

MB057GA

DC Brushless Motor



General information

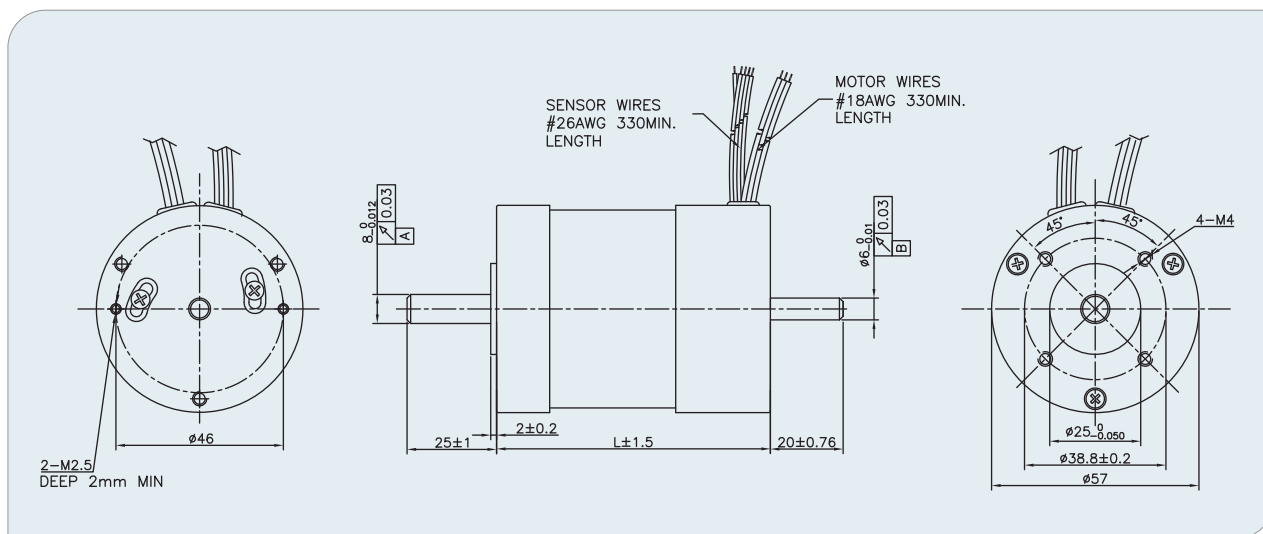
- 4 poles with three phases
- Hall effect commutation (120 degree), skew rotor for low cogging
- Insulation class B, higher insulation class on request
- Bonded Neo Magnet
- NEMA 23 flange available
- UL certified

Specifications

SPECIFICATION		Unit	MB057GA100	MB057GA200	MB057GA300	MB057GA400
Supply Voltage (reference)	(Vs)	Vdc	60	60	60	60
Rated Continuous Torque	(Tcr)	Nm	0.11	0.20	0.31	0.40
Rated Speed at Cont. Torque	(Scr)	rpm	4750	5000	5000	5000
Rated Continuous Stall Current	(Ics)	A	1.68	3.21	4.71	6.46
Rated Continuous Output Power	(Po,c)	W	53	106	163	208
Rated Peak Torque	(Tpr)	Nm	0.42	0.81	1.17	1.36
Rated Peak Current	(Ipr)	A	5.05	9.62	14.13	17.61
Torque Constant	(KT)	Nm/A	0.0840	0.0839	0.0826	0.0772
Voltage Constant	(KE)	V/krpm	8.79	8.78	8.65	8.08
Terminal Resistance	(Rmt)	Ω	4.47	1.79	0.83	0.49
Inductance	(L)	mH	6.86	3.16	1.98	1.60
Insulation Class			B	B	B	B
Rotor Inertia	(Jr)	Kg.m ²	9.04E-06	1.69E-05	2.49E-05	3.28E-05
Motor Weight	(Wm)	Kg	0.50	0.75	1.00	1.25
Motor Length	(Lm)	mm	54	74	94	114

MB057GA

● Mechanical



● Characteristic diagram

