

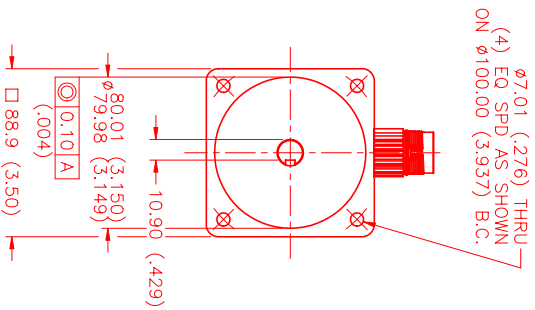
MOTOR DATA @ 230 VAC SINE

MOTOR PARAMETERS	UNITS	VALUE
HORSEPOWER	HP RATED	1.05
KILOWATTS	KW RATED	0.78
MAX. OPERATING SPEED	N MAX RPM	3000
SPEED @ RATED TORQUE	N RATED RPM	2400
* CONTINUOUS RATED TORQUE @ 2400 RPM	N-LBS[Nm]	27.5[3.11]
* CONTINUOUS STALL TORQUE	N-LBS[Nm]	30.0[3.39]
CONTINUOUS LINE CURRENT	AMPS[RMS/φ]	2.6
PEAK TORQUE	AMP[S/RMS/φ]	111.5[12.6]
PEAK CURRENT	AMP[S/RMS/φ]	9.6
MAX. THEORETICAL ACCEL.	RAD/SEC ²	112.513
TORQUE SENSITIVITY	Kt N-LBS/AMPS/φ[Nm/AMPS/φ]	11.6[1.31]
BACK EMF (LINE TO LINE)	Vrms/Krpm	73.0
D.C. RESISTANCE (P-P)	OHMS	8.4
INDUCTANCE (P-P)	MILLIHENRIES	27
ROTOR INERTIA	Jm [N-LBS-SEC ²] [Kg-M ²]	.000991[.000116]
STATIC FRICTION	Tf [N-LBS] [Nm]	0.5[.06]

*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON MOTOR. MOTOR MOUNTED ON A 10" X 10" X 1/4" 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: 25 LBS MAX
2. RADIAL LOAD: 40 LBS MAX @ 1" FROM FACE
3. MOTOR SEALED TO IP65.
4. MOTOR WEIGHT: 9.8 LBS [4.5 Kg]
5. MOTOR FINISH: BLACK EPOXY
6. MOTOR OUTPUT SHAFT: STAINLESS STEEL
7. MILLIMETERS (INCHES)



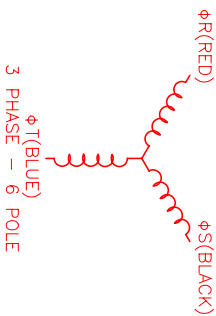
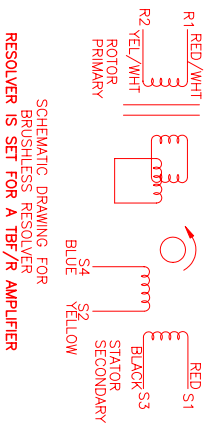
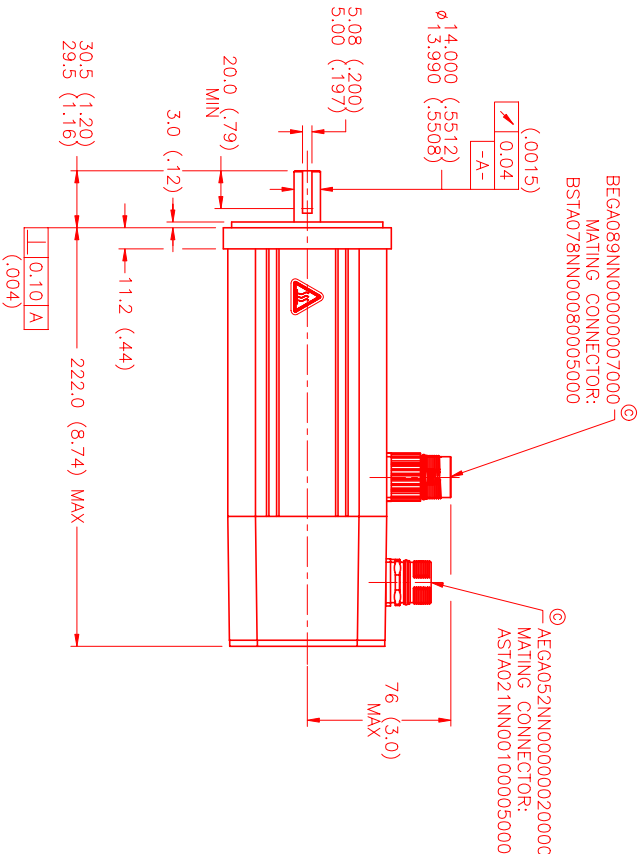
CONNECTION CHART

MOTOR/THERM CONNECTOR:
 @BEGA089NN0000007000
 (270-00256)

RESOLVER CONNECTOR:
 @AEGA052NN00000020000
 (270-00257)

PIN	WIRE FUNCTION	WIRE 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

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



REV.	DESCRIPTION	DATE	APPD.
A	PRELIMINARY	11/24/98	MWS
B	E.C.O. - 547	11/3/99	MWS
C	E.C.O. - 572	5/25/00	AJS
	E.C.O. - 620	4/10/01	AJS

NO.	PART NUMBER	DESCRIPTION	QTY.
1	MWS	MWS Systems Corporation Automation Division	
2	MWS	MWS Systems Corporation Automation Division	
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