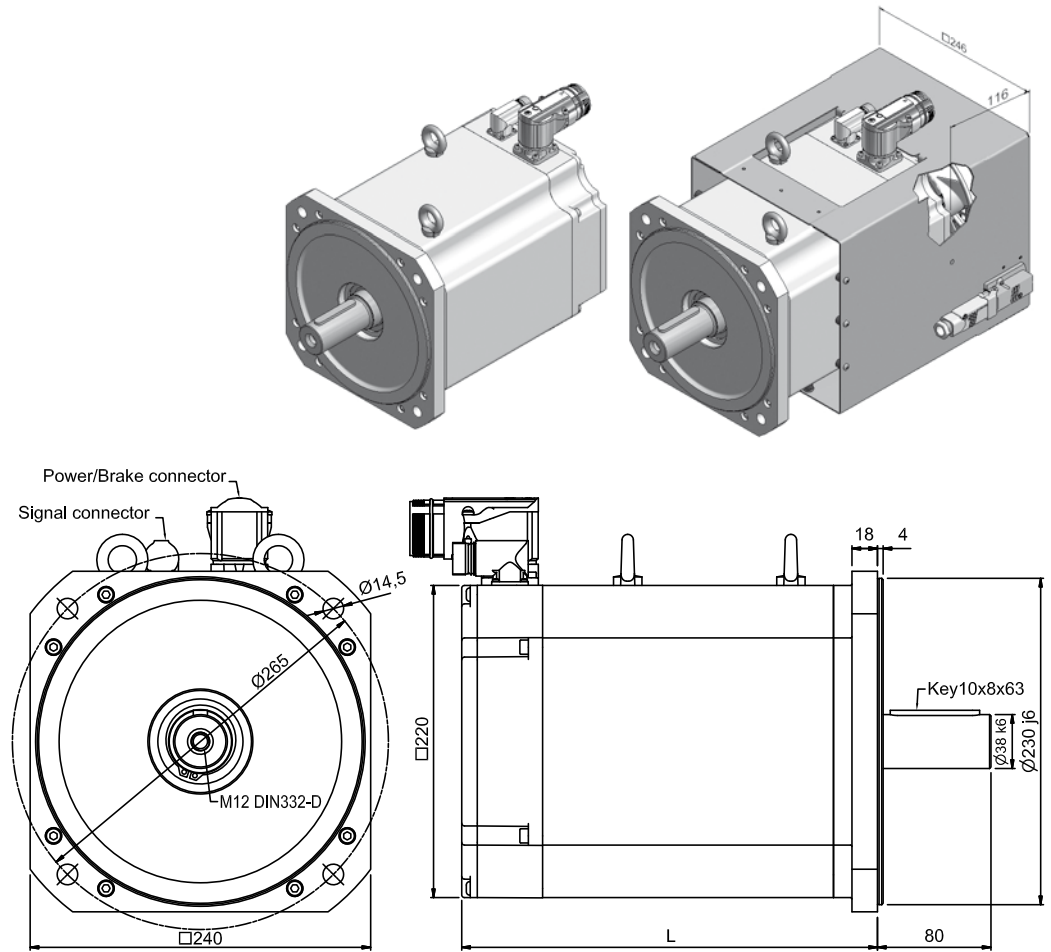


TYPE B132I - 6 POLES - 42 TO 73 Nm

FOR TYPE B132I - 6 POLES - 81 TO 120 Nm, PLEASE REFER TO PAGE 78

FOR MAINS VOLTAGE
400 V



MECHANICAL DATA

Type	Torque Nm	Length with RESOLVER (L)		Maximum Length with ENCODER (L)		Weight Kg	
		Without brake	With brake	Without brake	With brake	Without brake	With brake
B13.42I	42	303	353	331	381	48.0	55.0
B13.58I	58	343	393	371	421	55.0	62.0
B13.73I	73	383	433	411	461	62.0	69.0

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	kgcm ²
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 - 42 TO 73 Nm

