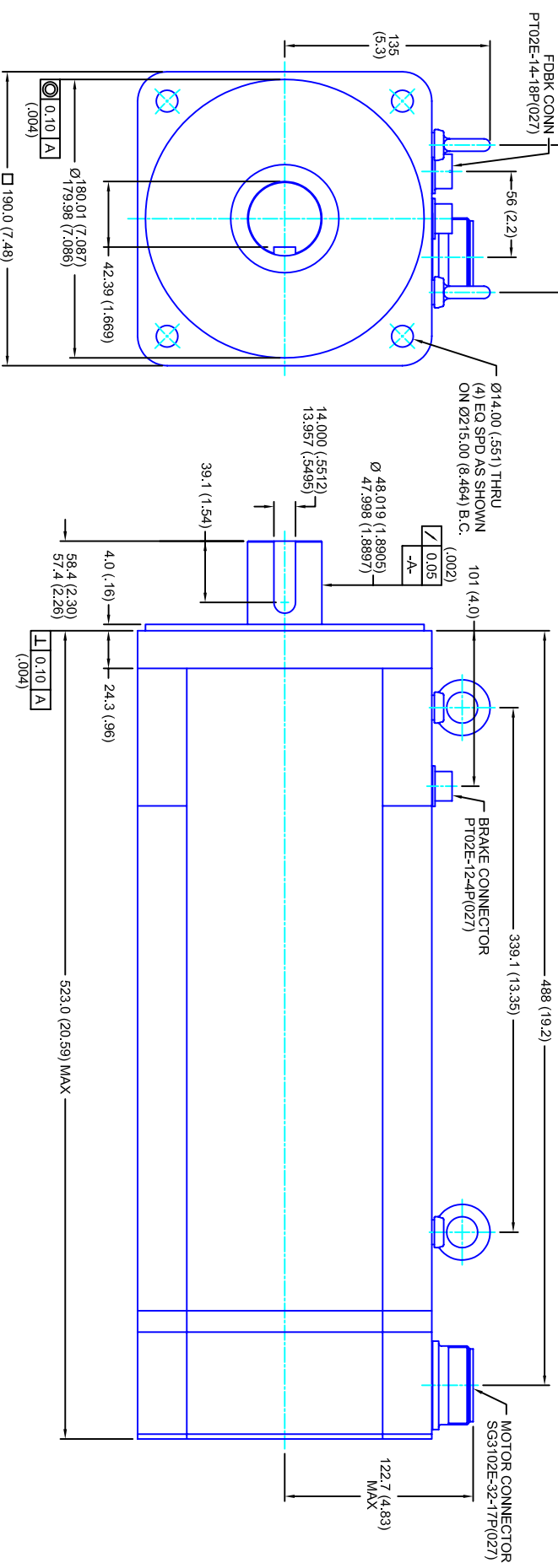


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/3/05	



- 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

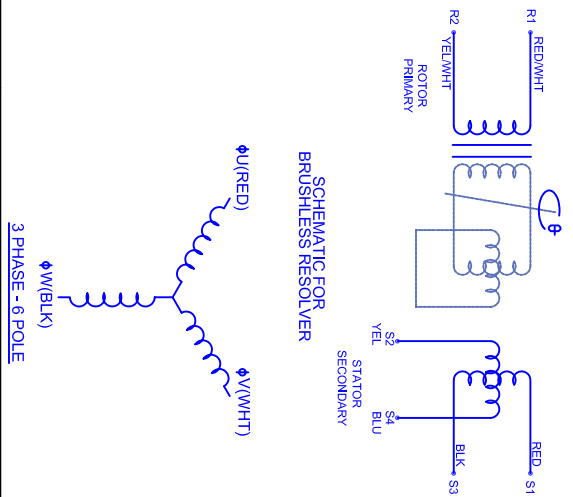
MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	14.4
KILOWATTS	KW	10.7
MAX OPERATING SPEED	RPM	1400
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(INM)	75/785.51
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	880/99.41
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	34.2
PEAK TORQUE	IN-LBS(INM)	2640/298.31
PEAK CURRENT	AMPS(RMS/Φ)	102.7
MAX THEORETICAL ACCEL.	RAD/SEC ²	24,066
TORQUE SENSITIVITY	KI [N-SS/AMP/RMS/Φ]/(NIN/AMP/ENIS/Φ)	25.7/2.911
BACK EMF (LINE TO LINE)	Vrms/Krpm	162
D.C. RESISTANCE (P-P)	OHMS	.19
INDUCTANCE (P-P)	MILLIHENRIES	2.6
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.1097/0.1240 w/ Bk
STATIC FRICTION	TT	11.4/1.31

CONNECTION CHART

PT02E-14-18P(027)				SG3102E-32-17P(027)			
REST/TERM	WIRE FUNCTION	WIRE COLOR	WIRE LEADS	MOTOR WIRE FUNCTION	WIRE COLOR	WIRE LEADS	
A	-	-	-	A	Φ U	RED	
B	-	-	-	B	Φ V	WHT	
C	-	-	-	C	Φ W	BLK	
D	RES SHLD	WHT/BLK	-	D	PE GND	GRN/YEL	
E	SIN GND	RED/WHT	-				
F	COS GND	BLK	-				
G	SIN	BLU	-				
H	-	-	-				
J	-	-	-				
K	-	-	-				
L	-	-	-				
M	-	-	-				
N	TERM	WHT	-				
P	-	-	-				
R	REF GND	YEL/WHT	-				
S	COS	RED	-				
T	-	-	-				
U	TERM	WHT	-				

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=162/METRES/CONN/BRK

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°)	
FINISH:	
WATERL:	
SCALE	1/2:1
DATE	3/8/05
DRAWING NO.	CM1903Q162MKRCB
CUSTOMER:	DRAWN: DFLA SHEET: 1 OF 1
REV.	1