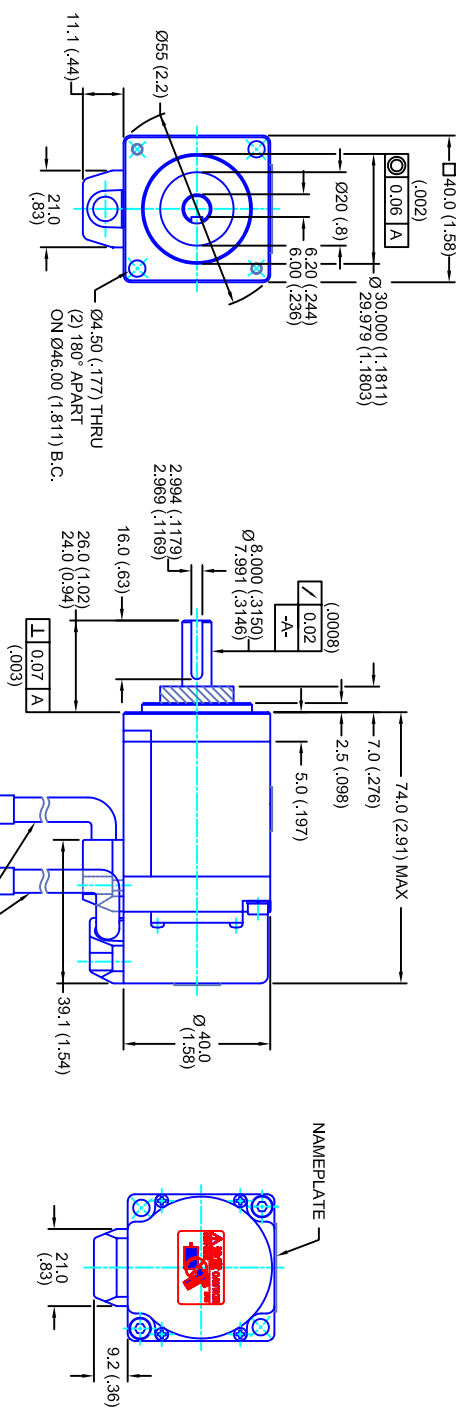


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/29/03	
2	REMOVE THERM/UPDATE GEO	1/24/04	



MOTOR NOTES:

1. MILLIMETERS (INCHES)
2. AXIAL LOAD: 4 KG [8.8 LBS] MAX
3. RADIAL LOAD: 8 KG [17.6 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: .4 KG [.88 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	Hp	.13
KILOWATTS	KW	.10
MAX OPERATING SPEED	RPM	5000
SPEED @ RATED TORQUE	RPM	3000
*CONTINUOUS RATED TORQUE @ 3000 RPM	IN-LBS(INM)	2.81[.318]
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	3.10[.350]
CONTINUOUS LINE CURRENT	AMPS(RMS) (A)	1.0
PEAK TORQUE	IN-LBS(INM)	8.4[.95]
PEAK CURRENT	AMPS(RMS) (A)	3.0
MAX THEORETICAL ACCEL.	RAD/SEC ²	311,111
TORQUE SENSITIVITY	KI	2.81[.318]
BACK EMF (LINE TO LINE)	Vrms/Krpm	17.6
D.C. RESISTANCE (P-P)	OHMS	20.3
INDUCTANCE (P-P)	MLLHENRIES	32
ROTOR INERTIA	Jm	.000027[.0000020]
STATIC FRICTION	Tl	.18[.020]

ENCODER INFO:

5V - 2048L COMMUTATING

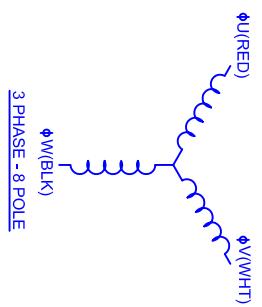
CONNECTION CHART

AMP -> 1-1318115-9 HSG
1318112-1 CONTACT

AMP -> 178964-3 HSG
175289-2 CONTACT

FEEDBACK WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A1	CH A	BLU
A2	CH B	GRN
A3	CH Z	YEL
A4	-	-
A5	CH UE	BRN
A6	CH VE	GRY
A7	CH WE	WHT
A8	+5Vdc	RED
A9	-	-
A10	-	-
B1	CH AI	BLU/BLK
B2	CH BI	GRN/BLK
B3	CH ZI	YEL/BLK
B4	-	-
B5	CH UEI	BRN/BLK
B6	CH VEI	GRY/BLK
B7	CH WEI	WHT/BLK
B8	0V	BLK
B9	-	-
B10	SHLD	SHLD

MOTOR WIRE LEADS	PIN	WIRE FUNCTION	WIRE COLOR
A1	Φ U	RED	
A2	Φ V	WHT	
A3	Φ W	BLK	
B1	PE GND	GRN/YEL	
B2	-	-	
B3	-	-	



CUSTOM MOTORS INC

40MM - 3 STK
230V/KE=17.6M/ET/2048

TOLERANCES UNLESS SPECIFIED

BORING	= H12
DECIMAL .xxx	= .12 (.005)
DECIMAL .xx	= .25 (.010)
DECIMAL .x	= .51 (.020)
ANGLE	= .40 (.016)
ANGLE (MM INCHES)	= .030

REMOVE ALL BURRS/BREAK SHARP EDGES AS SHOWN (0.10")

CUSTOMER: T54603N1407E200	DRAWING NO. CM403Q17.6MK2048CT	DATE: 11/29/03	SCALE: 1:1
DRAWING SHEET: 1 OF 1		DATE: 11/29/03	SCALE: 1:1
DRAWING SHEET: 1 OF 1		DATE: 11/29/03	SCALE: 1:1