



## “Technical Performance Specs - Off-The-Shelf Motion Products”

Note: Due to our workload here at MMP, we are unable to update this list as frequently as we would like. Therefore, quantities are not shown. However, we carry materials at all times that allow us to ship virtually any standard DC Planetary gearmotor combination you may need - same day!

Contact us for more information or for a quote. Call (952) 955-2626 or email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)

Complete PDF Spec Sheets for each Product available on our website in the Product Section!  
[www.midwestmotion.com](http://www.midwestmotion.com)

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Note: The "Output Torque" values listed are CONTINUOUS-  
 \*\*PEAK Values are available in the detailed specs \*\*

## Section 1: DC Gearmotors

### MMP TM 16 Series - 12 Volt Gearmotors

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 16-12V GP-004	12 VDC	0.42 A	1550 RPM	21 g-Cm	
MMP TM 16-12V GP-014	12 VDC	0.42 A	442 RPM	60 g-Cm	
MMP TM 16-12V GP-029	12 VDC	0.42 A	214 RPM	120 g-Cm	
MMP TM 16-12V GP-062	12 VDC	0.42 A	100 RPM	220 g-Cm	
MMP TM 16-12V GP-084	12 VDC	0.42 A	74 RPM	300 g-Cm	
MMP TM 16-12V GP-104	12 VDC	0.42 A	60 RPM	380 g-Cm	
MMP TM 16-12V GP-231	12 VDC	0.42 A	26 RPM	700 g-Cm	
MMP TM 16-12V GP-455	12 VDC	0.42 A	14 RPM	1350 g-Cm	
MMP TM 16-12V GP-1014	12 VDC	0.42 A	6 RPM	2400 g-Cm	
MMP TM 16-12V GP-3027	12 VDC	0.42 A	2 RPM	3000 g-Cm	

### MMP TM 16 Series - 24 Volt Gearmotors

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 16-24V GP-004	24 VDC	0.45 A	2750 RPM	31 g-Cm	
MMP TM 16-24V GP-014	24 VDC	0.45 A	785 RPM	85 g-Cm	
MMP TM 16-24V GP-029	24 VDC	0.45 A	380 RPM	180 g-Cm	
MMP TM 16-24V GP-062	24 VDC	0.45 A	177 RPM	330 g-Cm	
MMP TM 16-24V GP-084	24 VDC	0.45 A	131 RPM	450 g-Cm	
MMP TM 16-24V GP-104	24 VDC	0.45 A	105 RPM	560 g-Cm	
MMP TM 16-24V GP-231	24 VDC	0.45 A	48 RPM	1000 g-Cm	
MMP TM 16-24V GP-455	24 VDC	0.45 A	24RPM	2000 g-Cm	
MMP TM 16-24V GP-1014	24 VDC	0.45 A	11 RPM	3000 g-Cm	
MMP TM 16-24V GP-3027	24 VDC	0.45 A	3.6 RPM	3000 g-Cm	



**MMP TM 22 GEARMOTOR SERIES, 12 Volt Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 22-12V GP-004	12 VDC	0.20 A	1642 RPM	61g-Cm	
MMP TM 22-12V GP-016	12 VDC	0.20 A	416 RPM	222 g-Cm	
MMP TM 22-12V GP-019	12 VDC	0.20 A	375 RPM	252 g-Cm	
MMP TM 22-12V GP-025	12 VDC	0.20 A	268 RPM	342 g-Cm	
MMP TM 22-12V GP-053	12 VDC	0.20 A	125 RPM	617 g-Cm	
MMP TM 22-12V GP-072	12 VDC	0.20 A	92 RPM	843 g-Cm	
MMP TM22-12V GP-084	12 VDC	0.20 A	81 RPM	1043 g-Cm	
MMP TM 22-12V GP-104	12 VDC	0.20 A	64 RPM	1210 g-Cm	
MMP TM 22-12V GP-198	12 VDC	0.20 A	36 RPM	1900 g-Cm	
MMP TM 22-12V GP-270	12 VDC	0.20 A	25 RPM	2670 g-Cm	
MMP TM 22-12V GP-370	12 VDC	0.20 A	16.5RPM	3000 g-Cm	
MMP TM 22-12V GP-455	12 VDC	0.20 A	18 RPM	3000 g-Cm	
MMP TM 22-12V GP-1014	12 VDC	0.20 A	7 RPM	3000 g-Cm	
MMP TM22-12V GP-1621	12 VDC	0.20 A	4.4 RPM	3000 g-Cm	
MMP TM22-12V GP-1996	12 VDC	0.20 A	3.6 RPM	3000 g-Cm	



**MMP TM 22 GEARMOTOR SERIES, 24 Volt Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 22-24V GP-004	24 VDC	0.11 A	1800 RPM	61 g-Cm	
MMP TM 22-24V GP-005	24 VDC	0.11 A	1440 RPM	73 g-Cm	
MMP TM 22-24V GP-014	24 VDC	0.11 A	514 RPM	185 g-Cm	
MMP TM 22-24V GP-019	24VDC	0.11 A	416 RPM	222 g-Cm	
MMP TM 22-24V GP-025	24VDC	0.11 A	288 RPM	284 g-Cm	
MMP TM 22-24V GP-053	24VDC	0.11 A	137 RPM	600 g-Cm	
MMP TM 22-24V GP-084	24VDC	0.11 A	85 RPM	959 g-Cm	
MMP TM 22-24V GP-104	24VDC	0.11 A	69 RPM	1180 g-Cm	
MMP TM 22-24V GP-198	24VDC	0.11 A	34 RPM	1900 g-Cm	
MMP TM 22-24V GP-231	24VDC	0.11 A	31 RPM	2220 g-Cm	
MMP TM 22-24V GP-316	24VDC	0.11 A	23 RPM	3000 g-Cm	
MMP TM 22-24V GP-455	24VDC	0.11 A	17 RPM	3000 g-Cm	
MMP TM 22-24V GP-742	24VDC	0.11 A	9.7 RPM	3000 g-Cm	
MMP TM 22-24V GP-1014	24VDC	0.11 A	7.7 RPM	3000 g-Cm	
MMP TM 22-24V GP-1621	24VDC	0.11 A	5.0 RPM	3000 g-Cm	
MMP TM 22-24V GP-1996	24VDC	0.11 A	3.6 RPM	3000 g-Cm	



**MMP TM 30 GEARMOTOR SERIES, 12 Volt Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 30-12V GP-005	12 VDC	0.90 A	1148 RPM	.46 Kg-Cm	
MMP TM 30-12V GP-014	12 VDC	0.90 A	433 RPM	1.0 Kg-Cm	
MMP TM 30-12V GP-027	12 VDC	0.90 A	221 RPM	2.0 Kg-Cm	
MMP TM 30-12V GP-051	12 VDC	0.90 A	118 RPM	3.4 Kg-Cm	
MMP TM 30-12V GP-100	12 VDC	0.90 A	60 RPM	6.6 Kg-Cm	
MMP TM 30-12V GP-189	12 VDC	0.90 A	31.5 RPM	10 Kg-Cm	
MMP TM 30-12V GP-264	12 VDC	0.90 A	24 RPM	10 Kg-Cm	
MMP TM 30-12v GP-516	12 VDC	0.90 A	13 RPM	10 Kg-Cm	
MMP TM 30-12V GP-721	12 VDC	0.90 A	9.6 RPM	10 Kg-Cm	



