

PHG35S 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 (°)
PHG35S28-402	0.8	4.2	4.5	4	14	31	12	120	1.8
PHG35S34-402	0.8	7.5	9.8		20	37	18	160	
PHG35S52-420	2.0	1.6	2.3		40	55	26	230	

● Planetary Gearbox Technical Data

Gear Ratio		Length L1 (mm)	Efficiency	Rated Torque (N.m)	Permissible Torque (Max) (N.m)	Noise (dB)	Backlash min. at No-load	Weight (g)
1 Stage	3.71	25.6	90%	0.3	1.0	@1m ≤60dB	≤60arcmin	113
	5.18							
	6.75							
2 Stage	14	34	81%	1.2	3.5	@1m ≤60dB	≤60arcmin	145
	19							
	27							
	35							
	46							
3 Stage	51	42	73%	2.5	7.5	@1m ≤60dB	≤60arcmin	184
	71							
	100							
	139							
	181							
	236							
307								

● Dimensions(Unit:mm)

