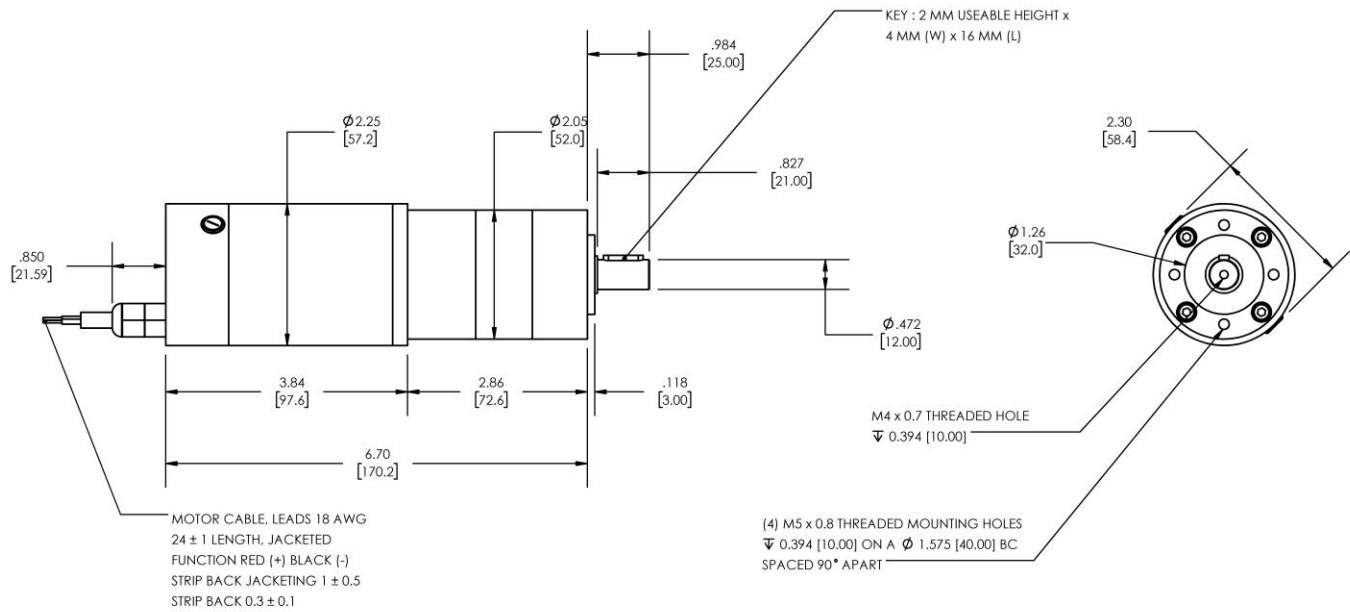


Model Number:
MMP TM57-90V GP52-04.3


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	4.28 : 1		
Gearhead Shaft Output Speed (at full-load)	870	RPM	MAX
Gearmotor Rated Continuous Torque	7.5	In-Lbs	MAX
Gearmotor Rated Peak Torque	22++	In-Lbs	----
Gearhead Standard Backlash	42	Arc Minutes	MAX
Gearhead Efficiency	80%	----	----
Output Shaft Radial Load Capacity	45	Lbs	MAX
Output Shaft Axial Load Capacity	14	Lbs	MAX
Gearmotor Total Weight	3.5	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	90	DC VOLTS	----
Rated Continuous Current	1.62	AMPERES	----
No-Load Speed	5000	RPM	MAX
Rated Speed	3723	RPM	+/- 15%
Rated Continuous Power Out	97	WATTS	+/- 15%
Rated Continuous Torque	35	OZ-IN	----
Peak Torque (motor only)	103	OZ-IN	----
No-Load Current	0.17	AMPERES	MAX
Back EMF Constant (Ke)	18.0	V/KRPM	+/- 10%
Torque Constant (Kt)	24.3	OZ-IN/AMP	+/- 10%
DC Armature Resistance	14.20	OHMS	+/- 15%
Armature Inductance	18.32	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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