

BRUSHED GEARMOTOR
 DESIGN: Production Release
 DATE: 12/13/2005



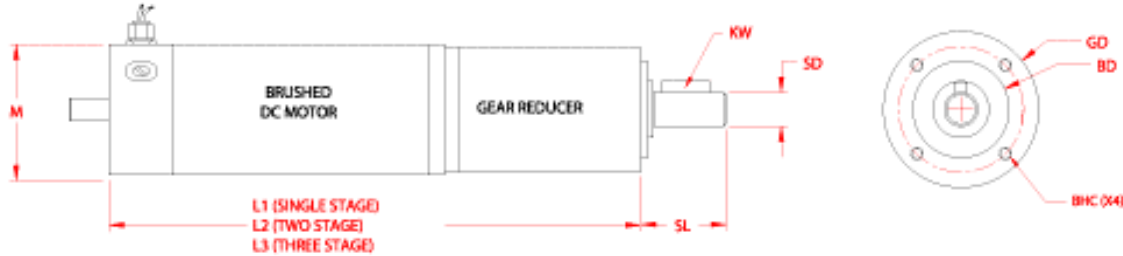
STANDARD PRODUCT

Date: 12/13/2005

Prepared for: Production

Customer: TBD

Model Number: MMP TM55-24V GPK-022



PLEASE NOTE: THE REAR SHAFT EXTENSION SHOWN IS OPTIONAL & MUST BE SPECIFIED AT TIME OF ORDER (THE STD CONFIGURATION FEATURES LEADWIRES EXITING THE REAR END CAP THROUGH A "SEAL TITE" CONNECTOR)

Dimensions:

M= 2.13" (54mm)

L (2) =7.2" (184mm)

KW= 4x4x16 mm

SD= 12 mm

SL= 25mm

GD= 2.047" (52mm)

BD= 32mm

BHC(dia.)=M5x10mm dp(4ea) 40mm BCD

DC MOTOR PERFORMACE PARAMETERS	Value	Units	Tolerance
RATED VOLTAGE D.C.	@24.0	VOLTS	----
RATED CURRENT	3.8	AMPERE	----
RATED 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	0.77	AMPS	MAX
BACK EMF CONSTANT	4.8	V/KRPM	+/- 10%
TORQUE CONSTANT	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	----
GEARMOTOR OUPUT PARAMETERS:			
GEARBOX RATIO	22:1		
GEAR MOTOR RATED CONTINUOUS TORQUE	22	LB-IN.	MAX
GEAR MOTOR RATED PEAK TORQUE	80	LB-IN.	MAX
GEARBOX SHAFT OUTPUT SPEED (@ F.L.)	209	RPM	----
GEARBOX STANDARD BACKLASH	2.5	Degrees	MAX
GEARBOX EFFICIENCY	70%		
GEARMOTOR TOTAL WEIGHT	64	OUNCES	MAX

NOTE: TENV DESIGN; MEETS IP-53 STANDARD - TRUE PLANETARY GEARING - BALL BEARINGS

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