

BDBSG-80-263 Series - Permanent Magnet (PM) DC Motors with Spur Gearboxes



FEATURES

- DC Brush Gearmotor
- Up to 4800 oz-in of Torque
- 103.9 mm Gearmotor Diameter
- Custom Versions are Available
- CE Certified and RoHS Compliant
- 8 Gear Ratios Ranging from 5 to 81.8



DESCRIPTION

The BDBSG-80-263 Series Brush DC Spur Gearmotor is a high-quality affordable solution for motion control applications such as medical, semiconductor, pumps, robotics, CNC, and many more. Choose the ideal gearmotor for your application by selecting from 8 available gear ratios ranging from 5:1 to 81.8:1. This large product offering is sure to fit your automation requirements at cost-effective prices. The 90V, BDBSG-80-263 series gearmotors have high output and continuous torque of up to 4,800 oz-in. These gearmotors measure 80 mm in diameter.

SPECIFICATIONS

Model #	Rated Speed (RPM)	Torque (oz-in)	Nominal Voltage	Gear Ratio	Input (HP)	Stages	Overhung Load	Rated Current (A)	Weight (lbs)	Body Length (mm)	Shaft Diameter (mm)
BDBSG-80-263-90V-1800-R5	360	320	90	5.0	1/8	2	200	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R10.6	170	672	90	10.6	1/8	2	208	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R15	121	944	90	15.0	1/8	2	225	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R19.1	94	1,216	90	19.1	1/8	2	242	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R28.1	64	1,792	90	28.1	1/8	2	264	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R42.9	42	2,656	90	42.9	1/8	3	250	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R58.3	30	3,680	90	58.3	1/8	3	291	1.33	13	264.2	15.88
BDBSG-80-263-90V-1800-R81.8	22	4,800	90	81.8	1/8	3	322	1.16	13	264.2	15.88

*Maximum overhung load on center of output shaft **Output torque is gear limited

Gearing: AGMA Class 9 Heat Treated Steel

Housing: Precision Machined Die Cast Aluminum

Lubrication: Lifetime Oil Bath, Sealed and Gasketed

Bearings: Needle and Thrust Ball

Shafts: Hardened Steel

Finish: Gloss Black Powder Coat

DIMENSIONS

