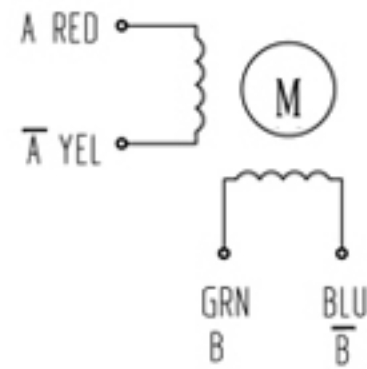
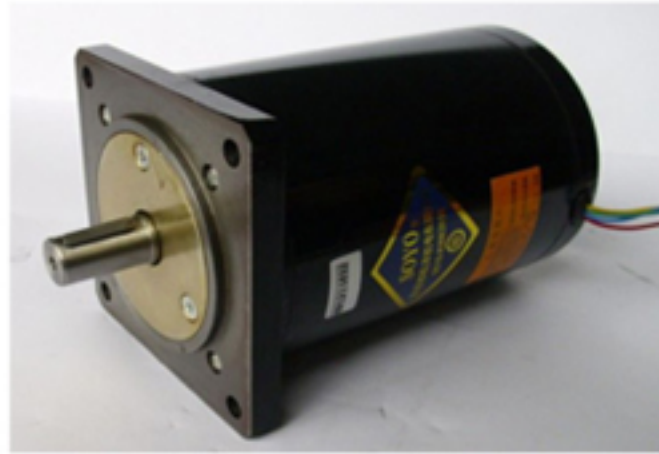


# 90mm 2 Phase Hybrid Stepping Motor

Step angle	----	1.8°
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	----	0.3mm Max(450g load)
Shaft Radial Play	----	0.025mm Max(450g load)
Max Axial Force	----	60N
Max Radial Force	----	220N(20mm from the flange)
Insulation Class	----	B



## \* 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
SY90ST71-4004A	150071000	3.24	4	0.81	4.31	1.2	4	1.2	2.56	71
SY90ST101-4004A	150101000	4.04	4	1.01	7.87	4	4	2.4	3.7	101
SY90ST131-4004A	150131000	4.8	4	1.2	10.03	6	4	3.6	4.8	131

## \* Dimension

