

NEMA 34

1.8°

Round



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	1500VAC for one minute
Shaft Radial Play	0.02 Max. (450 g-load)
Shaft Axial Play	0.08 Max. (450 g-load)

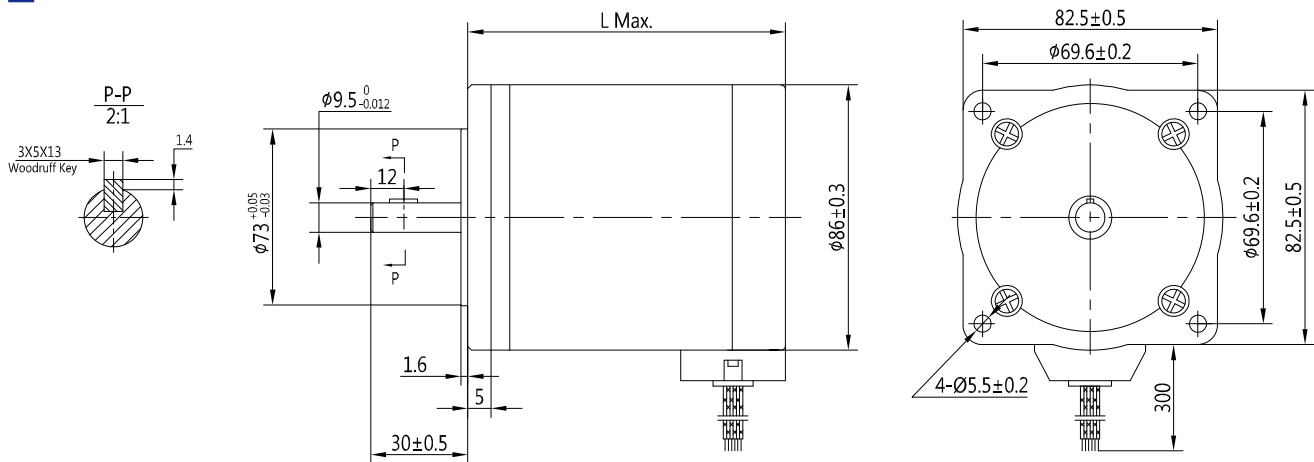
## Specifications

Model	Current	Resistance	Inductance	Holding Torque	Bi/Unipolar	Detent Torque	Rotor Inertia	Weight	Length
	A/∅	Ω/∅	mH/∅	N.cm	# of Leads	N.cm	Kg.cm <sup>2</sup>	kg	mm
PHB86K63-801	3.0	0.95	7.2	250	Bi-P (8)	4.5	0.64	1.6	63
	1.5	3.8	28.8	250	Bi-S (8)				
	2.1	1.9	7.2	180	Uni (8)				
PHB86K63-802	3.8	0.6	4.5	250	Bi-P (8)	4.5	0.64	1.6	63
	1.9	2.4	18.0	250	Bi-S (8)				
	2.7	1.2	4.5	180	Uni (8)				
PHB86K63-803	5.6	0.34	2.0	250	Bi-P (8)	4.5	0.64	1.6	63
	2.8	1.36	8.0	250	Bi-S (8)				
	4.0	0.68	2.0	180	Uni (8)				
PHB86K63-804	7.0	0.23	1.5	250	Bi-P (8)	4.5	0.64	1.6	63
	3.5	0.9	6.0	250	Bi-S (8)				
	5.0	0.45	1.5	180	Uni (8)				
PHB86K92-801	3.0	1.4	15	450	Bi-P (8)	6.5	1.30	2.6	92
	1.5	5.4	60	450	Bi-S (8)				
	2.1	2.7	15	320	Uni (8)				
PHB86K92-802	3.8	0.85	9.0	450	Bi-P (8)	6.5	1.30	2.6	92
	1.9	3.4	36.0	450	Bi-S (8)				
	2.7	1.7	9.0	320	Uni (8)				
PHB86K92-803	5.6	0.45	3.8	450	Bi-P (8)	6.5	1.30	2.6	92
	2.8	1.8	15.2	450	Bi-S (8)				
	4.0	0.9	3.8	320	Uni (8)				
PHB86K92-804	7.0	0.3	2.8	450	Bi-P (8)	6.5	1.30	2.6	92
	3.5	1.2	11.2	450	Bi-S (8)				
	5.0	0.6	2.8	320	Uni (8)				

## Specifications (Continued)

Model	Current	Resistance	Inductance	Holding Torque	Bi/Unipolar	Detent Torque	Rotor Inertia	Weight	Length
	A/∅	Ω/∅	mH/∅	N.cm	# of Leads	N.cm	kg.cm <sup>2</sup>	kg	mm
PHB86K122-802	3.8	1.25	12.5	630	Bi-P (8)	10.5	1.90	3.8	122
	1.9	5.0	50	630	Bi-S (8)				
	2.7	2.5	12.5	450	Uni (8)				
PHB86K122-803	5.6	0.55	5.6	630	Bi-P (8)	10.5	1.90	3.8	122
	2.8	2.2	22.4	630	Bi-S (8)				
	4.0	1.1	5.6	450	Uni (8)				
PHB86K122-804	7.0	0.4	3.6	630	Bi-P (8)	10.5	1.90	3.8	122
	3.5	1.6	14.4	630	Bi-S (8)				
	5.0	0.8	3.6	450	Uni (8)				

## Mechanical Dimension



## Wiring Diagram

