

AS90 AC Servo Motors



Electrical Specifications:

	AS90-30-024E25	AS90-20-035E25	AS90-25-040E25
Rated Power (KW)	0.75	0.73	1.0
Rated Voltage (V)	220	220	220
Rated Current (A)	3	3.0	4
Rated Speed (RPM)	3000	2000	2500
Rated Torque (N.m)	2.4	3.5	4
Peak Torque (N.m)	7.1	10.5	12
Peak Current (A)	9	9	12
Voltage Constant (V/1000r/min)	51	67	60
Torque Coefficient (N.m/A)	0.8	1.2	1.0
Rotor Inertia (Kg.m ²)	2.45x10 ⁻⁴	3.4x10 ⁻⁴	3.7x10 ⁻⁴
Resistance (Ω)	3.2	4.06	2.69
Inductance (mH)	7.0	9.7	6.21
Electrical Time Constant (ms)	2.2	2.39	2.3
Weight (Kg)	3.4	3.8	4.13
Encoder Resolution (PPR)	2500	2500	2500
Body Length (L, mm)	149	171	181

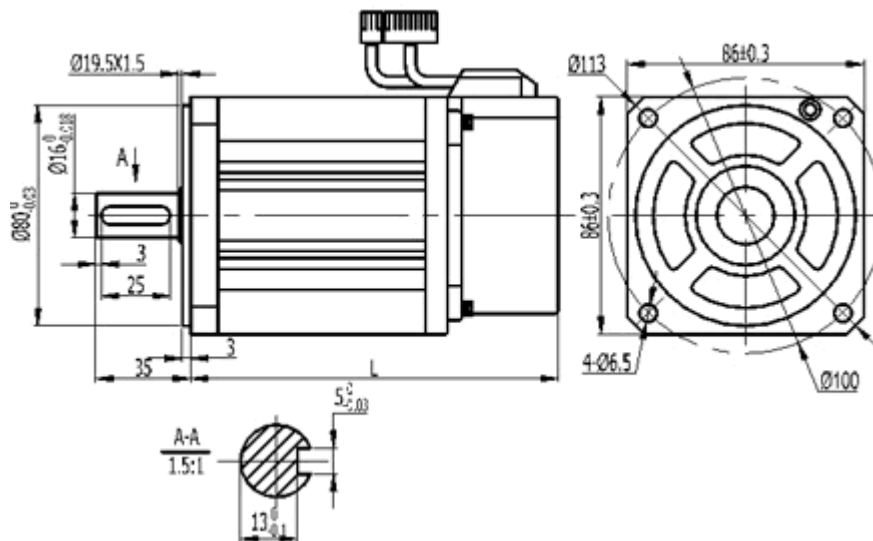
MotionKing (China) Motor Industry Co., Ltd.

General Feature

Insulation Class	Class B (130℃)															
Safety Grade	IP64															
Operating Environment	Temperature: -20℃ ~ +50℃ Humidity: under<90% (No Dewing)															
Storage Environment	Temperature: -30℃ ~ +60℃ Humidity: under<90% (No Dewing)															
Winding Connector	Winding Wires	U				V				W				PE		
	Pin No.	1				2				3				4		
Encoder Connector	Signal Wires	5	0V	B+	Z-	U+	Z+	U-	A+	V+	W+	V-	A-	B-	W-	PE
	Pin No.	2	3	4	5	6	7	8	9	10	11	12	13	14	15	1

***Note:** We can manufacture products according to customer's requirements. * 17 Bit absolute encoder is also optional.

Dimensions: unit=mm



Shaft:

Model	L (mm)
AS90-30-024E25	149
AS90-20-035E25	171
AS90-25-040E25	181