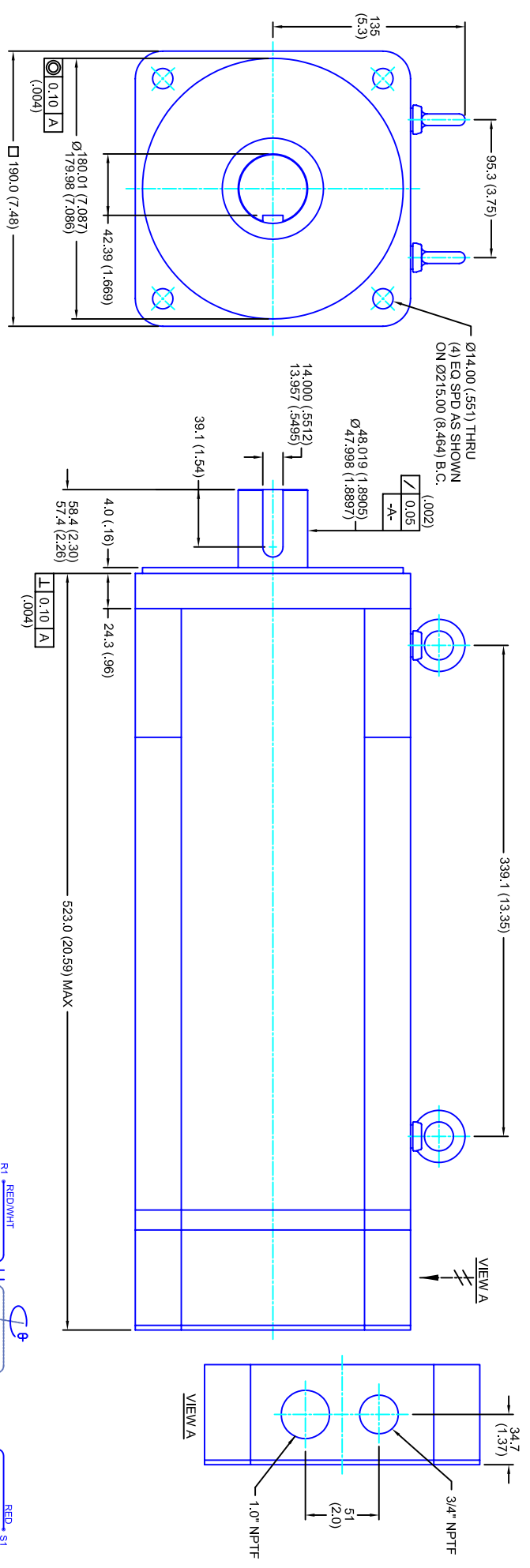


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	6/13/04	



- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 45 KG [100 LBS] MAX
 3. RADIAL LOAD: 113 KG [250 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: G&P STEEL, GRADE 1144
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT: 69 KG [153 LBS]

ELECTRICAL DATA

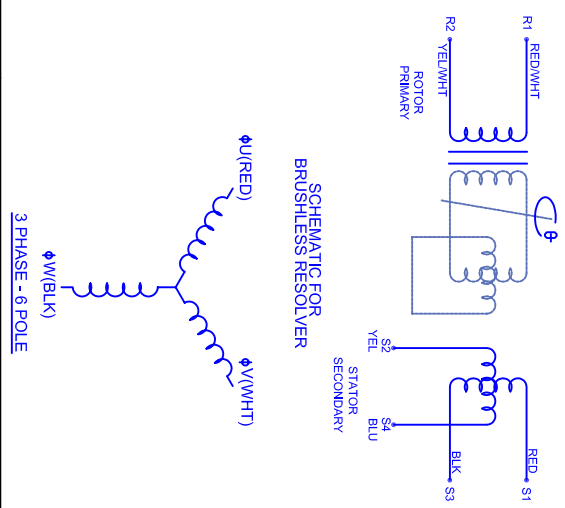
MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	28.8
KILOWATTS	KW	21.5
MAX OPERATING SPEED	RPM	3000
SPEED @ RATED TORQUE	RPM	2400
*CONTINUOUS RATED TORQUE @ 2400 RPM	IN-LBS(INM)	75/75.51
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	880/99.41
*CONTINUOUS LINE CURRENT	AMP(S/RMS/Φ)	1780/201.11
PEAK TORQUE	IN-LBS(INM)	69.3
PEAK CURRENT	AMP(S/RMS/Φ)	140.2
MAX THEORETICAL ACCEL.	RAD/SEC ²	16,226
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ]/(NIN-AMP/RMS/Φ)	12.7/1.44
BACK EMF (LINE TO LINE)	Vrms/Krpm	80
D.C. RESISTANCE (P-P)	OHMS	.05
INDUCTANCE (P-P)	MILLIHENRIES	.65
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.1097/0.1240 w/ BRK
STATIC FRICTION	TT	11.4/1.31

CONNECTION CHART

RES/THERM/BRK WIRE LEADS	WIRE FUNCTION	WIRE COLOR	TERMINAL FUNCTION	WIRE COLOR
R1	SHLD	WHT/BLK	Φ U	RED
R2	THERM	WHT	Φ V	WHT
R3	THERM	WHT	Φ W	BLK
R4	SIN GND	YEL	PE GND	GRN/YEL
R5	COS GND	BLK		
R6	COS	RED		
R7	SIN	BLU		
R8	REF	RED/WHT		
R9	REF GND	YEL/WHT		
R10	BRK (-)	BLK		
R11	BRK (+)	RED		

BRAKE INFO:
 INPUT VOLTAGE: 24 VDC
 HOLDING FORCE: 122 Nm [90 FT-LBS] MAX
 CURRENT DRAW: 2.51 AMPS
 RELEASING TIME: 100 ms
 INERTIA: .00150 IN-LBS-SEC

SCHEMATIC FOR BRUSHLESS RESOLVER



190MM - 3 STK
230V/KE-80/MET/RES/NPT

TOLERANCES UNLESS SPECIFIED	
BORER:	= H2 Ra ✓
DECIMAL .xxx	± .12 (0.05)
DECIMAL .xx	± .25 (0.10)
DECIMAL .x	± .51 (0.20)
ANGLE	± .09
REMOVE ALL BURRS/BREAK SHARP EDGES, ZAMER (0.10°)	
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CUSTOMER: -	DRAWING NO. CM1903Q80MKRNPBT
SCALE 1/2:1	DATE 3/22/04
FINISH: WATERAL:	DRAWN: DFLA SHEET: 1 OF 1
	REV. 1