AS80 AC Servo Motors



Electrical Specifications:

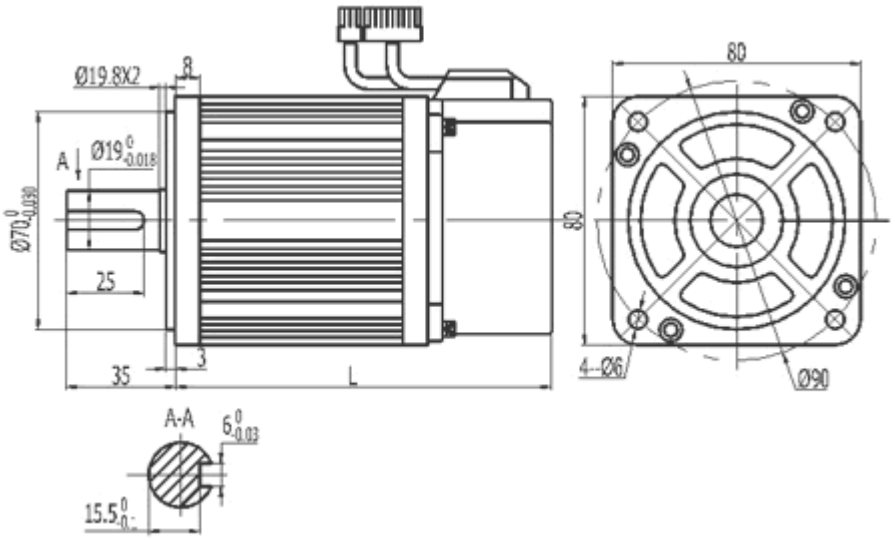
	AS80-30-013E25	AS80-30-024E25	AS80-20-035E25	AS80-30-035E25	AS80-25-040E25	AS80-30-040E25
Rated Power (KW)	0.4	0.75	0.73	1.0	1.0	1.2
Rated Voltage (V)	220	220	220	220	220	220
Rated Current (A)	2	3.0	3.0	3.0	4.4	5.2
Rated Speed (RPM)	3000	3000	2000	3000	2500	3000
Rated Torque (N.m)	1.27	2.39	3.5	3.5	4.0	4.0
Peak Torque (N.m)	3.8	7.1	10.5	10.5	12	12
Peak Current (A)	6	9.0	9.0	13.5	13.2	16
Voltage Constant (V/1000r/min)	40	48	71	46	56	46
Torque Coefficient (N.m/A)	0.64	0.8	1.17	0.78	0.9	0.77
Rotor Inertia (Kg.m2)	$1.05x10^{-4}$	$1.82x10^{-4}$	$2.63x10^{-4}$	$2.63x10^{-4}$	$2.97x10^{-4}$	$2.97x10^{-4}$
Resistance (Ω)	4.44	2.88	3.65	1.56	1.83	1.33
Inductance (mH)	7.93	6.4	8.8	3.76	4.72	3.27
Electrical Time Constant (ms)	1.66	2.22	2.4	2.4	2.58	2.46
Weight (Kg)	1.78	2.86	3.7	3.7	3.8	3.8
Encoder Resolution (PPR)	2500	2500	2500	2500	2500	2500
Body Length (L, mm)	123	150	178	190		

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	5V	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)
AS80-30-013E25	123
AS80-30-024E25	150
AS80-20-035E25	178
AS80-30-035E25	190
AS80-25-040E25	
AS80-30-040E25	