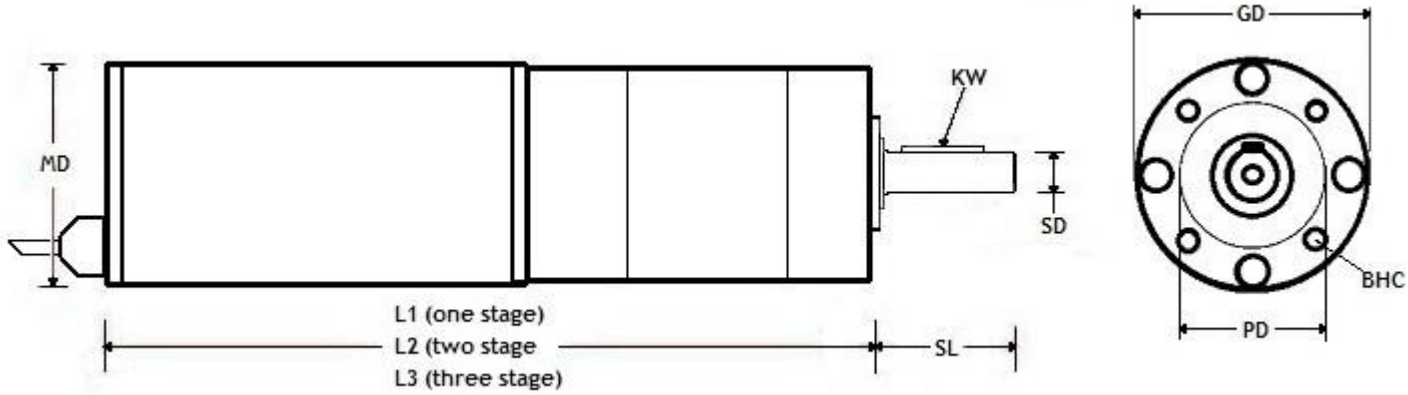
MIDWEST MOTION PRODUCTS

Date: 03 Dec, 2009 Prepared for: Production
Model Number: **MMP TM55-24V GPk52-029-LS**




**Note:** Twin Jacketed Leadwires, 11" Long, exit the Rear End Cap through a "Seal-Tight" Connector

**DIMENSIONS:**

(Note: Center of output shaft contains an M-4 threaded hole)

MD=2.17" (55mm)
L2 = 7.20" (183mm)
KW = 1/8" x 1/8" x 0.750" long
SD = 0.500"; +0, -0.0005"

SL= 1.5" (usable shaft length = 1.280")
GD = 2.047 (52mm)
PD = 32mm, pilot length = 3mm
BHC (dia) = M5 x 10mm deep (4 ea) on a 40mmØ BC

| DC MOTOR PERFORMANCE PARAMETERS: | VALUE | UNITS | TOLERANCE |
|---|---|---|---|
| Rated DC Voltage | 24.0 | DC VOLTS | ----- |
| Rated Continuous Current | 3.5 | AMPERES | ----- |
| No-Load Speed | 5000 | RPM | MAX |
| Rated Speed | 4400 | RPM | +/- 15% |
| Rated Continuous Power Out | 75 | WATTS | +/- 15% |
| Rated Continuous Torque | 23.0 | OZ-IN | ----- |
| Peak Torque (motor only) | 120 | OZ-IN | ----- |
| No-Load Current | 0.62 | AMPERES | MAX |
| Back EMF Constant (Ke) | 4.8 | V/KRPM | +/- 10% |
| Torque Constant (Kt) | 6.48 | OZ-IN/AMP | +/- 10% |
| DC Armature Resistance (@1.5 amps) | 0.90 | OHMS | +/- 15% |
| Armature temperature | 155 | DEG. C | MAX |
| **PLANETARY GEARMOTOR OUTPUT PARAMETERS:** | **VALUE** | **UNITS** | **TOLERANCE** |
| Gearhead Ratio (exact) | 29 : 1 | | |
| Gearmotor Rated Continuous Torque | 29 | IN-LBS | MAX |
| Gearmotor Rated Peak Torque | 89++ | IN-LBS | MAX |
| Gearhead Shaft Output Speed (at full-load) | 152 | RPM | ----- |
| Gearhead Standard Backlash | 69 | ARC MINUTES | MAX |
| Gearhead Efficiency | 70% | ----- | ----- |
| Gearmotor Total Weight | 48 | OZ | MAX |

**++ All Peak Torque Values are dependent upon duty. Kindly consult our Sales Offices for details.**


THIS ROBUST, TENV DESIGN WITH 'TRUE PLANETARY GEARING' IS OFFERED BY:
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