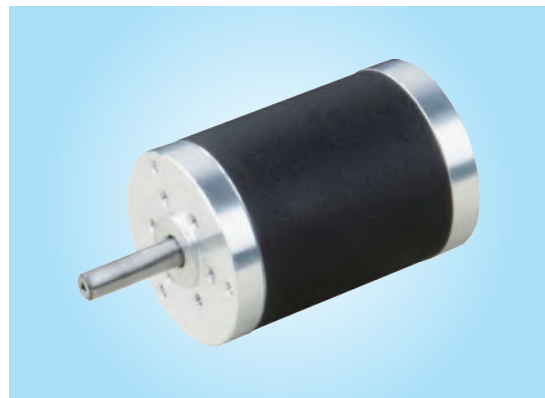


ME042YS

DC Brushless Motor



● General information

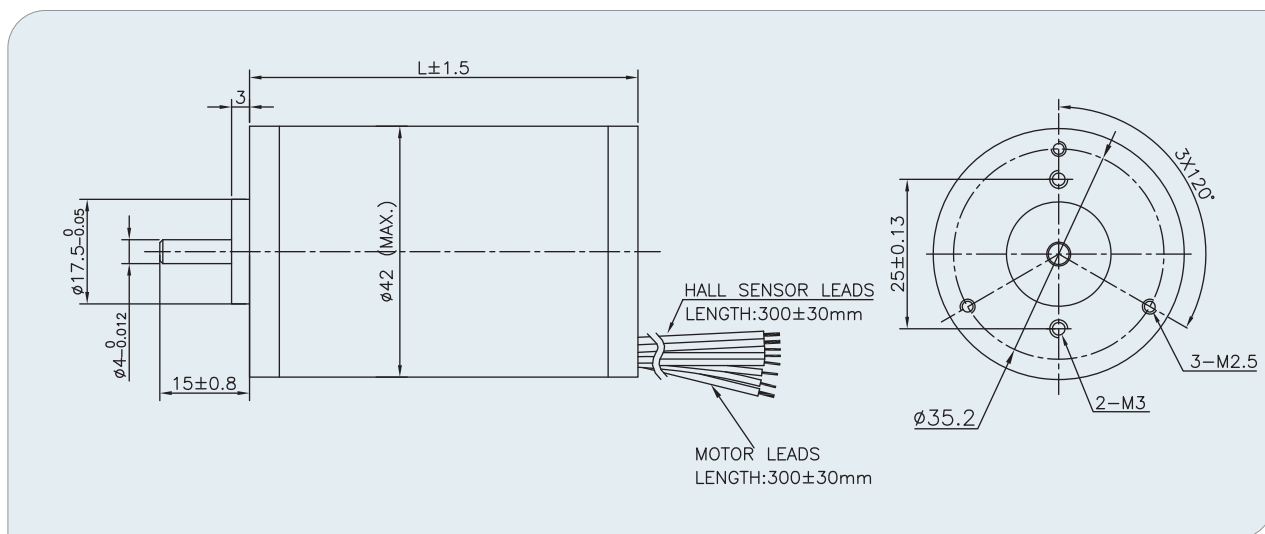
- 8 poles with three phases
- 6 slots design for automatic winding
- Insulation class B, higher insulation class on request
- Bonded Neo Magnet

● Specifications

SPECIFICATION		Unit	ME042YS100	ME042YS200
Supply Voltage (reference)	(Vs)	Vdc	24	24
Rated Continuous Torque	(Tcr)	Nm	0.077	0.169
Rated Speed at Cont. Torque	(Scr)	rpm	4000	4000
Rated Continuous Stall Current	(Ics)	A	2.91	5.23
Rated Continuous Output Power	(Po,c)	W	32	71
Rated Peak Torque	(Tpr)	Nm	0.24	0.45
Rated Peak Current	(Ipr)	A	7.49	13.25
Torque Constant	(KT)	Nm/A	0.0353	0.0353
Voltage Constant	(KE)	V/krpm	3.70	3.80
Terminal Resistance	(Rmt)	Ω	1.60	0.71
Inductance	(L)	mH	1.94	0.86
Insulation Class			B	B
Rotor Inertia	(Jr)	Kg.m ²	4.8E-06	6.5E-06
Motor Weight	(Wm)	Kg	0.40	0.6
Motor Length	(Lm)	mm	60	85

ME042YS

● Mechanical



● Characteristic diagram

