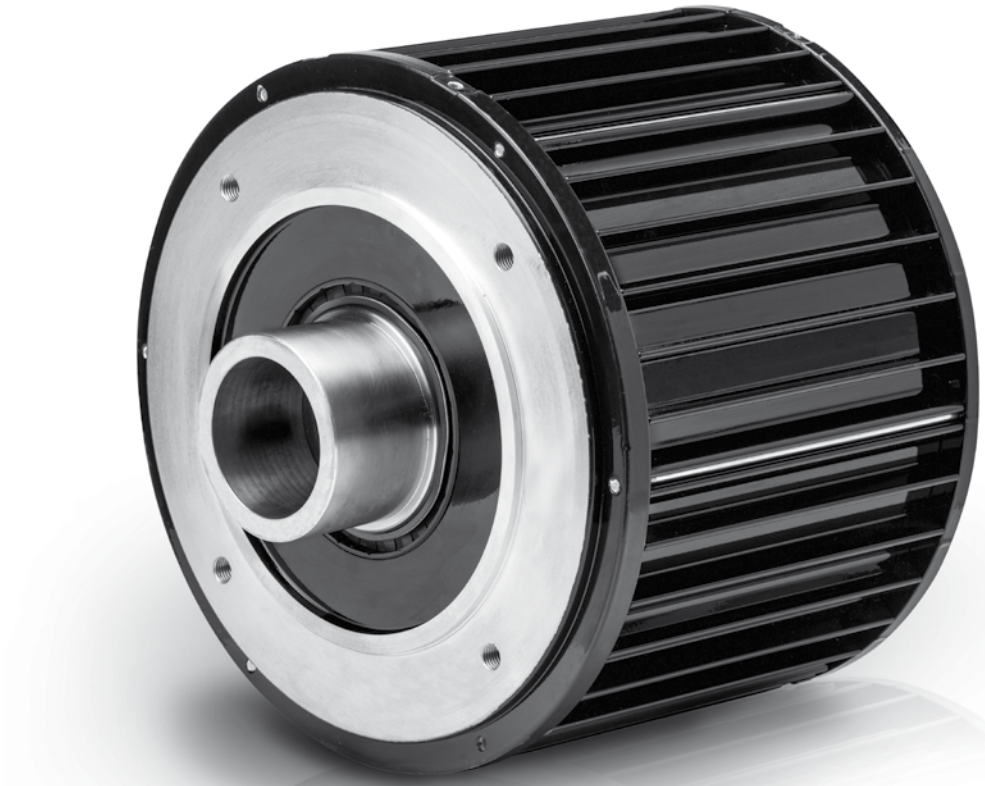
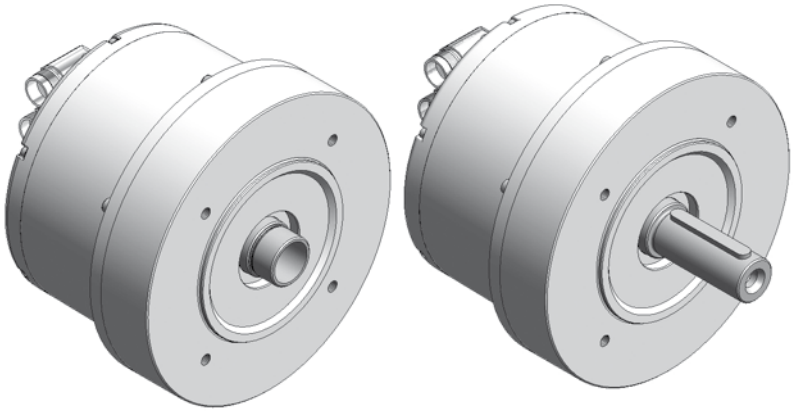
