

4" Frame Brushless Servo Motors



Motor Data (Sine)

Motor Parameters		Units	1141ASG****	1141BSG****
Horsepower	Hp Rated	Hp	2.1	1.2
Kilowatts	KW Rated	KW	1.60	.88
Max. Operating Speed	N Max	RPM	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	45.0[5.1]	50.0[5.6]
*Continuous Stall Torque		IN-LBS[Nm]	54.0[6.1]	54.0[6.1]
Continuous Line Current		AMPS(RMS/φ)	6.2	3.1
Peak Torque	Tpk	IN-LBS[Nm]	189.0[21.3]	189.0[21.3]
Peak Current		AMPS(RMS/φ)	21.6	10.8
Max. Theoretical Accel.		RAD/SEC ²	54,000	54,000
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/φ)[Nm/AMP(RMS/φ)]	8.8[.99]	17.5[1.98]
Back EMF (Line to Line)	±10%	Vrms/Krpm	55.0	110.0
D.C.Resistance (P-P)	±10%	OHMS	0.83	3.3
Inductance (P-P)	±10%	MILLIHENRIES	6.1	24.4
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0035[.00039]	.0035[.00039]
Static Friction	Tf	IN-LBS[Nm]	1.0[0.11]	1.0[0.11]
Motor Weight		LBS[Kg]	19.4[8.8]	19.4[8.8]
Line Voltage		VAC	230	230

Motor Parameters		Units	1142ASG****	1142BSG****	1143ASG****	1143BSG****
Horsepower	Hp Rated	Hp	3.3	1.8	4.6	2.4
Kilowatts	KW Rated	KW	2.5	1.33	3.4	1.8
Max. Operating Speed	N Max	RPM	4200	2100	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	69.1[7.8]	75.0[8.4]	96.8[10.9]	104.0[11.7]
*Continuous Stall Torque		IN-LBS[Nm]	83.0[9.3]	83.0[9.3]	116.2[13.1]	116.2[13.1]
Continuous Line Current		AMPS(RMS/φ)	9.5	4.7	13.2	6.6
Peak Torque	Tpk	IN-LBS[Nm]	290.5[32.7]	290.5[32.7]	406.7[45.7]	406.7[45.7]
Peak Current		AMPS(RMS/φ)	33.1	16.5	46.4	23.2
Max. Theoretical Accel.		RAD/SEC ²	44,015	44,015	42,811	42,811
Torque Sensitivity	Kt	IN-LBS/AMP(RMS/φ)[Nm/AMP(RMS/φ)]	8.8[.99]	17.5[1.98]	8.8[.99]	17.5[1.98]
Back EMF (Line to Line)	±10%	Vrms/Krpm	55.0	110.0	55.0	110.0
D.C.Resistance (P-P)	±10%	OHMS	.40	1.8	.27	1.1
Inductance (P-P)	±10%	MILLIHENRIES	2.8	12.6	2.0	8.1
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0066[.00074]	.0066[.00074]	.0095[.00107]	.0095[.00107]
Static Friction	Tf	IN-LBS[Nm]	1.4[0.16]	1.4[0.16]	1.8[0.2]	1.8[0.2]
Motor Weight		LBS[Kg]	27.6[12.5]	27.6[12.5]	37.0[16.8]	37.0[16.8]
Line Voltage		VAC	230	230	230	230

Brake Info

Min. Holding Torque: 240IN-LBS
 Input Voltage: 24VDC
 Current : .88AMPS
 Inertia : .000412IN-LB-SEC²
 Weight Adder: 6 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 12" x 12" x 1/2" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 50 LBS. Max.
2. Radial Load: 100 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

Motor Data (Trap)

Motor Parameters			Units	1141ATG****	1141BTG****
Horsepower	Hp Rated	Hp		2.1	1.2
Kilowatts	KW Rated	KW		1.6	.88
Max. Operating Speed	N Max	RPM		4200	2100
Speed @ Rated Torque	N Rated	RPM		3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		45.0[5.1]	50.0[5.6]
*Continuous Stall Torque		IN-LBS[Nm]		54.0[6.1]	54.0[6.1]
Continuous Line Current		AMPS		8.7	4.4
Peak Torque	Tpk	IN-LBS[Nm]		189.0[21.3]	189.0[21.3]
Peak Current		AMPS		30.5	15.3
Max. Theoretical Accel.		RAD/SEC ²		54,000	54,000
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		6.2[0.71]	12.4[1.40]
Back EMF (Line to Line)	±10%	Vrms/Krpm		55.0	110.0
D.C. Resistance (P-P)	±10%	OHMS		.82	3.3
Inductance (P-P)	±10%	MILLIHENRIES		6.1	24.4
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]		.0035[.00039]	.0035[.00039]
Static Friction	Tf	IN-LBS[Nm]		1.0[0.11]	1.0[0.11]
Motor Weight		LBS[Kg]		19.4[8.8]	19.4[8.8]
Line Voltage		VAC		230	230

