

BDSG-80-100 Series



FEATURES

- **DC Brush Spur Gearmotor**
- **Designed for High Volume Applications**
- **Up to 1416 oz-in of Continuous Torque**
- **80mm Motor Diameter**
- **Custom Versions are available**



DESCRIPTION

The BDSG-80-100 Series was designed for high-volume OEM applications with low cost being the primary objective. Available in gear ratios from 3 to 75, the BDSG-80-100 Series gearmotor offers continuous torque of up to 1416 oz-in. These motors are fully reversible. The BDSG-80-100 Series gearmotors 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 Spur gearmotor is needed.

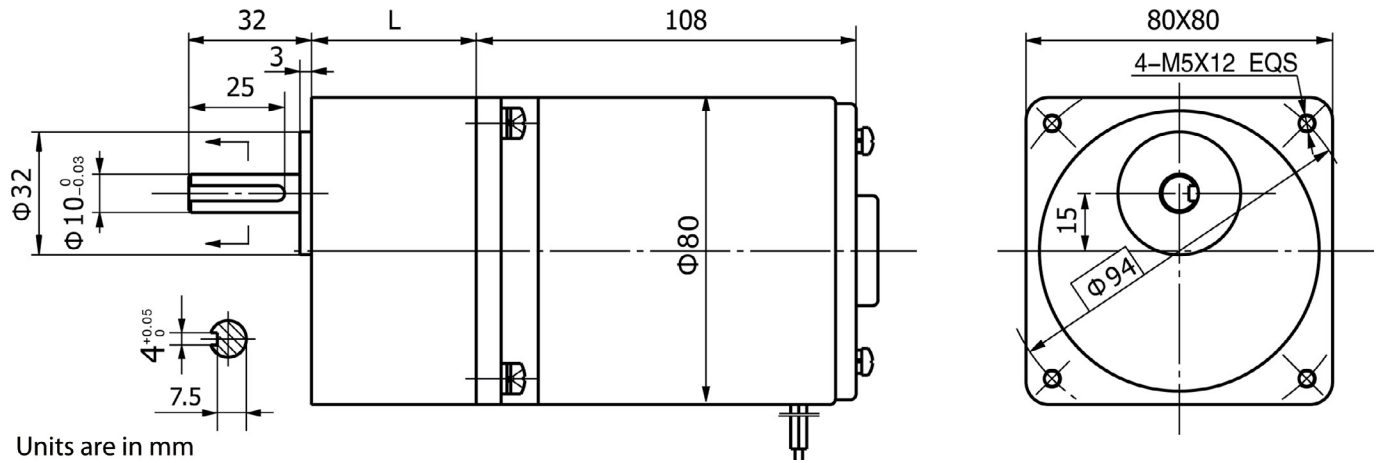
SPECIFICATIONS

Motor Specs	No Load Speed (RPM)	Rated Voltage (VDC)	No Load Current (A)	Output Power (W)	Rated Current (A)	Stall Current (A)
	3000	24	0.5	80	5.0	22

Model #	Gear Ratio	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (oz-in)	Peak Torque (oz-in)	Weight (lbs)	L Length (mm)	Overall Length (mm)
BDSG-80-100-24V-3000-R3	3	1000	800	114.7	708.1	4.72	32	140
BDSG-80-100-24V-3000-R5	5	600	520	169.9	708.1	4.72	32	140
BDSG-80-100-24V-3000-R6	6	500	433	212.4	708.1	4.72	32	140
BDSG-80-100-24V-3000-R7.5	7.5	400	347	254.9	708.1	4.72	32	140
BDSG-80-100-24V-3000-R9	9	333	289	311.5	708.1	4.72	32	140
BDSG-80-100-24V-3000-R10	10	300	260	339.8	708.1	4.72	32	140
BDSG-80-100-24V-3000-R12.5	12.5	240	208	424.8	708.1	4.72	32	140
BDSG-80-100-24V-3000-R15	15	200	173	509.8	708.1	4.72	32	140
BDSG-80-100-24V-3000-R18	18	167	144	623.1	708.1	4.72	32	140
BDSG-80-100-24V-3000-R20	20	150	130	623.1	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R25	25	120	104	778.8	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R30	30	100	87	934.6	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R36	36	83	72	1118.7	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R40	40	75	65	1246.2	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R50	50	60	52	1401.9	2124.2	5.51	43	151
BDSG-80-100-24V-3000-R60	60	50	43	1416.1	2832.2	5.51	43	151
BDSG-80-100-24V-3000-R75	75	40	35	1416.1	2832.2	5.51	43	151

L012051

DIMENSIONS



TORQUE CURVE