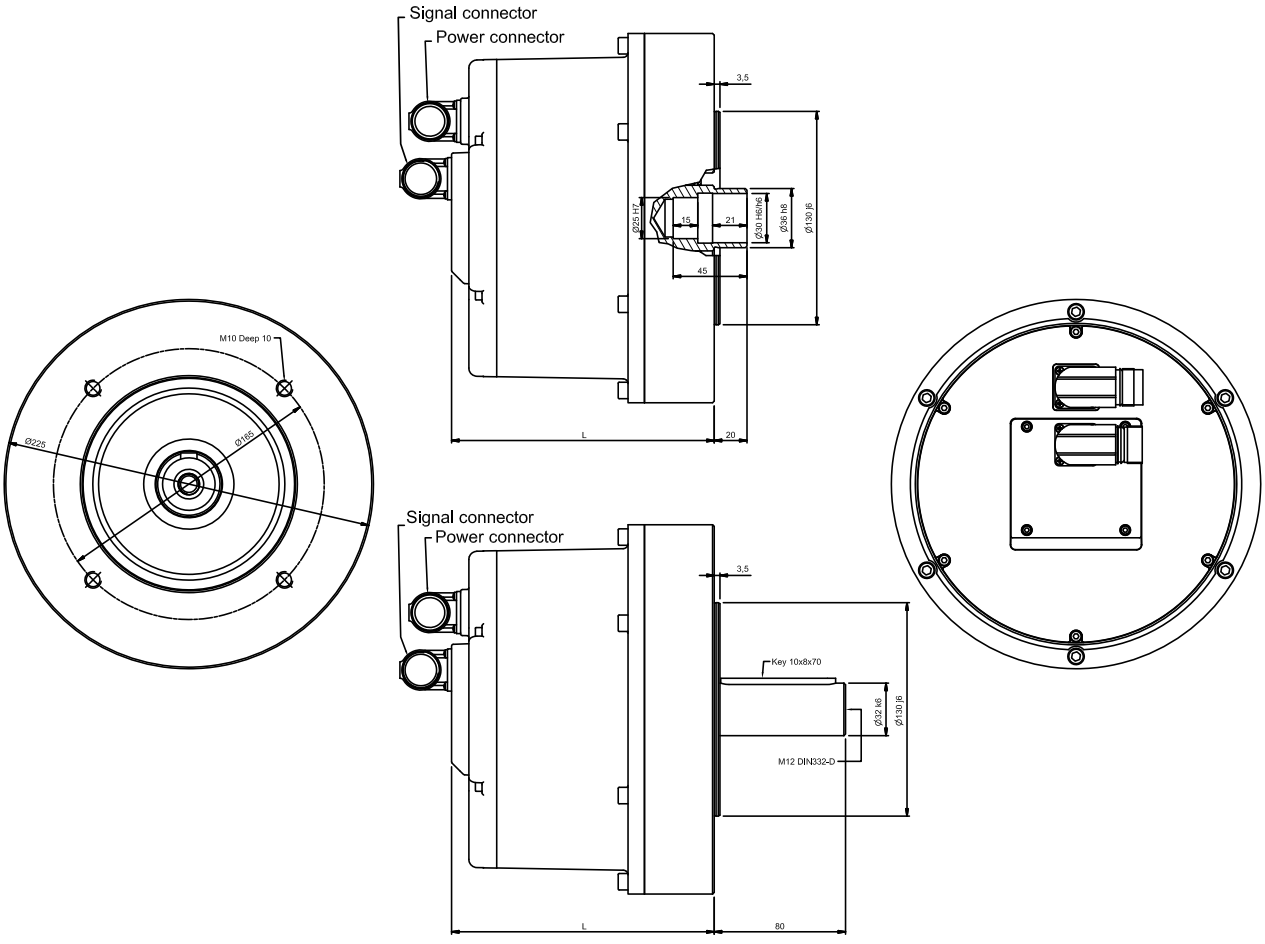
TORQUE MOTORS



