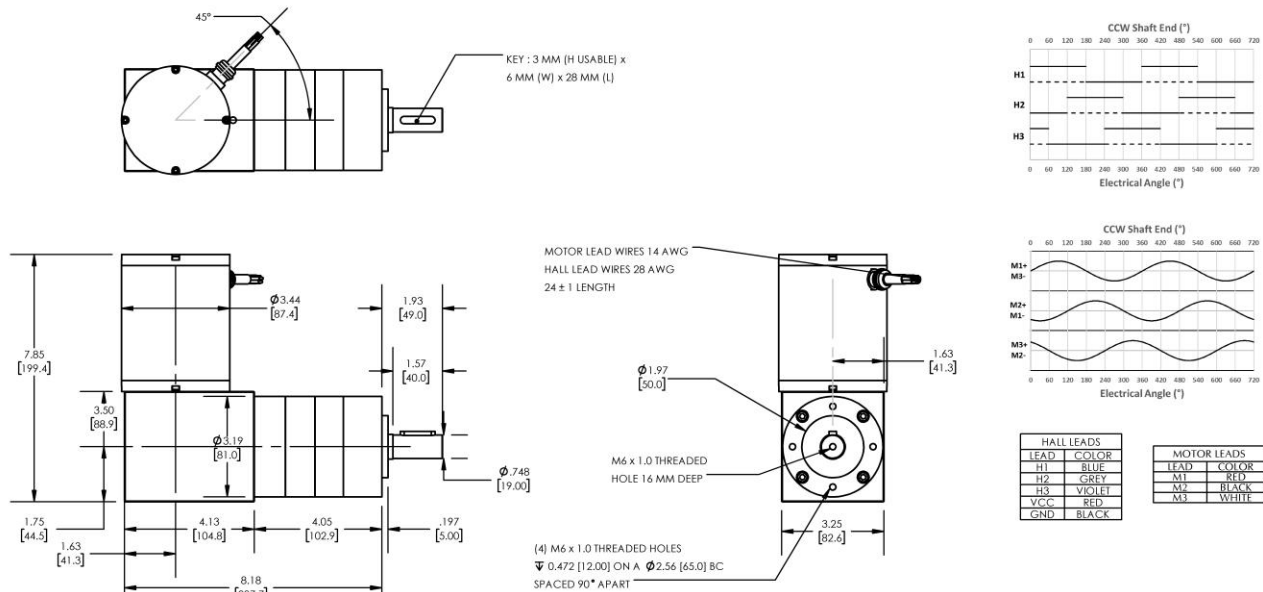




REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

Model Number:

MMP BL87-435G-120V GRA81-150



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

Technical drawing of the planetary gearmotor showing dimensions in inches and millimeters:

- Overall height: 7.85 [199.4]
- Mounting bracket height: 1.75 [44.5]
- Mounting bracket width: 1.63 [41.3]
- Mounting bracket hole diameter: $\phi 3.44$ [87.4]
- Mounting bracket hole position: 1.93 [49.0]
- Mounting bracket hole diameter: 1.57 [40.0]
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- Mounting bracket hole diameter: 1.93 [49.0]
- Mounting bracket

MIDWEST MOTION PRODUCTS, INC

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

www.midwestmotion.com

email: sales@midwestmotion.com



REVERSIBLE BRUSHLESS DC RIGHT-ANGLED GEARMOTOR

	Rated Continuous Power Out	502	WATT S	+/- 15%		
	Rated Continuous Torque	195	OZ-IN	-----		
	Peak Torque (motor only)	564	OZ-IN	-----		
	No-Load Current	0.44	AMPE RES	MAX		
	Back EMF Constant (Ke)	25.9	V/KRPM	+/- 10%		
	Torque Constant (Kt)	35.0	OZ-IN/AMP	+/- 10%		
	DC Armature Resistance	4.97	OHMS	+/- 15%		
	Armature Inductance	2.84	mH	+/- 15%		
	Armature temperature	155	DEG. C	MAX		
Gearhead Ratio (exact)	139.13 : 1					
Gearhead Shaft Output Speed (at full-load)	25				RPM	MAX
Gearmotor Rated Continuous Torque	1187				In-Lbs	MAX
Gearmotor Rated Peak Torque	2124++				In-Lbs	-----
Gearhead Standard Backlash	36				Arc Minute s	MAX
Gearhead Efficiency	70%				-----	-----
Output Shaft Radial Load Capacity	225				Lbs	MAX
Output Shaft Axial Load Capacity	45				Lbs	MAX
Gearmotor Total Weight	17				Lbs	MAX

++ All Peak Torque values are dependent upon duty. Contact our sales office for details.

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNIT S	TOLE RANCE
Rated DC Voltage	120	DC VOLTS	-----
Rated Continuous Current	6.0	AMPE RES	-----
No-Load Speed	4633	RPM	MAX
Rated Speed	3482	RPM	+/- 15%
Rated Continuous Power Out	502	WATT S	+/- 15%
Rated Continuous Torque	195	OZ-IN	-----
Peak Torque (motor only)	564	OZ-IN	-----
No-Load Current	0.44	AMPE RES	MAX
Back EMF Constant (Ke)	25.9	V/KRPM	+/- 10%
Torque Constant (Kt)	35.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance	4.97	OHMS	+/- 15%
Armature Inductance	2.84	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

NOTES:

- ENCODER & BRAKE OPTIONS AVAILABLE – [FOLLOW THIS LINK FOR DETAILS](#)
- NEMA MOUNTING FLANGE OPTION AVAILABLE – [FOLLOW THIS LINK FOR DETAILS](#)

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DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

www.midwestmotion.com

email: sales@midwestmotion.com