**MMP TM 30 GEARMOTOR SERIES, 24 Volt Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 30-24V GP-005	24 VDC	0.45 A	1170 RPM	.54 Kg-Cm	
MMP TM 30-24V GP-014	24 VDC	0.45 A	445 RPM	1.2 Kg-Cm	
MMP TM 30-24V GP-019	24 VDC	0.45 A	320 RPM	1.7 Kg-Cm	
MMP TM 30-24V GP-027	24 VDC	0.45 A	229 RPM	2.4 Kg-Cm	
MMP TM 30-24V GP-051	24 VDC	0.45 A	121 RPM	4.0 Kg-Cm	
MMP TM 30-24V GP-071	24 VDC	0.45 A	87 RPM	5.5 Kg-Cm	
MMP TM 30-24v GP-100	24 VDC	0.45 A	62 RPM	7.8 Kg-Cm	
MMP TM 30-24V GP-139	24 VDC	0.45 A	46 RPM	8.0 Kg-Cm	
MMP TM 30-24V GP-189	24 VDC	0.45 A	34.5 RPM	10.0 Kg-Cm	
MMP TM 30-24V GP-264	24 VDC	0.45 A	26 RPM	10.0 Kg-Cm	
MMP TM 30-24V GP-516	24 VDC	0.45 A	13.5 RPM	10.0 Kg-Cm	
MMP TM 30-24V GP-721	24 VDC	0.45 A	9.8 RPM	10.0 Kg-Cm	
MMP TM 30-24V GP-939	24 VDC	0.45 A	7.3 RPM	10.0 Kg-Cm	

**MMP G-13 GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP G13-12V GS-60.5	12 VDC	0.8 A	86 RPM	66 oz in	
MMP G13-12V GS-095	12 VDC	0.8 A	55 RPM	100 oz in	
MMP G13-12V-2 GS 188	12 VDC	0.8 A	28 RPM	100 oz in	
MMP G13-12V-2 GS 298	12 VDC	0.8 A	17 RPM	100 oz in	
MMP G13-12V GS-582	12 VDC	0.8 A	9.0 RPM	100 oz in	
MMP G13-12V-922	12 VDC	0.8 A	5.6 RPM	100 oz in	
MMP G13-24-12V-3 GS-060	12 VDC	0.5 A	36 RPM	66 oz in	
MMP G13-24V GS-096	24 VDC	0.5 A	55 RPM	100 oz in	
MMP G13-24V-3 GS 188	24 VDC	0.5 A	28 RPM	100 oz in	

**MMP G-15 GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP G15-12V GT-036	12 VDC	2.3 A	144 RPM	102 oz in	
MMP G15-12V GT-100	12 VDC	2.3 A	52 RPM	220 oz. In	
MMP G15-12V GS-65.53	12 VDC	2.0 A	67 RPM	10.8 in lb	
MMP G15-24-12V-HS GT-120	12 VDC	3.0 A	35 RPM	352 oz in	
MMP G15-24V GT-025	24 VDC	0.8 A	192 RPM	72 oz in	
MMP G15-24V GT-064	24 VDC	1.2A	80 RPM	115 oz. In.	
MMP G15-24V GT-100	24 VDC	1.2 A	52 RPM	220 oz. In	
MMP G15-24V GT-180	24 VDC	1.2 A	29 RPM	345 oz in	
MMP G15-24V GT-256	24 VDC	1.2 A	20 RPM	495 oz in	
MMP G15-24V-HS GT-120	24 VDC	3.0 A	70 RPM	352 oz in	
MMP G15-24V GS-19.66	24 VDC	1.0 A	260 RPM	57 oz in	



**MMP TM40-12V GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM40-12V GP42-029 *	12 VDC	6.3 A	224 RPM	16.3 in lb	
MMP TM40-24-12V GP42-035 *	12 VDC	2.8 A	100 RPM	19.7 in lb	
MMP TM40-24-12V GP42-100	12 VDC	2.3 A	34 RPM	980 oz in	



**MMP TM40-24V GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM40-36-24V GP42-124 *	24 VDC	2.2 A	32 RPM	133 in lb	

For a quick quote, email: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)

Note: Products with a “zero” quantity on hand indicate standard products that are normally stocked. Leadtime to replenish Stock should be minimal.



**MMP TM55-12V GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM55-12V GPK52-007*	12 VDC	7.0 A	657 RPM	7.5 in lb	
MMP TM55-12V GPK52-014*	12 VDC	7.2 A	329 RPM	14 in lb	
MMP TM55-12V GPK52-016	12 VDC	7.2 A	281 RPM	16 in lb	
MMP TM55-12V GPK52-022	12 VDC	7.2 A	209 RPM	22 in lb	
MMP TM55-12V GPK52-025*	12 VDC	7.2 A	184 RPM	25 in lb	
MMP TM55-12V GP52-025	12 VDC	7.2 A	184 RPM	27 in lb	
MMP TM55-12V GPK52-029*	12 VDC	7.2 A	155 RPM	29 in lb	
MMP TM55-12V GPK52-035*	12 VDC	7.2 A	131 RPM	33 in lb	
MMP TM55-12V GPK52-046*	12 VDC	7.2 A	100 RPM	46 in lb	
MMP TM55-12V GP52-035	12 VDC	7.2 A	131 RPM	38 in lb	
MMP TM55-12V GP52-046	12 VDC	7.2 A	107 RPM	50 in lb	
MMP TM55-12V GP52-059	12 VDC	7.2 A	78 RPM	59 in lb	
MMP TM55-12V GP52-079	12 VDC	7.2 A	58 RPM	79 in lb	
MMP TM55-12V GPK52-100	12 VDC	7.2 A	46 RPM	89 in lb	
MMP TM55-12V GP52-100	12 VDC	7.2 A	50 RPM	101 in lb	
MMP TM55-12V GPK52-124	12 VDC	7.2 A	37 RPM	89 in lb	
MMP TM55-12V GP52-124	12 VDC	7.2 A	37 RPM	126 in lb	
MMP TM55-12V GP52-150	12 VDC	7.2 A	31 RPM	151 in lb	
MMP TM55-12V GPK52-169	12 VDC	7.2 A	27 RPM	89 in lb	
MMP TM55-12V GP52-169	12 VDC	7.2 A	27 RPM	170 in lb	
MMP TM55-12V GP52-195	12 VDC	7.2 A	24 RPM	196 in lb	

