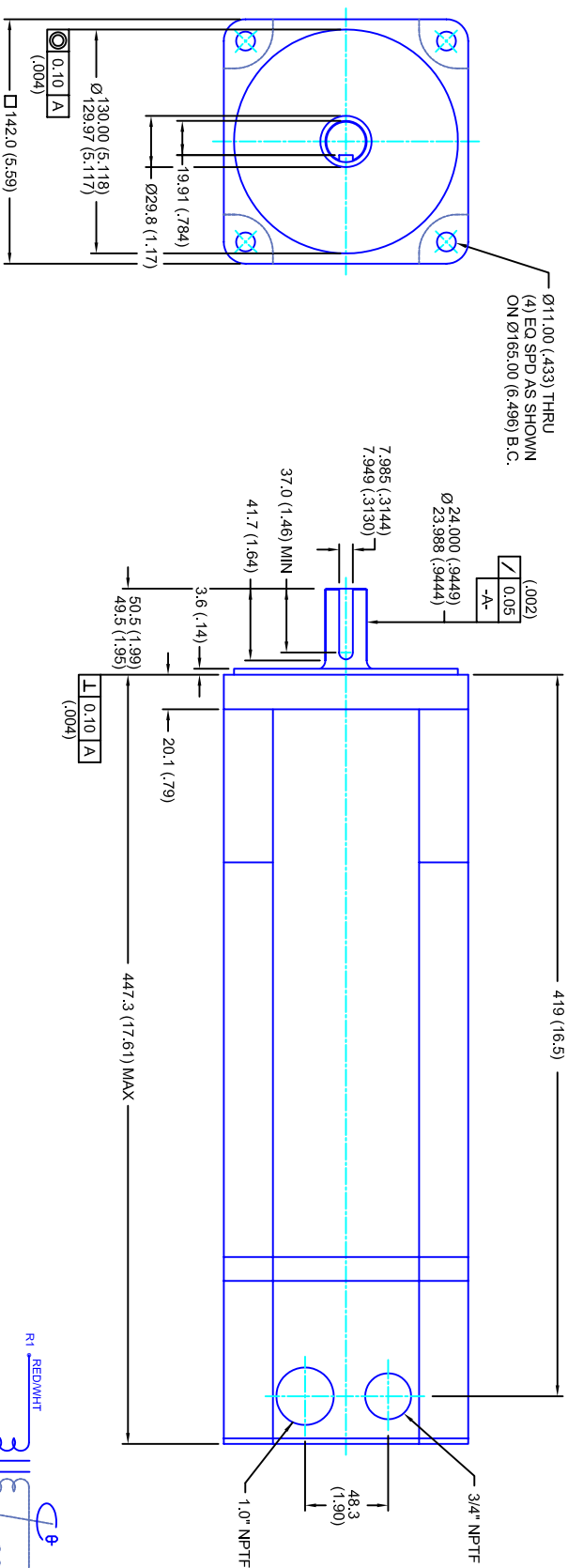


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	10/27/04	



- 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: 28.6 KG [63 LBS]

ELECTRICAL DATA

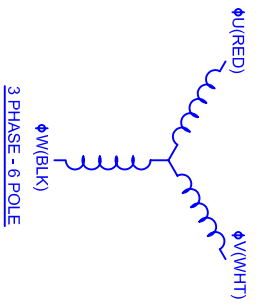
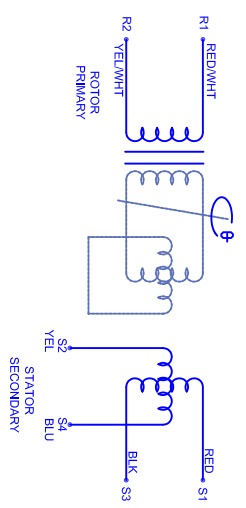
MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	480
AMP TYPE	SINE	
HORSEPOWER	HP	7.5
KILOWATTS	KW	5.7
MAX OPERATING SPEED	RPM	3400
SPEED @ RATED TORQUE	RPM	2800
*CONTINUOUS RATED TORQUE @ 2800 RPM	IN-LBS(INM)	170(19.2)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	21(23.7)
CONTINUOUS LINE TORQUE	IN-LBS(INM)	11.5
PEAK TORQUE	IN-LBS(INM)	63(71.2)
PEAK CURRENT	AMPS(RMS/Φ)	34.4
MAX THEORETICAL ACCEL.	RAD/SEC ²	31,343
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ]/[IN-AMP/RMS/Φ]	18.3(2.06)
BACK EMF (LINE TO LINE)	Vrms/Krpm	115
D.C. RESISTANCE (P-P)	OHMS	0.5
INDUCTANCE (P-P)	MILLIHENRIES	4.1
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.020(1.00227) w/ Brk
STATIC FRICTION	TT	3.0(0.34)

CONNECTION CHART

RES/TERM	WIRE FUNCTION	WIRE COLOR	WIRE COLOR
R1	GND/SHLD	WHT/BLK	WHT
R2	THERM	WHT	WHT
R3	SIN GND	YEL	BLK
R4	COS GND	BLK	RED
R5	SIN	BLU	RED/WHT
R6	COS	RED	YEL/WHT
R7	REF	BLK	BLK
R8	REF	BLK	BLK
R9	REF GND	YEL/WHT	BLK
R10	BRK (-)	BLK	RED
R11	BRK (+)	RED	

- BRAKE INFO:**
- INPUT VOLTAGE: 24 VDC
 - HOLDING FORCE: 40.7 Nm [360 IN-LBS] MAX
 - CURRENT DRAW: 1.13 AMPS
 - RELEASING TIME: 100 ms
 - INERTIA: .00041 IN-LBS-SEC²

TERM	WIRE FUNCTION	WIRE COLOR
1	Φ U	RED
2	Φ V	WHT
3	Φ W	BLK
4	PE GND	GRN/YEL



TOLERANCES UNLESS SPECIFIED

BORER: = H12 ✓
 DECIMAL .xxx ± .12 (0.05)
 DECIMAL .xx ± .25 (0.10)
 DECIMAL .x ± .51 (0.20)
 FRACTION ± .01 (0.06)
 ANGLE (MM/INCHES) ± 0.50

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

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CUSTOM MOTORS INC

460V/KE=115MET/RES/NPT/BRK

CUSTOMER: - DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1/2:1 DATE: 9/7/04 DRAWING NO: CM1422R115MKRNPBT REV: 1