FOR TYPE B132I - 6 POLES - 81 TO 120 Nm, PLEASE REFER TO PAGE 78

FOR MAINS VOLTAGE 400 V

Type	Stall torque ($\Delta t=105^{\circ}\text{C}$) M_o Nm	Rated speed n 1/min	Rated power P_n kW	Rated torque ($\Delta t=105^{\circ}\text{C}$) M_n Nm	Peak torque M_{pk} Nm	Maximum speed n_{max} rpm	Moment of inertia J 10^{-4} Kg m^2	Peak torque acceleration a_{pk} rad/sec 2	Thermal time constant T_{th} min	Thermal protection threshold ϑ_{max} $^{\circ}\text{C}$	Voltage constant k_e Vs	Torque constant k_t Nm/A	Resistance phase to phase (20 $^{\circ}\text{C}$) R_w Ω	Inductance phase to phase L_w mH	B.E.M.F. at rated speed E_n Vrms	Stall current I_o Arms	Rated current I_n Arms
1500 min$^{-1}$ - Self Cooled																	
B13.42I	42	1500	5.6	35.5	120	3600	65	18462	50	140	1.88	3.26	0.90	16.9	296	12.9	10.9
B13.58I	58	1500	7.4	47.0	162	3600	90	18000	57	140	1.88	3.26	0.62	14.8	296	17.8	14.4
B13.73I	73	1500	9.2	58.5	204	3600	114	17895	65	140	1.88	3.26	0.45	12.5	296	22.4	17.9
2000 min$^{-1}$ - Self Cooled																	
B13.42I	42	2000	6.8	32.5	120	3600	65	18462	50	140	1.41	2.44	0.53	12.7	296	17.2	13.3
B13.58I	58	2000	9.0	43.0	162	3600	90	18000	57	140	1.41	2.44	0.36	8.6	296	23.7	17.6
B13.73I	73	2000	11.2	53.5	204	3600	114	17895	65	140	1.41	2.44	0.24	7.3	296	29.9	21.9
3000 min$^{-1}$ - Self Cooled																	
B13.42I	42	3000	8.6	27.5	120	3600	65	18462	50	140	0.94	1.63	0.23	5.4	296	25.8	16.9
B13.58I	58	3000	12.0	38.2	162	3600	90	18000	57	140	0.94	1.63	0.13	3.2	296	35.6	23.4
B13.73I	73	3000	15.4	48.9	204	3600	114	17895	65	140	0.94	1.63	0.10	2.6	296	44.8	30.0

Type	Stall torque ($\Delta t=105^{\circ}\text{C}$) M_o Nm	Rated speed n 1/min	Rated power P_n kW	Rated torque ($\Delta t=105^{\circ}\text{C}$) M_n Nm	Peak torque M_{pk} Nm	Maximum speed n_{max} rpm	Moment of inertia J 10^{-4} Kg m^2	Peak torque acceleration a_{pk} rad/sec 2	Thermal time constant T_{th} min	Thermal protection threshold ϑ_{max} $^{\circ}\text{C}$	Voltage constant k_e Vs	Torque constant k_t Nm/A	Resistance phase to phase (20 $^{\circ}\text{C}$) R_w Ω	Inductance phase to phase L_w mH	B.E.M.F. at rated speed E_n Vrms	Stall current I_o Arms	Rated current I_n Arms
1500 min$^{-1}$ - Air Cooled																	
B13.42I	61	1500	8.8	56.0	120	3600	65	18462	50	140	1.88	3.26	0.90	16.9	296	18.7	17.2
B13.58I	84	1500	12.2	77.5	162	3600	90	18000	57	140	1.88	3.26	0.62	14.8	296	25.8	23.8
B13.73I	105	1500	15.4	98.0	204	3600	114	17895	65	140	1.88	3.26	0.45	12.5	296	32.2	30.1
2000 min$^{-1}$ - Air Cooled																	
B13.42I	61	2000	11.2	53.4	120	3600	65	18462	50	140	1.41	2.44	0.53	12.7	296	25.0	21.8
B13.58I	84	2000	15.5	74.0	162	3600	90	18000	57	140	1.41	2.44	0.36	8.6	296	34.4	30.3
B13.73I	105	2000	19.8	94.5	204	3600	114	17895	65	140	1.41	2.44	0.24	7.3	296	43.0	38.7
3000 min$^{-1}$ - Air Cooled																	
B13.42I	61	3000	14.8	47.0	120	3600	65	18462	50	140	0.94	1.63	0.23	5.4	296	37.4	28.8
B13.58I	84	3000	21.0	66.8	162	3600	90	18000	57	140	0.94	1.63	0.13	3.2	296	51.5	41.0
B13.73I	105	3000	26.9	85.6	204	3600	114	17895	65	140	0.94	1.63	0.10	2.6	296	64.4	52.5