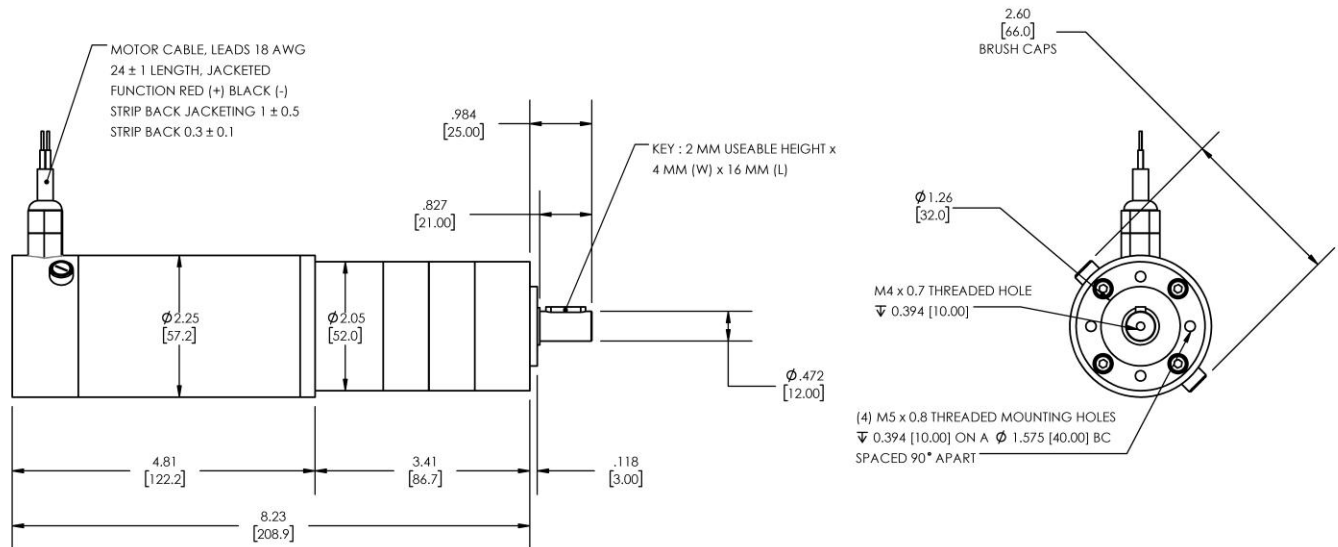


**Model Number:****MMP D22-490G-60V GP52-014**

DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	13.73 : 1		
Gearhead Shaft Output Speed (at full-load)	282	RPM	MAX
Gearmotor Rated Continuous Torque	33	In-Lbs	MAX
Gearmotor Rated Peak Torque	123++	In-Lbs	----
Gearhead Standard Backlash	45	Arc Minutes	MAX
Gearhead Efficiency	75%	----	----
Output Shaft Radial Load Capacity	72	Lbs	MAX
Output Shaft Axial Load Capacity	23	Lbs	MAX
Gearmotor Total Weight	4.6	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	60	DC VOLTS	----
Rated Continuous Current	3.27	AMPERES	----
No-Load Speed	4800	RPM	MAX
Rated Speed	3878	RPM	+/- 15%
Rated Continuous Power Out	146	WATTS	+/- 15%
Rated Continuous Torque	51	OZ-IN	----
Peak Torque (motor only)	192	OZ-IN	----
No-Load Current	0.26	AMPERES	MAX
Back EMF Constant (Ke)	12.5	V/KRPM	+/- 10%
Torque Constant (Kt)	16.9	OZ-IN/AMP	+/- 10%
DC Armature Resistance	3.53	OHMS	+/- 15%
Armature Inductance	4.60	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**www.midwestmotion.comemail: sales@midwestmotion.com