

ME080AS

DC Brushless Motor



General information

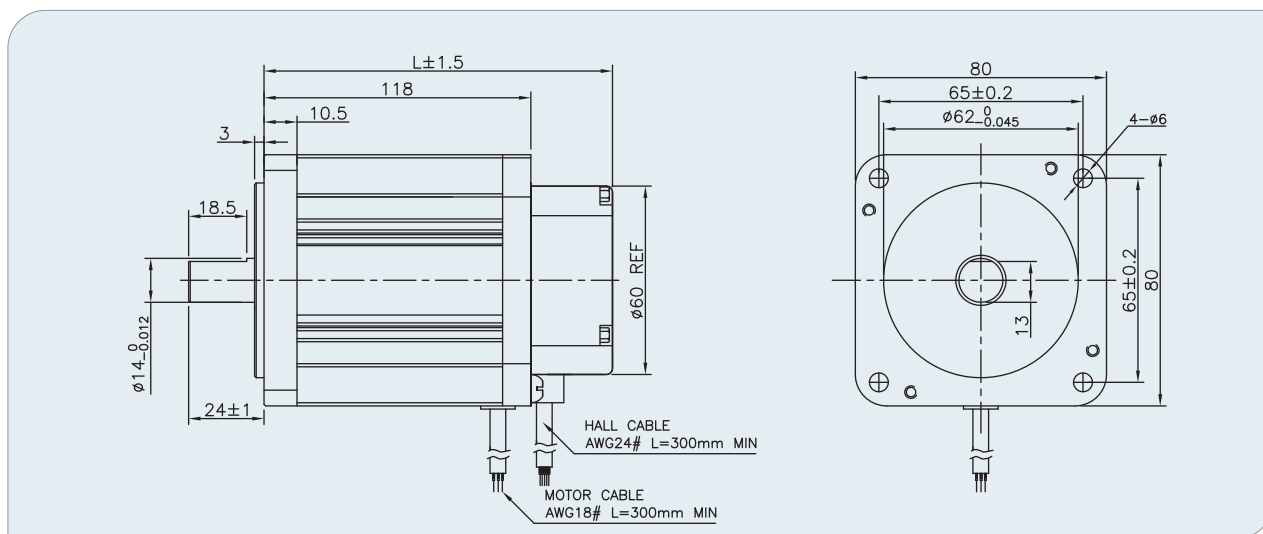
- 8 poles with three phases
- 15 slots distribution winding design for low cogging
- 6 slots for automatic winding
- Insulation class B, higher insulation on request
- Mutiple Lines of encoder available
- Sintered Neo Magnet
- Lower voltage available

Specifications

SPECIFICATION		Unit	ME080AS100	ME080AS200	ME080AS300
Supply Voltage (reference)	(Vs)	Vdc	310	310	310
Rated Continuous Torque	(Tcr)	Nm	1.00	1.51	2.08
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000	3000
Rated Continuous Stall Current	(Ics)	A	1.87	2.69	3.69
Rated Continuous Output Power	(Po,c)	W	316	474	653
Rated Peak Torque	(Tpr)	Nm	3.04	4.97	6.24
Rated Peak Current	(Ipr)	A	4.73	7.63	9.6
Torque Constant	(KT)	Nm/A	0.7033	0.7033	0.7033
Voltage Constant	(KE)	V/krpm	73.61	73.61	73.61
Terminal Resistance	(Rmt)	Ω	13.00	8.6	5.3
Inductance	(L)	mH	65.00	43.00	37.00
Insulation Class			B	B	B
Rotor Inertia	(Jr)	Kg.m ²	6.00E-05	9.00E-05	1.20E-04
Motor Weight	(Wm)	Kg	1.80	2.50	3.20
Motor Length	(Lm)	mm	111	144	164

ME080AS

● Mechanical



● Characteristic diagram

