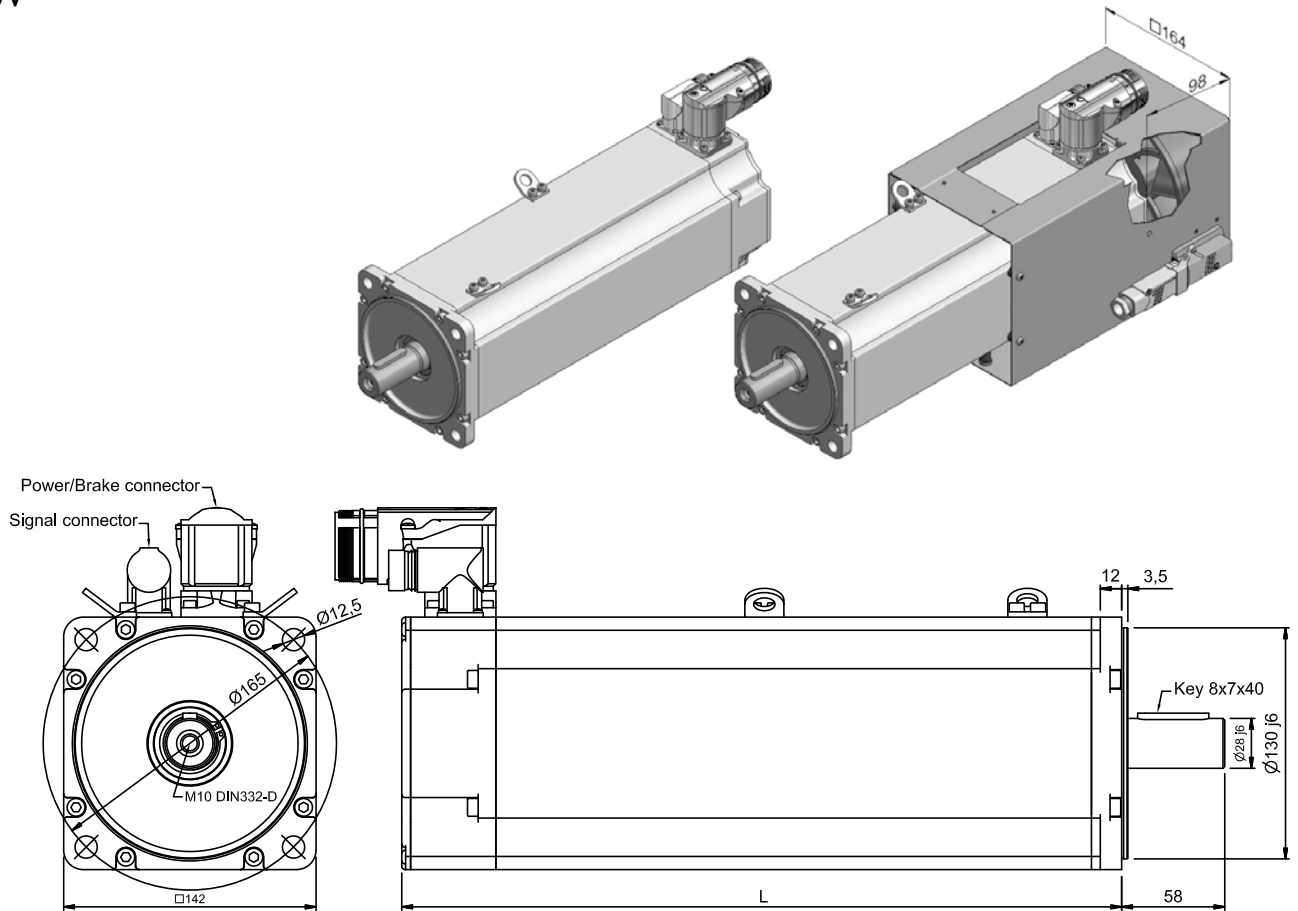


TYPE B71Q - 8 POLES - 29 TO 38 Nm

FOR TYPE B71Q - 8 POLES - 4.5 TO 26 Nm, PLEASE REFER TO PAGE 60

FOR MAINS VOLTAGE
400 V



MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (**)		Maximum Length with ENCODER		Weight Kg	
		Without brake	With brake	Without brake	With brake	Without brake	With brake
B71.29Q	29	338	373	349	384	22.5	24.5
B71.32Q	32	360	395	371	406	24.8	26.8
B71.35Q	35	383	418	394	429	27.1	29.1
B71.38Q	38	405	440	416	451	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	kgcm ²
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 60

FOR MAINS VOLTAGE 400 V

Type	Stall torque ($\Delta t=105^{\circ}\text{C}$)	Rated speed	Rated power	Rated torque ($\Delta t=105^{\circ}\text{C}$)	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_0	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_0	I_n	
	Nm	1/min	kW	Nm	Nm	rpm	$10^{-4}\text{ Kg}\cdot\text{m}^2$	rad/sec ²	min	$^{\circ}\text{C}$	Vs	Nm/A	Ω	mH	Vrms	Arms	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	1.5
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 ($\Delta t=105^{\circ}\text{C}$)	Rated speed	Rated power	Rated torque ($\Delta t=105^{\circ}\text{C}$)	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_0	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_0	I_n	
	Nm	1/min	kW	Nm	Nm	rpm	$10^{-4}\text{ Kg}\cdot\text{m}^2$	rad/sec ²	min	$^{\circ}\text{C}$	Vs	Nm/A	Ω	mH	Vrms	Arms	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	1.5
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	1.5
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