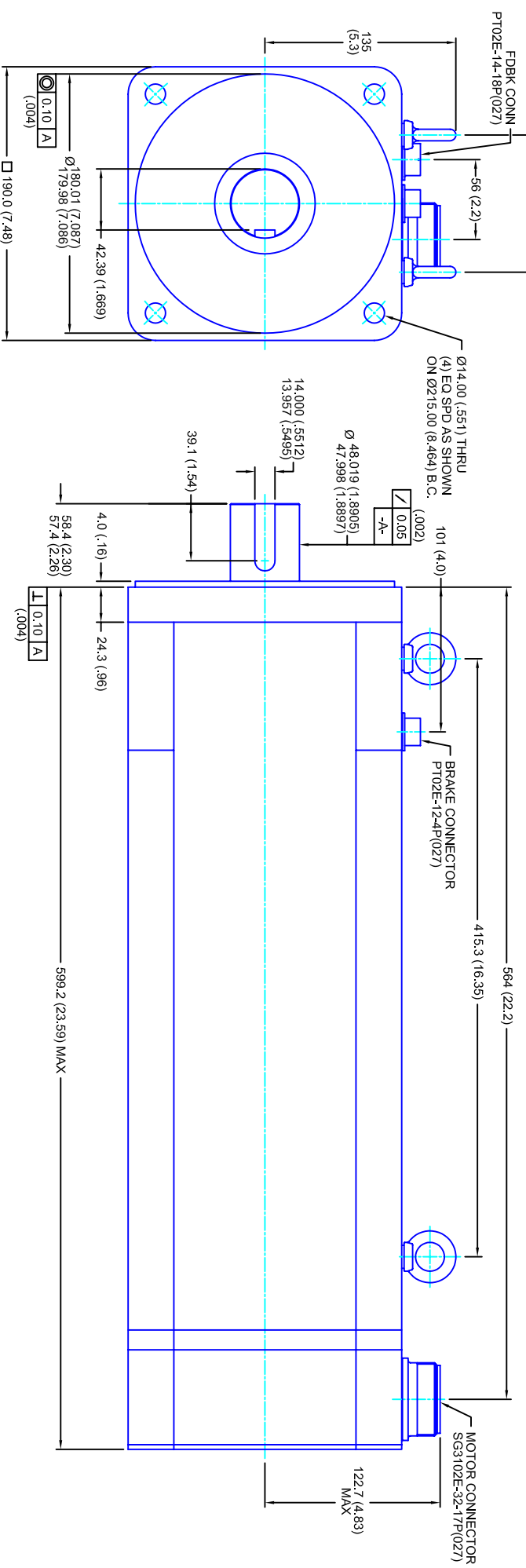


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	9/15/05	



- 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 84 KG [185 LBS]

ELECTRICAL DATA

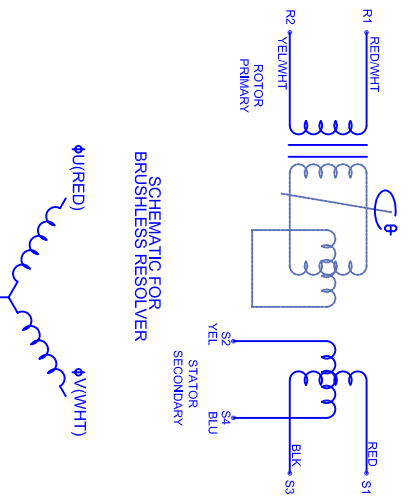
MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	35.7
KILOWATTS	KW	26.7
MAX OPERATING SPEED	RPM	2850
SPEED @ RATED TORQUE	RPM	2400
*CONTINUOUS RATED TORQUE @ 2400 RPM	IN-LBS(INM)	939(106.1)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	1092(123.4)
CONTINUOUS LINE CURRENT	AMP(S/RMS/Φ)	43.0
PEAK TORQUE	IN-LBS(INM)	3276(370.2)
PEAK CURRENT	AMP(S/RMS/Φ)	127.5
MAX THEORETICAL ACCEL.	RAD/SEC ²	23,201
TORQUE SENSITIVITY	KI [N-SS/AMP/RMS/Φ]/(NIN/AMP/ENIS/Φ)	25.7(2.91)
BACK EMF (LINE TO LINE)	Vrms/Krpm	162
D.C. RESISTANCE (P-P)	OHMS	.14
INDUCTANCE (P-P)	MILLIHENRIES	1.9
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.1412(0.1596) w/ Bk
STATIC FRICTION	TT	13.0(1.5)

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	WHT/BLK	D	PE GND	GRN/YEL	
E	REF	RED/WHT	RED/WHT				
F	SIN GND	YEL	YEL				
G	COS GND	BLU	BLU				
H	SIN	-	-				
J	-	-	-				
K	-	-	-				
L	-	-	-				
M	-	-	-				
N	TERM	WHT	WHT				
P	-	-	-				
R	REF GND	YEL/WHT	YEL/WHT				
S	COS	RED	RED				
T	-	-	-				
U	TERM	WHT	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



TOLERANCES UNLESS SPECIFIED

BORER:	= H12	✓
DECIMAL .xxx	± .12 (0.05)	
DECIMAL .xx	± .25 (0.010)	
DECIMAL .x	± .51 (0.020)	
ANGLE	± .030	

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

460V/KE=162/METRES/CONN/BRK

190MM - 4 STK



MATERIAL:	SCALE	DATE	DRAWING NO.	CUSTOMER:	DRAWN:	DFLA	SHEET: 1 OF 1	REV.
	1/2:1	9/8/04	CM1904R162MKRCSB					1