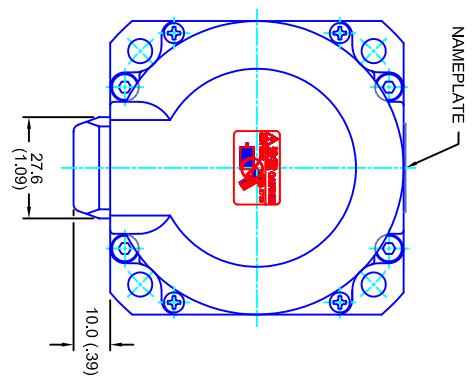
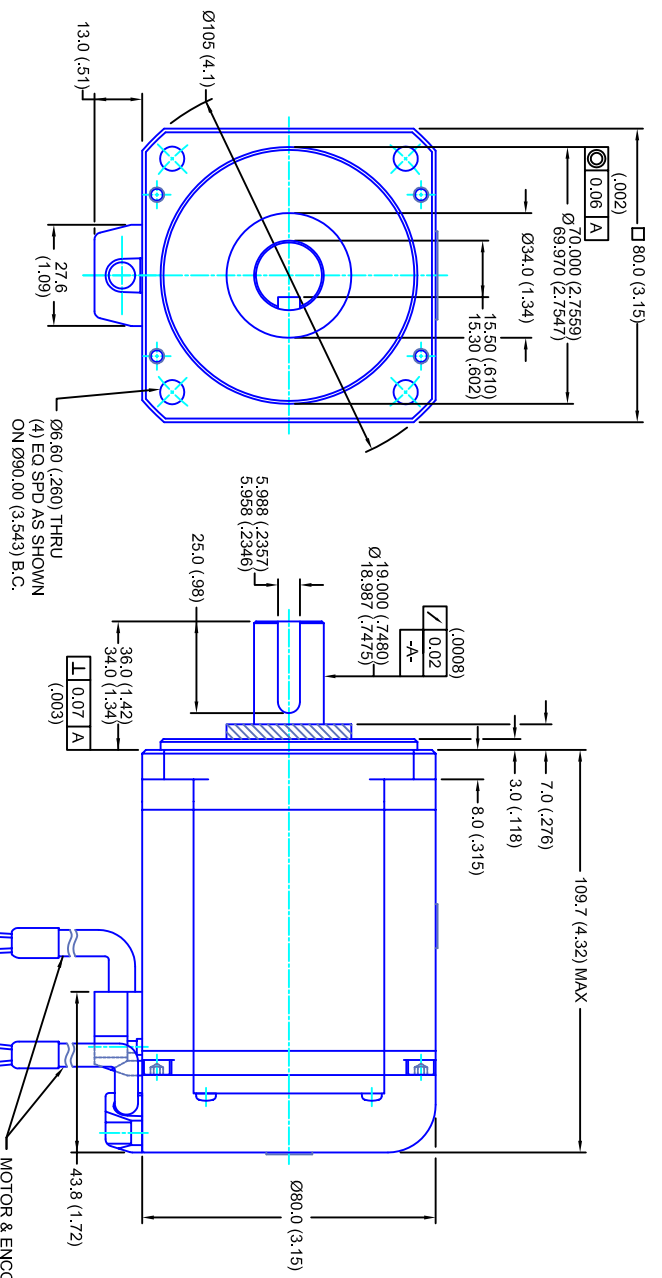
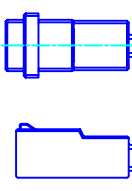


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/28/03	
2	REMOVE THERM/UPDATE GEO	1/24/04	
3	CORRECT AXIAL/RADIAL LOAD	2/3/04	



MOTOR & ENCODER LEADS
350 (13.8) - 250 (9.8) LONG



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 [0.787] 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	0.75
MAX OPERATING SPEED	RPM	5000
SPEED @ RATED TORQUE	RPM	3000
*CONTINUOUS RATED TORQUE @ 3000 RPM	IN-LBS(IN)	21.2(2.39)
*CONTINUOUS STALL TORQUE	IN-LBS(IN)	23.3(2.64)
CONTINUOUS LINE CURRENT	AMPS(RMS) (Φ)	4.8
PEAK CURRENT	AMPS(RMS) (Φ)	63.4(7.16)
MAX THEORETICAL ACCEL.	RAD/SEC ²	66.0(42)
TORQUE SENSITIVITY	KI [IN-LBS/AMP(RMS)]/[MIN/AMP(RMS) (Φ)]	4.4(49)
BACK EMF (LINE TO LINE)	V/mv/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	Tl	.7(1.080)

CONNECTION CHART

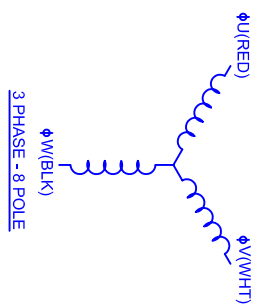
AMP -> 1-1318115-9 HSG
1318112-1 CONTACT

MOTOR WIRE LEADS

AMP -> 178964-3 HSG
175289-2 CONTACT

PIN	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

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



80MM - 4 STK
230V/KE=27MET/2048

TOLERANCES UNLESS SPECIFIED	
BORING	= H12
DECIMAL .xxx	= .12 (0.005)
DECIMAL .xx	= .25 (0.010)
DECIMAL .x	= .51 (0.020)
ANGLE (MM INCHES)	= .40 (0.016)
ANGLE (INCHES)	= 0.50

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

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CUSTOMER: TS4614N1407E200 DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1:1 DATE: 11/28/03 DRAWING NO: CWM804Q27MK2048CT REV: 3

*40°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON THE MOTOR.
MOTOR MOUNTED ON A 305 X 305 X 12MM ALUMINUM HEATSINK.