

MaxPlus® Series Rotary Motors



MaxPlus® Brushless Rotary Servo Motors

The MaxPlus family is redefining performance, flexibility and reliability, with the industry's broadest range of brushless servo motors – from 1 1/2" to 12" (40 mm to 320 mm). Each unit delivers more performance in a smaller package for less cost. What's more, the reliability of MaxPlus Series motors is becoming legendary in demanding applications. Our rugged construction and industry-leading performance features give you an unbeatable price/performance/cost of ownership combination.

MaxPlus is not just an "off the shelf" line of servo motors. It is a line that offers unparalleled flexibility to achieve precise application requirements. What's more, Compumotor is committed to working with our customers to custom design solutions that meet specific performance and cost criteria.

MaxPlus is the only motor line with such performance specs as more torque to volume, more torque to inertia and more torque per dollar. The full line of MaxPlus brushless servo motors outperforms competitive units in virtually every performance category.

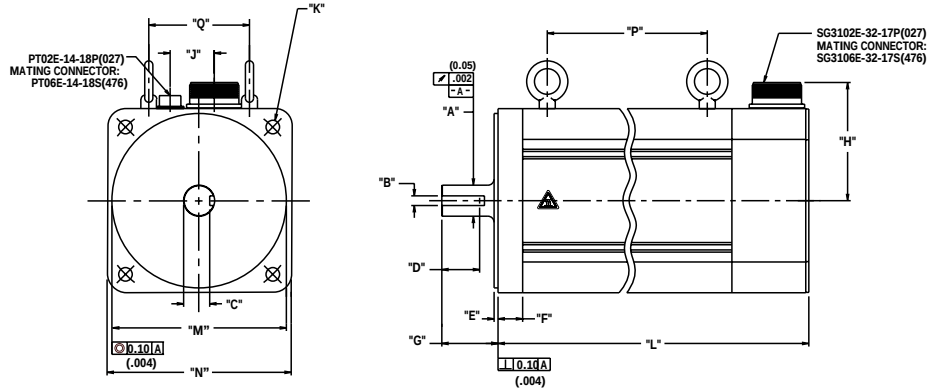
MaxPlus Rotary Motor Features

- High-performance neodymium magnet material
- Resolver and encoder feedback
- Custom windings available
- IP65 sealing for washdown environments standard
- MS connector termination or flying lead termination
- Thermal sensor with windings
- Optional internally mounted brake
- Optional additional feedback transducers
- Optional gear reducers



Custom Designed Servo Motors For Your Specific Application. Call 1-800-358-9070 Today.

