

# 8" Frame Brushless Servo Motors



## Motor Data (Sine)

Motor Parameters			Units	1901ASG****	1901BSG****	1902ASG****
Horsepower	Hp Rated	Hp		6.0	3.0	11.9
Kilowatts	KW Rated	KW		4.5	2.2	8.9
Max. Operating Speed	N Max	RPM		2500	1250	2500
Speed @ Rated Torque	N Rated	RPM		1800	750	2000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		209 [23.6]	250 [28.2]	375 [42.4]
*Continuous Stall Torque		IN-LBS[Nm]		280 [31.9]	280 [31.6]	600 [67.8]
Continuous Line Current		AMPS		22.0	10.7	47.2
Peak Torque	Tpk	IN-LBS[Nm]		746 [84.3]	625 [70.6]	1800 [203.0]
Peak Current		AMPS		58.7	23.8	141.6
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>		18,195	15,244	23,077
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		12.7 [1.44]	26.21 [2.96]	12.71 [1.44]
Back EMF (Line to Line)	±10%	Vrms/Krpm		80	165	80
D.C.Resistance (P-P)	±10%	OHMS		.31	1.36	11
Inductance (P-P)	±10%	MILLIHENRIES		3.70	15.5	.65
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]		.0411 [.00464]	.0411 [.00464]	.0714 [.00807]
Static Friction	Tf	IN-LBS[Nm]		8.2 [.92]	8.2 [.92]	9.8 [1.1]
Motor Weight		LBS[Kg]		67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC		230	230	230

Motor Parameters			Units	1902BSG****	1904ASG****	1904BSG****
Horsepower	Hp Rated	Hp		6.7	17.5	10.8
Kilowatts	KW Rated	KW		5.0	13.0	8.0
Max. Operating Speed	N Max	RPM		1250	2250	1250
Speed @ Rated Torque	N Rated	RPM		850	2000	1000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		500 [56.5]	550 [62.1]	680 [76.8]
*Continuous Stall Torque		IN-LBS[Nm]		600 [67.8]	820 [92.7]	820 [92.7]
Continuous Line Current		AMPS		23.5	58.7	32.1
Peak Torque	Tpk	IN-LBS[Nm]		1560 [176.3]	3000 [339.0]	3000 [339.0]
Peak Current		AMPS		61.0	214.5	117
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>		20,000	22,556	22,556
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		25.58 [2.89]	13.98 [1.58]	25.58 [2.89]
Back EMF (Line to Line)	±10%	Vrms/Krpm		161	88	161
D.C.Resistance (P-P)	±10%	OHMS		.44	05	.19
Inductance (P-P)	±10%	MILLIHENRIES		6.8	96	3.2
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]		.0714 [.00807]	.133 [.0150]	.133 [.0150]
Static Friction	Tf	IN-LBS[Nm]		9.8 [1.1]	13.0 [1.5]	13.0 [1.5]
Motor Weight		LBS[Kg]		98[44.5]	160[72.6]	160[72.6]
Line Voltage		VAC		230	230	230

### Brake Info:

Min. Holding Torque: 90FT-LBS  
 Input Voltage: 24VDC  
 Current : 1.4AMPS  
 Inertia : .0085 IN-LB-SEC<sup>2</sup>  
 Weight Adder: 18LBS

