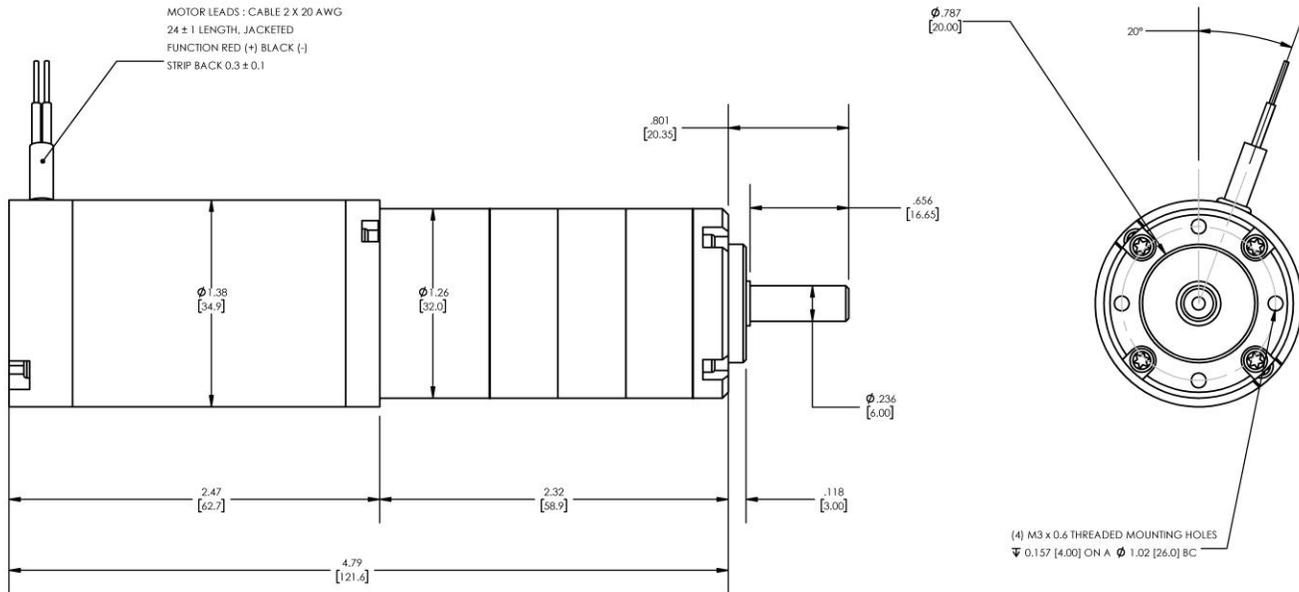


Model Number:
MMP S14-247D-12V GP32-051


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	50.89 : 1		
Gearhead Shaft Output Speed (at full-load)	71	RPM	MAX
Gearmotor Rated Continuous Torque	18	In-Lbs	MAX
Gearmotor Rated Peak Torque	48++	In-Lbs	----
Gearhead Standard Backlash	96	Arc Minutes	MAX
Gearhead Efficiency	70%	----	----
Output Shaft Radial Load Capacity	23	Lbs	MAX
Output Shaft Axial Load Capacity	7	Lbs	MAX
Gearmotor Total Weight	1.2	Lbs	MAX

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

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	12	DC VOLTS	----
Rated Continuous Current	3.25	AMPERES	----
No-Load Speed	5217	RPM	MAX
Rated Speed	3590	RPM	+/- 15%
Rated Continuous Power Out	21	WATTS	+/- 15%
Rated Continuous Torque	8.0	OZ-IN	----
Peak Torque (motor only)	22	OZ-IN	----
No-Load Current	0.68	AMPERES	MAX
Back EMF Constant (Ke)	2.3	V/KRPM	+/- 10%
Torque Constant (Kt)	3.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	1.15	OHMS	+/- 15%
Armature Inductance	0.16	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](#)

MIDWEST MOTION PRODUCTS

DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

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