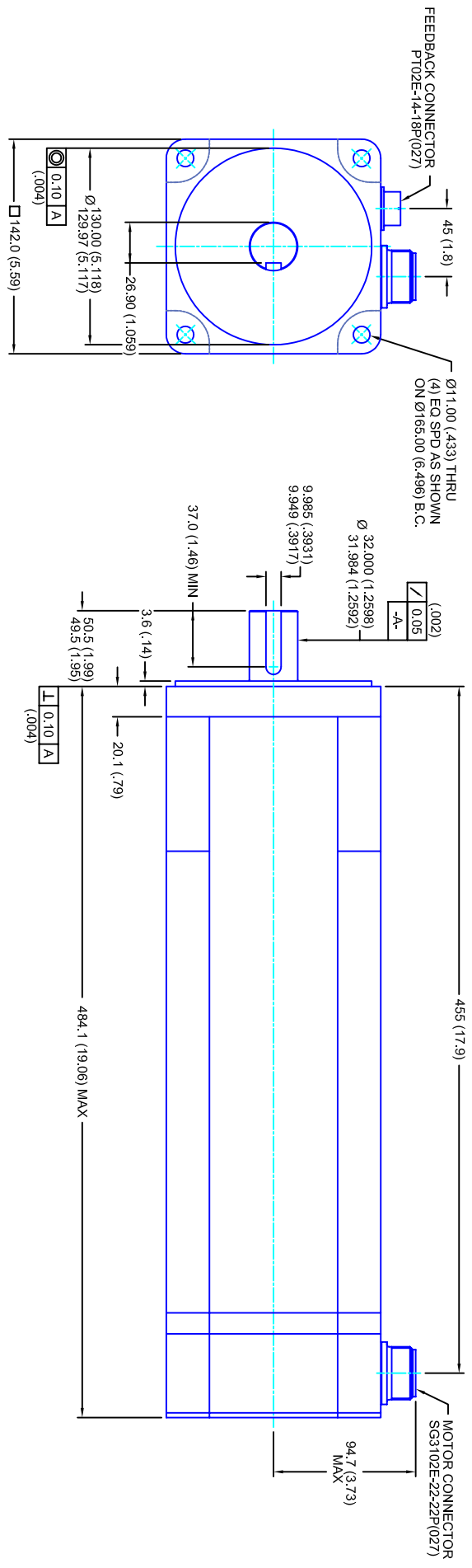


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	QUOTE DRAWING	9/7/04	



- NOTES:**
1. MILLIMETERS (INCHES)
 2. AXIAL LOAD: 23 KG [50 LBS] MAX
 3. RADIAL LOAD: 68 KG [150 LBS] MAX @ 25.4MM [1.00] FROM FACE
 4. MOTOR SEALED TO IP65
 5. MOTOR SHAFT: 416 STAINLESS STEEL
 6. MOTOR FINISH: BLACK MATT FINISH
 7. MOTOR WEIGHT: 38.6 KG [85 LBS]

ELECTRICAL DATA

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	12.4
KILOWATTS	KW	9.3
MAX OPERATING SPEED	RPM	3400
SPEED @ RATED TORQUE	RPM	2800
*CONTINUOUS RATED TORQUE @ 2800 RPM	IN-LBS(IN)	280(121.6)
*CONTINUOUS STALL TORQUE	IN-LBS(IN)	360(160.7)
CONTINUOUS LINE CURRENT	AMPS/(RMS/Φ)	19.7
PEAK TORQUE	IN-LBS(IN)	108(1122.1)
PEAK CURRENT	AMPS/(RMS/Φ)	59.1
MAX THEORETICAL ACCEL.	RAD/SEC ²	29.216
TORQUE SENSITIVITY	KI [N-BS/AMP/(RMS/Φ)](IN/AMP/(RMS/Φ))	18.3(2.06)
BACK EMF (LINE TO LINE)	Vrms/Krpm	115
D.C. RESISTANCE (P-P)	OHMS	.22
INDUCTANCE (P-P)	MILLIHENRIES	1.9
ROTOR INERTIA	IN-LBS-SEC ² [KG-M ²]	.0370(.00418)
STATIC FRICTION	TT	4.2(0.47)

ENCODER INFO:

SV - 2048L COMMUTATING

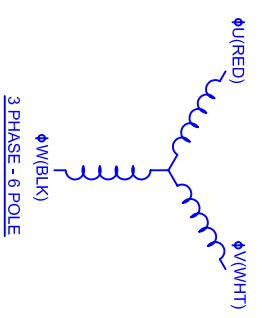
CONNECTION CHART

PT02E-14-18P(027)

ENCOTERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A	THERM	WHT
B	CH A	BLU
C	CH A	BLU/BLK
D	GND CABLE	SHLD
E	CH U	BRN
F	CH V	GRY
G	CH W	WHT
H	CH W	WHT/BLK
J	-	-
K	+5VDC	RED
L	THERM	WHT
M	CH Z	YEL
N	CH B	GRN
P	CH BL	GRN/BLK
R	CH U	BRN/BLK
S	CH V	GRY/BLK
T	GND	BLK
U	CH Z	YEL/BLK

SG3102E-22-22P(027)

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



142MM - 4 STK
460V/KE=115/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
SURFACE FINISH:	= H12
BORER:	= H7
DECIMAL .xxx	± .12 (.005)
DECIMAL .xx	± .25 (.010)
DECIMAL .x	± .51 (.020)
DECIMAL .	± .40 (.016)
ANGLE (MM (INCHES))	± .030

REMOVE ALL BURRS/BREAK SHARP EDGES AS PER (010)

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FINISH:	SCALE:	DATE:	DRAWING NO.:	DRAWN:	SHEET:	REV.:
WATERLAL:	1/2:1	9/7/04	CM1424R115MK2048CS	DFLA	1 OF 1	1