

**STANDARD PRODUCT**

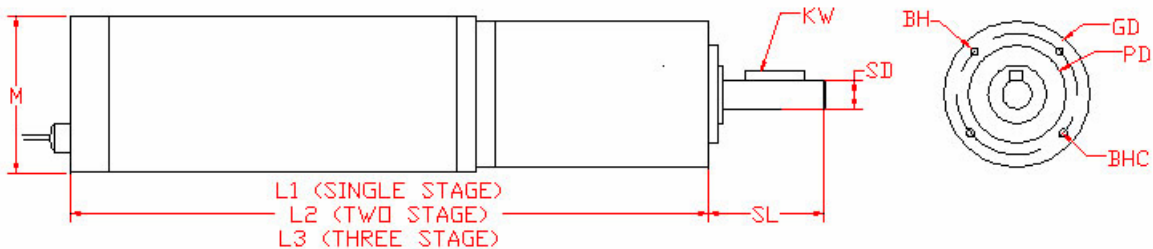


**Date:** 07/07/2008

**Prepared for:** Production

Planetary Gearmotor

**Model Number:** MMP TM55-24V GP52-195



**NOTE: TWIN JACKETED LEADWIRES, 11" LONG, EXIT THE REAR END CAP THROUGH A "SEAL TITE" CONNECTOR**

**Dimensions:**

Note: The Center of the Output Shaft contains an M-4 Threaded Hole, 20mm deep

**M= 2.17" (55mm)**

**SL= 25mm**

**L (3) =7.75" (197mm)**

**GD= 2.047" (52mm)**

**KW= 4x4x16 mm**

**PD= 32mm, Pilot Length = 3mm**

**SD= 12 mm (+ 0, -18µm)**

**BHC (dia.) = M5x10mm Deep (4ea) on a 40mm BCD**

<b>DC MOTOR PERFORMANCE PARAMETERS</b>	<b>Value</b>	<b>Units</b>	<b>Tolerance</b>
RATED VOLTAGE D.C.	<b>24.0</b>	VOLTS	----
RATED CONTINUOUS CURRENT	<b>3.8</b>	AMPERE	----
RATED CONTINUOUS TORQUE	<b>23.0</b>	OZ - IN	----
RATED SPEED	<b>4600</b>	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	<b>78</b>	WATTS	+/- 15%
NO LOAD SPEED	<b>5000</b>	RPM	MAX
NO LOAD CURRENT	<b>0.62</b>	AMPS	MAX
BACK EMF CONSTANT (Ke)	<b>4.8</b>	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	<b>6.5</b>	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	<b>0.90</b>	OHMS	+/- 15%
ARMATURE TEMP	<b>155</b>	DEGR. C	MAX
PEAK TORQUE (motor-only)	<b>120</b>	OZ - IN	----
<b>PLANETARY GEARMOTOR OUTPUT PARAMETERS:</b>			
PLANETARY GEARHEAD RATIO	<b>195:1</b>		
GEAR MOTOR RATED CONTINUOUS TORQUE	<b>196.0</b>	LB-IN.	MAX
GEAR MOTOR RATED PEAK TORQUE	<b>444++</b>	LB-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	<b>24</b>	RPM	----
GEARHEAD STANDARD BACKLASH	<b>48</b>	Arc Min.	MAX
GEARHEAD EFFICIENCY	<b>70%</b>		
GEARMOTOR TOTAL WEIGHT	<b>48</b>	OUNCES	MAX

**NOTE: TENV DESIGN; MEETS IP-54 STANDARD ~ TRUE PLANETARY GEARING ~ BALL BEARINGS**

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

**Midwest Motion Products**  
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