AS110 AC Servo Motors



Electrical Specifications:

	AS110-30-020E25	AS110-20-040E25	AS110-30-040E25	AS110-20-050E25
Rated Power (KW)	0.6	0.8	1.2	1.0
Rated Voltage (V)	220	220	220	220
Rated Current (A)	2.5	3.5	5.0	4.5
Rated Speed (RPM)	3000	2000	3000	2000
Rated Torque (N.m)	2	4	4	5
Peak Torque (N.m)	6	12	12	10
Peak Current (A)	7.5	10.5	15	13.5
Voltage Constant (V/1000r/min)	56	79	54	86
Torque Coefficient (N.m/A)	0.8	1.14	0.8	1.11
Rotor Inertia (Kg.m2)	0.3110^{-3}	0.5410^{-3}	0.5410^{-3}	0.6310^{-3}
Resistance (Ω)	3.6	2.41	1.09	2.14
Inductance (mH)	8.32	7.3	3.3	6.5
Electrical Time Constant (ms)	2.3	3	3.0	3.0
Weight (Kg)	4.5	5.5	5.5	6.1
Encoder Resolution (PPR)	2500	2500	2500	2500
Body Length (L, mm)	159	189	189	204

MotionKing (China) Motor Industry Co., Ltd.

	AS110-20-050BE25	AS110-30-050E25	AS110-20-060E25	AS110-30-060E25
Rated Power (KW)	1.0	1.5	1.2	1.8
Rated Voltage (V)	220	220	220	220
Rated Current (A)	5.4	6.0	4.5	6.0
Rated Speed (RPM)	2000	3000	2000	3000
Rated Torque (N.m)	5	5	6	6
Peak Torque (N.m)	15	15	12	18
Peak Current (A)	16.2	18	13.5	18
Voltage Constant (V/1000r/min)	75	62	83	60
Torque Coefficient (N.m/A)	0.93	0.83	1.3	1.0
Rotor Inertia (Kg.m2)	0.6310^{-3}	0.6310^{-3}	0.7610^{-3}	0.7610^{-3}
Resistance (Ω)	1.7	1.03	1.46	0.81
Inductance (mH)	4.9	3.43	4.7	2.59
Electrical Time Constant (ms)	2.88	3.33	3.2	3.2
Weight (Kg)	6.1	6.1	6.7	6.7
Encoder Resolution (PPR)	2500	2500	2500	2500
Body Length (L, mm)	204	204	219	219

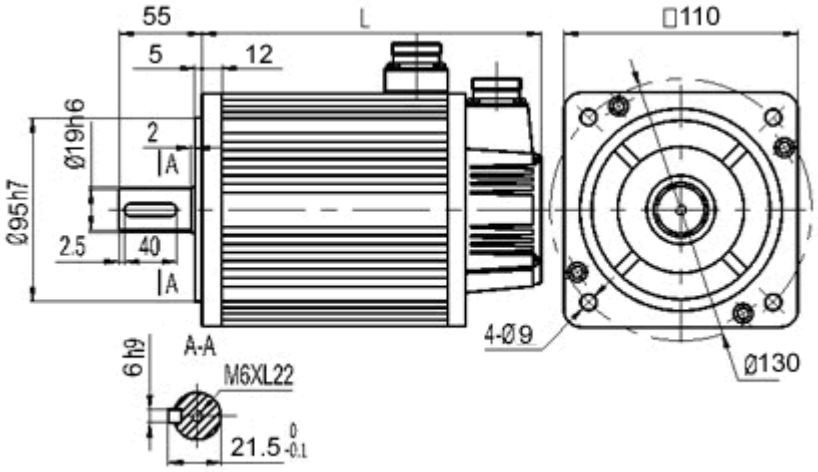
General Feature

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.

MotionKing (China) Motor Industry Co., Ltd.

Dimensions: unit=mm



Shaft:

Rated Torque (N.m)	L (mm)
2	159
4	189
5	204
6	219