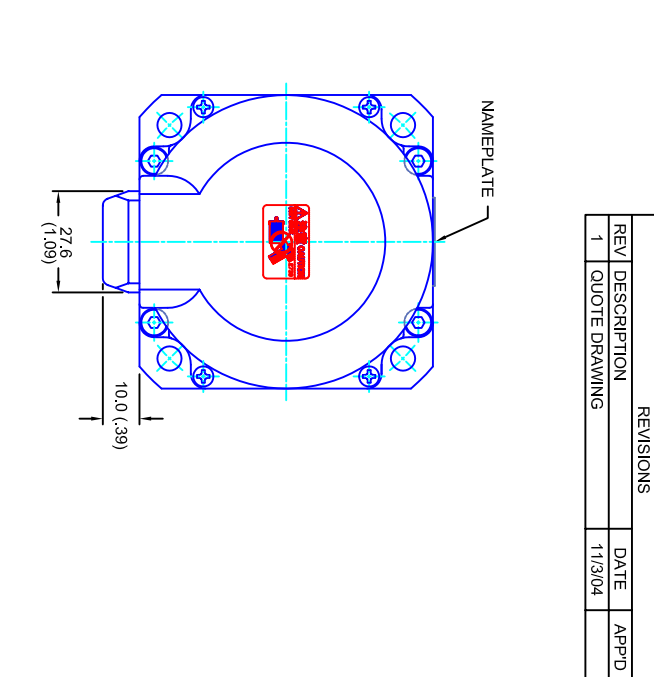
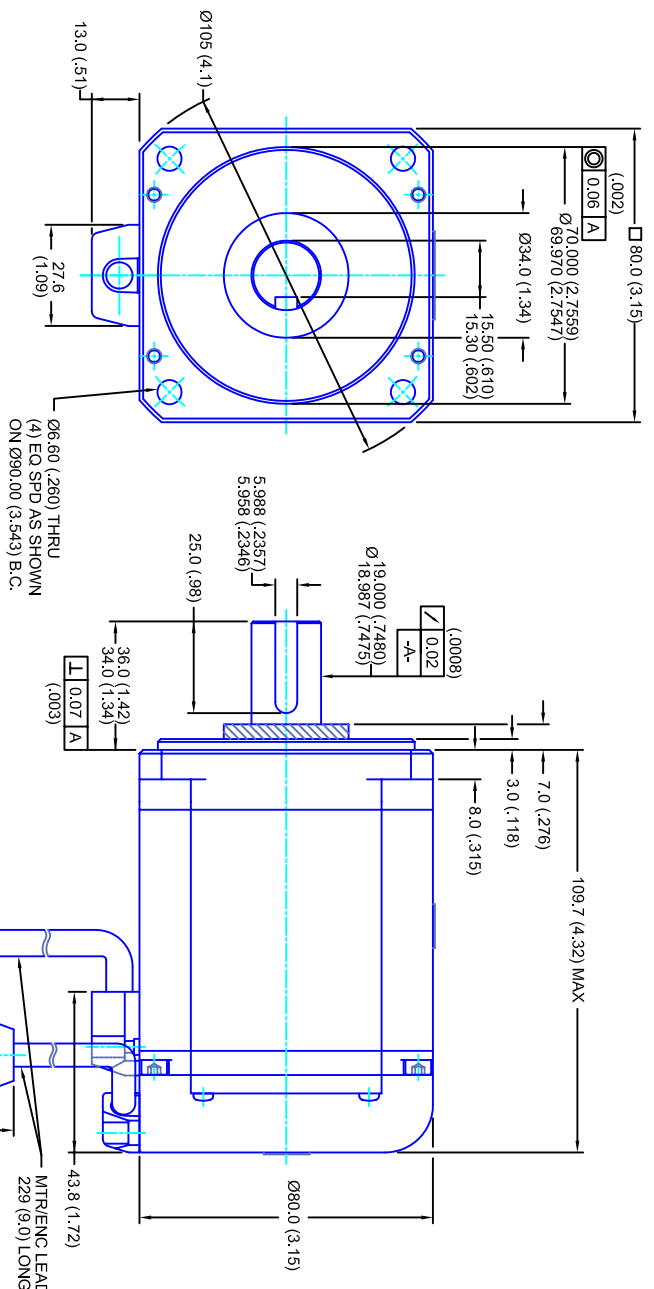


