

ME070AS

DC Brushless Motor



General information

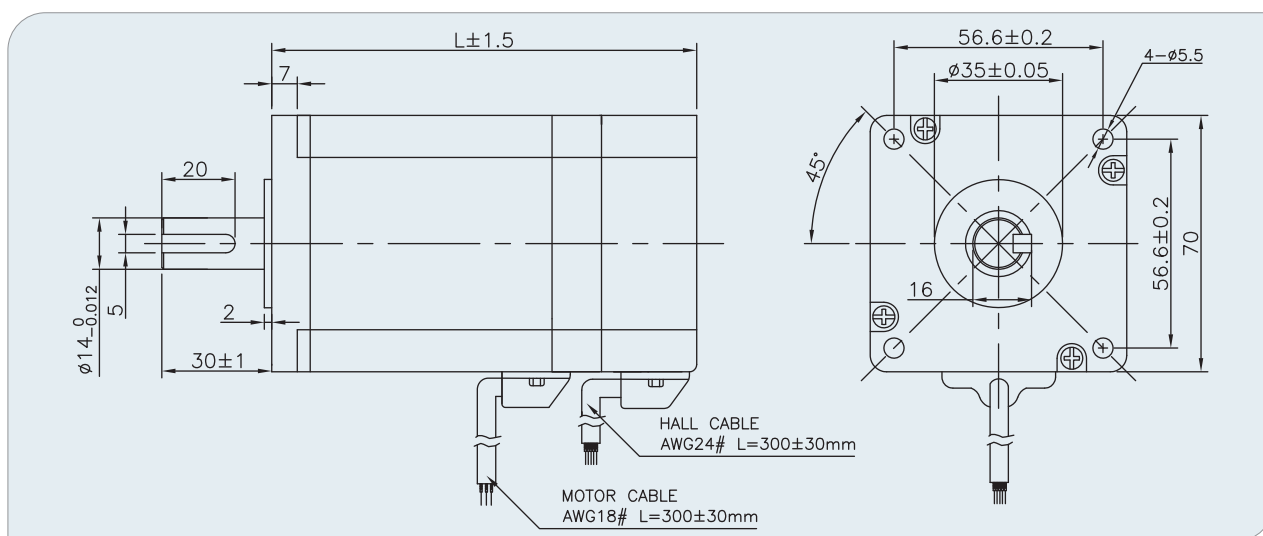
- 8 poles with three phases
- 12 slots design for low cogging
- Insulation class B, higher insulation class on request
- Multiple Lines of encoder available
- Sintered Neo Magnet

Specifications

SPECIFICATION	Unit	ME070AS100	ME070AS200	ME070AS300
Supply Voltage (reference)	(Vs) Vdc	48	48	48
Rated Continuous Torque	(Tcr) Nm	0.51	1.02	1.50
Rated Speed at Cont. Torque	(Scr) rpm	3000	3000	3000
Rated Continuous Stall Current	(Ics) A	5.40	10.47	15.41
Rated Continuous Output Power	(Po,c) W	159	319	470
Rated Peak Torque	(Tpr) Nm	1.50	3.00	4.50
Rated Peak Current	(Ipr) A	14.69	29.16	43.72
Torque Constant	(KT) Nm/A	0.1089	0.1089	0.1089
Voltage Constant	(KE) V/krpm	11.40	11.40	11.40
Terminal Resistance	(Rmt) Ω	0.78	0.28	0.19
Inductance	(L) mH	1.60	0.80	0.45
Insulation Class		B	B	B
Rotor Inertia	(Jr) Kg.m ²	3.70E-05	7.40E-05	1.10E-04
Motor Weight	(Wm) Kg	1.30	2.10	2.80
Motor Length	(Lm) mm	88	118	148

ME070AS

● Mechanical



● Characteristic diagram

