

ME110AS

DC Brushless Motor



General information

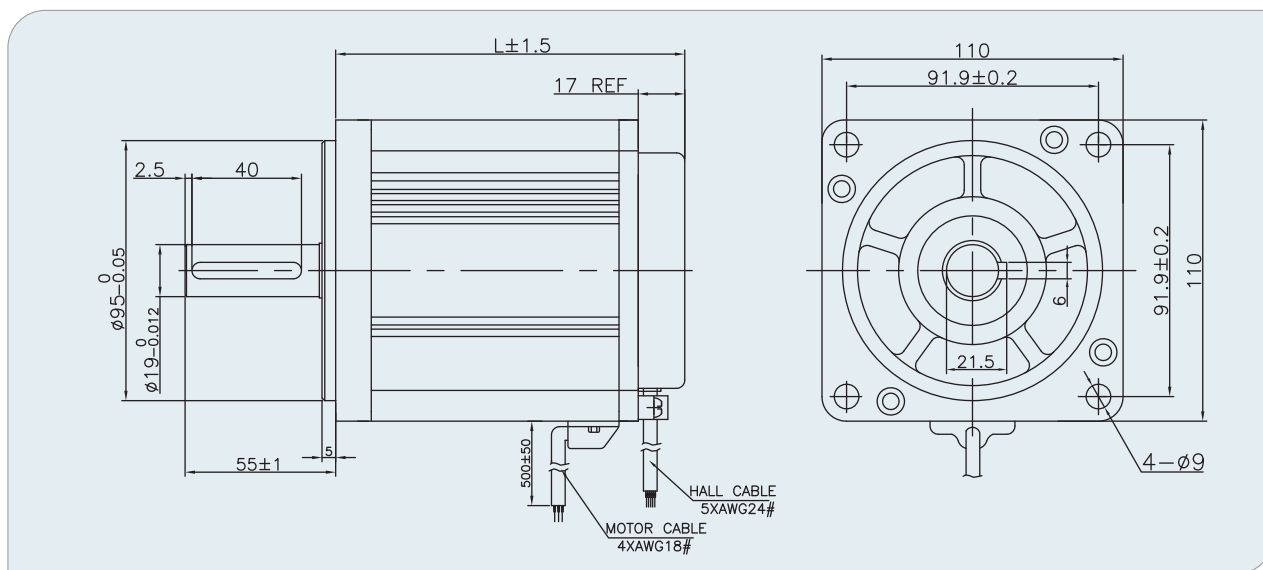
- 8 poles with three phases
- 18 slots design for low cogging
- Insulation class B, higher insulation class on request
- Encoder available
- Sintered Neo Magnet
- IP65 class available

Specifications

SPECIFICATION		Unit	ME110AS100	ME110AS200	ME110AS300
Supply Voltage (reference)	(Vs)	Vdc	310	310	310
Rated Continuous Torque	(Tcr)	Nm	2.06	4.04	6.06
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000	3000
Rated Continuous Stall Current	(Ics)	A	3.25	6.15	9.12
Rated Continuous Output Power	(Po,c)	W	647	1267	1903
Rated Peak Torque	(Tpr)	Nm	6.00	12.38	18.51
Rated Peak Current	(Ipr)	A	8.99	18.41	27.43
Torque Constant	(KT)	Nm/A	0.7059	0.7059	0.7059
Voltage Constant	(KE)	V/krpm	73.88	73.88	73.88
Terminal Resistance	(Rmt)	Ω	2.50	1.3	0.9
Inductance	(L)	mH	10.00	5.00	3.50
Insulation Class			B	B	B
Rotor Inertia	(Jr)	Kg.m ²	3.50E-04	5.40E-04	7.60E-04
Motor Weight	(Wm)	Kg	3.50	4.50	5.50
Motor Length	(Lm)	mm	125	152	180

ME110AS

● Mechanical



● Characteristic diagram

