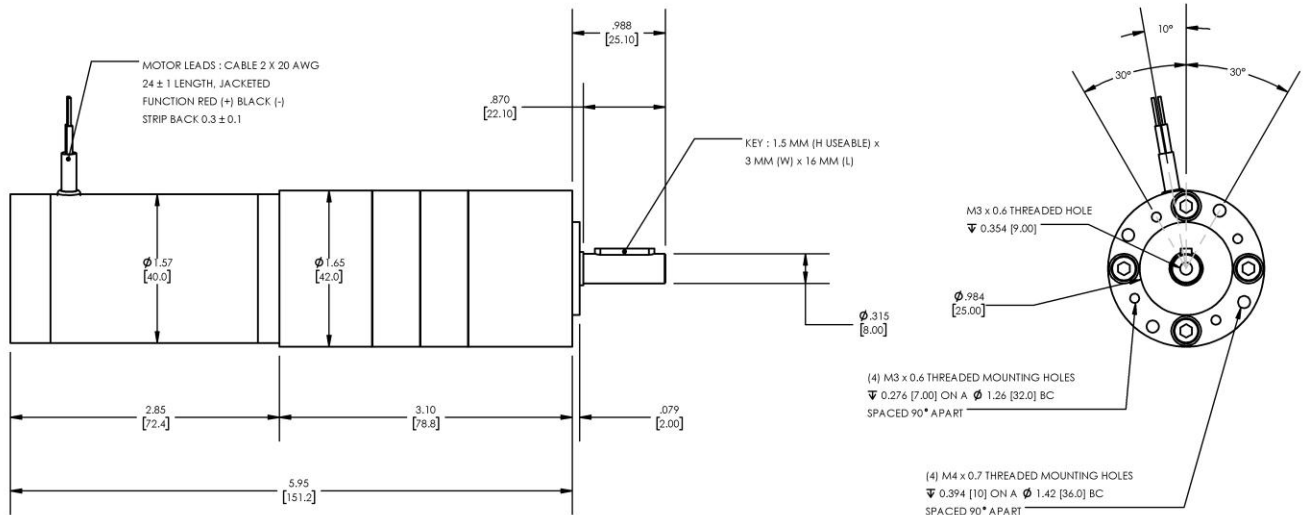


**Model Number:**
**MMP TM40-285B-24V GP42-014**


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)	429	RPM	MAX
Gearmotor Rated Continuous Torque	3.0	In-Lbs	MAX
Gearmotor Rated Peak Torque	<b>9.5++</b>	In-Lbs	----
Gearhead Standard Backlash	57	Arc Minutes	MAX
Gearhead Efficiency	75%	----	----
Output Shaft Radial Load Capacity	52	Lbs	MAX
Output Shaft Axial Load Capacity	18	Lbs	MAX
Gearmotor Total Weight	1.6	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	24	DC VOLTS	----
Rated Continuous Current	1.45	AMPERES	----
No-Load Speed	8000	RPM	MAX
Rated Speed	5884	RPM	+/- 15%
Rated Continuous Power Out	20	WATTS	+/- 15%
Rated Continuous Torque	4.7	OZ-IN	----
Peak Torque (motor only)	15	OZ-IN	----
No-Load Current	0.30	AMPERES	MAX
Back EMF Constant (Ke)	3.0	V/KRPM	+/- 10%
Torque Constant (Kt)	4.1	OZ-IN/AMP	+/- 10%
DC Armature Resistance	4.39	OHMS	+/- 15%
Armature Inductance	1.45	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

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