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	11/3/04	



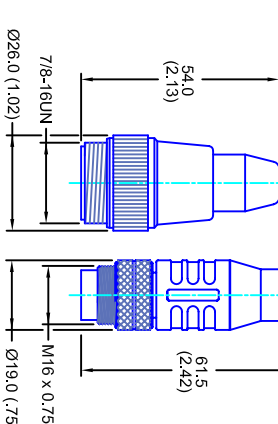
**ENCODER INFO:**  
5V - 2048L COMMUTATING

- MOTOR NOTES:**
1. MILLIMETERS (INCHES)
  2. AXIAL LOAD: 10 KG [ 22 LBS ] MAX
  3. RADIAL LOAD: 35 KG [ 77 LBS ] MAX @ 20MM [ .787 ] FROM FACE
  4. MOTOR SEALED TO IP65
  5. MOTOR SHAFT: S45C STEEL
  6. MOTOR FINISH: SEMI-GLOSS BLACK
  7. MOTOR WEIGHT: 2.5 KG [ 5.5 LBS ]

**ELECTRICAL DATA**

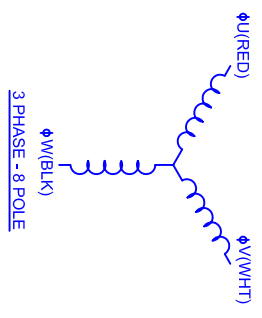
MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE		SINE
HORSEPOWER	Hp	1.0
KILOWATTS	KW	.75
MAX OPERATING SPEED	RPM	5000
SPEED @ RATED TORQUE	RPM	3000
*CONTINUOUS RATED TORQUE @ 3000 RPM	IN-LBS(INM)	21.2(2.39)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	23.3(2.64)
CONTINUOUS LINE CURRENT	AMPS(RMS)⊕	4.8
PEAK TORQUE	IN-LBS(INM)	63.4(7.16)
PEAK CURRENT	AMPS(RMS)⊕	14.4
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	66.042
TORQUE SENSITIVITY	KI	4.4(49)
BACK EMF (LINE TO LINE)	Vrms/Krpm	27.2
D.C. RESISTANCE (P-P)	OHMS	1.3
INDUCTANCE (P-P)	MLLHENRIES	6.3
ROTOR INERTIA	Jm	.00096(0.00108)
STATIC FRICTION	Tf	.7(1.080)

**CONNECTION CHART**



PIN	WIRE FUNCTION	WIRE COLOR
A	CH A	BLU
B	CH B	GRN
C	CH Z	YEL
D	CH UE	BRN
E	CH VE	GRY
F	CH WE	WHT
G	+5VDC	RED
H	CH AI	BLU/BLK
I	CH BI	GRN/BLK
K	CH ZI	YEL/BLK
L	CH UI	BRN/BLK
M	CH VEI	GRY/BLK
O	CH WEI	WHT/BLK
P	OV	BLK
R	SHLD	SHLD
N	NC	NC
S	NC	NC
T	NC	NC
U	NC	NC

PIN	WIRE FUNCTION	WIRE COLOR
1	Φ U	RED
2	Φ V	WHT
6	Φ W	BLK
3	PE GND	GRN/YEL
4	-	-
5	-	-



TOLERANCES UNLESS SPECIFIED	
BORER:	= H7
SHAFT:	= H7
DEGREE:	= 12 (0.05)
DECIMAL .xxx	= .25 (0.01)
DECIMAL .xx	= .51 (0.02)
DECIMAL .x	= .40 (0.016)
DECIMAL .	= .09
ANGLE (MM (INCHES))	= 0.09

REMOVE ALL BURRS/BREAK SHARP EDGES (AS PER (0.10))

CUSTOMER: U0983-32

SCALE: 1:1

DATE: 10/21/04

DRAWING NO.: CW804Q27MK2048M

DRAWN: DFLA

SHEET: 1 OF 1

REV: 1



**CUSTOM MOTORS INC**

**80MM - 4 STK**

**230V/KE-27/MET/2048/MOLDED**

PROPRIETARY RIGHTS OF CUSTOM MOTORS ARE INCLUDED IN THE INFORMATION DISCLOSED HEREIN. THIS INFORMATION IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.