

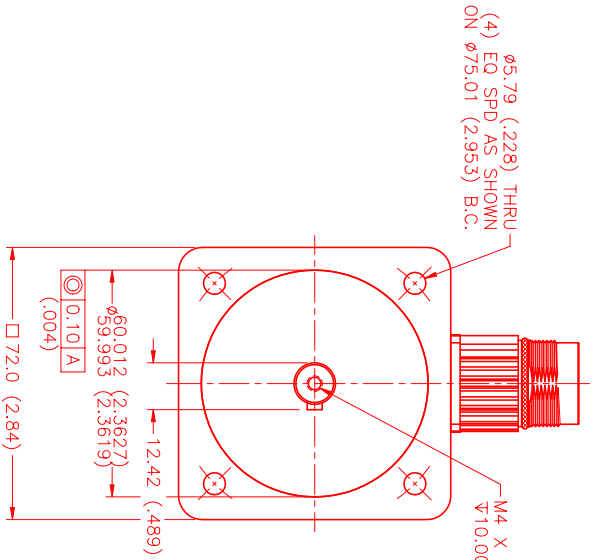
### MOTOR DATA @ 110 VAC (SINE)

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP	0.74
KILOWATTS	KW RATED	0.55
MAX. OPERATING SPEED	N. MAX RPM	7000
SPEED @ RATED TORQUE	N RATED RPM	5000
* CONTINUOUS RATED TORQUE @ 5000 RPM	N-LSB[Nm]	9.41[1.06]
* CONTINUOUS STALL TORQUE	N-LSB[Nm]	11.3[1.28]
CONTINUOUS LINE CURRENT	AMPS(RMS/φ)	5.0
PEAK TORQUE	Tpk	34.0[3.8]
PEAK CURRENT	N-LSB[A]	15.0
MAX. THEORETICAL ACCEL.	AMP(S/RMS/φ)	130.000
TORQUE SENSITIVITY	Kt [N-LSB/AMP(RMS/φ)]	2.26[0.255]
BACK EMF (LINE TO LINE)	Vrms/Krpm	14.2
D.C. RESISTANCE (P-P)	OHMS	1.1
INDUCANCE (P-P)	MILLIHENRIES	2.3
ROTOR INERTIA	Jm [N-LSB-SEC²] Kg-M²	0.00027[0.000031]
STATIC FRICTION	Tf	0.8[0.09]

\*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 85°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 FOR AN APPROXIMATE +10% HEADROOM IN THE CONTINUOUS TORQUE RATING BEFORE THERMOSTAT OPENS.

#### MECHANICAL NOTES:

1. AXIAL LOAD: 20 LBS MAX
2. RADIAL LOAD: 35 LBS MAX @ 1" FROM FACE
3. MOTOR SEALED TO IP65.
4. MOTOR WEIGHT: 4.4 LBS. [ 2.0 Kg]
5. MOTOR FINISH: BLACK EPOXY
6. MOTOR OUTPUT SHAFT: STAINLESS STEEL
7. MILLIMETERS (INCHES)
8. THIS MOTOR'S OUTPUT KEY IS A PRESS FIT.



#### CONNECTION CHART

MOTOR/THERM CONNECTOR:  
 @BEGA089NN00000007000  
 (270-00256)

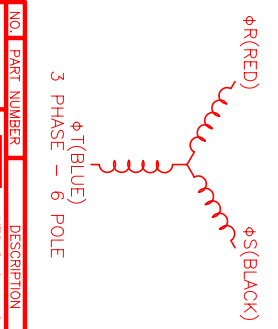
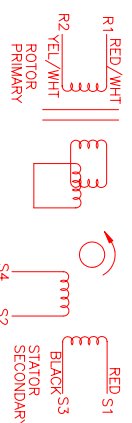
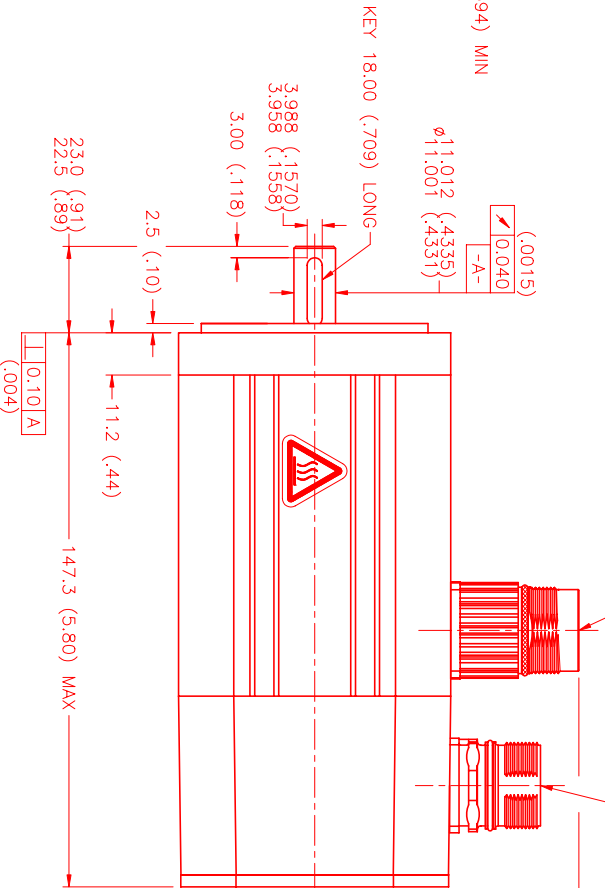
MOTOR/THERM	WIRE	WIRE LEADS
PIN	FUNCTION	COLOR
1	φR(U1)	RED
2	PE GND	GRN/YEL
3	φT(W1)	BLUE
4	φS(V1)	BLACK
A	-	-
B	-	-
C	THERM	BLACK
D	THERM	BLACK

RESOLVER CONNECTOR:  
 @AEGA052NN00000020000  
 (270-00257)

RESOLVER	WIRE	WIRE LEADS
PIN	FUNCTION	COLOR
1	-	-
2	REF(R1)	RED/WHI
3	REF GND(R2)	YEL/WHI
4	COS GND(S1)	BLACK
5	COS(S3)	RED
6	SIN(S2)	YELLOW
7	SIN GND(S4)	BLUE
8	-	-
9	-	-
10	-	-
11	-	-
12	-	-

BEGA089NN00000007000  
 MATING CONNECTOR:  
 BSTA078NN00080005000

AEGA052NN00000020000  
 MATING CONNECTOR:  
 ASTA021NN00100005000



REV.	DESCRIPTION	DATE	APPD.
A	E.C.O. - 558	1/29/99	MS
B	E.C.O. - 572	2/2/00	AJS
C	E.C.O. - 620	5/25/00	AJS
		4/10/01	AJS

NO.	PART NUMBER	DESCRIPTION	QTY.
1	MPM722ASF7H2N	RESOLVER	1

UNLESS SPECIFIED  
 DIMENSIONS ARE IN INCHES  
 DECIMAL FRACTIONS ARE TO BE USED IN THE DIMENSIONS  
 DIMENSIONS IN PARENTHESES ARE TO BE USED IN THE DIMENSIONS  
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DATE: 1/29/99  
 DRAWN: MS  
 CHECKED: MS  
 APPROVED: MS

SCALE: 1:1