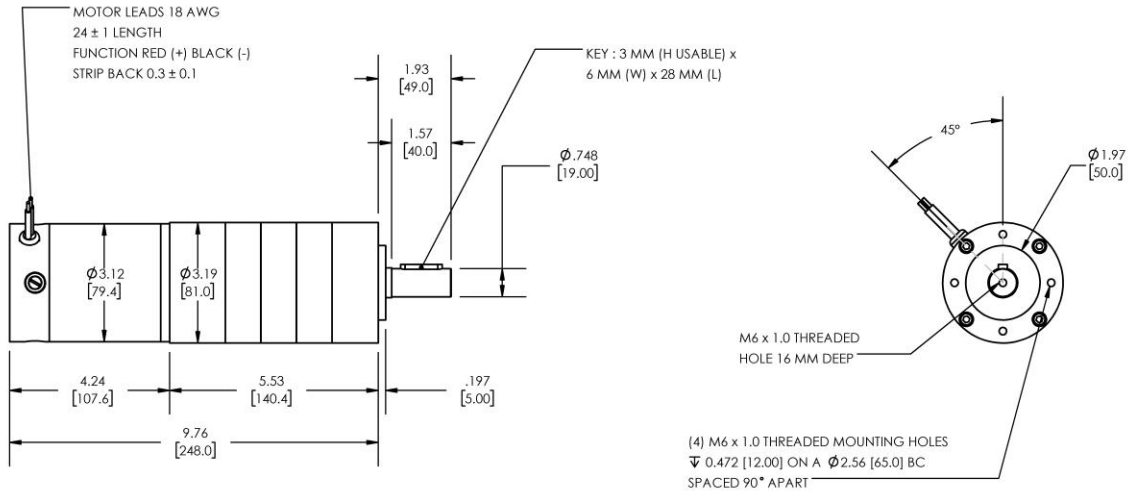


Model Number:
MMP D33-455J-90V GP81-124


DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|---------------|-------------|-----------|
| Gearhead Ratio (exact) | 123.97 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 26 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 532 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 2125++ | In-Lbs | ---- |
| Gearhead Standard Backlash | 36 | Arc Minutes | MAX |
| Gearhead Efficiency | 70% | ---- | ---- |
| Output Shaft Radial Load Capacity | 225 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 45 | Lbs | MAX |
| Gearmotor Total Weight | 13 | 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 | 3.40 | AMPERES | ---- |
| No-Load Speed | 3879 | RPM | MAX |
| Rated Speed | 3268 | RPM | +/- 15% |
| Rated Continuous Power Out | 237 | WATTS | +/- 15% |
| Rated Continuous Torque | 98 | OZ-IN | ---- |
| Peak Torque (motor only) | 451 | OZ-IN | ---- |
| No-Load Current | 0.28 | AMPERES | MAX |
| Back EMF Constant (Ke) | 23.2 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 31.4 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 4.17 | OHMS | +/- 15% |
| Armature Inductance | 3.55 | 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.com

 email: sales@midwestmotion.com