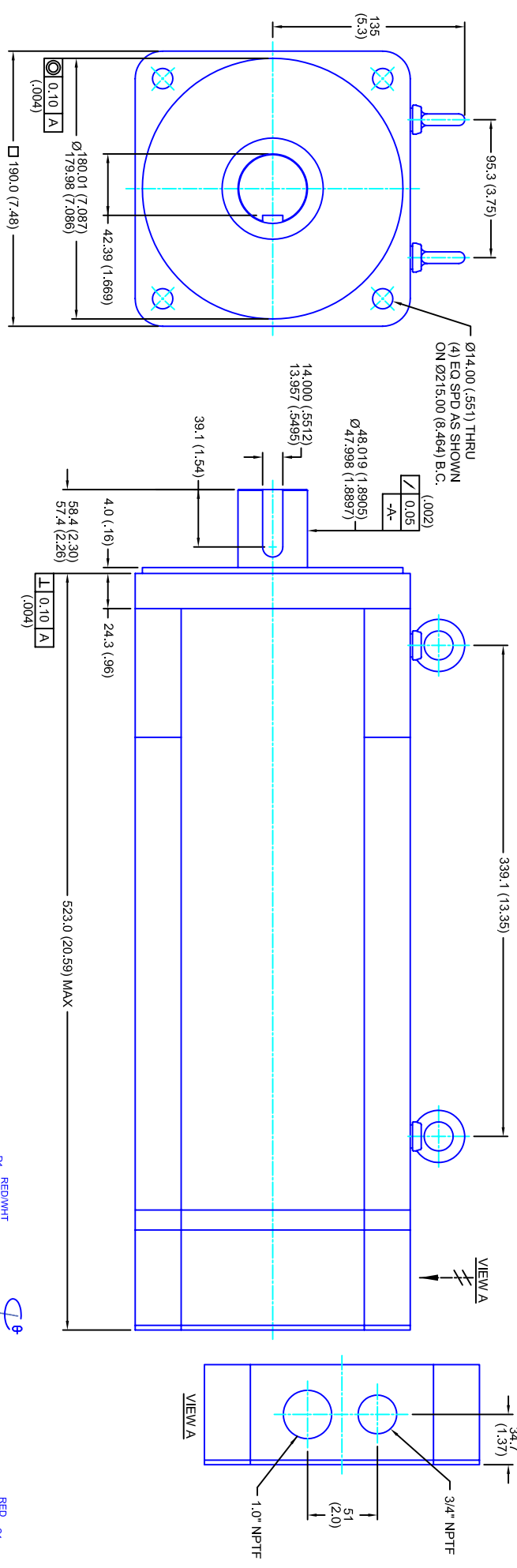


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	5/12/04	



- 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 73 KG [162 LBS]

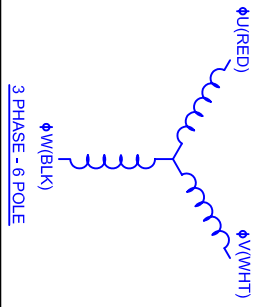
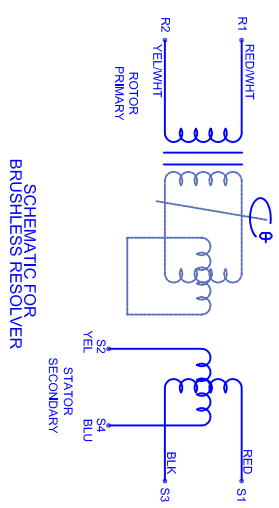
ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	SINE	
HORSEPOWER	HP	18.0
KILOWATTS	KW	13.4
MAX OPERATING SPEED	RPM	1500
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(INM)	939(106.1)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	1092(123.4)
CONTINUOUS LINE CURRENT	AMPS(A/RMS/Φ)	21.2
PEAK TORQUE	IN-LBS(INM)	3276(370.2)
PEAK CURRENT	AMPS(A/RMS/Φ)	63.6
MAX THEORETICAL ACCEL.	RAD/SEC ²	23,450
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ]/(IN-AMP/RMS/Φ)	51.5(5.82)
BACK EMF (LINE TO LINE)	Vrms/Krpm	324
D.C. RESISTANCE (P-P)	OHMS	.53
INDUCTANCE (P-P)	MILLIHENRIES	7.8
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.1397(.01579)
STATIC FRICTION	TT	13.0(1.5)

CONNECTION CHART

RES/THERM 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	SIN GND	BLK		
R6	COS	RED		
R7	SIN	BLU		
R8	REF	RED/WHT		
R9	REF GND	YEL/WHT		
R10	-	-		
R11	-	-		

MOTOR WIRE LEADS	TERMINAL FUNCTION	WIRE COLOR
1	Φ U	RED
2	Φ V	WHT
3	Φ W	BLK
-	PE GND	GRN/YEL



CUSTOM MOTORS INC

190MM - 4 STK

460V/KE=324/MET/RES/NPT

TOLERANCES UNLESS SPECIFIED

BORER: = H12 Ra ✓
 SURFACE FINISH: = 63 Ra ✓
 DECIMAL .xxx ±.12 (0.05)
 DECIMAL .xx ±.25 (0.10)
 DECIMAL .x ±.51 (0.20)
 ANGLE ° ±.01 (0.16)
 ANGLE °/30 ±.030

REMOVE ALL BURRS, BREAK SHARP EDGES, ZAP PERK (0.10)

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CUSTOMER: DRAWN: DFLA SHEET: 1 OF 1

SCALE: 1/2:1 DATE: 5/2/04 DRAWING NO.: CM1904R324MKRNPT REV.: 1