



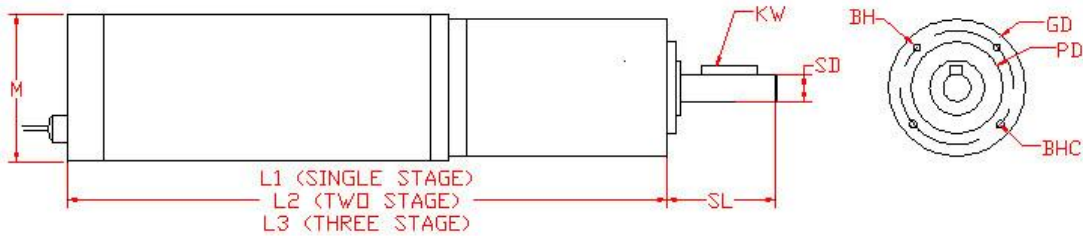
STANDARD PRODUCT

Date: 01/06/2009

Prepared for: Production

Planetary Gearmotor

Model Number: MMP TM55-48V GPK52-046



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 (2) =7.2" (182mm)

GD= 2.047" (52mm)

KW= 4x4x16 mm

PD= 32mm, Pilot Length = 3mm

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.	48.0	VOLTS	----
RATED CONTINUOUS CURRENT	1.8	AMPERE	----
RATED CONTINUOUS TORQUE	23.0	OZ - IN	----
RATED SPEED	4600	RPM	+/- 15%
RATED CONTINUOUS POWER OUT	78	WATTS	+/- 15%
NO LOAD SPEED	5000	RPM	MAX
NO LOAD CURRENT	0.30	AMPS	MAX
BACK EMF CONSTANT (Ke)	9.6	V/KRPM	+/- 10%
TORQUE CONSTANT (Kt)	13.0	OZ -IN / A	+/- 10%
DC ARMATURE RESISTANCE AT 1.5 AMPS	2.8	OHMS	+/- 15%
ARMATURE TEMP	155	DEGR. C	MAX
PEAK TORQUE (motor-only)	120	OZ - IN	----
PLANETARY GEARMOTOR OUTPUT PARAMETERS:			
PLANETARY GEARHEAD RATIO	46:1		
GEARMOTOR RATED CONTINUOUS TORQUE	46	LB-IN.	MAX
GEARMOTOR RATED PEAK TORQUE	89++	LB-IN.	MAX
GEARHEAD SHAFT OUTPUT SPEED (@ F.L.)	100	RPM	----
GEARHEAD STANDARD BACKLASH	69	Arc Min.	MAX
GEARHEAD EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	56	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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