Motor Parameters			Units	1142ATG****	1142BTG****	1143ATG****	1143BTG****
Horsepower	Hp Rated	Hp		3.3	1.8	4.6	2.4
Kilowatts	KW Rated	KW		2.5	1.3	3.4	1.8
Max. Operating Speed	N Max	RPM		4200	2100	4200	2100
Speed @ Rated Torque	N Rated	RPM		3000	1500	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		69.1[7.8]	75.0[8.4]	96.8[10.9]	104.0[11.7]
*Continuous Stall Torque		IN-LBS[Nm]		83.0[9.3]	83.0[9.3]	116.2[13.1]	116.2[13.1]
Continuous Line Current		AMPS		13.4	6.7	18.7	9.4
Peak Torque	Tpk	IN-LBS[Nm]		290.5[32.7]	290.5[32.7]	406.7[45.7]	406.7[45.7]
Peak Current		AMPS		46.8	23.4	65.6	32.8
Max. Theoretical Accel.		RAD/SEC ²		44,015	44,015	42,811	42,811
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		6.2[0.71]	12.4[1.40]	6.2[0.71]	12.4[1.40]
Back EMF (Line to Line)	±10%	Vrms/Krpm		55.0	110.0	55.0	110.0
D.C. Resistance (P-P)	±10%	OHMS		.40	1.8	.27	1.1
Inductance (P-P)	±10%	MILLIHENRIES		2.8	12.6	2.0	8.1
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]		.0066[.00074]	.0066[.00074]	.0095[.00107]	.0095[.00107]
Static Friction	Tf	IN-LBS[Nm]		1.4[0.16]	1.4[0.16]	1.8[0.2]	1.8[0.2]
Motor Weight		LBS[Kg]		27.6[12.5]	27.6[12.5]	37.0[16.8]	37.0[16.8]
Line Voltage		VAC		230	230	230	230

Brake Info:

Min. Holding Torque: 240IN-LBS
 Input Voltage: 24VDC
 Current : .88AMPS
 Inertia : .000412IN-LB-SEC²
 Weight Adder: 6 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 12" x 12" x 1/2" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 50 LBS. Max.
2. Radial Load: 100 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

Motor Data (Sine)

Motor Parameters		Units	1141CSJ****	1141DSJ****
Horsepower	Hp Rated	Hp	2.1	1.2
Kilowatts	KW Rated	KW	1.6	.88
Max. Operating Speed	N Max	RPM	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	45.0[5.1]	50.0[5.6]
*Continuous Stall Torque		IN-LBS[Nm]	54.0[6.1]	54.0[6.1]
Continuous Line Current		AMPS/(RMS/φ)	3.1	1.6
Peak Torque	Tpk	IN-LBS[Nm]	189.0[21.3]	189.0[21.3]
Peak Current		AMPS/(RMS/φ)	10.8	5.4
Max. Theoretical Accel.		RAD/SEC ²	54,000	54,000
Torque Sensitivity	Kt	IN-LBS/AMP/(RMS/φ)[Nm/AMP/(RMS/φ)]	17.5[1.98]	34.9[3.94]
Back EMF (Line to Line)	±10%	Vrms/Krpm	110.0	220.0
D.C.Resistance (P-P)	±10%	OHMS	3.2	13.3
Inductance (P-P)	±10%	MILLIHENRIES	24.0	99.0
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0035[.00039]	.0035[.00039]
Static Friction	Tf	IN-LBS[Nm]	1.0[0.11]	1.0[0.11]
Motor Weight		LBS[Kg]	19.4[8.8]	19.4[8.8]
Line Voltage		VAC	460	460