MMP TM55-12V GP52-308	12 VDC	7.2 A	15 RPM	310 in lb	
MMP TM55-24-12V GP52-079	12 VDC	3.6 A	25 RPM	79 in lb	
MMP TM55-24-12V GP52-100	12 VDC	3.6 A	20 RPM	101 in lb	
MMP TM55-24-12V GP52-115	12 VDC	3.6 A	17 RPM	116 in lb	
MMP TM55-24-12V GP52-308	12 VDC	3.6 A	6.5 RPM	310 in lb	
MMP TM55-24-12V GPK52-046	12 VDC	3.6 A	4 RPM	46 in lb	
MMP TM55-36-12V GPK52-046	12 VDC	2.1 A	26 RPM	46 in lb	
MMP TM55-36-12V GPK52-046 LS	12 VDC	2.1 A	28 RPM	46 in lb	
MMP TM55-60-12V GPK52-046	12 VDC	1.2 A	11 RPM	46 in lb	
MMP TM55-36-12V GP52-124	12 VDC	2.1 A	9.6 RPM	125 in lb	
MMP TM55-36-12V GP52-195	12 VDC	2.1 A	6.6 RPM	196 in lb	

\*NOTE: OPTIONAL GHD. OUTPUT SHAFT AVAILABLE; 0.500" DIA, 1.5" LONG, WITH 1/8"x 1/8" x 0.8" LONG CAPTIVE KEYWAY (SPECIFY "LS" OPTION)



**MMP TM55-12V RIGHT-ANGLED GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-12V GRA40-064	12 VDC	7.2 A	72 RPM	84 in lb	



**MMP TM55-24V GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-24V GPK52-007*	24 VDC	3.6 A	657 RPM	7.3 in lb	
MMP TM55-24V GPK52-014*	24 VDC	3.6 A	329 RPM	14.2 in lb	
MMP TM55-24V GPK52-016	24 VDC	3.6 A	281 RPM	16.1 in lb	
MMP TM55-24V GPK52-022	24 VDC	3.6 A	205 RPM	22 in lb	
MMP TM55-24V GPK52-025*	24 VDC	3.6 A	184 RPM	25 in lb	
MMP TM55-24V GPK52-029*	24 VDC	3.6 A	160 RPM	29 in lb	
MMP TM55-24V GPK52-035*	24 VDC	3.6A	131 RPM	35 in lb	
MMP TM55-24V GPK52-046*	24 VDC	3.6 A	100 RPM	46 in lb	
MMP TM55-24V GPK52-046 LS	24 VDC	3.6 A	100 RPM	46 in lb	
MMP TM55-36-24VGPK52-046	24 VDC	2.1 A	56 RPM	46 in lb	

MMP TM55-36-24V GPK52-046 LS	24 VDC	2.1 A	56 RPM	46 in lb	
MMP TM55-24V GPK52-124	24 VDC	3.6 A	37 RPM	89 in lb	
MMP TM55-60-24V GPK52-124	24 VDC	1.2 A	10.4 RPM	89 in lb	
MMP TM55-24V GPK52-169	24 VDC	3.6 A	27 RPM	89 in lb	
MMP TM55-60-24V GPK52-308	24 VDC	1.2 A	4 RPM	89 in lb	
MMP TM55-24V GP52-046	24 VDC	3.6 A	100 RPM	50 in lb	
MMP TM55-24V GP52-059	24 VDC	3.6 A	78 RPM	59 in lb	
MMP TM55-24V GP52-079	24 VDC	3.6 A	58 RPM	79 in lb	
MMP TM55-24V GP52-100	24 VDC	3.6 A	46 RPM	101 in lb	
MMP TM55-36-24V GP52-124	24 VDC	2.1 A	19 RPM	125 in lb	
MMP TM55-48-24V GP52-014	24 VDC	1.8 A	140 RPM	15 in lb	
MMP TM55-48-24V GP52-124	24 VDC	1.8 A	16 RPM	125 in lb	
MMP TM55-24V GP52-124	24 VDC	3.6 A	37 RPM	125 in lb	
MMP TM55-24V GP52-169	24 VDC	3.6 A	27 RPM	170 in lb	
MMP TM55-24V GP52-195	24 VDC	3.6 A	24 RPM	196 in lb	
MMP TM55-24V GP52-308	24 VDC	3.6 A	15 RPM	309 in lb	



**MMP TM55-24V RIGHT-ANGLED GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-24V GRA40-064	24VDC	3.6 A	72 RPM	84 in lb	



**MMP TM55-36V GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-36V GPK52-007*	36 VDC	2.1 A	557 RPM	7.3 in lb	
MMP TM55-36V GPK52-014*	36 VDC	2.1 A	279 RPM	14 in lb	
MMP TM55-36V GPK52-016	36 VDC	2.1 A	243 RPM	16 in lb	
MMP TM55-36V GPK52-022	36 VDC	2.1 A	177 RPM	22 in lb	
MMP TM55-36V GPK52-025*	36 VDC	2.1 A	156 RPM	25 in lb	
MMP TM55-36V GPK52-029*	36 VDC	2.1 A	134 RPM	29 in lb	

MMP TM55-36V GPK52-035*	36 VDC	2.1 A	111 RPM	35 in lb	
MMP TM55-36V GPK52-046-LS	36 VDC	2.1 A	85 RPM	46 in lb	
MMP TM55-36V GPK52-046*	36 VDC	2.1 A	85 RPM	46 in lb	
MMP TM55-36V GPK52-100	36 VDC	2.1 A	39 RPM	89 in lb	
MMP TM55-36V GP52-059	36 VDC	2.1 A	66 RPM	59 in lb	
MMP TM55-36V GP52-079	36 VDC	2.1 A	49 RPM	79 in lb	
MMP TM55-36V GP52-100	36 VDC	2.1 A	39 RPM	101 in lb	
MMP TM55-36V GPK52-124	36 VDC	2.1 A	31 RPM	89 in lb	
MMP TM55-36V GP52-124	36 VDC	2.1 A	31 RPM	125 in lb	
MMP TM55-36V GP52-169	36 VDC	2.1 A	23 RPM	170 in lb	
MMP TM55-36V GP52-195	36 VDC	2.1 A	20 RPM	196 in lb	
MMP TM55-36V GP52-308	36 VDC	2.1 A	13 RPM	310 in lb	

**NOTES: MANY OF THE ABOVE PRODUCTS ARE "IP54" SEALED DESIGNS, FOR USE IN HARSH ENVIRONMENTS**

Note: Products with a "zero" quantity on hand indicate standard products that are normally stocked. Leadtime to replenish Stock is often minimal



