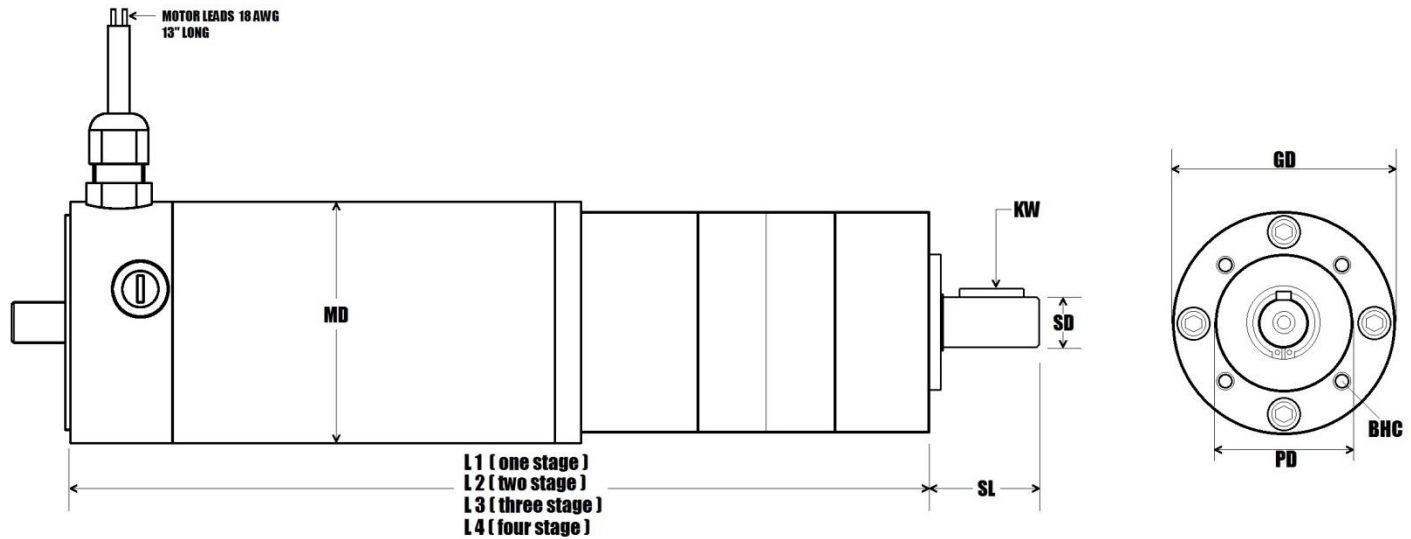


Model Number: MMP D22-490G-48V GP52-007



Note: Rear Shaft Extension for Optional Encoders & Failsafe Brakes. See Pages 2 and 3 for details.

DIMENSIONS:

MD = 2.25" (57mm)

L1 = 7.68" (195mm)

KW = 2H x 4W x 16mm long

SD = 12mm; +0, -21µm

(Note: Center of output shaft contains an M-6 threaded hole)

SL = 25mm (usable shaft length = 21mm)

GD = 2.045" (52mm)

PD = 32mm, pilot length = 3mm

BHC = M5 x 10mm deep (4 ea) on a 40mm Ø BC

DC MOTOR PERFORMANCE PARAMETERS:	VALUE	UNITS	TOLERANCE
Rated DC Voltage	48.0	DC VOLTS	-----
Rated Continuous Current	2.35	AMPERES	-----
No-Load Speed	3810	RPM	MAX
Rated Speed	3350	RPM	+/- 15%
Rated Continuous Power Out	99	WATTS	+/- 15%
Rated Continuous Torque	40.0	OZ-IN	-----
Peak Torque (motor only)	280	OZ-IN	-----
No-Load Current	0.29	AMPERES	MAX
Back EMF Constant (Ke)	12.6	V/KRPM	+/- 10%
Torque Constant (Kt)	17.0	OZ-IN/AMP	+/- 10%
DC Armature Resistance (@1.5 amps)	2.19	OHMS	+/- 15%
Armature Inductance	3.32	mH	+/- 15%
Armature temperature	155	DEG. C	MAX

PLANETARY GEARMOTOR OUTPUT PARAMETERS:	VALUE	UNITS	TOLERANCE
Gearhead Ratio (exact)	6.75 : 1		
Gearmotor Rated Continuous Torque	14	IN-LBS	MAX
Gearmotor Rated Peak Torque	70++	IN-LBS	MAX
Gearhead Shaft Output Speed (at full-load)	496	RPM	-----
Gearhead Standard Backlash	42	ARC MINUTES	MAX
Gearhead Efficiency	80%	-----	-----
Gearmotor Total Weight	4.0	LBS	MAX

++ All Peak Torque Values are dependent upon duty. Consult our Sales Offices for details.

THIS ROBUST, TENV DESIGN WITH 'TRUE PLANETARY GEARING' IS OFFERED BY:

MIDWEST MOTION PRODUCTS

Design, Manufacturing & Distribution - Motion Control Equipment

Phone: 952-955-2626 Fax: 480-247-4096

www.midwestmotion.com email: sales@midwestmotion.com

Consult our sales office for details.



Option 3: Integral Brake Option

Contact sales for pricing

The MMP small frame gearmotors and motors, including the MMP D22 Series, MMP S22 Series and MMP BL58 (brushless) series are sufficiently served by a 5 in-lb brake, when used correctly.

The standard brake dimensions are as follows:

Typical dimensions 1.8" Diameter by 1.3" Long, with 24" leadwires

Typical (24v) brake current = 375 mA;

All brakes (12v, 24v, 36v and 48v, 90vDC and 115VAC) are 9 Watt devices

Use suffix "BR-005" after model # to designate the brake and its' Holding Torque.

IMPORTANT NOTE: IF THE BRAKE IS TO BE ENERGIZED BY A VOLTAGE LEVEL OTHER THAN THE SPECIFIED OPERATING VOLTAGE OF THE MOTOR, PLEASE SPECIFY THE BRAKE OPERATING VOLTAGE SEPARATELY. IF NOT OTHERWISE NOTED, IT IS ASSUMED THAT THE BRAKE'S COIL VOLTAGE WILL MATCH THAT OF THE MOTOR.

Please specify "BR-005" for standard "holding" brake (not to be used for dynamic braking)

This part number suffix also identifies a "Failsafe" type brake.
(engages in the ABSENCE of input power to the coil).

For a "Power ON" brake, or a brake that is engaged with POWER APPLIED,
please specify part number suffix "BR-005n".

Both of the above mentioned brakes are integrally mounted to the back of the motor,
and are equipped with mounting holes and a shaft extension for an encoder.

The rear surface of the standard brake doubles as an encoder mounting surface.
Most MMP brake motors and gearmotors are designed to include encoder compatibility.

*For additional details or assistance configuring the model number
for brake and encoder options, please feel free to contact our sales offices.

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