Motor Parameters		Units	1142CSJ****	1142DSJ****	1143CSJ****	1143DSJ****
Horsepower	Hp Rated	Hp	3.3	1.8	4.6	2.4
Kilowatts	KW Rated	KW	2.5	1.3	3.4	1.8
Max. Operating Speed	N Max	RPM	4200	2100	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	69.1[7.8]	75.0[8.4]	96.8[10.9]	104.0[11.7]
*Continuous Stall Torque		IN-LBS[Nm]	83.0[9.3]	83.0[9.3]	116.2[13.1]	116.2[13.1]
Continuous Line Current		AMPS/(RMS/φ)	4.7	2.3	6.6	3.3
Peak Torque	Tpk	IN-LBS[Nm]	290.5[32.7]	290.5[32.7]	406.7[45.7]	406.7[45.7]
Peak Current		AMPS/(RMS/φ)	16.5	8.3	23.2	11.6
Max. Theoretical Accel.		RAD/SEC ²	44,015	44,015	42,811	42,811
Torque Sensitivity	Kt	IN-LBS/AMP/(RMS/φ)[Nm/AMP/(RMS/φ)]	17.5[1.98]	34.9[3.94]	17.5[1.98]	34.9[3.94]
Back EMF (Line to Line)	±10%	Vrms/Krpm	1100	2200	1100	2200
D.C.Resistance (P-P)	±10%	OHMS	1.8	6.3	1.0	3.9
Inductance (P-P)	±10%	MILLIHENRIES	12.1	47.4	7.8	29.6
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0066[.00074]	.0066[.00074]	.0095[.00107]	.0095[.00107]
Static Friction	Tf	IN-LBS[Nm]	1.4[0.16]	1.4[0.16]	1.8[0.2]	1.8[0.2]
Motor Weight		LBS[Kg]	27.6[12.5]	27.6[12.5]	37.0[16.8]	37.0[16.8]
Line Voltage		VAC	460	460	460	460

Brake Info:

Min. Holding Torque: 240IN-LBS
 Input Voltage: 24VDC
 Current : .88 AMPS
 Inertia : .000412IN-LB-SEC²
 Weight Adder: 6 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 12" x 12" x 1/2" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 50 LBS, Max.
2. Radial Load: 100 LBS, Max. @ 1" from face
3. Motor Sealed to IP65

Motor Data (Trap)

Motor Parameters		Units	1141CTJ****	1141DTJ****
Horsepower	Hp Rated	Hp	2.1	1.2
Kilowatts	KW Rated	KW	1.6	.88
Max. Operating Speed	N Max	RPM	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	45.0[5.1]	50.0[5.6]
*Continuous Stall Torque		IN-LBS[Nm]	54.0[6.1]	54.0[6.1]
Continuous Line Current		AMPS	4.4	2.2
Peak Torque	Tpk	IN-LBS[Nm]	189.0[21.3]	189.0[21.3]
Peak Current		AMPS	15.3	7.6
Max. Theoretical Accel.		RAD/SEC ²	54,000	54,000
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	12.4[1.40]	24.7[2.79]
Back EMF (Line to Line)	±10%	Vrms/Krpm	1100	220.0
D.C.Resistance (P-P)	±10%	OHMS	3.2	13.3
Inductance (P-P)	±10%	MILLIHENRIES	24.0	99.0
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0035[.00039]	.0035[.00039]
Static Friction	Tf	IN-LBS[Nm]	1.0[0.11]	1.0[0.11]
Motor Weight		LBS[Kg]	19.4[8.8]	19.4[8.8]
Line Voltage		VAC	460	460

