

PHB28Y Series

● **Key Features**

- Small Size
- Smooth Movement
- Low Inertia

● **Option**



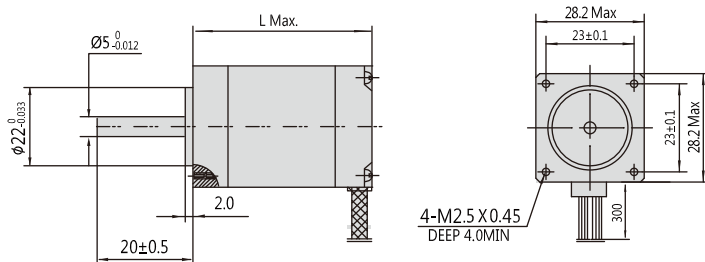
Step Angle	1.8°
Step Angle Accuracy	±5% (full step, no load)
Resistance Accuracy	±10%
Inductance Accuracy	±20%
Temperature Rise	80 °C Max.(rated current, 2 phase on)
Ambient Temperature	-20 °C ~ +50 °C
Insulation Resistance	100 MΩ Min., 500VDC
Dielectric Strength	500 VAC for one minute
Shaft Radial Play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

● **Specifications**

- Bi-polar

Series & Length	Model Number	Holding Torque		Rated Current	Resistance per phase	Inductance per phase	Detent Torque		Rotor Inertia	
		N.cm	oz-in	A	ohm	mH	N.cm	oz-in	g.cm ²	oz-in ²
PHB28Y28 28mm	PHB28Y28-401	4.5	6.3	0.6	4.2	2.2	0.3	0.42	6	0.033
	PHB28Y28-402	4.5	6.3	0.35	12	5.8	0.3	0.42	6	0.033
PHB28Y33 33mm	PHB28Y33-401	6.0	8.4	0.6	5.5	3.2	0.4	0.56	8	0.044
	PHB28Y33-402	6.0	8.4	0.35	15	9.2	0.4	0.56	8	0.044
PHB28Y41 41mm	PHB28Y41-401	8.0	11.2	0.6	7.0	6.0	0.5	0.7	11	0.061
	PHB28Y41-402	8.0	11.2	0.35	20	15	0.5	0.7	11	0.061
PHB28Y50 50mm	PHB28Y50-401	10	14	0.6	9.0	7.2	0.8	1.12	13	0.072
	PHB28Y50-402	10	14	0.35	24	18.5	0.8	1.12	13	0.072

● **Mechanical Dimension**



Series	L	Mass
	mm (in.)	g (lb.)
PHB28Y28	28 (1.10)	95 (0.19)
PHB28Y33	33 (1.29)	110 (0.24)
PHB28Y41	41 (1.61)	140 (0.30)
PHB28Y50	50 (1.96)	180 (0.39)

2Phase Hybrid Stepper Motor

3Phase Hybrid Stepper Motor

5Phase Hybrid Stepper Motor

Hybrid Stepper Gear Motor

Lead Screw Linear Actuator

Ball Screw Linear Actuator

IP65 Stepper Motor

Hollow Shaft Stepper Motor

Stepper Motor With Brake

Pancake Stepper Motor

PM Stepper Motor

Can-Stack Stepper Linear Actuator

PM Stepper Gear Motor

Stepper Motor Drive