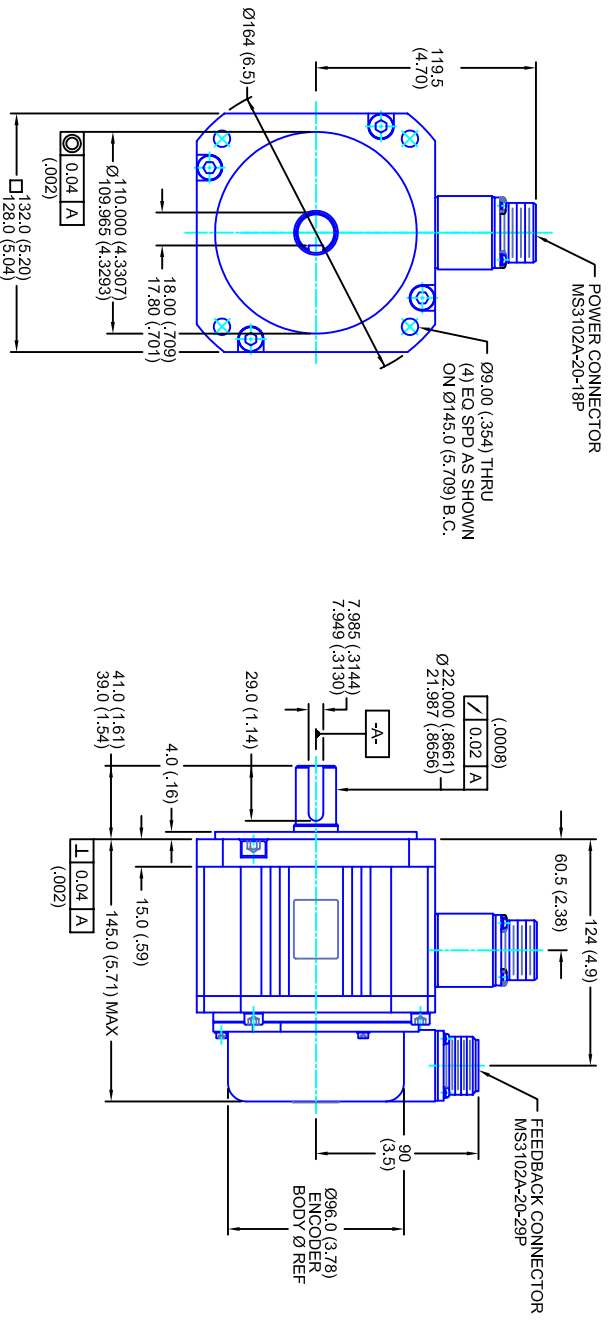


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	1/8/04	
2	NEW LAYOUT-RELEASE DWG	4/8/04	



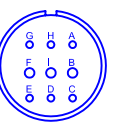
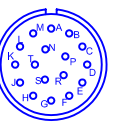
ENCODER INFO:  
5V - 2048L COMMUTATING

- MOTOR NOTES:**
1. MILLIMETERS (INCHES)
  2. AXIAL LOAD: 10 KG [ 22 LBS ] MAX
  3. RADIAL LOAD: 50 KG [ 110 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: Ø24 (.95) PROTRUDES FROM FEC 4.0 (.16)
  7. MOTOR FINISH: SEMI GLOSS BLACK
  8. MOTOR WEIGHT 4.8 KG [ 10.6 LBS ]

**ELECTRICAL DATA**

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	2.5
KILOWATTS	KW	1.8
MAX OPERATING SPEED	RPM	4500
SPEED @ RATED TORQUE	RPM	3450
*CONTINUOUS RATED TORQUE @ 3450 RPM	IN-LBS(IN) / N-M	45.0(16.09)
*CONTINUOUS STALL TORQUE	IN-LBS(IN) / N-M	49.5(16.59)
*CONTINUOUS LINE CURRENT	AMPS(RMS) (Φ)	9.7
PEAK TORQUE	IN-LBS(IN) / N-M	135.1(115.3)
PEAK CURRENT	AMPS(RMS) (Φ)	27.3
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	25.539
TORQUE SENSITIVITY	KI [N-M/AMP(RMS)] / (N-M/AMP(RMS) / Φ)	4.6(.52)
BACK EMF (LINE TO LINE)	Vrms/Krpm	29
D.C. RESISTANCE (P-P)	OHMS	.73
INDUCTANCE (P-P)	MILLIHENRIES	6.0
ROTOR INERTIA	IN-LBS-SEC <sup>2</sup> [KG-M <sup>2</sup> ]	.0053(.00060)
STATIC FRICTION	TT	1.5(.17)

**CONNECTION CHART**



PIN	WIRE FUNCTION	WIRE COLOR
A	CH A	BLU
B	CH A	BLU/BLK
C	CH B	GRN
D	CH B	GRN/BLK
E	-	-
F	CH Z	YEL
G	CH Z	YEL/BLK
H	CH U	BRN
I	CH U	BRN/BLK
J	CH V	GRY
K	CH V	GRY
L	CH W	GRY/BLK
M	CH W	WHT
N	CASE GND	-
P	-	-
R	GND	BLK
S	+5VDC	RED
T	CH W	WHT/BLK

PIN	WIRE FUNCTION	WIRE COLOR
A	THERM	BLK
B	ΦW	BLK
C	THERM	-
D	-	-
E	PE GND	GRN/YEL
F	ΦU	RED
G	-	-
H	-	-
I	ΦV	-
L	WHT	-

TOLERANCES UNLESS SPECIFIED

BORER: = H12 ✓  
 DECIMAL .xxx = ±.012 (0.05)  
 DECIMAL .xx = ±.025 (0.10)  
 DECIMAL .x = ±.051 (0.20)  
 DECIMAL . = ±.103 (0.40)  
 ANGLE (MM/INCHES) = 0.50



130MM - 1 STK  
230V/KE-29/MET/2048/CONN

FINISH:	CUSTOMER: T54833N1227E235	DRAWING NO:	DRAWN: DFLA	SHEET: 1 OF 1	REV:
SCALE:	1/2:1	DATE:	1/26/04	CUSTOMER:	CM1301Q29MK2048CT