Motor Parameters		Units	1142CTJ****	1142DTJ****	1143CTJ****	1143DTJ****
Horsepower	Hp Rated	Hp	3.3	1.8	4.6	2.4
Kilowatts	KW Rated	KW	2.5	1.3	3.4	1.8
Max. Operating Speed	N Max	RPM	4200	2100	4200	2100
Speed @ Rated Torque	N Rated	RPM	3000	1500	3000	1500
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	69.1[7.8]	75.0[8.4]	96.8[10.9]	104.0[11.7]
*Continuous Stall Torque		IN-LBS[Nm]	83.0[9.3]	83.0[9.3]	116.2[13.1]	116.2[13.1]
Continuous Line Current		AMPS	6.7	3.3	9.4	4.7
Peak Torque	Tpk	IN-LBS[Nm]	290.5[32.7]	290.5[32.7]	406.7[45.7]	406.7[45.7]
Peak Current		AMPS	23.4	11.7	32.8	16.4
Max. Theoretical Accel.		RAD/SEC ²	44,015	44,015	42,811	42,811
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	12.4[1.40]	24.7[2.79]	12.4[1.40]	24.7[2.79]
Back EMF (Line to Line)	±10%	Vrms/Krpm	1100	2200	1100	2200
D.C.Resistance (P-P)	±10%	OHMS	1.8	6.3	1.0	3.9
Inductance (P-P)	±10%	MILLIHENRIES	12.1	47.4	7.8	29.6
Rotor Inertia	Jm	IN-LBS-SEC ² [Kg-M ²]	.0066[.00074]	.0066[.00074]	.0095[.00107]	.0095[.00107]
Static Friction	Tf	IN-LBS[Nm]	1.40[.16]	1.4[0.16]	1.8[0.2]	1.8[0.2]
Motor Weight		LBS[Kg]	27.6[12.5]	27.6[12.5]	37.0[16.8]	37.0[16.8]
Line Voltage		VAC	460	460	460	460

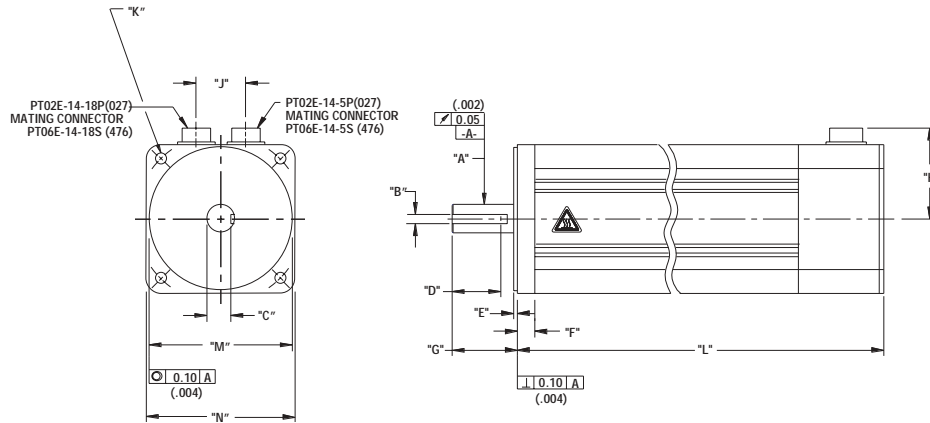
Brake Info:

Min. Holding Torque: 240IN-LBS
 Input Voltage: 24VDC
 Current : .88AMPS
 Inertia : .000412IN-LB-SEC²
 Weight Adder: 6 LBS

*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 12" x 12" x 1/2" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 50 LBS. Max.
2. Radial Load: 100 LBS. Max. @ 1" from face
3. Motor Sealed to IP65



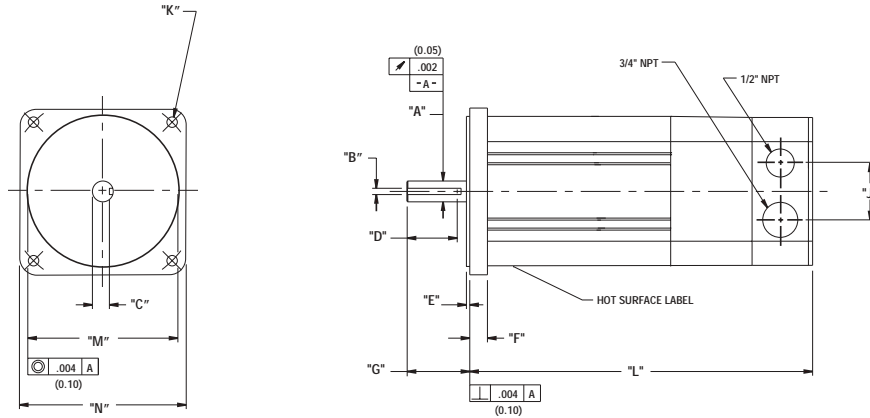
4" (114) English and Metric Connectorized Termination-Option 1 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"
MPM1141***6***	∅ .6245(15.862) .6241(15.852)	.1890(4.801) .1875(4.763)	.509(12.93)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1141***7***	∅ 18.999(.7480) 18.987(.7475)	5.99(.236) 5.97(.235)	15.49(.610)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)
MPM1142***6***	∅ .8750(22.225) .8745(22.212)	.1890(4.801) .1875(4.763)	.774(19.65)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1142***7***	∅ 24.000(.9449) 23.988(.9444)	7.998(.3149) 7.963(.3135)	19.90(.784)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)
MPM1143***6***	∅ .8750(22.225) .8745(22.212)	.1890(4.801) .1875(4.763)	.774(19.65)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1143***7***	∅ 24.000(.9449) 23.988(.9444)	7.998(.3149) 7.963(.3135)	19.90(.784)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)

