



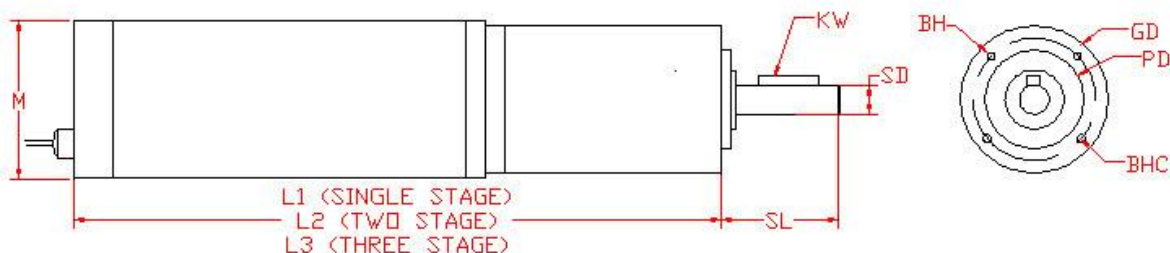
STANDARD PRODUCT

Date: 04/02/2009

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-24V GP52-04.3



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 M4 threaded hole, 20mm deep

M= 2.17" (55mm)

SL= 25mm

L (1) =6.7" (168mm)

GD= 2.047" (52mm)

KW= 4x4x16 mm

BD= 32mm

SD= 12 mm, + 0, -18µm

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

DC MOTOR PERFORMANCE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	24.0	VOLTS	----
RATED CONTINUOUS CURRENT	3.8	AMPERE	----
RATED CONTINUOUS TORQUE	23.0	OZ - IN	----
RATED SPEED	4500	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	68	WATTS	+/- 15%
NO LOAD SPEED	5000	RPM	MAX
NO LOAD CURRENT	0.77	AMPS	MAX
BACK EMF CONSTANT (Ke)	4.8	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	6.5	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 OUPUT PARAMETERS:			
PLANETARY GEARHEAD RATIO	4.28 : 1		
GEARMOTOR RATED CONTINOUS TORQUE	4.9	LB-IN.	MAX
GEARMOTOR RATED PEAK TORQUE	71	LB-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	1075	RPM	----
GEARHEAD STANDARD BACKLASH	42	Arc Min.	MAX
GEARHEAD EFFICIENCY	80%		
GEARMOTOR TOTAL WEIGHT	48	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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