**MMP TM55-48V GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM55-48V GPK52-007*	48 VDC	1.8 A	657 RPM	7 in lb	
MMP TM55-48V GPK52-014*	48 VDC	1.8 A	329 RPM	14 in lb	
MMP TM55-48V GPK52-016	48 VDC	1.8 A	281 RPM	16 in lb	
MMP TM55-48V GPK52-022	48 VDC	1.8 A	205 RPM	22 in lb	
MMP TM55-48V GPK52-025*	48 VDC	1.8 A	184 RPM	25 in lb	
MMP TM55-48V GPK52-029*	48 VDC	1.8 A	160 RPM	29 in lb	
MMP TM55-48V GPK52-035*	48 VDC	1.8 A	131 RPM	35 in lb	
MMP TM55-48V GPK52-046*	48 VDC	1.8 A	100 RPM	46 in lb	
MMP TM55-48V GPK52-046 LS	48 VDC	1.8 A	100 RPM	46 in lb	
MMP TM55-48V GPK52-150	48 VDC	1.8 A	31 RPM	89 in lb	
MMP TM55-48V GP52-035	48 VDC	1.8 A	131 RPM	38 in lb	
MMP TM55-48V GP52-059	48 VDC	1.8 A	78 RPM	59 in lb	
MMP TM55-48V GP52-079	48 VDC	1.8 A	58 RPM	79 in lb	
MMP TM55-48V GP52-308	48 VDC	1.8 A	15 RPM	310 in lb	
MMP TM55-60-48V GPK52-007	48 VDC	1.2 A	385 RPM	7.3 in lb	
MMP TM55-60-48V GPK52-029	48VDC	1.2 A	89 RPM	29 in lb	
MMP TM55-60-48V GPK52-046	48 VDC	1.2 A	56 RPM	46 in lb	
MMP TM55-60-48V GPK52-100	48 VDC	1.2 A	30 RPM	100 in lb	
MMP TM55-60-48V GPK52-124	48 VDC	1.2 A	24 RPM	124 in lb	
MMP TM55-60-48V GPK52-150	48 VDC	1.2 A	20 RPM	150 in lb	
MMP TM55-60-48V GP52-035	48 VDC	1.2 A	74 RPM	38 in lb	
MMP TM55-60-48V GP52-100	48 VDC	1.2 A	26 RPM	101 in lb	
MMP TM55-60-48V GP52-124	48 VDC	1.2 A	21 RPM	125 in lb	

MMP TM55-60-48V GP52-150	48 VDC	1.2 A	17 RPM	151 in lb	
MMP TM55-60-48V GP52-236	48 VDC	1.2 A	11 RPM	238 in lb	
MMP TM55-60-48V GP52-308	48 VDC	1.2 A	8.4 RPM	310 in lb	



**MMP TM55-60V GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-60V GPK52-007*	60 VDC	1.2 A	657 RPM	7 in lb	
MMP TM55-60V GPK52-014*	60 VDC	1.2 A	329 RPM	14 in lb	
MMP TM55-60V GPK52-016	60 VDC	1.2 A	281 RPM	16 in lb	
MMP TM55-60V GPK52-022	60 VDC	1.2 A	205 RPM	22 in lb	
MMP TM55-60V GPK52-025*	60 VDC	1.2 A	184 RPM	25 in lb	
MMP TM55-60V GPK52-029*	60 VDC	1.2 A	160 RPM	29 in lb	
MMP TM55-60V GPK52-035*	60 VDC	1.2 A	131 RPM	35 in lb	
MMP TM55-60V GPK52-046*	60 VDC	1.2 A	100 RPM	46 in lb	
MMP TM55-60V GPK52-046 LS	60 VDC	1.2 A	78 RPM	46 in lb	
MMP TM55-60V GPK52-169	60VDC	1.2 A	22 RPM	89 in lb	
MMP TM55-60V GP52-059	60VDC	1.2 A	61 RPM	59 in lb	
MMP TM55-60V GP52-079	60VDC	1.2 A	46 RPM	79 in lb	
MMP TM55-60V GP52-100	60VDC	1.2 A	36 RPM	101 in lb	
MMP TM55-60V GPK52-124	60VDC	1.2 A	29 RPM	89 in lb	
MMP TM55-60V GP52-195	60VDC	1.2 A	24 RPM	195 in lb	
MMP TM55-60V GP52-236	60VDC	1.2 A	20 RPM	238 in lb	
MMP TM55-60V GP52-308	60VDC	1.2 A	15 RPM	310 in lb	



**MMP TM55-90V GEARMOTOR SERIES:**

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP TM55-90V GPK52-007*	90 VDC	1.0 A	657 RPM	7 in lb	
MMP TM55-90V GPK52-014*	90 VDC	1.0 A	329 RPM	14 in lb	
MMP TM55-90V GPK52-016	90 VDC	1.0 A	281 RPM	16 in lb	
MMP TM55-90V GPK52-022	90 VDC	1.0 A	205 RPM	22 in lb	

MMP TM55-90V GPK52-025*	90 VDC	1.0 A	184 RPM	25 in lb	
MMP TM55-90V GPK52-029*	90 VDC	1.0 A	160 RPM	29 in lb	
MMP TM55-90V GPK52-035*	90 VDC	1.0 A	131 RPM	35 in lb	
MMP TM55-90V GPK52-046*	90 VDC	1.0 A	100 RPM	46 in lb	
MMP TM55-90V GP52-035	90 VDC	1.0 A	131 RPM	38 in lb	
MMP TM55-90V GPK52-046 LS	90 VDC	1.0 A	100 RPM	46 in lb	
MMP TM55-90V GPK52-169	90VDC	1.0 A	27 RPM	89 in lb	
MMP TM55-90V GP52-059	90VDC	1.0 A	78 RPM	60 in lb	
MMP TM55-90V GP52-079	90VDC	1.0 A	58 RPM	80 in lb	
MMP TM55-90V GPK52-100	90 VDC	1.0 A	46 RPM	89 in lb	
MMP TM55-90V GP52-100	90VDC	1.0 A	46 RPM	101 in lb	
MMP TM55-90V GPK52-124	90VDC	1.0 A	37 RPM	89 in lb	
MMP TM55-90V GP52-169	90VDC	1.0 A	27 RPM	170 in lb	
MMP TM55-90V GP52-195	90VDC	1.0 A	24 RPM	196 in lb	
MMP TM55-90V GPK52-236	90 VDC	1.0 A	19.5 RPM	89 in lb	
MMP TM55-90V GP52-236	90VDC	1.0 A	19.5 RPM	238 in lb	
MMP TM55-90V GP52-308	90VDC	1.0 A	15 RPM	310 in lb	

### Section 3: Motors & Gearmotors with Brakes & Encoders

#### MMP MODEL C21 MOTOR / Brake Series

Model Number	Input Voltage	Input Current	Output Speed	Output Torque	
MMP C21-125D-24V T-07 BR-005 Includes 7V Tach and 5 In Lb Brake ++	24 VDC	4.5A	5400 RPM	25 Oz In.	
MMP C21-125E-24V BR-005 Includes 5 In Lb "Power Off" Brake ++	24 VDC	3.6A	5400 RPM	25 Oz In.	
MMP C21-125G-36V BR-005 Includes 5 In Lb "Failsafe" Brake ++	36VDC	2.3A	4000 RPM	25 Oz In.	
MMP-C21-125D-24V * ++	24 VDC	4.5A	5400 RPM	25 Oz. In.	
MMP-C21-125G-24V * ++	24 VDC	2.6A	3000 RPM	25 Oz. In.	
MMP-C21-230B-24V * ++	24 VDC	7.4A	5500 RPM	40 Oz. In.	

