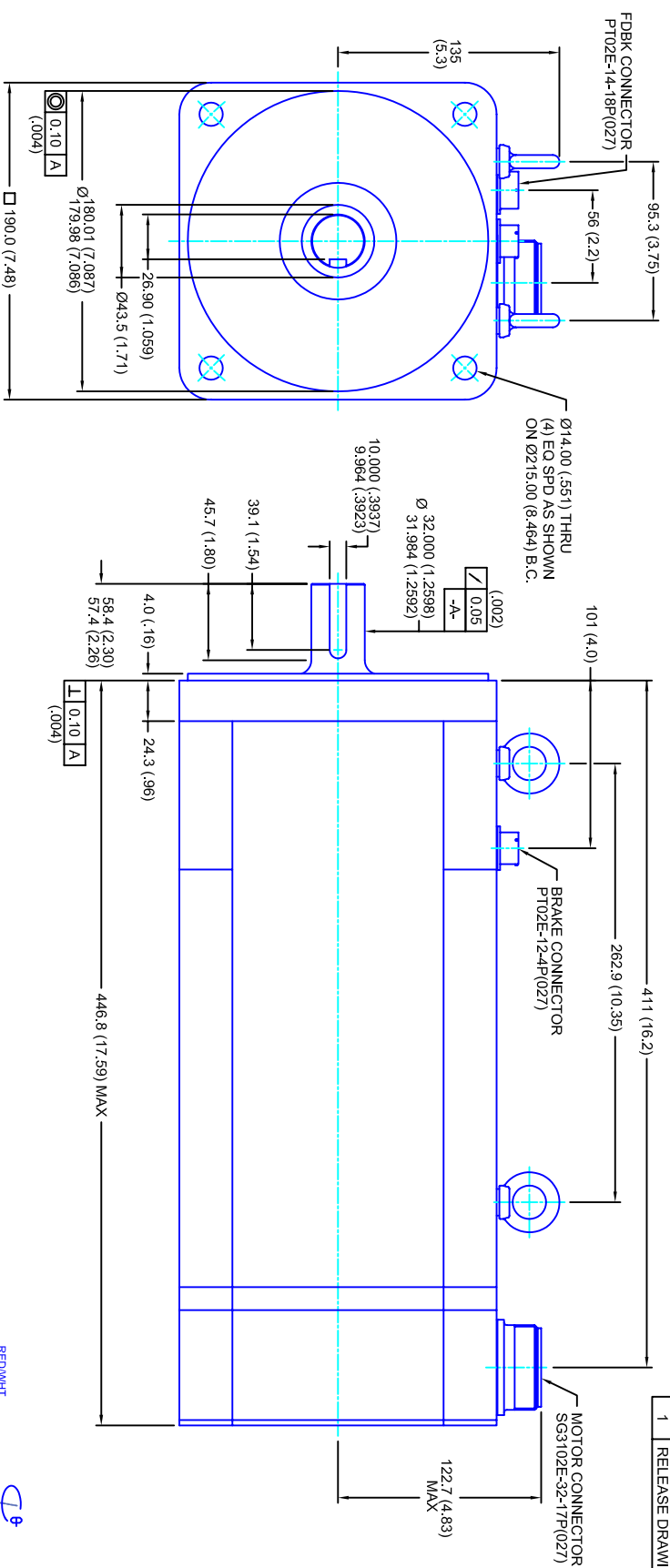


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/3/05	



- 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: 55 KG [121 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	230
AMP TYPE	-	SINE
HORSEPOWER	HP	10.5
KILOWATTS	KW	7.8
MAX OPERATING SPEED	RPM	1400
SPEED @ RATED TORQUE	RPM	1200
*CONTINUOUS RATED TORQUE @ 1200 RPM	IN-LBS(INM)	550(2.1)
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	640(2.3)
*CONTINUOUS LINE CURRENT	AMPS(RMS/Φ)	24.9
PEAK TORQUE	IN-LBS(INM)	1920(216.9)
PEAK CURRENT	AMPS(RMS/Φ)	74.7
MAX THEORETICAL ACCEL.	RAD/SEC ²	25,098
TORQUE SENSITIVITY	KI [N-LBS/AMP/RMS/Φ] [NM/AMP/RMS/Φ]	25.7(2.91)
BACK EMF (LINE TO LINE)	Vrms/Krpm	162
D.C. RESISTANCE (P-P)	OHMS	.36
INDUCTANCE (P-P)	MILLIHENRIES	4.0
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0765(.00864) w/ Bk
STATIC FRICTION	TT	9.8(1.1)

CONNECTION CHART

PT02E-14-18P(027)				SG3102E-32-17P(027)			
REST/TERM	WIRE	WIRE	WIRE	REST/TERM	WIRE	WIRE	WIRE
FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION	FUNCTION
A	-	-	-	A	Φ U	RED	RED
B	-	-	-	B	Φ V	WHT	WHT
C	-	-	-	C	Φ W	BLK	BLK
D	RES SHLD	WHT/BLK	-	D	PE GND	GRN/YEL	-
E	RES REF	RED/WHT	-	PT02E-12-4P(027)			
F	SIN GND	YEL	-	BRK	Φ (+)	RED	RED
G	COS GND	BLK	-	B	BRK (-)	BLK	BLK
H	SIN	BLU	-	C	-	-	-
J	-	-	-	D	-	-	-
K	-	-	-	MOTOR WIRE LEADS			
L	-	-	-	BRK	Φ (+)	RED	RED
M	-	-	-	B	BRK (-)	BLK	BLK
N	TERM	WHT	-	C	-	-	-
P	-	-	-	BRAKE WIRE LEADS			
R	REF GND	YEL/WHT	-	BRK	Φ (+)	RED	RED
S	COS	RED	-	B	BRK (-)	BLK	BLK
T	-	-	-	C	-	-	-
U	TERM	WHT	-	D	-	-	-

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-SEC²

TOLERANCES UNLESS SPECIFIED			
BORING	= H12	✓	
DECIMAL .xxx	= ±.12 (0.05)		
DECIMAL .xx	= ±.25 (0.10)		
DECIMAL .x	= ±.51 (0.20)		
ANGLE	= ±.09		

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

CUSTOMER: -

SCALE: 1/2:1

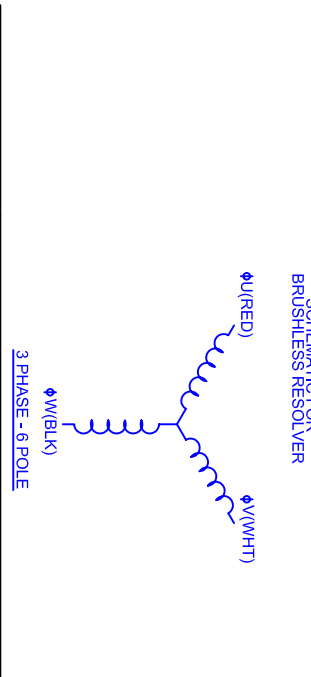
DATE: 9/7/04

DRAWING NO: CM1902Q162MKRCB

DRAWN: DFLA

SHEET: 1 OF 1

REV: 1



190MM - 2 STK
 230V/KE=162/METRES/CONN/BRK