Model	"H"	"J"	"K"	"L"	"L" w/ Brake	"M"	"N"
MPM1141***6***	2.8(71)Max	1.5(38.0)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23)B.C.	8.61(218.7)Max	10.61(269.5)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1141***7***	71(2.8)Max	38.0(1.5)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118)B.C.	218.2(8.59)Max	269.0(10.59)	∅ 110.01(4.331) 109.98(4.330)	□ 114.3(4.50)
MPM1142***6***	2.8(71)Max	1.5(38.0)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23)B.C.	11.11(282.2)Max	13.11(333.0)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1142***7***	71(2.8)Max	38.0(1.5)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118)B.C.	281.7(11.09)Max	332.5(13.09)	∅ 110.01(4.331) 109.98(4.330)	□ 114.3(4.50)
MPM1143***6***	2.8(71)Max	1.5(38.0)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23)B.C.	13.61(345.7)Max	15.61(396.5)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1143***7***	71(2.8)Max	38.0(1.5)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118)B.C.	345.2(13.59)Max	396.0(15.59)	∅ 110.01(4.331) 109.98(4.330)	□ 114.3(4.50)

English = 6 Units: in (mm)
 Metric = 7 Units: mm (in)

For Mechanical Dimensions on Termination Option 2 Consult Factory.



4" (114) English and Metric NPT Termination-Option 3 Motors

Model	"A"	"B"	"C"	"D"	"E"	"F"	"G"
MPM1141***6***	∅ .6245(15.862) ∅ .6241(15.852)	.1890(4.801) .1875(4.763)	.509(12.93)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1141***7***	∅ 18.999(.7480) ∅ 18.987(.7475)	5.99(.236) 5.97(.235)	15.49(610)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)
MPM1142***6***	∅ .8750(22.225) ∅ .8745(22.212)	.1890(4.801) .1875(4.763)	.774(19.65)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1142***7***	∅ 24.000(.9449) ∅ 23.988(.9444)	7.998(.3149) 7.963(.3135)	19.90(.784)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)
MPM1143***6***	∅ .8750(22.225) ∅ .8745(22.212)	.1890(4.801) .1875(4.763)	.774(19.65)	1.5(38.1)Min	.10(2.5)	.53(13.5)	1.90(48.2) 1.86(47.1)
MPM1143***7***	∅ 24.000(.9449) ∅ 23.988(.9444)	7.998(.3149) 7.963(.3135)	19.90(.784)	37.0(1.46)Min	3.0(.12)	13.0(.51)	50.5(1.99) 49.5(1.95)

Model	"J"	"K"	"L"	"L" w/ Brake	"M"	"N"
MPM1141***6***	1.71(43.4)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23) B.C.	10.30(261.6)Max	12.30(312.42)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1141***7***	43.4(1.71)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118) B.C.	261.0(10.28)Max	311.9(12.28)	∅ 110.00(4.331) 109.98(4.330)	□ 114.3(4.50)
MPM1142***6***	1.71(43.4)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23) B.C.	12.80(325.1)Max	14.80(375.92)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1142***7***	43.4(1.71)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118) B.C.	324.5(12.78)Max	375.4(14.78)	∅ 110.00(4.331) 109.98(4.330)	□ 114.3(4.50)
MPM1143***6***	1.71(43.4)	3/8-16UNC-2B THRU (4)EQ SPD AS SHOWN ON ∅5.875(149.23) B.C.	15.30(388.6)Max	17.30(439.42)	∅ 4.500(114.30) 4.499(114.27)	□ 5.00(127.0)
MPM1143***7***	43.4(1.71)	∅9.18(.362)THRU (4)EQ SPD AS SHOWN ON ∅130.00(5.118) B.C.	388.0(15.28)Max	438.9(17.28)	∅ 110.00(4.331) 109.98(4.330)	□ 114.3(4.50)

English = 6 Units: in (mm)
 Metric = 7 Units: mm (in)

For Mechanical Dimensions on Termination Option 2 Consult Factory.