\* = Encoder Compatible. We stock 100ppr, 250ppr, 500ppr and 1000 ppr Encoders

++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for an exact ratio to meet your need!

#### MMP MODEL C21 GEARMOTOR / BRAKE UNITS

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C21-125B-12V GP52-046 BR-005 Includes 5 In Lb "Failsafe" Brake	12 VDC	6.6 A	78 RPM	54 in lb	
MMP C21-125D-24V GPK52-007 BR-005 Includes 5 In Lb "Failsafe" Brake	24 VDC	4.0 A	770 RPM	8.2 In Lb	
MMP C21-125E-12V GPK52-029 BR-005n Includes 5 In Lb "Power Off" Brake	12 VDC	3.6A	48 RPM	32 Lb In.	
MMP C21-125E-24V GPK52-029 BR-005n Includes 5 In Lb "Power Off" Brake	24 VDC	3.6A	106 RPM	32 Lb In.	
MMP C21-125E-12V GPK52-046 BR-005n-cs Includes 5 In Lb "Power Off" Brake	12 VDC	3.6A	30 RPM	50 Lb In.	
MMP C21-125E-24V GPK52-046 BR-005n-cs Includes 5 In Lb "Power Off" Brake	24 VDC	3.6A	67 RPM	50 Lb In.	
MMP C21-125G-24V GPK52-029 BR-005 Includes 5 In Lb "Failsafe" Brake	24 VDC	2.5A	90 RPM	32 Lb In.	
MMP C21-125G-36V GPK52-029 BR-005 Includes 5 In Lb "Failsafe" Brake	36 VDC	2.5A	138 RPM	32 Lb In.	
MMP C21-125G-36V GPK52-046 BR-005 Includes 5 In Lb "Failsafe" Brake	36 VDC	2.3 A	85 RPM	50 Lb In	
MMP C21-125G-24V GPK52-046 BR-005 Includes 5 In Lb "Failsafe" Brake	24 VDC	2.5A	57 RPM	50 Lb In.	

**MMP MODEL C21 GEARMOTOR / ENCODER UNITS**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C21-125D-12V GP52-046 EU-500 Includes 500 PPR Encoder	12 VDC	3.8 A	56 RPM	46 lb in	
MMP C21-125D-12V GP52-046 EU-500 Includes 500 PPR Encoder	12 VDC	3.8 A	56 RPM	46 lb in	
MMP C21-125D-24V GP52-046 EU-500 Includes 500 PPR Encoder	24VDC	3.8 A	109 RPM	46 lb in	
MMP C21-125D-24V GP52-100 EU-500 Includes 500 PPR Encoder	24 VDC	3.8 A	50 RPM	46 lb in	



**MMP S23 GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP S23-100H-12V GPK52-007*	12 VDC	5.1 A	200 RPM	16 IN. LB.	
MMP S23-100H-24V GPK52-007*	24 VDC	5.2 A	400 RPM	16 IN. LB.	
MMP S23-100F-24V GPK52-014*	24 VDC	7.2 A	328 RPM	31 IN. LB.	
MMP S23-100H-24V GPK52-022*	24 VDC	5.2 A	127 RPM	48 IN. LB.	

MMP S23-100F-12V GP52-016*	12 VDC	7.2 A	138 RPM	38 IN. LB.	
MMP S23-100F-24V GP 52-016*	24 VDC	7.2 A	287 RPM	35 IN. LB.	
MMP S23-100F-24V GP 52-025*	24 VDC	7.2 A	192 RPM	59 IN. LB.	
MMP S23-100F-24V GP 52-035*	24 VDC	7.2 A	131 RPM	82 IN. LB.	
MMP S23-100F-24V GPk 52-046*	24 VDC	7.2 A	100 RPM	89 IN. LB.	
MMP S23-100F-24V GP 52-100*	24 VDC	7.2 A	46 RPM	219 IN. LB.	
MMP S23-100H-36V GPk52-046*	36 VDC	5.2 A	96 RPM	89 IN. LB.	
MMP S23-100H-24V GP52-046*	24 VDC	5.2 A	60 RPM	108 IN. LB.	
MMP S23-100H-48V GPk52-022*	48 VDC	5.3 A	190 RPM	68 IN. LB.	

\* = Encoder Compatible. We stock 100ppr, 500ppr and 1000 ppr Encoders

**MMP BL3056 BRUSHLESS GEARMOTOR SERIES: (HALL CELL COMMUATION)**

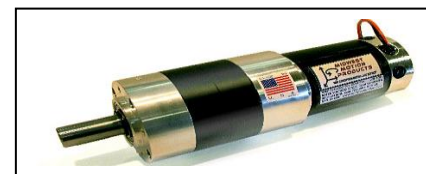
<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP BL3056-24V GPT-019	24 VDC	3.6A	374 RPM	5.2 IN LBS	



**MMP B23 BRUSHLESS GEARMOTOR SERIES(HALL CELL COMMUATION) :**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP B23-075N GP52-124 *	48 VDC	2.0	22 RPM	228 IN. LB	
MMP B23-150H-24V GP 52-035 WITH 5 IN LB, 24V BRAKE	24 VDC	8.7 A	72 RPM	145 IN. LB.	
MMP B23-150H-48V GP 52-014 WITH 5 IN LB, 24V BRAKE	48 VDC	8.7 A	357RPM	62 IN. LB.	

\* = Encoder Compatible. We stock 100ppr, 500ppr and 1000 ppr Encoders



**MMP S28 GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP S28 150 E4-12V GP81-035 *	12 VDC	28A	103 RPM	180 in lb	
MMP S28 150 E4-12V GP81-046 *	12 VDC	28A	78 RPM	237 in lb	
MMP S28 150 E4-12V GP81-169 *	12 VDC	28A	21 RPM	813 in lb	
MMP S28 150 E4-12V GP81-236 *	12 VDC	28A	15 RPM	1062 in lb	
MMP S28 150 E4-12V GP81-308 *	12 VDC	28A	12 RPM	1062 in lb	
MMP S28 150B-12V GP81-046 *	12 VDC	17A	50 RPM	237 in lb	
MMP S28 150C-24V GP81-014 *	24 VDC	13 A	250 RPM	72 in lb	

MMP S28 150C-24V GP81-022 *	24 VDC	13 A	159 RPM	113 in lb	
MMP S28 150C-24V GP81-035 *	24 VDC	13 A	100 RPM	180 in lb	
MMP S28 150C-24V GP81-046 *	24 VDC	13 A	74 RPM	236 in lb	
MMP S28 150C-24V GP81-124 *	24 VDC	13 A	27 RPM	639 in lb	
MMP S28 150C-24V GP81-169 *	24 VDC	13 A	20 RPM	813 in lb	
MMP S28 200B-24V GP81-046 *	24 VDC	14 A	70 RPM	280 in lb	
MMP S28 200G-48V GP81-046 *	48 VDC	4.6 A	43 RPM	280 in lb	
MMP S28 200G-90V GP81-014 *	90 VDC	4.6 A	264 RPM	85 in lb	

