same length of the motor with encoder

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	24	Nm
Voltage	Ubr	24	Vdc+/- 10%
Resistance	Rbr	30	Ohm
Electrical Power	Pbr	19	W
Current	Ibr	0.8	Adc
Additional* Rotor Inertia	Jbr	3.6	kgcm²
Opening (release) time	to max	50	ms
Closing (fall in) time	tc max	25	ms
Additional* Motor weight	mbr	1	kg

* Additional values are related to the motor data when the brake is mounted to the motor of the respective size, these values differ from the brake data in unmounted condition!

TYPE B71Q - 8 POLES - 29 TO 38 Nm

FOR TYPE B71Q - 8 POLES - 4.5 TO 26 Nm, PLEASE REFER TO PAGE 55

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Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20° C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current	Power Connector Size
	M_o Nm	n 1/min	P_n kW	M_n Nm	M_{pk} Nm	n_{max} rpm	J 10^{-4} Kgm^2	a_{pk} rad/sec^2	T_{th} min	ϑ_{max} ° C	k_e Vs	k_t Nm/A	R_w Ω	L_w mH	E_n Vrms	I_o Arms	I_n Arms	
2000 min^{-1} - Self Cooled																		
B71.29Q	29	2000	5.0	23.9	110.4	9000	20.6	53592	51	140	1.41	2.44	0.78	9.7	296	11.9	9.8	1
B71.32Q	32	2000	5.3	25.5	124.2	9000	23.0	54000	52	140	1.41	2.44	0.70	8.7	296	13.1	10.4	1
B71.35Q	35	2000	5.6	26.7	138.0	9000	25.5	54118	53	140	1.41	2.44	0.62	7.8	296	14.3	10.9	1
B71.38Q	38	2000	5.9	28.0	151.0	9000	28.0	53929	55	140	1.41	2.44	0.54	6.8	296	15.6	11.5	1
3000 min^{-1} - Self Cooled																		
B71.29Q	29	3000	6.4	20.3	110.4	9000	20.6	53592	51	140	0.94	1.63	0.34	4.3	296	17.8	12.5	1
B71.32Q	32	3000	6.8	21.8	124.2	9000	23.0	54000	52	140	0.94	1.63	0.31	3.9	296	19.6	13.4	1
B71.35Q	35	3000	7.2	23.0	138.0	9000	25.5	54118	53	140	0.94	1.63	0.28	3.6	296	21.5	14.1	1
B71.38Q	38	3000	7.6	24.1	151.0	9000	28.0	53929	55	140	0.94	1.63	0.26	3.2	296	23.3	14.8	1
4500 min^{-1}- Self Cooled																		
B71.29Q	29	4500	7.2	15.3	110.4	9000	20.6	53592	51	140	0.63	1.09	0.16	2.0	296	26.7	14.1	1
B71.32Q	32	4500	7.5	16.0	124.2	9000	23.0	54000	52	140	0.63	1.09	0.14	1.8	296	29.5	14.7	1
B71.35Q	35	4500	7.7	16.4	138.0	9000	25.5	54118	53	140	0.63	1.09	0.13	1.6	296	32.2	15.1	1.5
B71.38Q	38	4500	7.9	16.8	151.0	9000	28.0	53929	55	140	0.63	1.09	0.11	1.4	296	35.0	15.5	1.5

Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20° C)	Inductance phase to phase	B.E.M.F. at rated speed	Stall current	Rated current	Power Connector Size
	M_o Nm	n 1/min	P_n kW	M_n Nm	M_{pk} Nm	n_{max} rpm	J 10^{-4} Kgm^2	a_{pk} rad/sec^2	T_{th} min	ϑ_{max} ° C	k_e Vs	k_t Nm/A	R_w Ω	L_w mH	E_n Vrms	I_o Arms	I_n Arms	
2000 min^{-1} - Air Cooled																		
B71.29Q	40	2000	8.2	39.2	110.4	9000	20.6	53592	51	140	1.41	2.44	0.78	9.7	296	16.4	16.1	1
B71.32Q	44	2000	8.9	42.6	124.2	9000	23.0	54000	52	140	1.41	2.44	0.70	8.7	296	18.0	17.4	1
B71.35Q	48	2000	9.7	46.1	138.0	9000	25.5	54118	53	140	1.41	2.44	0.62	7.8	296	19.7	18.9	1
B71.38Q	52	2000	10.4	49.7	151.0	9000	28.0	53929	55	140	1.41	2.44	0.54	6.8	296	21.3	20.4	1
3000 min^{-1} - Air Cooled																		
B71.29Q	40	3000	11.4	36.3	110.4	9000	20.6	53592	51	140	0.94	1.63	0.34	4.3	296	24.6	22.3	1
B71.32Q	44	3000	12.6	40.0	124.2	9000	23.0	54000	52	140	0.94	1.63	0.31	3.9	296	27.0	24.6	1
B71.35Q	48	3000	13.8	43.9	138.0	9000	25.5	54118	53	140	0.94	1.63	0.28	3.6	296	29.5	27.0	1
B71.38Q	52	3000	15.0	47.9	151.0	9000	28.0	53929	55	140	0.94	1.63	0.26	3.2	296	31.9	29.4	1.5
4500 min^{-1}- Air Cooled																		
B71.29Q	40	4500	14.5	30.7	110.4	9000	20.6	53592	51	140	0.63	1.09	0.16	2.0	296	36.8	28.3	1
B71.32Q	44	4500	15.6	33.2	124.2	9000	23.0	54000	52	140	0.63	1.09	0.14	1.8	296	40.5	30.6	1.5
B71.35Q	48	4500	16.9	35.8	138.0	9000	25.5	54118	53	140	0.63	1.09	0.13	1.6	296	44.2	32.9	1.5
B71.38Q	52	4500	18.1	38.4	151.0	9000	28.0	53929	55	140	0.63	1.09	0.11	1.4	296	47.9	35.3	1.5