FOR MAINS VOLTAGE
400 V





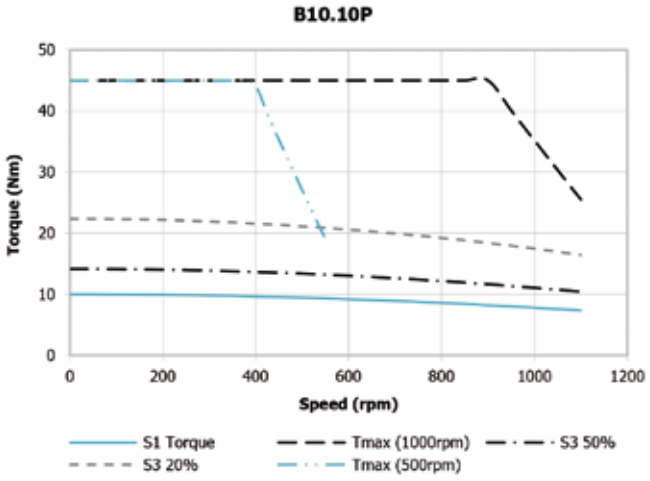
MECHANICAL DATA

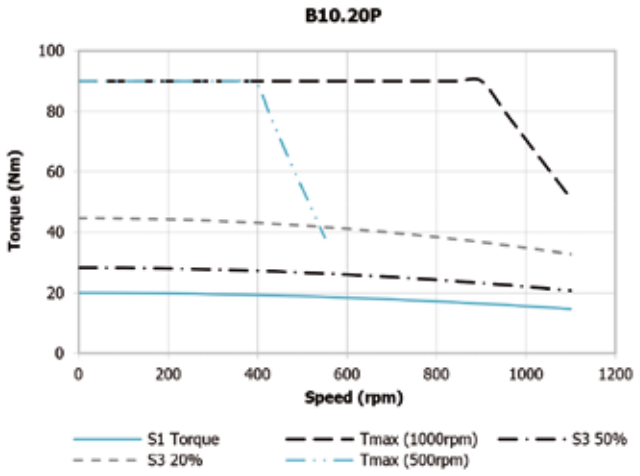
Type	Torque Nm	With RESOLVER (L) Length mm	With RESOLVER (L) Weight kg	With ENCODER (L) Length mm	With ENCODER (L) Weight kg
B10.10P	10	160	15.0	190	15.0
B10.20P	20	160	17.5	190	17.5

FOR MAINS VOLTAGE
400 V

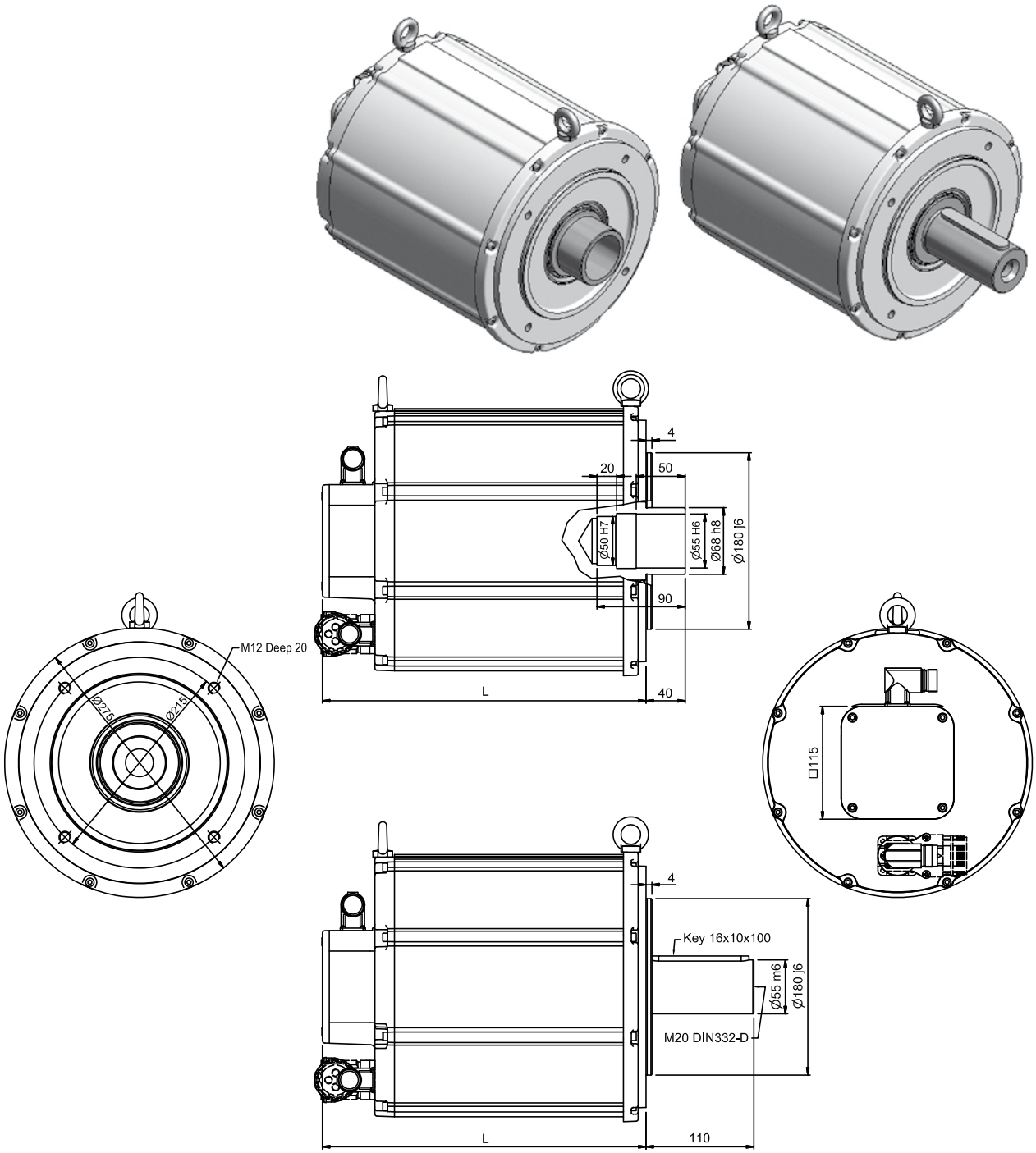
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at 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
500 min^{-1}																	
B10.10P	10	500	0.5	9.6	45	1500	40	11250	40	140	5.60	9.67	45.1	165.4	293	1.03	0.99
B10.20P	20	500	1.0	19.0	90	1500	80	11250	40	140	5.60	9.67	14.4	82.7	293	2.06	1.96
1000 min^{-1}																	
B10.10P	10	1000	0.8	8.0	45	1500	40	11250	40	140	2.80	4.85	11.3	41.4	293	2.06	1.65
B10.20P	20	1000	1.6	15.8	90	1500	80	11250	40	140	2.80	4.85	3.6	20.7	293	4.12	3.26

