

BDSG-37-40-12V - DC Motors With Spur Gearboxes



FEATURES

- **DC Brush Gearmotor**
- **Designed for High Volume Applications**
- **Up to 250 oz-in (18 kg-cm) of Peak Torque**
- **Up to 83 oz-in (6kg-cm) of Continuous Torque**
- **37mm Motor Diameter**



DESCRIPTION

The BDSG-37-40 Series was designed for high volume OEM applications with low cost being the primary objective. Available in ten gear ratios from 6 to 100, the BDSG-37-40 Series gear motor offers continuous torque of up to 83 oz-in. These motors are fully reversible. The BDSG-37-40 Series gear motors are a cost-effective solution to manage motion control in many rotary applications including medical, semiconductor, pumps, robotics, CNC, or any other situation when a low cost Brush DC gear motor is needed.

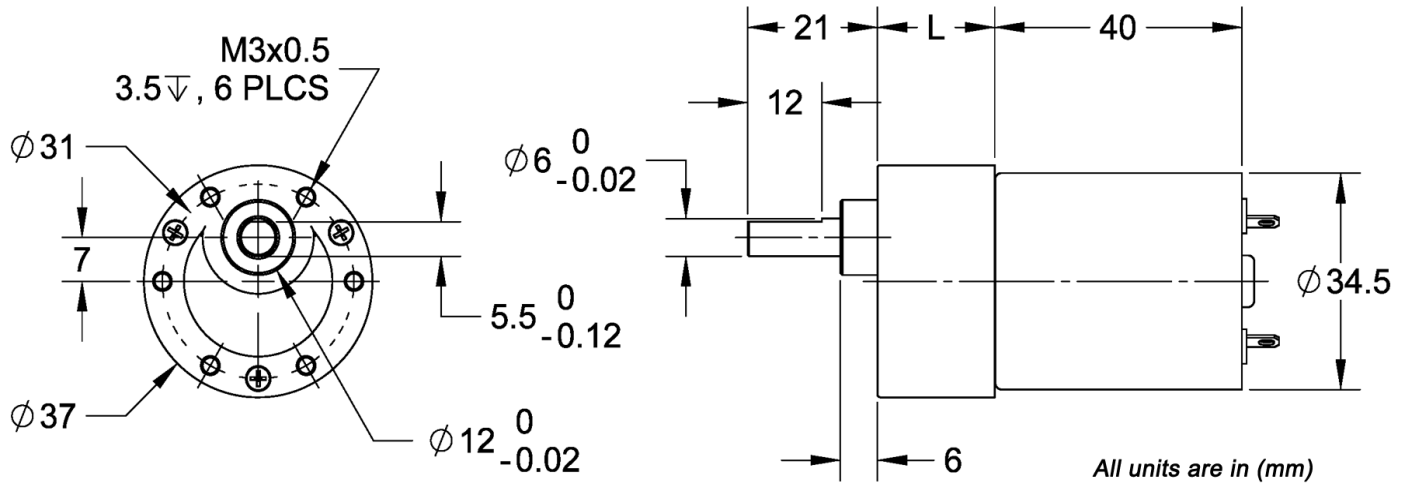
SPECIFICATIONS

Motor Specs	No Load Speed (RPM)	Rated Speed (RPM)	Rated Voltage (V)	No Load Current (A)	Output Power (W)	Rated Current (A)	Stall Current (A)	Motor Length (mm)
	5000	3600	12	0.11	4.2	0.57	2.2	.40

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	L Length (mm)	Rotation Direction
BDSG-37-40-12V-5000-R6	6	830	710	4.1	42	19.0	CCW
BDSG-37-40-12V-5000-R10	10	500	430	8.2	42	19.0	CCW
BDSG-37-40-12V-5000-R18	18	270	230	14	83	21.5	CW
BDSG-37-40-12V-5000-R30	30	160	140	24	83	21.5	CW
BDSG-37-40-12V-5000-R50	50	100	86	36	167	24.0	CCW
BDSG-37-40-12V-5000-R75	75	65	57	54	167	24.0	CCW
BDSG-37-40-12V-5000-R100	100	50	43	72	167	24.0	CCW
BDSG-37-40-12V-5000-R150	150	33	28	83	250	26.5	CW
BDSG-37-40-12V-5000-R200	200	25	21	83	250	26.5	CW
BDSG-37-40-12V-5000-R250	250	20	17	83	250	26.5	CW
BDSG-37-40-12V-5000-R300	300	16	14	83	250	26.5	CW

L011633

DIMENSIONS



SPECIFICATIONS

Housing Material:	Steel	Bearing at Output:	Ball Bearing
Radial Load:	99lbs - Force	Shaft Press Fit Force, Max:	22lbs
Operating Temperature:	14° - 104° F	Humidity:	90% - 95%