\*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

### Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

**Motor Data (Trap)**

Motor Parameters		Units	1901ATG****	1901BTG****	1902ATG****
Horsepower	Hp Rated	Hp	6.0	3.0	11.4
Kilowatts	KW Rated	KW	4.5	2.2	8.9
Max. Operating Speed	N Max	RPM	2500	1250	2500
Speed @ Rated Torque	N Rated	RPM	1800	750	2000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	209 [23.6]	250 [28.2]	375 [42.4]
*Continuous Stall Torque		IN-LBS[Nm]	280 [31.9]	280 [31.6]	600 [67.8]
Continuous Line Current		AMPS	31.15	15.10	66.7
Peak Torque	Tpk	IN-LBS[Nm]	746 [84.3]	625 [70.6]	1800 [203.0]
Peak Current		AMPS	82.98	33.71	200
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>	18,195	15,244	23,077
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	8.99 [1.02]	18.54 [2.09]	8.99 [10.02]
Back EMF (Line to Line)	±10%	Vrms/Krpm	80	165	80
D.C.Resistance (P-P)	±10%	OHMS	.31	1.36	11
Inductance (P-P)	±10%	MILLIHENRIES	3.70	15.5	1.65
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	230	230	230

Motor Parameters		Units	1902BTG****	1904ATG****	1904BTG****
Horsepower	Hp Rated	Hp	6.7	17.5	10.8
Kilowatts	KW Rated	KW	5.0	13.0	8.0
Max. Operating Speed	N Max	RPM	1250	2250	1250
Speed @ Rated Torque	N Rated	RPM	850	2000	1000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	500 [56.5]	550 [62.1]	680 [76.8]
*Continuous Stall Torque		IN-LBS[Nm]	600 [67.8]	820 [92.7]	820 [92.7]
Continuous Line Current		AMPS	33	82.9	45.3
Peak Torque	Tpk	IN-LBS[Nm]	1560 [176.3]	3000 [339.0]	3000 [339.0]
Peak Current		AMPS	86.2	303	166
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>	21,849	22,556	22,556
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	18.09 [2.04]	9.89 [1.12]	18.09 [2.04]
Back EMF (Line to Line)	±10%	Vrms/Krpm	161	88	161
D.C.Resistance (P-P)	±10%	OHMS	.44	05	.19
Inductance (P-P)	±10%	MILLIHENRIES	6.8	96	3.2
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]	.0714[.00807]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	160[72.6]	160[72.6]
Line Voltage		VAC	230	230	230

**Brake Info:**

Min. Holding Torque: 90 FT-LBS  
 Input Voltage: 24VDC  
 Current : 1.4AMPS  
 Inertia : .0085 IN-LB-SEC<sup>2</sup>  
 Weight Adder: 18 LBS

\*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

Mechanical Notes:

1. Axial Load: 100 LBS. Max.
2. Radial Load: 250 LBS. Max. @ 1" from face
3. Motor Sealed to IP65

**Motor Data (Sine)**

Motor Parameters		Units	1901CSJ****	1901DSJ****	1902CSJ****
Horsepower	Hp Rated	Hp	6.2	3.4	11.9
Kilowatts	KW Rated	KW	4.6	2.6	8.9
Max. Operating Speed	N Max	RPM	2500	1300	2500
Speed @ Rated Torque	N Rated	RPM	1900	900	2000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	205 [23.2]	240 [27.1]	375 [42.4]
*Continuous Stall Torque		IN-LBS[Nm]	280 [31.6]	280 [31.6]	600 [67.8]
Continuous Line Current		AMPS	10.7	5.5	23.58
Peak Torque	Tpk	IN-LBS[Nm]	830 [93.8]	780 [88.1]	1800 [203.4]
Peak Current		AMPS	31.7	15.4	70.4
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>	20,244	19,024	23,077
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	26.21 [2.96]	50.52 [5.71]	25.58 [2.89]
Back EMF (Line to Line)	±10%	Vrms/Krpm	165	318	161
D.C.Resistance (P-P)	±10%	OHMS	1.4	4.6	.44
Inductance (P-P)	±10%	MILLIHENRIES	15.5	60.2	6.8
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]	.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]	8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]	67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC	460	460	460

