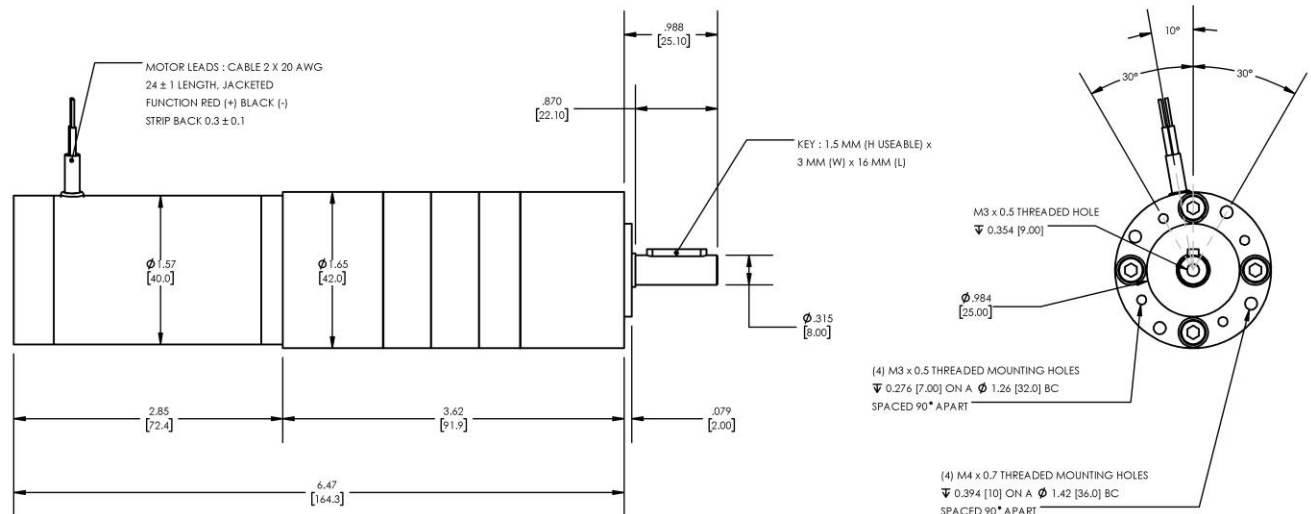




REVERSIBLE BRUSHED DC PLANETARY GEARMOTOR

Model Number:

MMP TM40-285D-36V GP42-139



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	139.13 : 1		
Gearhead Shaft Output Speed (at full-load)	39	RPM	MAX
Gearmotor Rated Continuous Torque	34	In-Lbs	MAX
Gearmotor Rated Peak Torque	108++	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	36	DC VOLTS	----
Rated Continuous Current	1.00	AMPERES	----
No-Load Speed	7200	RPM	MAX
Rated Speed	5357	RPM	+/- 15%
Rated Continuous Power Out	22	WATTS	+/- 15%
Rated Continuous Torque	5.6	OZ-IN	----
Peak Torque (motor only)	18	OZ-IN	----
No-Load Current	0.18	AMPERES	MAX
Back EMF Constant (Ke)	5.0	V/KRPM	+/- 10%
Torque Constant (Kt)	6.8	OZ-IN/AMP	+/- 10%
DC Armature Resistance	9.24	OHMS	+/- 15%
Armature Inductance	3.90	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

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