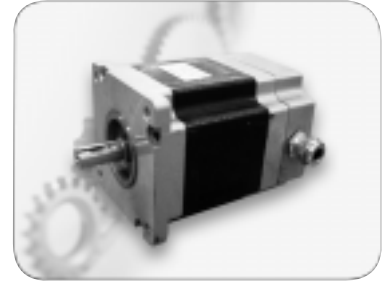




# Size 110mm 3-Phase Hybrid Stepping Motor

## ● General Specification for High Torque Hybrid Stepping Motor

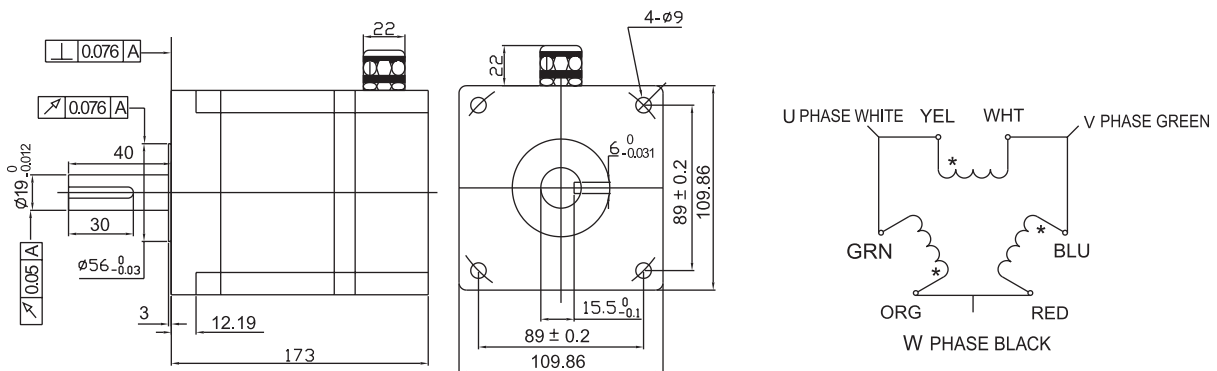
Item	Specifications
Step Angle	1.2°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%
Inductance Accuracy	± 20%
Temperature Rise	100°C Max. (rated current)
Ambient Temperature	-20°C ~ +50°C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	1800VAC, 1s, 5mA
Shaft Radial Play	0.025mm @ 5N
Shaft Axial Play	0.075mm @ 10N
Max. radial force	330N (20mm from the flange)
Max. axial force	100N
Insulation class	F



## ● Size 110mm 3-Phase Hybrid Stepping Motor Specifications

Model No.	Max.starting speed	Voltage /Phase	Current /Phase	Holding Torque	Ratedng Torque	Rotor Inertia	Weight	Length
unit	Rpm/s	VDC	A	N.m	N.m	g-cm <sup>2</sup>	kg	mm
FL1103P170-01	4.7	325	4.1	13.92	12	10500	8	173

## ● Dimension



## ● Pull out Torque Curve