NOTES: MANY OF THE ABOVE PRODUCTS ARE "IP54" SEALED DESIGNS, FOR USE IN HARSH ENVIRONMENTS

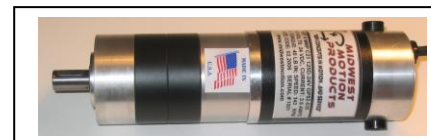


**MMP PDSF80 GEARMOTOR SERIES:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP PDSF80-12V GS-018	12 VDC	5.2 A	144 RPM	21 in lb	
MMP PDSF80-12V GS-050	12 VDC	5.2 A	60 RPM	58 in lb	
MMP PDSF80-12V GS-060	12 VDC	5.2 A	50 RPM	70 in lb	
MMP PDSF80-12V GS-075	12 VDC	5.2 A	40 RPM	70 in lb	
MMP PDSF80-12V GS-120	12 VDC	5.2 A	25 RPM	70 in lb	
MMP PDSF80-12V GS-180	12 VDC	5.2 A	17 RPM	70 in lb	
MMP PDSF80-12V-LS GS-180	12 VDC	4.0 A	10 RPM	70 in lb	
MMP PDSF80-12V-LS GS-180-7.5	12 VDC	4.0 A	7.5 RPM	70 in lb	
MMP PDSF80-90V GS-180	90 VDC	1.0 A	17 RPM	70 in lb	
MMP PDSF80-12 V GRA-049 RIGHT ANGLED GEARMOTOR	12 VDC	10.0 A	76 RPM	115 in lb	

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**MMP C21 GEARMOTOR SERIES:**



<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C21-125D-12V GP52-005	12 VDC	4.6 A	520 RPM	6.2 lb in	
MMP C21-125D-12V GPK52-046	12 VDC	4.6 A	57 RPM	50 lb in	
MMP C21-125D-12V GP52-046	12 VDC	4.6 A	57 RPM	54 in lb	
MMP C21-125E -12V GP52-046	12 VDC	3.6 A	43 RPM	50 in lb	
MMP C21-125D-24V GP52-005	24 VDC	4.0 A	1040 RPM	6.2 lb in	
MMP C21-125D-24V GP52-014	24 VDC	4.0 A	371 RPM	16 lb in	
MMP C21-125D-24V GPK52-046	24 VDC	4.0 A	113 RPM	50 in lb	
MMP C21-125E-24V GPK52-029	24 VDC	3.5 A	138 RPM	32 in lb	
MMP C21-125G-24V GPK52-046	24 VDC	2.3 A	57 RPM	50 in lb	
MMP C21-230D-24V GP52-308	24 VDC	4.6 A	10 RPM	443 in lb	
MMP C21-125G-36V GPK52-029	36 VDC	2.3 A	134 RPM	32 in lb	
MMP C21-125G-36V GPK52-046	36 VDC	2.3 A	85 RPM	50 in lb	

Note: Products with a "zero" quantity on hand indicate standard products that are normally stocked. Leadtime to replenish Stock is often minimal.

### MMP TM55-P62 GEARMOTOR SERIES

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM55-12V GP62-100	12 VDC	7.2 A	46 RPM	101 lb in	
MMP TM55-12V GP62-308	12 VDC	7.2 A	15 RPM	310 lb in	
MMP TM55-24V GP62-025	24 VDC	3.5 A	184 RPM	27 lb in	
MMP TM55-24V GP62-100	24 VDC	3.5 A	46 RPM	101 lb in	
MMP TM55-24V GP62-308	24 VDC	3.5 A	15 RPM	310 lb in	
MMP TM55-48V GP62-308	48 VDC	1.8 A	15 RPM	310 lb in	

### MMP C21-P62 GEARMOTOR SERIES:

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C21-230B-24V GP62-025	24 VDC	7.4 A	224 RPM	47 lb in	
MMP C21-230B-24V GP62-046	24 VDC	7.4 A	122 RPM	86 lb in	

### MMP C40 GEARMOTOR SERIES:

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C40-300FX-12V GP81-007	12 VDC	66 A	257 RPM	146 lb in	

### Section 4: DC Motors, Servomotors, GearMotors with Tachometers:

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP C21-125D-24V T-07 BR-005 Includes 7V Tach and 5 In Lb Brake ++	24 VDC	4.5 A	5400 RPM	25 Oz In.	
MMP C21-125G-24V T-07 Includes 7V Tach ++	24 VDC	2.4 A	2600 RPM	25 Oz In.	
MMP S23-100H-24V T-07 GP81-308 Includes 7V Tach and 5 In Lb Brake ++	24 VDC	5.3 A	10 RPM	684 Lb In.	

### MMP TM40 PM DC Motor Series: 1.57" Diameter

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 40-12V * ++	12 VDC	5.4A	7000 RPM	12 Oz. In.	
MMP TM 40-24V * ++	24VDC	2.7A	7000 RPM	12 Oz. In.	
MMP TM 40-36V * ++	36 VDC	1.9A	7000 RPM	12 Oz. In.	

\* = Encoder Compatible. We stock 100ppr, 250ppr, 500ppr and 1000 ppr Encoders

++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for a ratio to meet your exact need!

**MMP TM55 PM DC Motor Series: 2.2” Diameter**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP TM 55-12V ++	12 VDC	7.2A	4600 RPM	23 Oz. In.	
MMP TM 55-24V ++	24 VDC	3.6A	4600 RPM	23 Oz. In.	
MMP TM 55-36V ++	36 VDC	2.6A	4600 RPM	23 Oz. In.	
MMP TM55-48V ++	48 VDC	1.3A	3000 RPM	23 Oz. In.	
MMP TM55-60V ++	60 VDC	1.3	4000 RPM	23 Oz. In.	
MMP TM55-90V ++	90 VDC	0.95	4600 RPM	23 Oz. In.	

\* = Encoder Compatible. We stock 100ppr, 250ppr, 500ppr and 1000 ppr Encoders

++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for a ratio to meet your specific need!

**MMP-C21 PM DC Motor Series: 2.25” Diameter**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP-C21-100G-24V ++	24 VDC	2.2A	5400 RPM	20 Oz. In.	
MMP C21-125G-36V BR-005 Includes 5 In Lb “Failsafe” Brake ++	36VDC	2.3A	4000 RPM	25 Oz In.	
MMP-C21-125D-24V * ++	24 VDC	4.5A	5400 RPM	25 Oz. In.	
MMP-C21-125G-24V * ++	24 VDC	2.6A	3000 RPM	25 Oz. In.	
MMP-C21-230B-24V * ++	24 VDC	7.4A	5500 RPM	40 Oz. In.	

