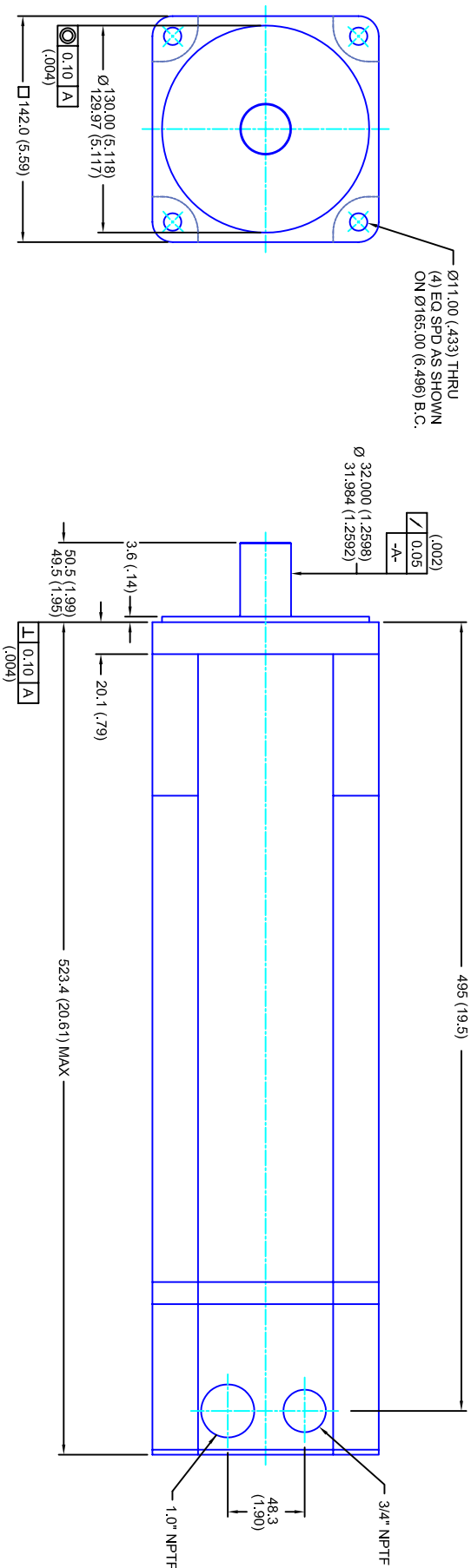


REVISIONS			REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	5/14/04				



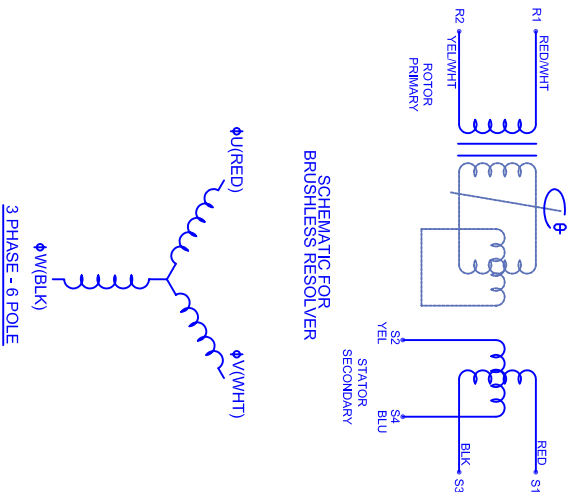
- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 23 KG [50 LBS] MAX
 3. RADIAL LOAD: 68 KG [150 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: 416 STAINLESS STEEL
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT: 39.5 KG [87 LBS]

ELECTRICAL DATA	
MOTOR PARAMETERS	UNITS/MEASURE
VOLTAGE	VOLTS-AC
AMP TYPE	-
HORSEPOWER	HP
KILOWATTS	KW
MAX OPERATING SPEED	RPM
SPEED @ RATED TORQUE	RPM
*CONTINUOUS RATED TORQUE @ 2100 RPM	IN-LBS(IN) [N]
*CONTINUOUS STALL TORQUE	IN-LBS(IN) [N]
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)
PEAK TORQUE	IN-LBS(IN) [N]
PEAK CURRENT	AMPS(RMS/Φ)
MAX THEORETICAL ACCEL.	RAD/SEC ²
TORQUE SENSITIVITY	KI [N-LBS/AMP(RMS/Φ) / (in/AMP(RMS/Φ))]
BACK EMF (LINE TO LINE)	Vrms/Krpm
D.C. RESISTANCE (P-P)	ΩHMS
INDUCTANCE (P-P)	μH
ROTOR INERTIA	IN-LBS-SEC ² [Kg-M ²]
STATIC FRICTION	TT

CONNECTION CHART

RES/THERM WIRE LEADS			MOTOR WIRE LEADS		
TERM	WIRE FUNCTION	WIRE COLOR	TERM	WIRE FUNCTION	WIRE COLOR
R1	GND/SHLD	WHT/BLK	1	ΦU	RED
R2	THERM	WHT	2	ΦV	WHT
R3	THERM	WHT	3	ΦW	BLK
R4	SIN GND	YEL	4	PE GND	GRN/YEL
R5	COS GND	RED			
R6	COS	RED			
R7	SIN	BLU			
R8	REF	RED/WHT			
R9	REF GND	YEL/WHT			
R10	-	-			
R11	-	-			

SCHEMATIC FOR BRUSHLESS RESOLVER



*25°C AMBIENT WITH A MAXIMUM CASE TEMPERATURE OF 100°C ON THE MOTOR. THERMOSTAT IN STATOR WILL OPEN IF STATOR TEMPERATURE EXCEEDS 155°C. THIS WILL GIVE YOU ~10% HEADROOM IN THE CONTINUOUS TORQUE RATING BEFORE THERMOSTAT OPENS. MOTOR MOUNTED ON A 305 X 305 X 12.7MM ALUMINUM HEATSINK.

TOLERANCES UNLESS SPECIFIED									
SURFACE FINISH: = 63 Ra ✓									
BORER:	= H12								
DECIMAL .xxx	± .12 (.005)								
DECIMAL .xx	± .25 (.010)								
DECIMAL .x	± .51 (.020)								
FRACTION	± .01 (.016)								
ANGLES (MM (INCHES))	± .08								
REMOVE ALL BURRS, BREAK SHARP EDGES, 2.5MM (0.10") RADIUS									
FINISH:									
WATERL:									
SCALE	DATE	DRAWING NO.	CUSTOMER:	CSS	TABLET PRESS	DRAWN:	DILA	SHEET: 1 OF 1	REV.
1/2:1	5/14/04	CM1424Q80MNRNPT							1