

BRUSHLESS DC motors & gearmotors

CHARACTERISTICS

- Standard hall effect outputs
- Suitable for low and line voltage applications
- Totally enclosed construction
- High power density
- High starting torque
- Variable speed operation
- Low maintenance
- 20,000+ hours of life
- Can run on AC or DC voltage

CONSIDERATIONS

- Requires control to operate
- Cogging may occur at low speeds
- Rare earth magnets and hall effects increase motor cost



FRACTIONAL HORSEPOWER

gearbox specifications

	PARALLEL SHAFT	PLANETARY	RIGHT ANGLE	RIGHT ANGLE PLANETARY
GEARS	spur and helical	spur and helical	worm	spur and bevel
MAX INPUT SPEED	4000 rpm	4000 rpm	2800 rpm	3500 rpm
MAX OUTPUT TORQUE	322 in-lb	1062 in-lb	708 in-lb	885 in-lb
MAX EFFICIENCY	90%	95%	80%	90%
BACK DRIVABILITY	yes	yes	yes (below 30:1 ratio)	yes
GEAR RATIOS	5:1 - 320:1	5:1 - 1000:1	5:1 - 100:1	5:1 - 1000:1

*Numbers based on optimal gear life at continuous duty

Because Brushless motors are electronically commutated, they require the use of a control to operate. Groschopp BLDC controls are designed and built to work well with the Groschopp line of Brushless DC motors and gearmotors.



LOW NOISE



LOW MAINTENANCE



LIFE



SPEED REGULATION



frame size
65

Voltage*	Speed (RPM)	Power (hp)	Torque (lb-in)
24	2600 - 2900	0.08 - 0.20	1.9 - 4.4
163 (115v AC)	3700 - 3800	0.10 - 0.29	1.6 - 4.7

*Other voltages available upon request

frame size
80

Voltage*	Speed (RPM)	Power (hp)	Torque (lb-in)
24	2300	0.10	2.7
163 (115v AC)	2500 - 3000	0.14 - 0.43	3.6 - 10.8

*Other voltages available upon request

motor only specifications

Sold & Serviced By:

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