\* = Encoder Compatible. We stock 100ppr, 250ppr, 500ppr and 1000 ppr Encoders

++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for an exact ratio to meet your need!

**MMP-S23 PM DC Motor Series: 2.25” Diameter- High Energy Magnets, 4 Pole Design**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP-S23-100F-24V ++	24 VDC	8.3A	4700 RPM	50 Oz. In. (500 Pk)	
MMP S23-100H-24V ++	24VDC	5.2A	6000 RPM	50 Oz. In. (500 Pk)	
MMP-S23-100H-36V ++	24VDC	5.2A	4500 RPM	50 Oz. In. (500 Pk)	
MMP-S23-100H-48V ++	36VDC	5.2A	5500 RPM	50 Oz. In. (500 Pk)	

++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for a ratio to meet your specific need!

**MMP S28 Servo Motors 2.8” Diameter - High Energy, 4 Pole Design:**

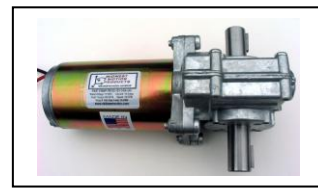


<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP S28-400A-24V BR-015 T-007 Contains integral Tach and Brake	24 VDC (Tach = 7 V/Krpm)	5.9 A	1900 RPM	15.6 lb in (Brake= 15 Lb In.)	
MMP S28-400A-24V BR-015 Contains integral Brake *	24 VDC	5.9 A	1900 RPM	15.6 lb in (Brake= 15 Lb In.)	
MMP-S28-150A-12V GP81-169	12 VDC				
MMP-S28-150B-12V*	12VDC	17A	2500 RPM	110 Oz. In. (1100 Pk)	
MMP-S28-150C-24V*	24VDC	13A	3400 RPM	110 Oz. In. (1100 Pk)	
MMP-S28-150E-48V*	48VDC	8.2A	4500 RPM	110 Oz. In. (1100 Pk)	
MMP-S28-200E-48V *	48 VDC	7.5A	3200 RPM	130 Oz. IN. (1300 Pk)	

\* = Encoder Compatible. We stock 100ppr, 250ppr, 500ppr and 1000 ppr Encoders

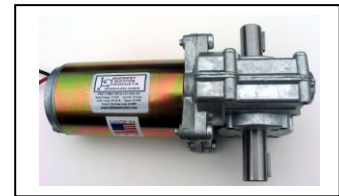
++ = Planetary Gearhead Compatible - Stock Ratios range from 4:1 to 308:1 - Call for an exact ratio to meet your need!

**Section 5: 12V & 24V DC Right Angled Gearmotors:**



**MMP FM-RA GEARMOTOR SERIES, 12 Volt, 82 W Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP FM125-12V GRA-029	12 VDC	10 A	158 RPM	15 lb in	
MMP FM125-12V GRA-058	12 VDC	10 A	76 RPM	25 lb in	
MMP FM125-12V GRA-150	12 VDC	10 A	30 RPM	64 lb in	
MMP FM125-12V GRA-240	12 VDC	10 A	18 RPM	86 lb in	



**MMP FM-RA GEARMOTOR SERIES, 24 Volt, 82 W Gearmotors:**

<u>Model Number</u>	<u>Input Voltage</u>	<u>Input Current</u>	<u>Output Speed</u>	<u>Output Torque</u>	
MMP FM125-24V GRA-029	24 VDC	5.5 A	160 RPM	15 lb in	
MMP FM125-24V GRA-058	24 VDC	5.5 A	80 RPM	30 lb in	
MMP FM125-24V GRA-150	24 VDC	5.5 A	30 RPM	65 lb in	
MMP FM125-24V GRA-241	24 VDC	5.5 A	20 RPM	100 lb in	

## Section 6: Linear Actuators

All MMP Linear Actuators are now "IP-65" rated



### MMP LA-3 LINEAR ACTUATOR SERIES:

<u>Model Number</u>	<u>Input Voltage</u>	<u>Gear Ratio</u>	<u>Stroke Length</u>	<u>Stroke Speed</u>	<u>Output Force</u>	
MMP LA 3-12V-5-A-50mm	12 VDC	5:1	50mm	45mm/Sec	27 lbs	
MMP LA 3-12V-10-A-50mm	12 VDC	10:1	50mm	24mm/Sec	54 lbs	
MMP LA 3-12V-20-A-50mm	12 VDC	20:1	50mm	12mm/Sec	112 lbs	
MMP LA 3-12V-20-A-50mm	12 VDC	20:1	50mm	12mm/Sec	112 lbs	
MMP LA 3-12V-30-A-50mm	12 VDC	30:1	50mm	8mm/Sec	169 lbs	
MMP LA 3-12V-5-A-100mm	12 VDC	5:1	100mm	45mm/Sec	27 lbs	
MMP LA 3-12V-10-A-100mm	12 VDC	10:1	100mm	22mm/Sec	54 lbs	
MMP LA 3-12V-10-A-100mm-P	12VDC	10:1	100mm	22mm/Sec	54 lbs	
MMP LA 3-12V-20-A-100mm	12 VDC	20:1	100mm	12mm/Sec	112 lbs	
MMP LA 3-12V-20-A-100mm-P	12 VDC	20:1	100mm	12mm/ Sec	112 lbs	
MMP LA 3-12V-30-A-100mm	12 VDC	30:1	100mm	8mm/Sec	169 lbs	
MMP LA 3-12V-5-A-150mm	12 VDC	5:1	150mm	45mm/Sec	27 lbs	
MMP LA 3-12V-10-A-150mm	12 VDC	10:1	150mm	22mm/Sec	54 lbs	
MMP LA3 -12V-20-A-150mm	12 VDC	20:1	150mm	12mm/Sec	112 lbs	
MMP LA 3-12V-30-150mm	12 VDC	30:1	150mm	8mm/Sec	169 lbs	
MMP LA 3-12V-30-150mm	12 VDC	30:1	150mm	8mm/Sec	169 lbs	
MMP LA 3-12V-40-A-150mm	12 VDC	40:1	150mm	6mm/Sec	225 lbs	
MMP LA 3-12V-10-A-200mm	12 VDC	10:1	200mm	22mm/Sec	54 lbs	
MMP LA 3-12V-20-A-200mm	12 VDC	20:1	200mm	12mm/Sec	112 lbs	
MMP LA 3-12V-20-A-200mm-P	12VDC	20:1	200mm	12mm/Sec	112 lbs	
MMP LA 3-12V-20-A-250mm	12 VDC	20:1	250mm	12mm/Sec	112 lbs	
MMP LA 3-12V-5-A-300mm	12 VDC	5:1	300mm	45mm/Sec	27 lbs	
MMP LA 3-12V-20-A-300mm	12 VDC	20:1	300mm	12mm/Sec	112 lbs	
MMP LE-8-12V-20:1-450mm	12 VDC	20:1	450mm	13mm /Sec	506 Lbs	
<u>Model Number</u>	<u>Input Voltage</u>	<u>Gear Ratio</u>	<u>Stroke Length</u>	<u>Stroke Speed</u>	<u>Output Force</u>	
MMP LA 3-24V-5-A-50mm	24 VDC	5:1	50mm	45mm/Sec	27 lbs	
MMP LA 3-24V-10-A-50mm	24 VDC	10:1	50mm	22mm/Sec	54 lbs	
MMP LA 3-24V-10-A-50mm-P	24 VDC	10:1	50mm	22mm/Sec	54 lbs	
MMP LA 3-24V-10-A-50mm-P	24 VDC	10:1	50mm	22mm/Sec	54 lbs	
MMP LA 3-24V-5-A-150mm	24 VDC	5:1	150mm	45mm/Sec	27 lbs	
MMP LA 3-24V-20-A-50mm	24 VDC	20:1	50mm	12mm/Sec	112 lbs	
MMP LA 3-24V-20-A-50mm-P	24 VDC	20:1	50mm	13mm/Sec	112 lbs	
MMP LA 3-24V-30-A-50mm	24 VDC	30:1	50mm	8mm/Sec	169 lbs	
MMP LA 3-24V-30-A-50mm -P	24 VDC	30:1	50mm	8mm/Sec	169 lbs	
MMP LA 3-24V-40-A-50mm	24 VDC	40:1	50mm	6mm/Sec	225 lbs	
MMP LA 3-24V-5-A-100mm	24 VDC	5:1	100mm	45mm/Sec	27 lbs	
MMP LA 3-24V 5-A-100mm-P	24 VDC	5:1	100mm	45mm/Sec	27 lbs	
MMP LA-3 24V 10-A-100mm	24 VDC	10:1	100mm	22mm/sec	54 lbs	
MMP LA-3 24V 10-A-100mm-P	24 VDC	10:1	100mm	22mm/Sec	54 lbs	
MMP LA 3-24V-20-A-100mm	24 VDC	20:1	100mm	12mm/Sec	112 lbs	
MMP LA 3-24V-20-A-100mm-P	24 VDC	20:1	100mm	12mm/Sec	112 lbs	
MMP LA-3-24V 30-A-100mm	24 VDC	30:1	100mm	8mm/Sec	169 lbs	
MMP LA-3-24V 30-A-100mm-P	24 VDC	30:1	100mm	8mm/Sec	169 lbs	

