

PHP57S Series

● **Key Features**

- High Torque
- Smooth Movement
- Low Inertia

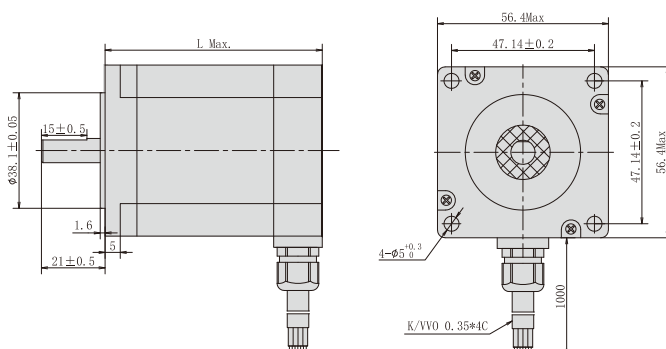


Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)

● **Specifications**

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per phase	Inductance per phase	Bi/Unipolar	Rotor Inertia	
		N.m	oz-in	A	ohm	mH	# of Leads	g.cm ²	oz-in ²
PHP57S60 60mm	PHP57S60-410-IP65	1.2	1.68	1.0	6.0	22.0	Bi (4)	280	1.540
	PHP57S60-420-IP65	1.2	1.68	2.0	1.65	5.7	Bi (4)	280	1.540
	PHP57S60-430-IP65	1.2	1.68	3.0	0.74	2.4	Bi (4)	280	1.540
PHP57S80 80mm	PHP57S80-420-IP65	2.0	2.80	2.0	2.5	9.7	Bi (4)	480	2.640
	PHP57S80-430-IP65	2.0	2.80	3.0	1.15	4.4	Bi (4)	480	2.640
	PHP57S80-440-IP65	2.0	2.80	4.0	0.65	2.5	Bi (4)	480	2.640

● **Mechanical Dimension**



Series	L	Mass
	mm (in.)	kg (lb.)
PHP57S60	60 (2.36)	0.65 (1.43)
PHP57S80	80 (3.14)	1.05 (2.31)