* The value of inertia is approximate, because it is deeply depending on the type of coupling chosen by the customer.
** The value of stall and rated torque are approximate and depending on the type of coupling system chosen for the application.





FOR MAINS VOLTAGE
400 V



MECHANICAL DATA

Type	Torque Nm	Length (L) mm	Weight Kg
B16.50P	50	230	33.0
B16.C0P	100	280	50.0
B16.C5P	150	330	67.0
B16.B0P	200	380	84.0
B16.B4P	240	420	98.0

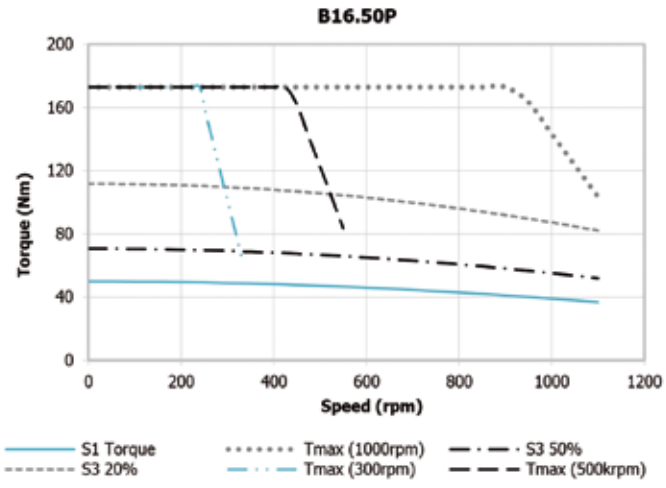
TYPE B16P - 24 POLES

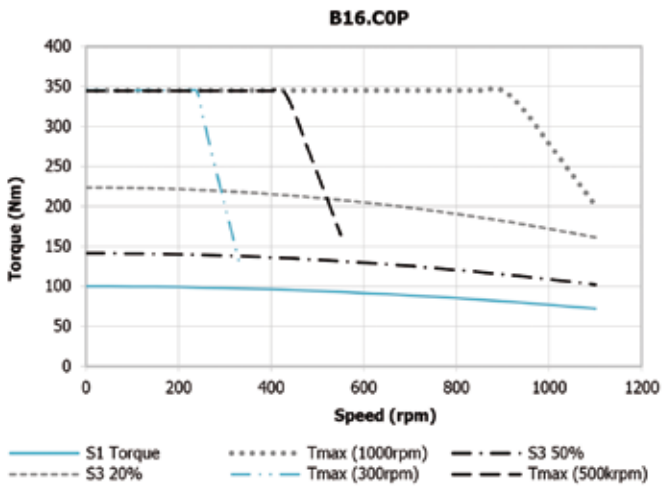
FOR MAINS VOLTAGE
400 V

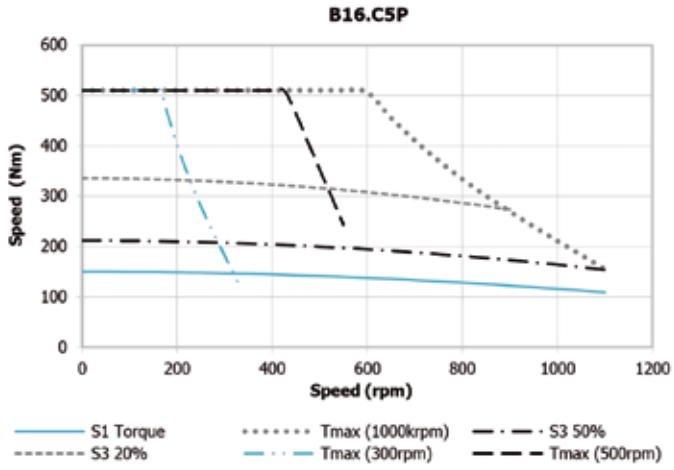
Type	Stall torque (Δt=105°C)	Rated speed	Rated power	Rated torque (Δt=105°C)	Peak torque	Maximum speed	Moment of inertia	Peak torque acceleration	Thermal time constant	Thermal protection threshold	Voltage constant	Torque constant	Resistance phase to phase (20°C)	Inductance phase to phase	B.E.M.F. at 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
300 min^{-1}																	
B16.50P	50	300	1.5	48	173	1200	409	4230	50	140	9.70	16.80	10.9	82.6	305	3.0	2.9
B16.C0P	100	300	3.0	95	345	1200	784	4401	70	140	9.70	16.80	4.25	39.9	305	6.0	5.7
B16.C5P	150	300	4.5	142	510	1200	1159	4400	90	140	9.70	16.80	2.82	27.5	305	8.9	8.5
B16.B0P	200	300	5.9	188	680	1200	1534	4433	110	140	9.70	16.80	1.97	20.9	305	11.9	11.2
B16.B4P	240	300	7.1	225	816	1200	1833	4452	130	140	9.70	16.80	1.76	18.1	305	14.3	13.4
500 min^{-1}																	
B16.50P	50	500	2.4	45	173	1200	409	4230	50	140	5.80	10.05	3.72	29.0	305	5.0	4.5
B16.C0P	100	500	4.7	90	345	1200	784	4401	70	140	5.80	10.05	1.63	15.1	305	10.0	9.0
B16.C5P	150	500	7.1	135	510	1200	1159	4400	90	140	5.80	10.05	0.96	9.41	305	14.9	13.4
B16.B0P	200	500	9.4	180	680	1200	1534	4433	110	140	5.80	10.05	0.72	7.40	305	19.9	17.9
B16.B4P	240	500	11.1	212	816	1200	1833	4452	130	140	5.80	10.05	0.66	6.63	305	23.9	21.1
1000 min^{-1}																	
B16.50P	50	1000	4.1	39	173	1200	409	4230	50	140	2.85	4.94	0.82	6.6	298	10.1	7.9
B16.C0P	100	1000	8.1	77	345	1200	784	4401	70	140	2.85	4.94	0.40	3.42	298	20.3	15.6
B16.C5P	150	1000	12.1	116	510	1200	1159	4400	90	140	2.85	4.94	0.24	2.42	298	30.4	23.5
B16.B0P	200	1000	16.0	153	680	1200	1534	4433	110	140	2.85	4.94	0.17	1.76	298	40.5	31.0
B16.B4P	240	1000	19.1	182	816	1200	1833	4452	130	140	2.85	4.94	0.14	1.52	298	48.6	36.9

