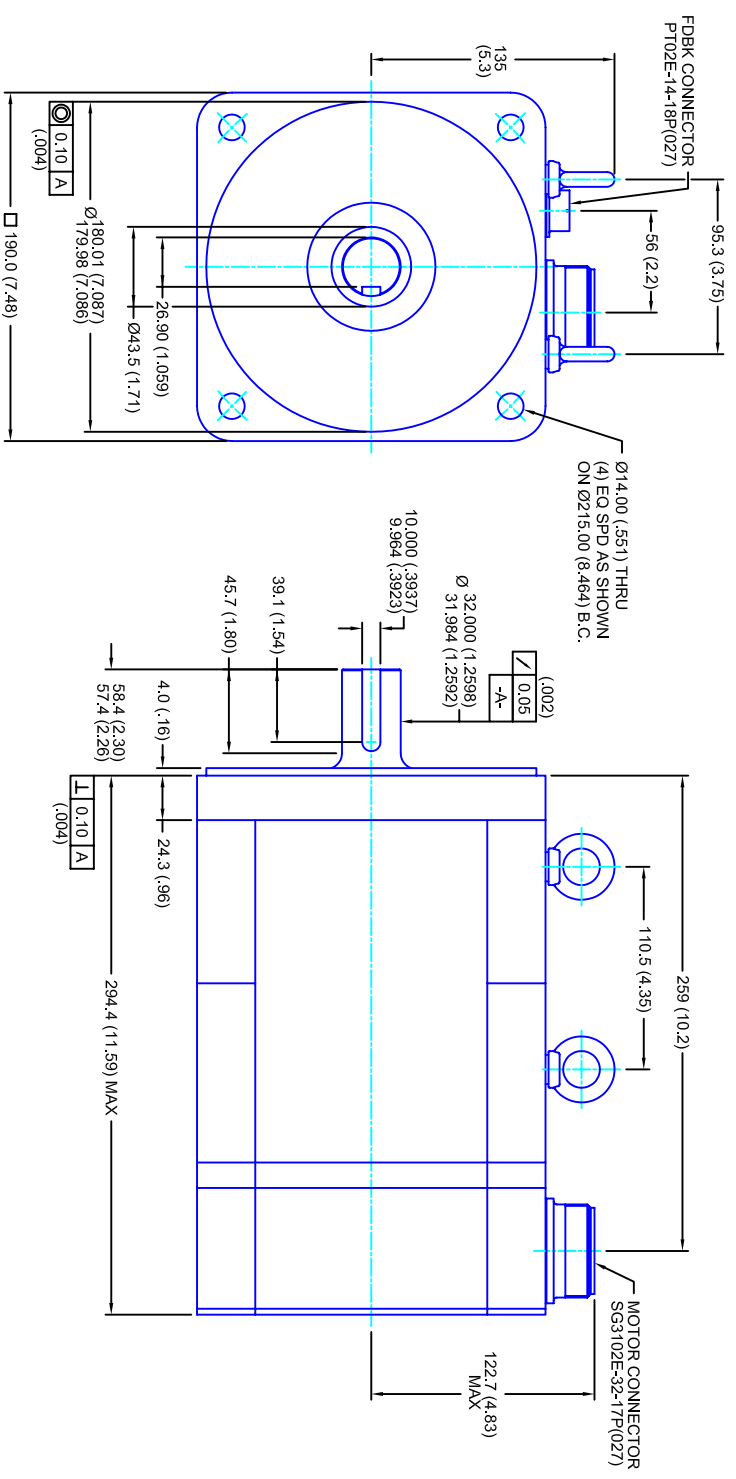


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	11/3/05	



- 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: 30 KG [66 LBS.]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	13.1
KILOWATTS	KW	9.8
MAX OPERATING SPEED	RPM	2850
SPEED @ RATED TORQUE	RPM	2400
*CONTINUOUS RATED TORQUE @ 2400 RPM	IN-LBS[IN]m	344[38.9]
*CONTINUOUS STALL TORQUE	IN-LBS[IN]m	400[45.2]
CONTINUOUS LINE CURRENT	AMPS[RMS/Φ]	15.6
PEAK TORQUE	IN-LBS[IN]m	1200[135.6]
PEAK CURRENT	AMPS[RMS/Φ]	46.7
MAX THEORETICAL ACCEL.	RAD/SEC ²	27,778
TORQUE SENSITIVITY	KI [N-BS/AMP/RMS/Φ][IN-AMP/RMS/Φ]	25.7[2.91]
BACK EMF (LINE TO LINE)	Vrms/Krpm	162
D.C. RESISTANCE (P-P)	OHMS	.95
INDUCTANCE (P-P)	MILLIHENRIES	9.0
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0432[.00488]
STATIC FRICTION	TT	8.2[.93]

ENCODER INFO:
5V - 1024L COMMUTATING

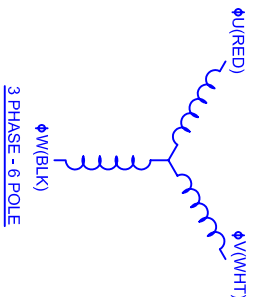
CONNECTION CHART

PT102E-14-18P(027)

ENC/TERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
PIN	FUNCTION	WIRE COLOR
A	THRM	WHT
B	CH A	BLU
C	CH A1	BLU/BLK
D	GND CABLE	SHLD
E	CH U	BRN
F	CH V	GRY
G	CH W	WHT
H	CH W1	WHT/BLK
J		-
K	+5VDC	RED
L	THERM	WHT
M	CH Z	YEL
N	CH B	GRN
P	CH B1	GRN/BLK
R	CH U1	BRN/BLK
S	CH V1	GRY/BLK
T	GND	BLK
U	CH Z1	YEL/BLK

SG3102E-32-17P(027)

MOTOR WIRE LEADS	WIRE FUNCTION	WIRE COLOR
PIN	FUNCTION	WIRE COLOR
A	Φ U	RED
B	Φ V	WHT
C	Φ W	BLK
D	PE GND	GRN/YEL



190MM - 1 STK
460V/KE=162MET/1024/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H2
DRILL:	= H7
DEGIMAL .xxx	= .12 (.005)
DEGIMAL .xx	= .25 (.010)
DEGIMAL .x	= .51 (.020)
ANGLE	= .030
ANGLE	= .030

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

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CUSTOMER: -

SCALE: 1/2:1

DATE: 9/14/04

DRAWING NO.: CM1901R162MK1024CS

DRAWN: DFLA

SHEET: 1 OF 1

REV: 1