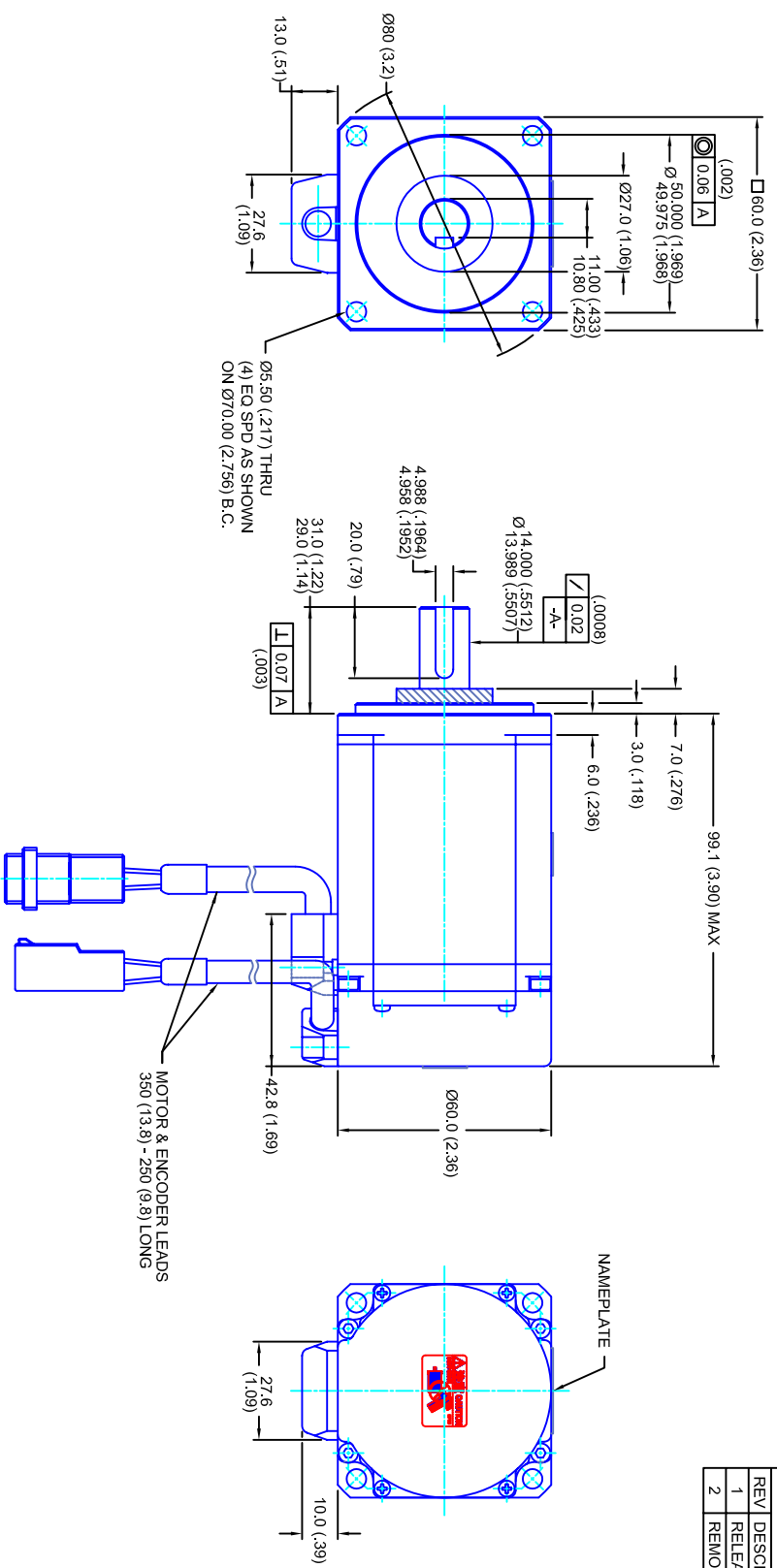


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/29/03	
2	REMOVE THERM/UPDATE GEO	1/24/04	



ENCODER INFO:
SV - 2048L COMMUTATING

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

AMP -> 178964-3 HSG
175289-2 CONTACT

FEEDBACK WIRE LEADS

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

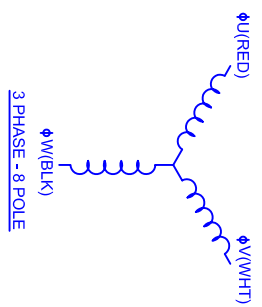
MOTOR WIRE LEADS

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

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	Hp	.53
KILOWATTS	KW	.40
MAX OPERATING SPEED	RPM	5000
SPEED @ RATED TORQUE	RPM	3000
CONTINUOUS RATED TORQUE @ 3000 RPM	IN-LBS(INM)	11.2(1.27)
CONTINUOUS STALL TORQUE	IN-LBS(INM)	12.4(1.40)
CONTINUOUS LINE CURRENT	AMPS(RMS) (Φ)	3.3
PEAK TORQUE	IN-LBS(INM)	33.8(3.82)
PEAK CURRENT	AMPS(RMS) (Φ)	9.9
MAX THEORETICAL ACCEL.	RAD/SEC ²	112.667
TORQUE SENSITIVITY	KI	3.4(381)
BACK EMF (LINE TO LINE)	Vrms/Krpm	21.3
D.C. RESISTANCE (P-P)	OHMS	3.1
INDUCTANCE (P-P)	MLLHENRIES	11
ROTOR INERTIA	IN-LBS-SEC ² (KG-M ²)	.00030(.000034)
STATIC FRICTION	TF	.35(.040)

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



60MM - 3 STK
230V/KE=21MET/2048

TOLERANCES UNLESS SPECIFIED

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

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

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CUSTOMER: TS4609N1407E200 DRAWING: DFLA SHEET: 1 OF 1

SCALE: 1:1 DATE: 11/29/03 DRAWING NO: CM603Q21MK2048CT REV: 2