Model #	Size (Inches)	Horsepower (HP)	Max Operating Speed (RPM)	Speed at Rated Torque (RPM)	Peak Torque (IN-LBS [Nm])	Model #	Size (Inches)	Horsepower (HP)	Max Operating Speed (RPM)	Speed at Rated Torque (RPM)	Peak Torque (IN-LBS [Nm])
MPM401ASE	1.5"	0.027	6000	4800	1.5 / 0.17	MPM1421ASG	6"	4.4	2700	2400	390.0 / 44
MPM401BSE	1.5"	0.022	5200	3600	1.6 / 0.18	MPM1421BSG	6"	2.9	1750	1500	390.0 / 44
MPM401CSE	1.5"	0.016	4400	2500	1.7 / 0.19	MPM1421CSJ	6"	4.9	3400	2800	390.0 / 44
MPM402ASE	1.5"	0.065	6000	4800	3.5 / 0.39	MPM1421DSJ	6"	2.9	1750	1500	390.0 / 44
MPM402BSE	1.5"	0.059	5200	4100	3.5 / 0.39	MPM1422ASG	6"	6.8	2700	2400	630.0 / 71
MPM402CSE	1.5"	0.054	4400	3500	3.6 / 0.41	MPM1422BSG	6"	4.5	1750	1500	630.0 / 71
MPM403ASE	1.5"	0.093	6000	4800	3.7 / 0.41	MPM1422CSJ	6"	7.6	3400	2800	630.0 / 71
MPM403BSE	1.5"	0.085	5200	4100	4.7 / 0.53	MPM1422DSJ	6"	4.5	1750	1500	630.0 / 71
MPM403CSE	1.5"	0.078	4400	3500	4.9 / 0.55	MPM1423ASG	6"	9.1	2700	2400	840.0 / 95
MPM404ASE	1.5"	0.11	6000	4800	5.3 / 0.59	MPM1423BSG	6"	6.0	1750	1500	840.0 / 95
MPM404BSE	1.5"	0.10	5200	4100	5.4 / 0.61	MPM1423CSJ	6"	9.8	3400	2800	840.0 / 95
MPM404CSE	1.5"	0.093	4400	3500	5.6 / 0.63	MPM1423DSJ	6"	6.0	1750	1500	840.0 / 95
MPM661ASF	2"	0.15	6000	4000	9.7 / 1.1	MPM1424ASG	6"	10	2700	2100	1081.0 / 120
MPM661BSF	2"	0.091	3000	2500	9.5 / 1.1	MPM1424BSG	6"	7.6	1750	1500	1081.0 / 120
MPM662ASF	2"	0.22	5000	4000	15.1 / 1.7	MPM1424CSJ	6"	12	3400	2800	1081.0 / 120
MPM662BSF	2"	0.16	3000	2500	15.1 / 1.7	MPM1424DSJ	6"	7.6	1750	1500	1081.0 / 120
MPM663ASF	2"	0.36	5500	4500	22.5 / 2.5	MPM1901ASG	8"	13	3000	2400	1200.0 / 140
MPM663BSF	2"	0.19	3300	2000	22.5 / 2.5	MPM1901BSG	8"	6.5	1500	1200	1200.0 / 140
MPM664ASF	2"	0.48	6000	5000	30.0 / 3.4	MPM1901CSJ	8"	13	3000	2400	1200.0 / 140
MPM664BSF	2"	0.38	3600	3000	30.0 / 3.4	MPM1901DSJ	8"	6.5	1500	1200	1200.0 / 140
MPM721ASF	2.75"	0.41	6800	5500	17.0 / 1.9	MPM1902ASG	8"	21	3000	2400	1780.0 / 200
MPM721BSG	2.75"	0.41	6800	5500	17.0 / 1.9	MPM1902BSG	8"	10	1500	1200	1920.0 / 220
MPM721CSG	2.75"	0.24	4000	3000	17.0 / 1.9	MPM1902CSJ	8"	21	3000	2400	1920.0 / 220
MPM722ASF	2.75"	0.75	7000	5000	34.0 / 3.8	MPM1902DSJ	8"	10	1500	1200	1920.0 / 220
MPM722BSG	2.75"	0.75	7000	5000	34.0 / 3.8	MPM1903ASG	8"	29	3000	2400	1780.0 / 200
MPM722CSG	2.75"	0.48	4000	3000	34.0 / 3.8	MPM1903BSG	8"	14	1500	1200	2640.0 / 300
MPM723ASF	2.75"	0.91	6300	4500	45.0 / 5.1	MPM1903CSJ	8"	29	3000	2400	2640.0 / 300
MPM723BSG	2.75"	0.91	6300	4500	45.0 / 5.1	MPM1903DSJ	8"	14	1500	1200	2640.0 / 300
MPM723CSG	2.75"	0.63	4000	3000	45.0 / 5.1	MPM1904ASG	8"	36	3000	2400	1780.0 / 200
MPM724ASF	2.75"	1.3	6000	5000	56.0 / 6.3	MPM1904BSG	8"	18	1500	1200	3276.0 / 370
MPM724BSG	2.75"	1.3	6000	5000	56.0 / 6.3	MPM1904CSJ	8"	36	3000	2400	3276.0 / 370
MPM724CSG	2.75"	0.79	4000	3000	56.0 / 6.3	MPM1904DSJ	8"	18	1500	1200	3276.0 / 370
MPM891ASG	3"	0.83	5000	4000	58.8 / 6.6	MPM3201R**-A*	Consult Factory				
MPM891BSG	3"	0.55	3000	2400	58.8 / 6.6	MPM3201R**-B*					
MPM892ASG	3"	1.6	5000	4000	109.9 / 12	MPM3201R**-C*					
MPM892BSG	3"	1.0	3000	2400	111.5 / 13	MPM3201R**-A*0					
MPM893ASG	3"	2.0	4100	3600	143.2 / 16	MPM3201R**-B*0					
MPM893BSG	3"	0.86	2000	1500	137.6 / 16	MPM3201R**-C*0					
MPM1141ASG	4"	2.1	4200	3000	189.0 / 21	MPM3202R**-B*					
MPM1141BSG	4"	1.2	2100	1500	189.0 / 21	MPM3202R**-C*					
MPM1141CSJ	4"	2.1	4200	3000	189.0 / 21	MPM3202R**-D*					
MPM1141DSJ	4"	1.2	2100	1500	189.0 / 21	MPM3202R**-B*0					
MPM1142ASG	4"	3.3	4200	3000	291.0 / 33	MPM3202R**-C*0					
MPM1142BSG	4"	1.8	2100	1500	291.0 / 33	MPM3202R**-D*0					
MPM1142CSJ	4"	3.3	4200	3000	291.0 / 33	MPM3203R**-B*					
MPM1142DSJ	4"	1.8	2100	1500	291.0 / 33	MPM3203R**-C*					
MPM1143ASG	4"	4.6	4200	3000	407.0 / 46	MPM3203R**-D*					
MPM1143BSG	4"	2.5	2100	1500	407.0 / 46	MPM3203R**-B*0					
MPM1143CSJ	4"	4.6	4200	3000	407.0 / 46	MPM3203R**-C*0					
MPM1143DSJ	4"	2.5	2100	1500	407.0 / 46	MPM3203R**-D*0					
						MPM3204R**-B*					
						MPM3204R**-C*					
						MPM3204R**-D*					
						MPM3204R**-B*0					
						MPM3204R**-C*0					
						MPM3204R**-D*0					