Motor Parameters		Units	1902DSJ****	1904CSJ****	1904DSJ****
Horsepower	Hp Rated	Hp	6.4	18.1	11.2
Kilowatts	KW Rated	KW	4.8	13.5	8.4
Max. Operating Speed	N Max	RPM	1230	2500	1250
Speed @ Rated Torque	N Rated	RPM	800	2150	1050
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]	505 [57.1]	530 [59.9]	675 [76.3]
*Continuous Stall Torque		IN-LBS[Nm]	600 [67.8]	820 [92.7]	820 [92.7]
Continuous Line Current		AMPS	11.5	32.1	16
Peak Torque	Tpk	IN-LBS[Nm]	1440 [162.7]	3000 [339]	3000 [339]
Peak Current		AMPS	27.5	117	59
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>	18,462	22,556	22,556
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]	52.3 [5.91]	25.58 [2.89]	51.16 [5.78]
Back EMF (Line to Line)	±10%	Vrms/Krpm	329	161	322
D.C.Resistance (P-P)	±10%	OHMS	2.0	19	.72
Inductance (P-P)	±10%	MILLIHENRIES	29.3	3.2	13.4
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]	.0714[.0807]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]	9.8[1.1]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]	98[44.5]	160[72.6]	160[72.6]
Line Voltage		VAC	460	460	460

**Brake Info:**

Min. Holding Torque: 90FT-LBS  
 Input Voltage: 24VDC  
 Current : 1.4AMPS  
 Inertia: .0085 IN-LB-SEC<sup>2</sup>  
 Weight Adder: 18LBS

\*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

- Mechanical Notes:
1. Axial Load: 100 LBS. Max.
  2. Radial Load: 250 LBS. Max. @ 1" from face
  3. Motor Sealed to IP65

**Motor Data (Trap)**

Motor Parameters			Units	1901CTJ****	1901DTJ****	1902CTJ****
Horsepower	Hp Rated	Hp		6.2	3.4	11.9
Kilowatts	KW Rated	KW		4.6	2.6	8.9
Max. Operating Speed	N Max	RPM		2500	1300	2500
Speed @ Rated Torque	N Rated	RPM		1900	900	2000
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		205 [23.2]	240 [27.1]	375 [42.4]
*Continuous Stall Torque		IN-LBS[Nm]		280 [31.6]	280 [31.6]	600 [67.8]
Continuous Line Current		AMPS		15.1	7.8	33.17
Peak Torque	Tpk	IN-LBS[Nm]		830 [93.8]	780 [88.1]	1800 [203.4]
Peak Current		AMPS		44.8	21.8	99.5
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>		20,244	19,024	23,077
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		18.53 [2.05]	35.73 [4.04]	18.09 [2.04]
Back EMF (Line to Line)	±10%	Vrms/Krpm		165	318	161
D.C. Resistance (P-P)	±10%	OHMS		1.4	4.6	.44
Inductance (P-P)	±10%	MILLIHENRIES		15.5	60.2	6.8
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]		.0411[.00464]	.0411[.00464]	.0714[.00807]
Static Friction	Tf	IN-LBS[Nm]		8.2[.92]	8.2[.92]	9.8[1.1]
Motor Weight		LBS[Kg]		67[30.4]	67[30.4]	98[44.5]
Line Voltage		VAC		460	460	460