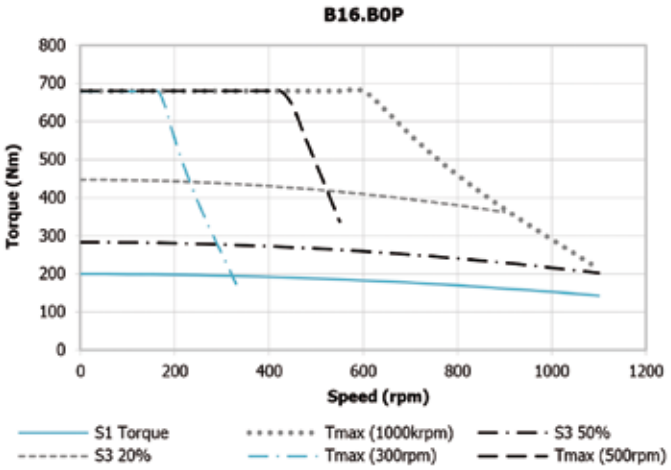
* The value of inertia is approximate, because it is deeply depending on the type of coupling chosen by the customer.
** The value of stall and rated torque are approximate and depending on the type of coupling system chosen for the application.

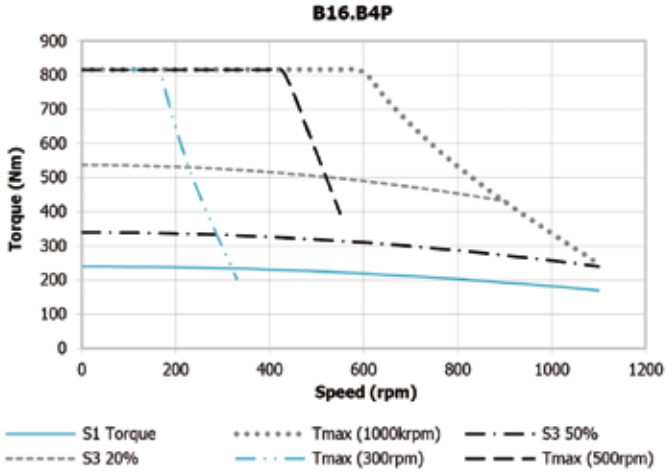
FOR MAINS VOLTAGE
400 V



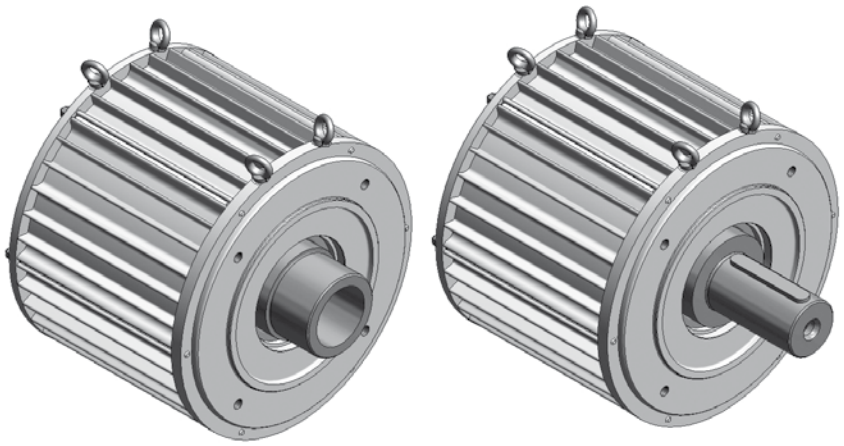


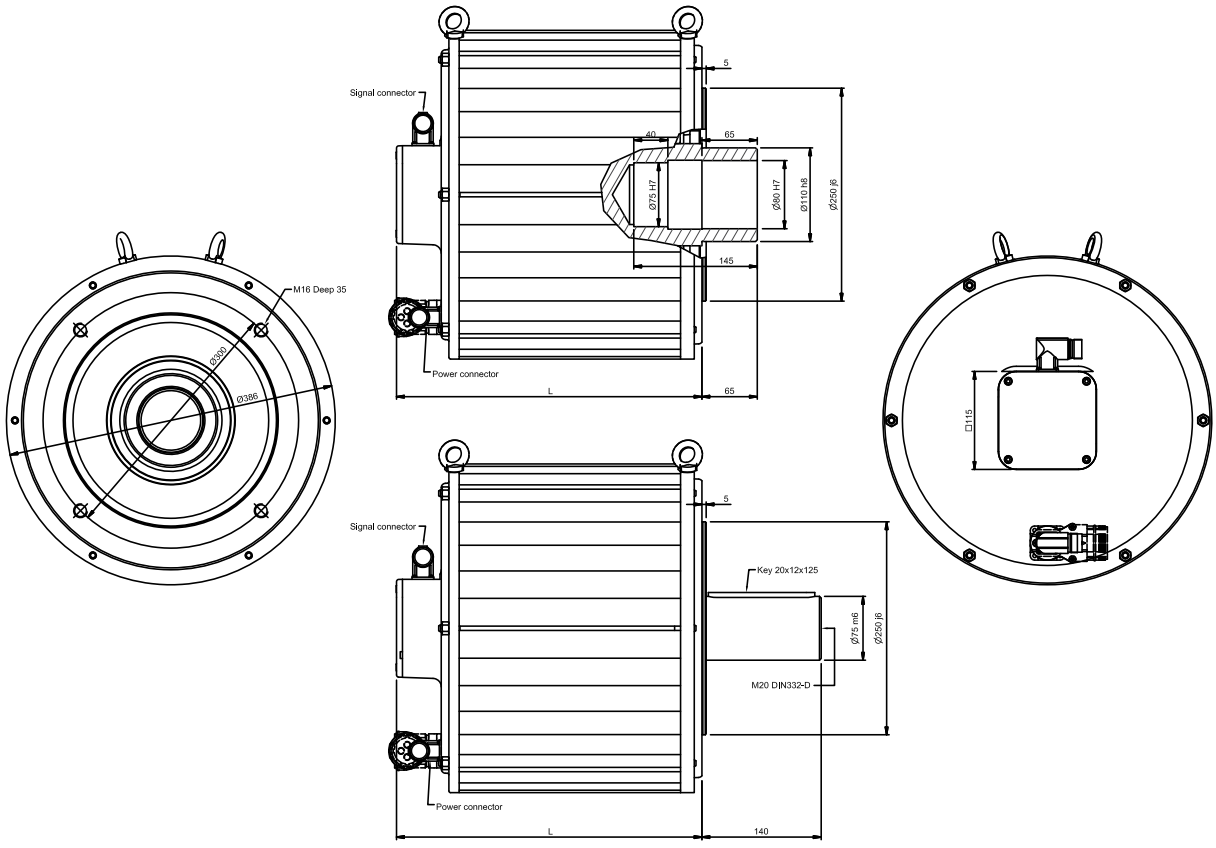






FOR MAINS VOLTAGE
400 V





MECHANICAL DATA

Type	Torque Nm	Length (L) mm	Weight Kg
B18.CBP	115	259	63
B18.BCP	225	309	89
B18.325P	325	359	115
B18.420P	420	409	141
B18.510P	510	459	167

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
300 min^{-1}																	
B18.CBP	115	300	3.1	100	345	700	1600	2156	68	140	9.4	16.3	1.90	33.1	295	7	6
B18.BCP	225	300	6.2	196	703	700	3000	2343	95	140	9.4	16.3	0.91	17.9	295	14	12
B18.325P	325	300	8.9	283	1054	700	4400	2395	122	140	9.4	16.3	0.53	11.4	295	20	17
B18.420P	420	300	11.5	365	1405	700	5800	2422	150	140	9.4	16.3	0.38	8.7	295	26	22
B18.510P	510	300	13.9	444	1750	700	7200	2431	177	140	9.4	16.3	0.33	7.1	295	31	27

* The value of inertia is approximate, because it is deeply depending on the type of coupling chosen by the customer.
** The value of stall and rated torque are approximate and depending on the type of coupling system chosen for the application.

FOR MAINS VOLTAGE
400 V