4" Motor with Resolver Feedback

Option 1

Motor Connector 270-00026 (PT02E-14-5P(027))

Pin	Function
A	ϕ R
B	ϕ S
C	ϕ T
D	PE GND
E	-

Resolver Connector 270-00024 (PT02E-14-18P(027))

Pin	Function
U	THERM
N	THERM
H	SIN
G	COS GND
S	COS
F	SIN GND
R	REF GND
E	REF
D	RES SHLD
P	GND
A	-
B	-
C	-
J	-
K	-
L	-
M	-
T	-

*** Option 1 with brake**

Motor Brake Connector 270-00032 (PT02E-16-8P(027))

Pin	Function
A	ϕ R
B	ϕ S
C	ϕ T
D	PE GND
E	BRK SHLD
F	BRK (+)
G	BRK (-)
H	-

Option 2

Motor Brake Connector 270-00256 (BEGA0589NN000009000)

Pin	Function
1	ϕ R (U1)
2	PE GND
3	ϕ T (W1)
4	ϕ S (V1)
*A	BRK (+)
*B	BRK (-)
C	THERM
D	THERM

*** USE ONLY WITH BRAKE OPTION**

Resolver Connector 270-00257 (AEGA052NN00000013000)

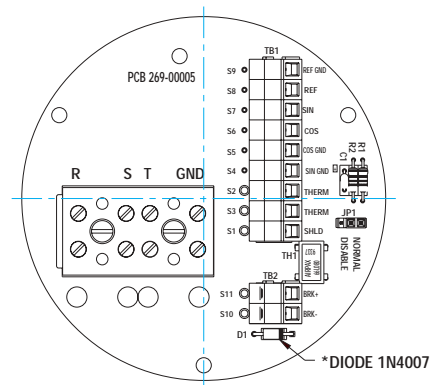
Pin	Function
1	-
2	REF (R1)
3	REF GND (R2)
4	COS GND (S1)
5	COS (S3)
6	SIN (S2)
7	SIN GND (S4)
8	-
9	-
10	-
11	-
12	-

Option 3

Connection Chart (NPT) Resolver

Terminal	Function
R	ϕ R
S	ϕ S
T	ϕ T
GND	PE GND
*S11	BRK (+)
*S10	BRK (-)
S9	REF GND
S8	REF
S7	SIN
S6	COS
S5	COS GND
S4	SIN GND
S3	THERM
S2	THERM
S1	RES SHLD

*** USE ONLY WITH BRAKE OPTION**



4" Motor with Encoder Feedback

Option 1

Motor Connector 270-00026 (PT02E-14-5P(027))



Pin	Function
A	ϕ R
B	ϕ S
C	ϕ T
D	PE GND
E	-

Encoder Connector 270-00024 (PT02E-14-18P(027))

Pin	Function
T	GND
K	+5VDC
B	CH A
C	CH A\
N	CH B
P	CH B\
M	CH Z
U	CH Z\
E	CH U
R	CH U\
F	CH V
S	CH V\
G	CH W
H	CH W\
D	GND/CABLE
A	THERM
L	THERM
J	GND

Option 1 with brake



Motor Brake Connector 270-00032 (PT02E-16-8P(027))

Pin	Function
A	ϕ R
B	ϕ S
C	ϕ T
D	PE GND
E	BRK SHLD
F	BRK (+) 
G	BRK (-) 
H	-

Option 3-Consult Factory

Option 2

Motor Brake Connector 270-00256 (BEGA089NN00000013000)

Pin	Function
1	ϕ R (U1)
2	PE GND
3	ϕ T (W1)
4	ϕ S (V1)
*A	BRK (+) 
*B	BRK (-) 
C	THERM
D	THERM

*USE ONLY WITH BRAKE OPTION

Encoder Connector 270-00257 (AEGA052NN00000013000)

Pin	Function
1	GND (0V)
2	CH A\ (A)
3	CH A (A\)
4	CH B (B)
5	CH B\ (B\)
6	CH Z (Z)
7	CH Z\ (Z\)
8	+5V (+5V)
9	-
10	CH U (RLGU)
11	CH V (RLGV)
12	CH W (RLGW)