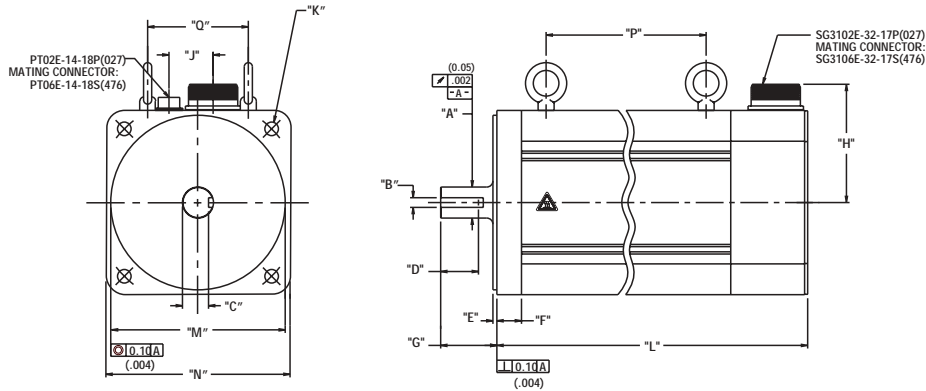
Motor Parameters			Units	1902DTJ****	1904CTJ****	1904DTJ****
Horsepower	Hp Rated	Hp		6.4	18.1	11.2
Kilowatts	KW Rated	KW		4.8	13.5	8.4
Max. Operating Speed	N Max	RPM		1230	2500	1250
Speed @ Rated Torque	N Rated	RPM		800	2150	1050
*Continuous Rated Torque @ Rated Speed		IN-LBS[Nm]		505 [57.1]	530 [59.9]	675 [76.3]
*Continuous Stall Torque		IN-LBS[Nm]		600 [67.8]	820 [92.7]	820 [92.7]
Continuous Line Current		AMPS		16.2	45.4	22.7
Peak Torque	Tpk	IN-LBS[Nm]		1440 [162.7]	3000 [339]	3000 [339]
Peak Current		AMPS		38.9	166	83.0
Max. Theoretical Accel.		RAD/SEC <sup>2</sup>		18,462	22,556	22,556
Torque Sensitivity	Kt	IN-LBS/AMP[Nm/AMP]		37 [4.18]	18.09 [2.04]	36.18 [4.09]
Back EMF (Line to Line)	±10%	Vrms/Krpm		329	161	322
D.C. Resistance (P-P)	±10%	OHMS		2.0	19	.72
Inductance (P-P)	±10%	MILLIHENRIES		29.3	3.2	13.4
Rotor Inertia	Jm	IN-LBS-SEC <sup>2</sup> [Kg-M <sup>2</sup> ]		.0714[.0807]	.133[.0150]	.133[.0150]
Static Friction	Tf	IN-LBS[Nm]		9.8[1.1]	13.0[1.5]	13.0[1.5]
Motor Weight		LBS[Kg]		98[44.5]	160[72.6]	160[72.6]
Line Voltage		VAC		460	460	460

**Brake Info:**

Min. Holding Torque: 90FT-LBS  
 Input Voltage: 24VDC  
 Current : 1.4AMPS  
 Inertia : .0085 IN-LB-SEC<sup>2</sup>  
 Weight Adder: 18LBS

\*25° C Ambient with a maximum case temperature of 100° C on motor. Motor mounted on a 14" x 14" x 3/4" aluminum heatsink. Thermostat in stator windings will open if winding temperature exceeds 155° C. This allows for an approximate +10% headroom in the continuous torque rating before thermostat opens.

- Mechanical Notes:
1. Axial Load: 100 LBS. Max.
  2. Radial Load: 250 LBS. Max. @ 1" from face
  3. Motor Sealed to IP65

