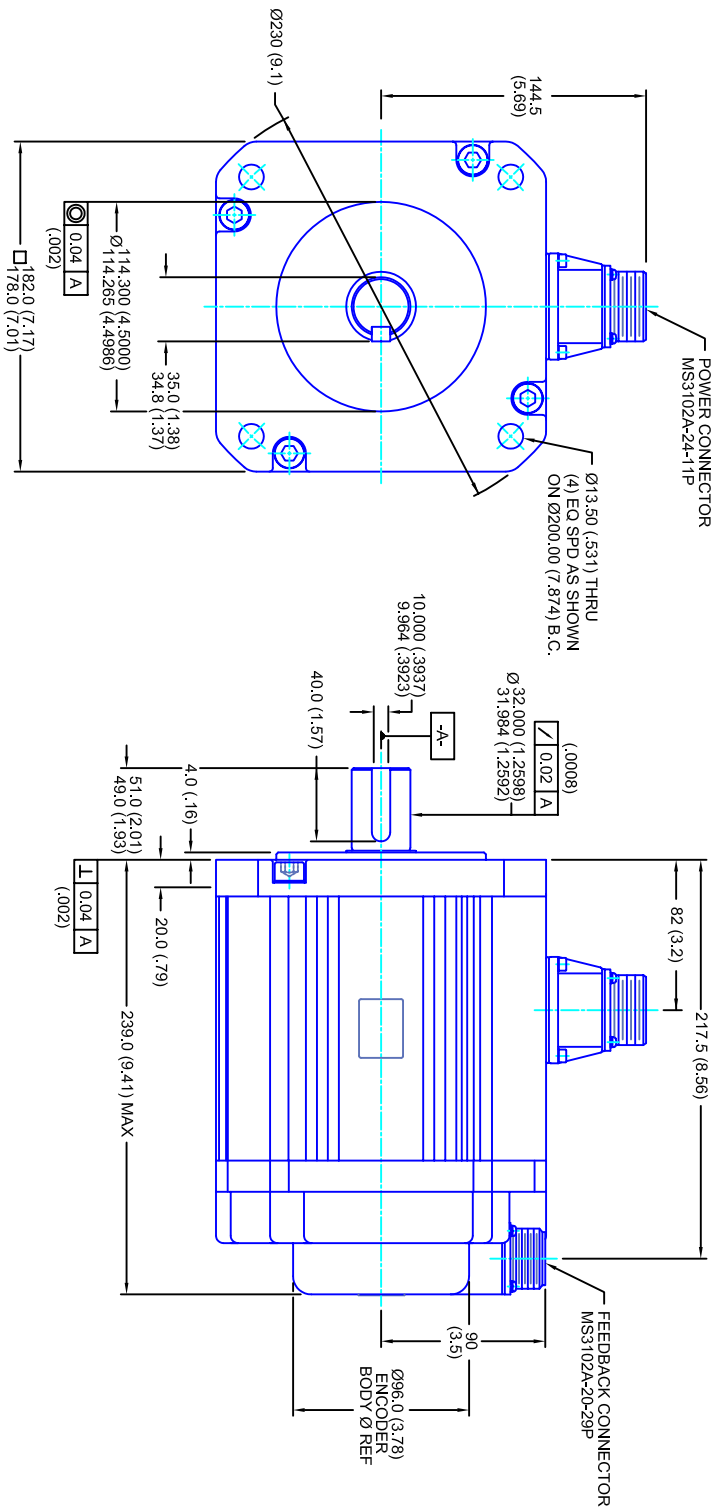


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	9/20/04	



- MOTOR NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 40 KG [88 LBS] MAX
 3. RADIAL LOAD: 80 KG [176 LBS] MAX @ 20MM [.79] FROM FACE
 4. MOTOR SEALED TO IP65; EXCEPT THE PART WITH CONN & OIL SEAL
 5. MOTOR SHAFT: SCM440H STEEL
 6. OIL SEAL: Ø38 (1.50) PROTUDES FROM FEC 3.0 (.12)
 7. MOTOR FINISH: SEMI-GLOSS BLACK
 8. MOTOR WEIGHT: 22 KG [49 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	5.4
KILOWATTS	KW	4.0
MAX OPERATING SPEED	RPM	3000
SPEED @ RATED TORQUE	RPM	2000
*CONTINUOUS RATED TORQUE @ 2000 RPM	IN-LBS(IN) [N-M]	169.0 [19.1]
*CONTINUOUS LINE CURRENT	AMPS (RMS) [Φ]	185.9 [21.0]
CONTINUOUS TORQUE	IN-LBS(IN) [N-M]	23.7
PEAK TORQUE	IN-LBS(IN) [N-M]	422.0 [47.7]
PEAK CURRENT	AMPS (RMS) [Φ]	57.8
MAX THEORETICAL ACCEL.	RAD/SEC ²	11,499
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS] [Φ] [N-M/AMP/RMS] [Φ]	7.1 [8.1]
BACK EMF (LINE TO LINE)	Vrms/Krpm	45
D.C. RESISTANCE (P-P)	OHMS	.26
INDUCTANCE (P-P)	MILLIHENRIES	3.2
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0367 [0.0415]
STATIC FRICTION	TT	8.7 [98]

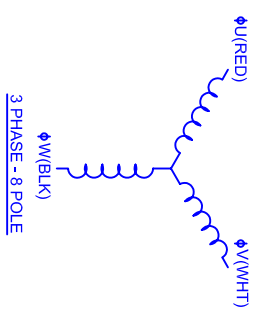
ENCODER INFO:
5V - 2048L COMMUTATING



CONNECTION CHART

FEEDBACK WIRE LEADS			MOTOR WIRE LEADS		
PIN	WIRE FUNCTION	WIRE COLOR	PIN	WIRE FUNCTION	WIRE COLOR
A	CH A	BLU	A	BRK	-
B	CH AI	BLU/BLK	B	BRK	-
C	CH B	GRN	C	THERM	WHT
D	CH BI	GRN/BLK	D	Φ U	RED
E	-	-	E	Φ V	WHT
F	CH Z	YEL	F	Φ W	BLK
G	CH ZI	YEL/BLK	G	PE GND	GRN/YEL
H	CH U	BRN	H	-	-
J	CH UI	BRN/BLK	I	THERM	WHT
K	CH V	GRY			
L	CH VI	GRY/BLK			
M	CH W	WHT			
N	CH X	-			
P	CASE GND	-			
R	GND	BLK			
S	+VDC	RED			
T	CH WI	WHT/BLK			

- BRAKE INFO:**
- INPUT VOLTAGE: 24 VDC
 - HOLDING FORCE: 32 Nm [283 IN-LBS]
 - CURRENT DRAW: 1.45 AMPS
 - RELEASING TIME: 50 ms MAX



TOLERANCES UNLESS SPECIFIED

BORER: = H12 ✓
 DECIMAL: .xxx ±.12 (.005)
 DECIMAL: .xx ±.25 (.010)
 DECIMAL: .x ±.51 (.020)
 ANGLE: ° ±.08
 DIM (INCHES) ±.005

REMOVE ALL BURRS, BREAK SHARP EDGES, AS PER (010)

PROPRIETARY RIGHTS OF CUSTOMERS 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.

CUSTOMER: **TS4884N6227E225** DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1/2:1 DATE: 4/6/04 DRAWING NO: **CM1802Q45MKR2048CTB** REV: 1

180MM - 2 STK
230V/KE=45/MET/2048/CONN/BRK

CUSTOM MOTORS INC