

ME086AS

DC Brushless Motor



● General information

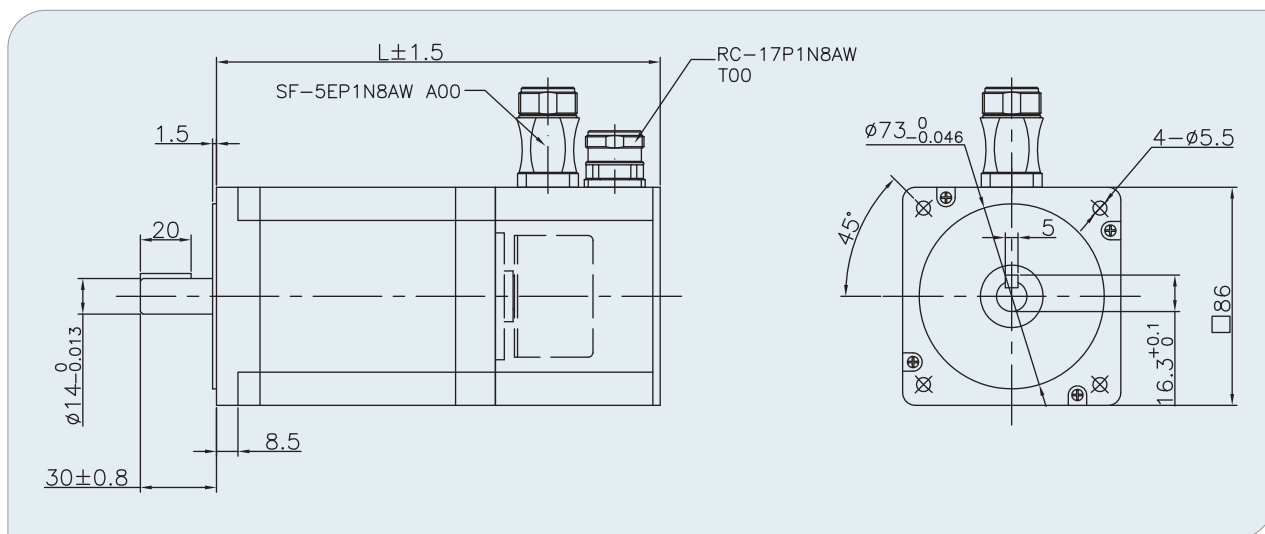
- 8 poles with three phases
- Servo application
- Insulation class F
- Mutiple Lines of encoder available
- IP 65 class

● Specifications

SPECIFICATION		Unit	ME086AS100	ME086AS200	ME086AS300
Supply Voltage (reference)	(Vs)	Vdc	310	310	310
Rated Continuous Torque	(Tcr)	Nm	0.70	1.41	2.11
Rated Speed at Cont. Torque	(Scr)	rpm	3000	3000	3000
Rated Continuous Stall Current	(Ics)	A	1.35	2.68	4.03
Rated Continuous Output Power	(Po,c)	W	221	441	663
Rated Peak Torque	(Tpr)	Nm	2.85	5.67	8.52
Rated Peak Current	(Ipr)	A	4.34	8.64	13.00
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	13.50	7.00	4.40
Inductance	(L)	mH	42.00	20.00	14.50
Insulation Class			F	F	F
Rotor Inertia	(Jr)	Kg.m ²	8.00E-05	1.60E-04	2.40E-04
Motor Weight	(Wm)	Kg	1.85	2.60	4.00
Motor Length	(Lm)	mm	135	162	189

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● Mechanical



● Characteristic diagram