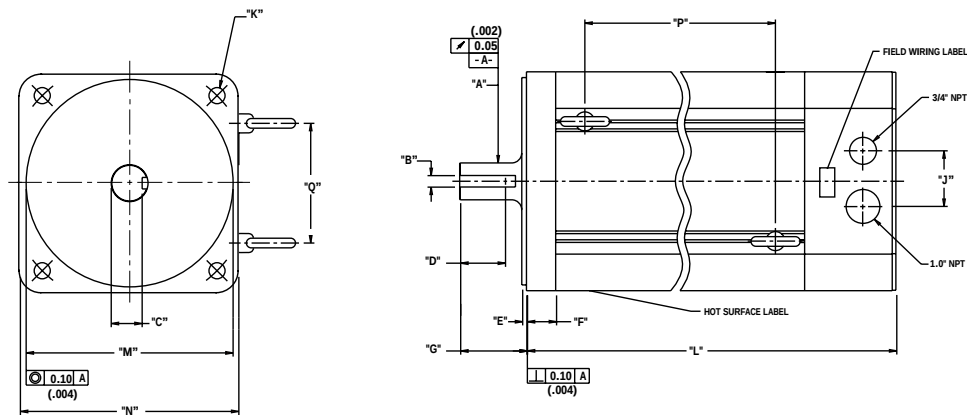


8" (190) Metric Connectorized Termination-Option 1 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"
MPM1901***7***	32.017(1.2605) 31.999(1.2598)	10.000(.3937) 9.964(.3923)	26.90(1.059)	39.0(1.54) Min	4.0(0.16)	25.4(1.00)	58.5(2.30) 57.5(2.26)	123.0(4.84)
MPM1902***7***	32.017(1.2605) 31.999(1.2598)	10.000(.3937) 9.964(.3923)	26.90(1.059)	39.0(1.54) Min	4.0(0.16)	25.4(1.00)	58.5(2.30) 57.5(2.26)	123.0(4.84)
MPM1904***7***	48.019(1.8905) 47.998(1.8897)	14.000(.5512) 13.957(.5495)	42.39(1.669)	39.0(1.54) Min	4.0(0.16)	25.4(1.00)	58.5(2.30) 57.5(2.26)	123.0(4.84)

Model	J"	"K"	"L"	"L" w/ Brake	"M"	"N"	"P"	"Q"
MPM1901***7***	45.5(1.79)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	321.2(12.65)Max	397.5(15.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	165.1(6.50)	103.9(4.09)
MPM1902***7***	45.5(1.79)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	397.5(15.65)Max	473.7(18.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	241.3(9.50)	103.9(4.09)
MPM1904***7***	45.5(1.79)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	549.9(21.65)Max	626.1(24.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	393.7(15.50)	103.9(4.09)

Metric = 7 Units: mm (in) For Mechanical Dimensions on Termination Option 2 Consult Factory.
Option 6-Not Available
Custom Mounts-Consult Factory



8" (190) Metric NPT Termination-Option 3 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"
MPM1901***7***	32.017(1.2605)	10.000(.3937)	26.90(1.059)	39.0(1.54)Min	4.0(0.16)	25.4(1.00)	58.5(2.30)
	31.999(1.2598)	9.964(.3923)					57.5(2.26)
MPM1902***7***	32.018(1.2605)	10.000(.3937)	26.90(1.059)	39.0(1.54)Min	4.0(0.16)	25.4(1.00)	58.5(2.30)
	31.998(1.2598)	9.964(.3923)					57.5(2.26)
MPM1904***7***	48.019(1.8905)	14.000(.5512)	42.39(1.669)	39.0(1.54)Min	4.0(0.16)	25.4(1.00)	58.5(2.30)
	47.998(1.8897)	13.957(.5495)					57.5(2.26)

Model	"J"	"K"	"L"	"L" w/ Brake	"M"	"N"	"P"	"Q"
MPM1901***7***	48.3(1.90)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	321.2(12.65)Max	397.5(15.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	165.1(6.50)	103.9(4.09)
MPM1902***7***	48.3(1.90)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	397.5(15.65)Max	473.7(18.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	241.3(9.50)	103.9(4.09)
MPM1904***7***	48.3(1.90)	Ø14.00(.551)THRU (4)EQ SPD AS SHOWN ON Ø215.00(8.464) B.C.	549.9(21.65)Max	626.1(24.65)Max	Ø 180.01(7.087) 179.99(7.086)	□ 190.0(7.48)	393.7(15.50)	103.9(4.09)

Metric = 7 Units: mm (in) For Mechanical Dimensions on Termination Option 2 Consult Factory.
Option 6-Not Available
Custom Mounts-Consult Factory

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