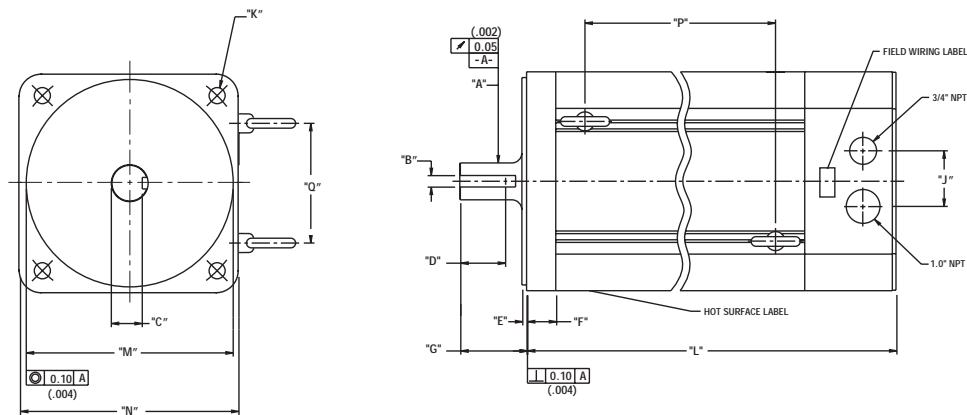


**8" (190) Metric Connectorized Termination-Option 1 Motors**

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)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	321.2(12.65)Max	397.5(15.65)Max	∅ 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)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	397.5(15.65)Max	473.7(18.65)Max	∅ 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)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	549.9(21.65)Max	626.1(24.65)Max	∅ 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) 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)
MPM1902***7***	∅ 32.018(1.2605) 31.998(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)
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)

Model	"J"	"K"	"L"	"L" w/ Brake	"M"	"N"	"P"	"Q"
MPM1901***7***	48.3(1.90)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	321.2(12.65)Max	397.5(15.65)Max	∅ 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)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	397.5(15.65)Max	473.7(18.65)Max	∅ 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)	∅14.00(.551)THRU (4)EQ SPD AS SHOWN ON ∅215.00(8.464) B.C.	549.9(21.65)Max	626.1(24.65)Max	∅ 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" Motor with Resolver Feedback**

**Option 1**

**Motor Connector 270-00066 (SG3102E-32-17P(027))**

Pin	Function
A	$\phi R$
B	$\phi S$
C	$\phi T$
D	PE GND

**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	BRK (+)
*B	BRK (-)
*C	BRK SHLD
J	-
K	-
L	-
M	-
T	-

\*USE ONLY WITH BRAKE OPTION

**Option 2**

**Motor Connector 270-00352 (FECF08CMRAB000)**

Pin	Function
U	$\phi R(U1)$
V	$\phi S(V1)$
W	$\phi T(W1)$
PE	PE GND
*+	BRK (+)
*-	BRK (-)
1	THERM
2	THERM

\*USE ONLY WITH BRAKE OPTION

**Resolver Connector 270-00257 (AEGA052NN00000013000)**

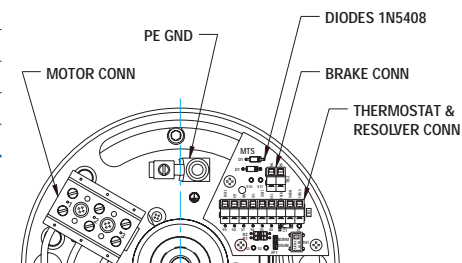
Pin	Function
1	-
2	REF (R1)
3	REF GND (R2)
4	COS GND (S1)
5	COS (S3)
6	SIN (S2)
7	SIN GND (S4)
8	-
9	-
10	-
11	-
12	-

**Option 3**

**Connection Chart (NPT) Resolver**

Terminal	Function
1	$\phi R$
2	$\phi S$
3	$\phi T$
-	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



**8" Motor with Encoder Feedback**

**Option 1**

**Motor Connector 270-00066 (SG3102E-32-17P(027))**



Pin	Function
A	$\phi$ R
B	$\phi$ S
C	$\phi$ T
D	PE GND

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

Pin	Function
T	GROUND
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**



**Encoder Brake Connector 270-00219 (PT02E-16-23P(027))**

Pin	Function
T	GROUND
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
V*	BRK (+) 
W*	BRK (-) 
X*	BRK SHLD
Y	-
Z	-

\*USE ONLY WITH BRAKE OPTION

**Option 2**

**Motor Connector 270-00352 (FECF08CMRAB000)**

Pin	Function
U	$\phi$ R(U1)
PE	PE GND
W	$\phi$ S(W1)
V	$\phi$ T(V1)
*+	BRK (+) 
*-	BRK (-) 
1	THERM
2	THERM

\* USE ONLY WITH BRAKE OPTION

**Motor Connector 270-00257 (AEGA052NN00000013000)**

Pin	Function
1	GND(OV)
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)

**Option 3-Consult Factory**

