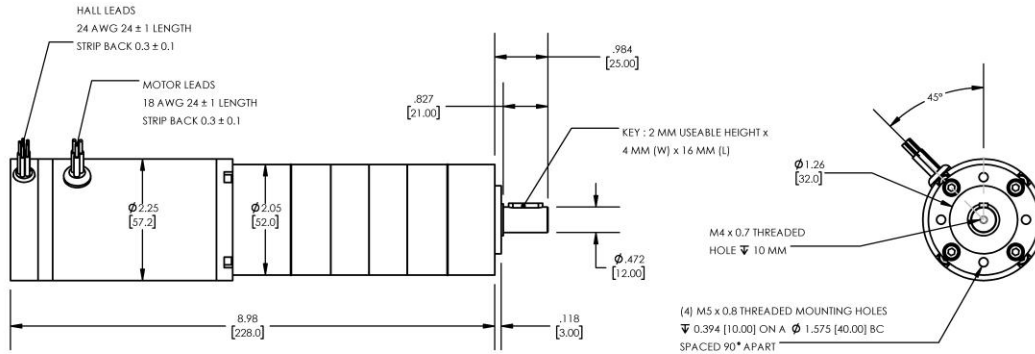
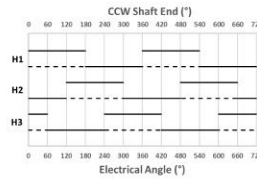


Model Number:
MMP BL58-412H-60V GP52-777

| MOTOR LEADS | |
|-------------|-------|
| LEAD | COLOR |
| M1 | RED |
| M2 | BLACK |
| M3 | WHITE |

| HALL LEADS | |
|------------|--------|
| LEAD | COLOR |
| H1 | BLUE |
| H2 | GREY |
| H3 | VIOLET |
| VCC | RED |
| GND | BLACK |



DIMENSIONS ARE INCHES [MM] UNLESS OTHERWISE STATED

| PLANETARY GEARMOTOR OUTPUT PARAMETERS: | VALUE | UNITS | TOLERANCE |
|--|------------|-------------|-----------|
| Gearhead Ratio (exact) | 776.76 : 1 | | |
| Gearhead Shaft Output Speed (at full-load) | 5.8 | RPM | MAX |
| Gearmotor Rated Continuous Torque | 442 | In-Lbs | MAX |
| Gearmotor Rated Peak Torque | 443++ | In-Lbs | ---- |
| Gearhead Standard Backlash | 51 | Arc Minutes | MAX |
| Gearhead Efficiency | 65% | ---- | ---- |
| Output Shaft Radial Load Capacity | 113 | Lbs | MAX |
| Output Shaft Axial Load Capacity | 45 | Lbs | MAX |
| Gearmotor Total Weight | 4.3 | 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 | 60 | DC VOLTS | ---- |
| Rated Continuous Current | 1.10 | AMPERES | ---- |
| No-Load Speed | 4762 | RPM | MAX |
| Rated Speed | 4485 | RPM | +/- 15% |
| Rated Continuous Power Out | 47 | WATTS | +/- 15% |
| Rated Continuous Torque | 14 | OZ-IN | ---- |
| Peak Torque (motor only) | 215 | OZ-IN | ---- |
| No-Load Current | 0.28 | AMPERES | MAX |
| Back EMF Constant (Ke) | 12.6 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 17.0 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance | 3.17 | OHMS | +/- 15% |
| Armature Inductance | 2.40 | 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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