TYPE B71Q - 8 POLES - 29 TO 38 Nm

FOR TYPE B71Q - 8 POLES - 4.5 TO 26 Nm, PLEASE REFER TO PAGE 55

FOR MAINS VOLTAGE
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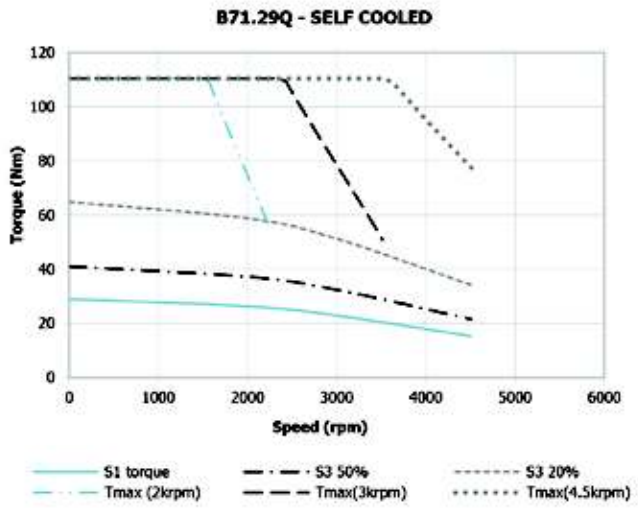

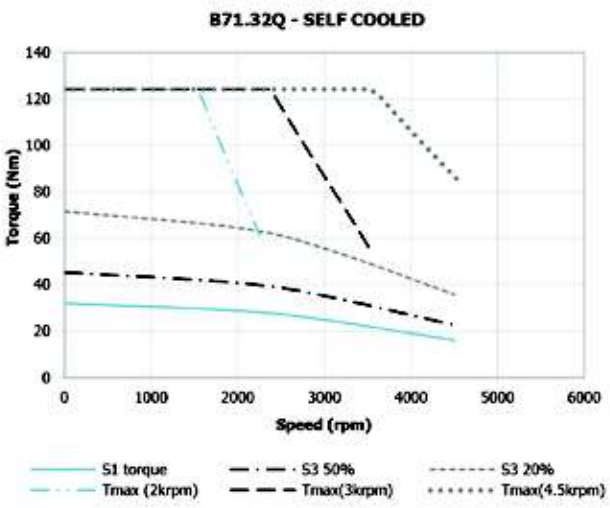

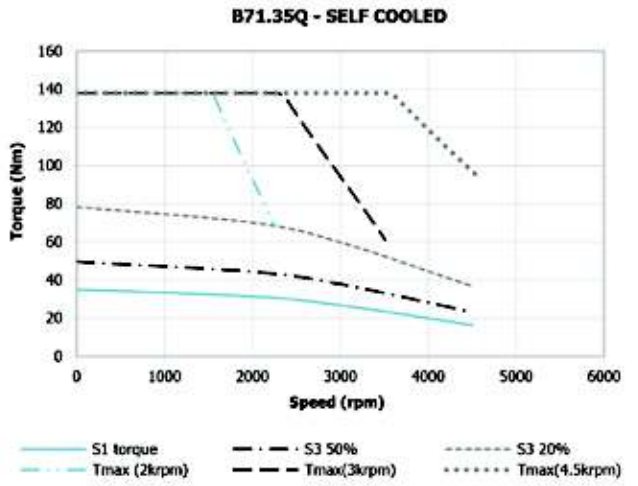

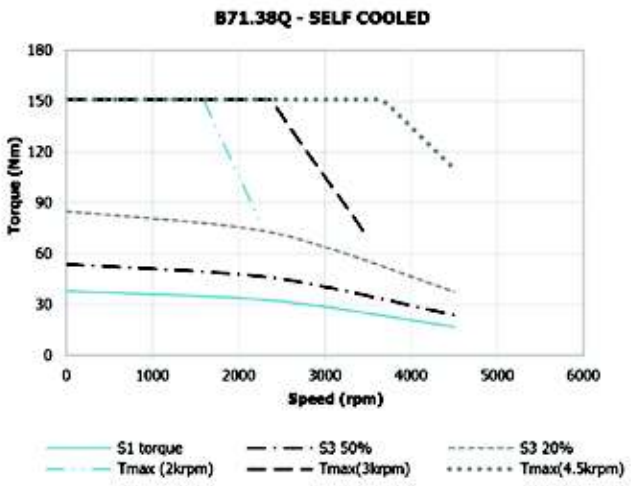

TYPE B71Q - 8 POLES - 29 TO 38 Nm

FOR TYPE B71Q - 8 POLES - 4.5 TO 26 Nm, PLEASE REFER TO PAGE 55

FOR MAINS VOLTAGE
400 V