

# BDPG-36-57 Brush DC Gearmotor



FEATURES

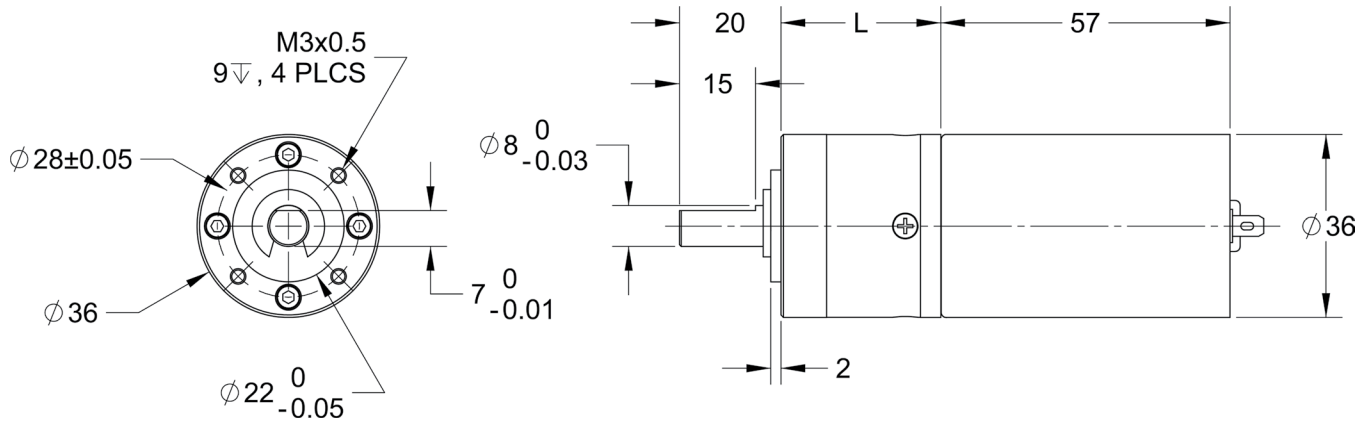
- DC Brush Motor with Planetary Gearbox
- Designed for High-Volume Applications
- Up to 30kg-cm of Rated Torque
- 1.42 Inch Motor Body Diameter
- Gear Ratios Ranging up to 369:1



DESCRIPTION

The BDPG-36-57 Series is designed for high-volume OEM applications with low cost being the primary objective. These Brush DC Planetary Gearmotors come in variety of power levels, sizes, and gear ratios, and will be sure to fit your application's requirements. These motors are fully reversible and 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 Planetary Gearmotor is needed.

DIMENSIONS



SPECIFICATIONS

## BDPG-36-57-24V-3000-Rxx

Rated Voltage: 24VDC  
Output Power: 4.5W

No-Load Current: 100mA  
Rated Current: 0.52A

Stall Current: 2.2A

Gear Ratio (xx)	Exact Gear Ratio	Length (L)	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (kg-cm)	Maximum Torque (kg-cm)	Rotation Direction
4	3.71	1.49	810	675	0.52	3.4	CCW
5	5.18	1.49	577	480	0.74	4.8	CCW
14	13.76	1.49	214	178	1.9	13	CW
19	19.22	1.49	157	131	2.5	18	CW
27	26.83	1.49	111	92	3.6	25	CW
51	51.06	1.87	59	49	6.5	47	CCW
71	71.30	1.87	42	35	9.1	60	CCW
100	99.55	1.87	30	25	13	60	CCW
139	138.99	1.87	21	18	18	60	CCW
189	189.45	2.17	16	14	23	60	CW
264	264.52	2.17	11	9.5	30	60	CW
369	369.32	2.17	8	7.2	30	60	CW

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## BDPG-36-57-24V-3600-Rxx

Rated Voltage: 24VDC  
Output Power: 5W

No-Load Current: 120mA  
Rated Current: 0.50A

Stall Current: 2.0A

Gear Ratio (xx)	Exact Gear Ratio	Length (L)	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (kg-cm)	Maximum Torque (kg-cm)	Rotation Direction
4	3.71	1.49	972	810	0.60	3.3	CCW
5	5.18	1.49	692	577	0.84	4.6	CCW
14	13.76	1.49	257	214	2.1	12	CW
19	19.22	1.49	189	157	2.9	17	CW
27	26.83	1.49	133	111	4.1	24	CW
51	51.06	1.87	70	59	7.4	45	CCW
71	71.30	1.87	50	42	10	60	CCW
100	99.55	1.87	36	30	14	60	CCW
139	138.99	1.87	25	22	20	60	CCW
189	189.45	2.17	19	16	26	60	CW
264	264.52	2.17	13	12	30	60	CW

## BDPG-36-57-24V-4200-Rxx

Rated Voltage: 24VDC  
Output Power: 7W

No-Load Current: 120mA  
Rated Current: 0.52A

Stall Current: 1.5A

Gear Ratio (xx)	Exact Gear Ratio	Length (L)	No Load Speed (RPM)	Rated Speed (RPM)	Rated Torque (kg-cm)	Maximum Torque (kg-cm)	Rotation Direction
4	3.71	1.49	1135	986	0.66	2.5	CCW
5.2	5.18	1.49	807	702	0.94	3.5	CCW
14	13.76	1.49	300	260	2.4	9	CW
19	19.22	1.49	221	192	3.2	13	CW
27	26.83	1.49	155	135	4.6	18	CW
51	51.06	1.87	82	71	8.2	35	CCW
71	71.30	1.87	59	51	11	48	CCW
100	99.55	1.87	42	36	16	60	CCW
139	138.99	1.87	30	26	22	60	CCW
189	189.45	2.17	22	19	29	60	CW
264	264.52	2.17	16	14	30	60	CW