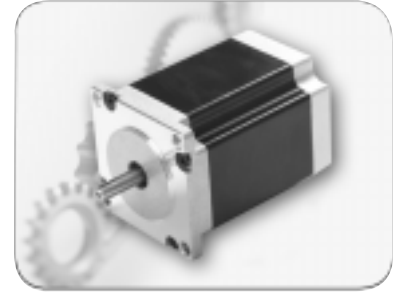


# 0.9° Size 57mm High Torque Hybrid Stepping Motors

## ● General Specification for High Torque Hybrid Stepping Motor

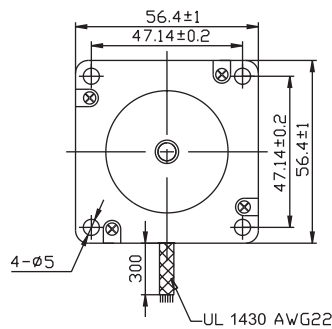
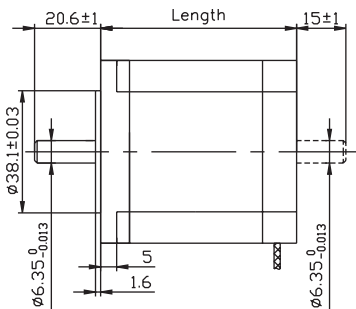
Item	Specifications
Step Angle	0.9°
Step Angle Accuracy	± 5% (full step, no load)
Resistance Accuracy	± 10%(20°C)
Inductance Accuracy	± 20%(1kHz)
Temperature Rise	80°C Max.(rated current,2 phase on)
Ambient Temperature	-20°C~+50°C
Insulation Resistance	100MΩ Min. ,500VDC
Dielectric Strength	500VAC for one minute
Shaft Radial Play	0.02Max. (450 g-load)
Shaft Axial Play	0.08Max. (450 g-load)
Max. radial force	75N (20mm from the flange)
Max. axial force	15N



## ● Size 57mm High Torque Hybrid Stepping Motor Specifications

Model No.		Rated Voltage	Current /Phase	Resistance /Phase	Inductance /Phase	Holding Torque	# of Leads	Rotor Inertia	Weight	Detent Torque	Length
Single Shaft	Double Shaft	V	A	Ω	mH	kg-cm		g-cm <sup>2</sup>	kg	kg-cm	mm
FL57STH41-1006MA	FL57STH41-1006MB	5.7	1	5.7	8.0	3.9	6	120	0.45	0.21	41
FL57STH41-2006MA	FL57STH41-2006MB	2.8	2	1.4	2.2	3.9	6				
FL57STH41-3006MA	FL57STH41-3006MB	1.9	3	0.63	1.0	3.9	6				
FL57STH41-2804MA	FL57STH41-2804MB	2	2.8	0.7	2.2	5.5	4				
FL57STH56-1006MA	FL57STH56-1006MB	7.4	1	7.4	17.5	9.0	6	300	0.7	0.4	56
FL57STH56-2006MA	FL57STH56-2006MB	3.6	2	1.8	4.5	9.0	6				
FL57STH56-3006MA	FL57STH56-3006MB	2.3	3	0.75	1.9	9.0	6				
FL57STH56-2804MA	FL57STH56-2804MB	2.5	2.8	0.9	4.5	12.0	4				
FL57STH76-1006MA	FL57STH76-1006MB	8.6	1	8.6	23	13.5	6	480	1	0.68	76
FL57STH76-2006MA	FL57STH76-2006MB	4.5	2	2.25	5.6	13.5	6				
FL57STH76-3006MA	FL57STH76-3006MB	3	3	1	2.6	13.5	6				
FL57STH76-2804MA	FL57STH76-2804MB	3.2	2.8	1.13	5.6	18.0	4				

## ● Dimension



## ● Wiring Diagram

