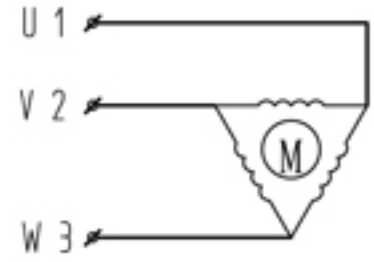
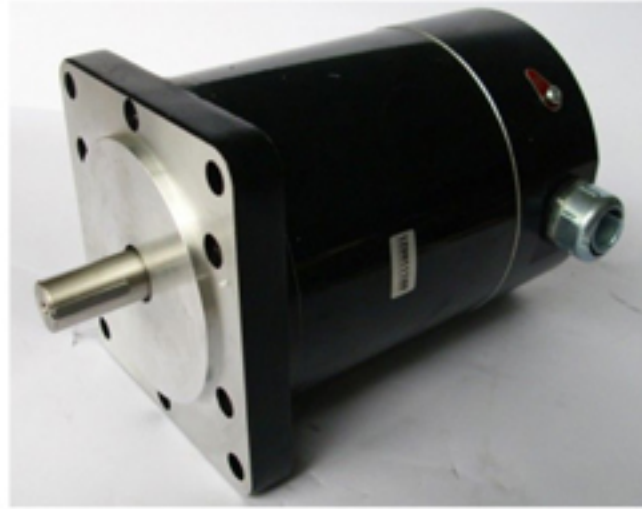
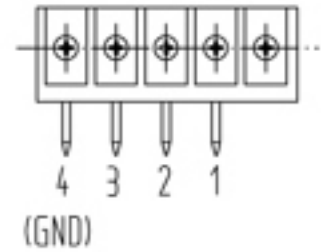


# 110mm 3phase Hybrid Stepping motor use in CNC

Step angle	----	1.2°
Step Angle Accuracy	----	±5% (full step, no load)
Resistance Accuracy	----	±10%
Inductance Accuracy	----	±20%
Insulation Resistance	----	500VDC 100MΩMin
Dielectric Strength	----	500VAC 1 minute
Ambient Temperature	----	-20℃-- +50℃
Temperature Rise	----	80℃ Max(rated current)
Shaft Axial Play	----	0.08mm Max(450g load)
Shaft Radial Play	----	0.02mm Max(450g load)
Max Axial Force	----	60N
Max Radial Force	----	220N(20mm from the flange)
Insulation Class	----	B



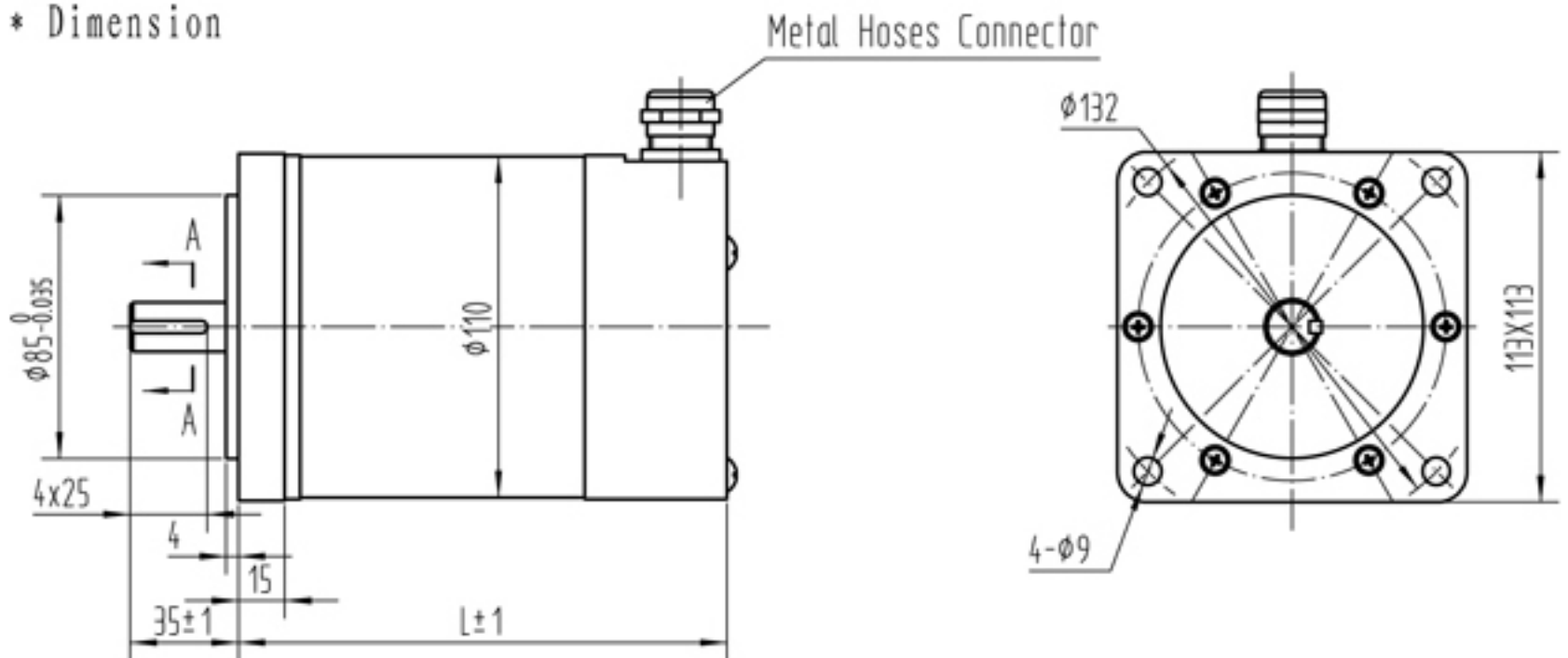
CONNECTION



## \* Specifications

Model	Motor Codes	Voltage /Phase	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	Leads	Rotor Inertia	Weight	Length
Units		V	A	Ω	mH	N. m		Kg. cm <sup>2</sup>	Kg	mm
SY1103P158-5203A	220158000	4.2	3	1.4	8.9	8	3	10	6.8	158
SY1103P195-5203A	220195000	4.95	3	1.65	11.5	12	3	14.6	8.7	195
SY1103P241-5203A	220241000	6	3	2	13.5	16	3	20.1	11.59	241

## \* Dimension



A-A