MMP LA-3-24V-20-A-150mm	24 VDC	20:1	150mm	12mm/Sec	112 lbs.	
MMP LA-3-24V-20-A-150mm-P	24 VDC	20:1	150 mm	12mm /Sec	112 Lbs.	
MMP LA-3-24V-30-A-150mm	24 VDC	30:1	150mm	8mm/Sec	169 lbs	
MMP LA-3-24V-40-A-150mm	24 VDC	40:1	150mm	6mm/Sec	225 lbs.	
MMP LA-3-24V-10-A-200mm-P	24 VDC	10:1	200mm	22mm/sec	54 lbs	
MMP LA-3-24V-5-A-200mm	24 VDC	5:1	200mm	45mm/Sec	27 lbs	
MMP LA-3-24V-20-A-200 mm	24 VDC	20:1	200mm	12mm/Sec	112 lbs	
MMP LA-3-24V-20-A-200mm-P	24 VDC	20:1	200mm	13mm/Sec	112 lbs	
MMP LA-3-24V-30-A-200mm	24 VDC	30:1	200mm	8mm/Sec	169 lbs	
MMP LA-3-24V-20-A-250mm	24 VDC	20:1	250mm	12mm/Sec	112 lbs	
MMP LA-3-24V-20-A-250mm-P	24 VDC	20:1	250mm	12mm/Sec	112 lbs	
MMP LA-3-24V-30-A-250mm	24 VDC	30;1	250mm	8mm/Sec	169 lbs	
MMP LA-3-24V-20-A-300mm	24 VDC	20:1	300mm	12mm/Sec	112 lbs	
MMP LA-3-24V-20-A-300mm-P	24 VDC	20:1	300mm	12mm/Sec	112 lbs	
MMP LA-3-24V-30-A-300mm	24 VDC	30:1	300mm	8mm/Sec	169 Lbs	
MMP LE 8-24V-10-A-100mm	24 VDC	10:1	100mm			
MMP LE 8-14V-20-A-300-L-C3	24 VDC	20:1				

NOTE: All Actuator Model Numbers containing the “-P” suffix indicates the 10K Ohm Feedback Potentiometer.

## Section 7: Servo Amplifiers, Motor Speed Controls & AC → DC Power Supplies++

Model #	Description
MMP 25A-12V	12 Volt, 25 Amp Motor Speed Control, <b>IP-65 Sealed, Potted Design</b>
MMP 25A-24V	24 Volt, 25 Amp Motor Speed Control, <b>IP-65 Sealed, Potted Design</b>
MMP 25A-48V	48 Volt, 25 Amp Motor Speed Control, <b>IP-65 Sealed, Potted Design</b>
MMP 20A-12V-RSP	12 Volt, 20 Amp Motor Speed Control, <b>With Built-in Reversing Switch &amp; Pot.</b>
MMP 20A-24V-RSP	24 Volt, 20 Amp Motor Speed Control, <b>With Built-in Reversing Switch &amp; Pot.</b>
MMP 20A-48V-RSP	48 Volt, 20 Amp Motor Speed Control, <b>With Built-in Reversing Switch &amp; Pot.</b>
MMP-M815-BR	20-80 Volt DC, 8 A cont. 15A peak PWM Brushed Motor Servo Drive
MMP-1525-BR-24V	20-100 VDC, 15A Cont, 25A peak, Brushed Servo Drive accepts ± 10v DC Analog Command
MMP-M815-BL	20-80 Volt DC, 8 A cont. 15A peak PWM Brushless Motor Servo Drive
MMP-M1224-BL	200-360 VDC, 12A Cont, 24A peak, Brushless Servo Drive
MMP-M1525-BL	60-170 VDC, 15A Cont, 25A peak, Brushless Servo Drive
MMP-PS-320-12V	AC to DC Power Supply, 88-264 VAC In, 12 VDC adjustable voltage, to 25 Ampere output current
MMP-PS-320-24V	AC to DC Power Supply, 88-264 VAC In, 24 VDC adjustable voltage, to 12.5 Ampere output current
MMP-PS-320-48V	AC to DC Power Supply, 88-264 VAC In, 48 VDC adjustable voltage, to 6.7 Ampere output current
MMP 115VAC-12VDC	Motor Speed Control accepts 115 VAC input, variable speed to 12 Volt DC Motors, up to 5 Amps

++ Items are generally available from stock but are subject to availability and existing demands.

Complete pdf Spec Sheets for each Product available on our website in the [products section](#).

## MIDWEST MOTION PRODUCTS

To request a quote or confirm availability of a given product, call: (952) 955-2626  
or email us at: [sales@midwestmotion.com](mailto:sales@midwestmotion.com)