



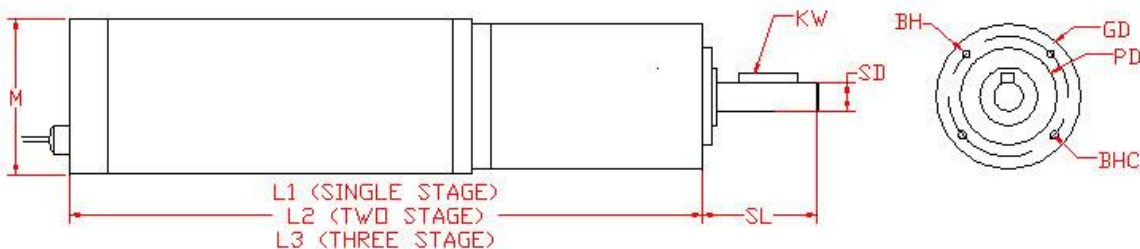
STANDARD PRODUCT

Date: 12/04/2008

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-24-12V GP52-079



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 (actual working length = 21mm)

L (3) =7.8" (198mm)

GD= 2.047" (52mm)

KW= 4x4x16 mm

PD= 32mm, by 3mm long

SD= 12 mm (+ 0, -18µm)

BHC (dia.) = M5 x 10mm deep (4ea) on a 40mm BCD

DC MOTOR PERFORMANCE PARAMETERS:	Value	Units	Tolerance
RATED VOLTAGE D.C.	12.0	VOLTS	----
RATED CONTINUOUS CURRENT	3.5	AMPERE	----
RATED CONTINUOUS TORQUE	23.0	OZ - IN	----
RATED SPEED	2000	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	34	WATTS	+/- 15%
NO LOAD SPEED	2500	RPM	MAX
NO LOAD CURRENT	0.62	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.8	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	6.48	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	0.90	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (motor-only)	120	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARHEAD RATIO	79 : 1		
GEARMOTOR RATED CONTINUOUS TORQUE	79	LB-IN.	MAX
GEARMOTOR RATED PEAK TORQUE	443++	LB-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	25	RPM	----
GEARHEAD STANDARD BACKLASH	48	Arc Min.	MAX
GEARHEAD EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	64	OUNCES	MAX

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

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

MIDWEST MOTION PRODUCTS

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