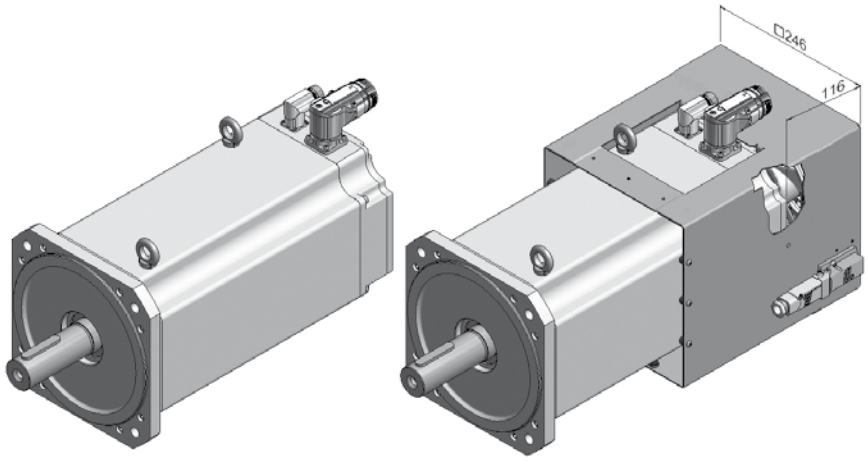
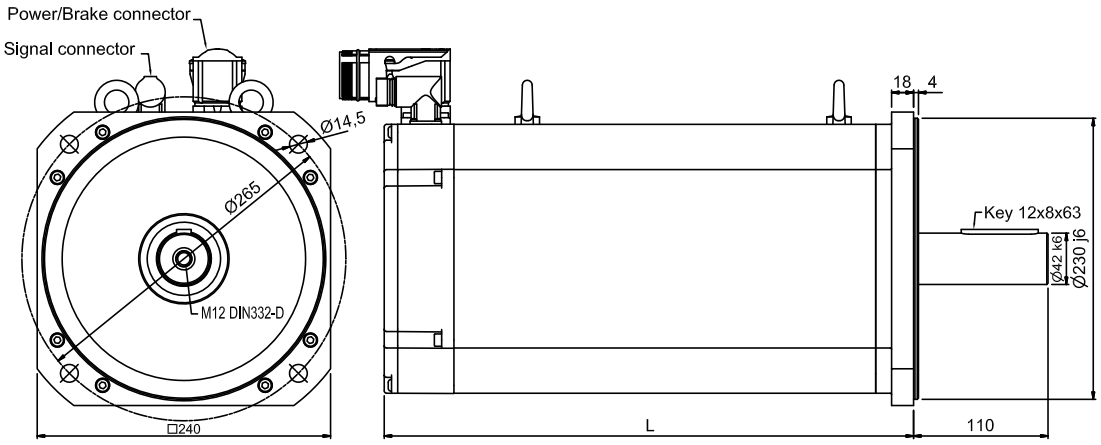
TYPE B132I - 6 POLES - 81 TO 120 Nm

FOR TYPE B132I - 6 POLES - 42 TO 73 Nm, PLEASE REFER TO PAGE 75

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
B13.81I	81	403	453	431	481	67.0	74.0
B13.98I	98	443	493	471	521	76.0	83.0
B13.C2I	120	503	553	531	581	92.0	99.0

BRAKE DATA

Brake data	Symbol	Data	Unit
Holding torque 20°C	Mbr	145	Nm
Voltage	Ubr	24	Vdc +/- 10%
Resistance	Rbr	12.3	Ohm
Electrical Power	Pbr	50	W
Current	Ibr	2.08	Adc
Additional* Rotor Inertia	Jbr	52.87	kgcm2
Opening (release) time	to max	190	ms
Closing (fall in) time	tc max	12	ms
Additional* Motor weight	mbr	5.35	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 B132I - 6 POLES - 81 TO 120 Nm

FOR TYPE B132I - 6 POLES - 42 TO 73 Nm, PLEASE REFER TO PAGE 75

FOR MAINS VOLTAGE
400 V

Type	Stall torque (Δt=105°C)	Rated speed	Output rated speed	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
1500 min^{-1} - Self Cooled																	
B13.81I	81	1500	10.2	65.0	231	3600	126	18333	70	140	1.88	3.26	0.39	11.5	296	24.8	19.9
B13.98I	98	1500	12.2	77.5	280	3600	150	18667	80	140	1.88	3.26	0.33	9.4	296	30.1	23.8
B13.C2I	120	1500	14.8	94.5	345	3600	192	17969	90	140	1.88	3.26	0.20	6.1	296	36.8	29.0
2000 min^{-1} - Self Cooled																	
B13.81I	81	2000	12.6	60.0	231	3600	126	18333	70	140	1.41	2.44	0.22	6.5	296	33.1	24.6
B13.98I	98	2000	15.2	72.5	280	3600	150	18667	80	140	1.41	2.44	0.17	4.9	296	40.1	29.7
B13.C2I	120	2000	17.9	85.5	345	3600	192	17969	90	140	1.41	2.44	0.12	3.9	296	49.1	35.0
3000 min^{-1} - Self Cooled																	
B13.81I	81	3000	16.8	53.5	231	3600	126	18333	70	140	0.94	1.63	0.10	2.9	296	49.7	32.8
B13.98I	98	3000	19.0	60.5	280	3600	150	18667	80	140	0.94	1.63	0.08	2.2	296	60.1	37.1
B13.C2I	120	3000	21.0	67.0	345	3600	192	17969	90	140	0.94	1.63	0.05	1.7	296	73.6	41.1

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
1500 min^{-1} - Air Cooled																	
B13.81I	116	1500	17.1	109.0	231	3600	126	18333	70	140	1.88	3.26	0.39	11.5	296	35.6	33.4
B13.98I	136	1500	19.6	125.0	280	3600	150	18667	80	140	1.88	3.26	0.33	9.4	296	41.7	38.3
B13.C2I	162	1500	22.3	142.0	345	3600	192	17969	90	140	1.88	3.26	0.20	6.1	296	49.7	43.6
2000 min^{-1} - Air Cooled																	
B13.81I	116	2000	22.0	105.0	231	3600	126	18333	70	140	1.41	2.44	0.22	6.5	296	47.5	43.0
B13.98I	136	2000	25.1	120.0	280	3600	150	18667	80	140	1.41	2.44	0.17	4.9	296	55.6	49.1
B13.C2I	162	2000	28.3	135.0	345	3600	192	17969	90	140	1.41	2.44	0.12	3.9	296	66.3	55.2
3000 min^{-1} - Air Cooled																	
B13.81I	116	3000	29.8	95.0	231	3600	126	18333	70	140	0.94	1.63	0.10	2.9	296	71.2	58.3