

PHG20Y Series

● Key Features

- Small Size
- Long Life
- High Precision



● Stepper Motor Electrical Specifications

Series Model	Rated Current (A)	Phase Resistance (Ω)	Phase Inductance (mH)	Lead Wire (No.)	Holding Torque (N.cm)	Motor Length L (mm)	Rotor Inertia (g.cm <sup>2</sup> )	Motor Weight (g)	Step Angle (°)
PHG20Y28-406	0.6	3.2	0.9	4	1.8	31	2.5	50	1.8
PHG20Y34-406		4.5	1.2		2.0	37	3.2	70	
PHG20Y40-406		5.8	1.6		3.0	43	4.5	82	

● Planetary Gearbox Technical Data

Gear Ratio	Length (mm)	Efficiency	Rated Torque (N.m)	Permissible Torque (Max)(N.m)	Noise (dB)	Backlash min. at No-load	Weight (g)
1 Stage	3.71	90%	0.1	0.3	@1m ≤60dB	≤60arcmin	35
	5.18						
2 Stage	14	81%	0.4	1.2			44
	19						
	27						
3 Stage	51	73%	0.8	2.5			53
	71						
	100						
	139						

● Dimensions(Unit:mm)

