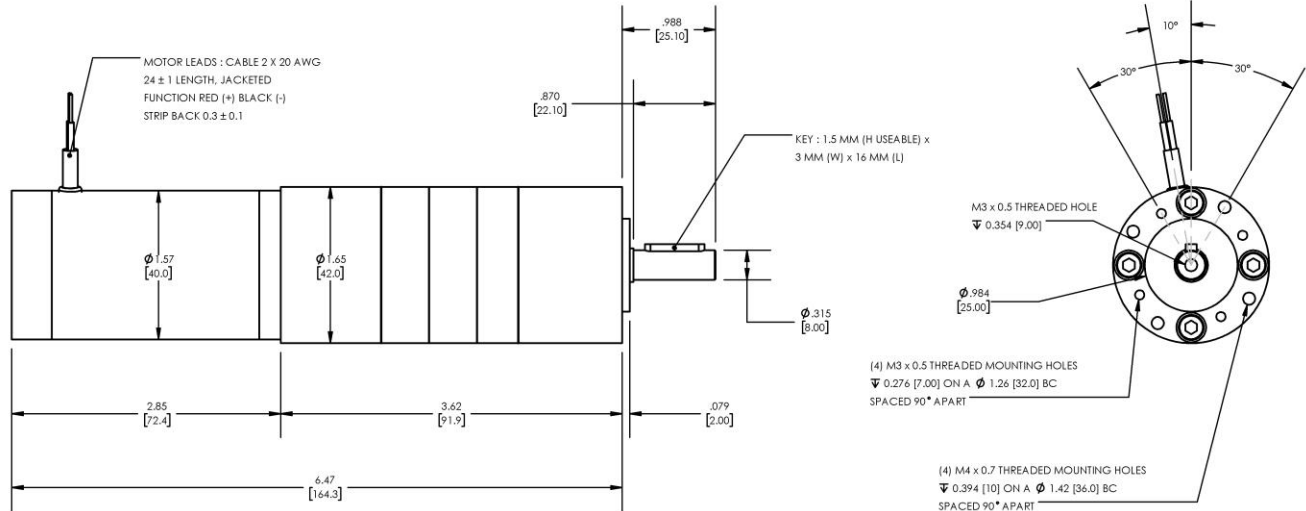


**Model Number:**
**MMP TM40-285E-48V GP42-169**


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	168.84 : 1		
Gearhead Shaft Output Speed (at full-load)	33	RPM	MAX
Gearmotor Rated Continuous Torque	52	In-Lbs	MAX
Gearmotor Rated Peak Torque	<b>149++</b>	In-Lbs	----
Gearhead Standard Backlash	60	Arc Minutes	MAX
Gearhead Efficiency	70%	----	----
Output Shaft Radial Load Capacity	68	Lbs	MAX
Output Shaft Axial Load Capacity	25	Lbs	MAX
Gearmotor Total Weight	1.9	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	48	DC VOLTS	----
Rated Continuous Current	0.98	AMPERES	----
No-Load Speed	7619	RPM	MAX
Rated Speed	5525	RPM	+/- 15%
Rated Continuous Power Out	29	WATTS	+/- 15%
Rated Continuous Torque	7.1	OZ-IN	----
Peak Torque (motor only)	20	OZ-IN	----
No-Load Current	0.14	AMPERES	MAX
Back EMF Constant (Ke)	6.3	V/KRPM	+/- 10%
Torque Constant (Kt)	8.5	OZ-IN/AMP	+/- 10%
DC Armature Resistance	13.50	OHMS	+/- 15%
Armature Inductance	6.16	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, INC

## DESIGN, MANUFACTURING & DISTRIBUTION - MOTION CONTROL EQUIPMENT

[www.midwestmotion.com](http://www.midwestmotion.com)

email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)