

ME042AS

DC Brushless Motor



General information

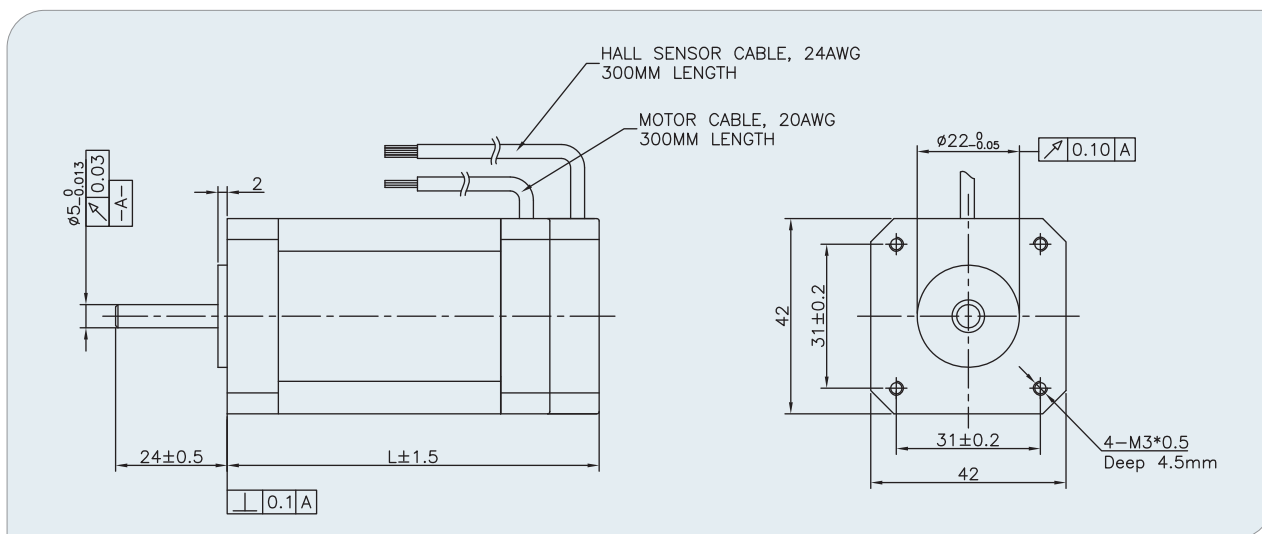
- NEMA 17 flange
- 8 poles with three phases
- 12 slots design for low cogging
- Insulation class B, higher insulation class on request
- Sintered Neo Magnet
- Integrated driver available

Specifications

SPECIFICATION		Unit	ME042AS100	ME042AS200	ME042AS300
Supply Voltage (reference)	(Vs)	Vdc	24	24	24
Rated Continuous Torque	(Tcr)	Nm	0.10	0.20	0.33
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000	3000
Rated Continuous Stall Current	(Ics)	A	2.25	4.8	7.8
Rated Continuous Output Power	(Po,c)	W	31	63	107
Rated Peak Torque	(Tpr)	Nm	0.30	0.77	1.20
Rated Peak Current	(Ipr)	A	7.18	20.27	30.77
Torque Constant	(KT)	Nm/A	0.0513	0.0513	0.0513
Voltage Constant	(KE)	V/krpm	5.37	5.37	5.37
Terminal Resistance	(Rmt)	Ω	2.40	0.98	0.62
Inductance	(L)	mH	1.7	0.58	0.38
Insulation Class			B	B	B
Rotor Inertia	(Jr)	Kg.m ²	2.90E-06	5.90E-06	8.90E-06
Motor Weight	(Wm)	Kg	0.36	0.55	0.65
Motor Length	(Lm)	mm	52	71	90

ME042AS

● Mechanical



● Characteristic diagram

