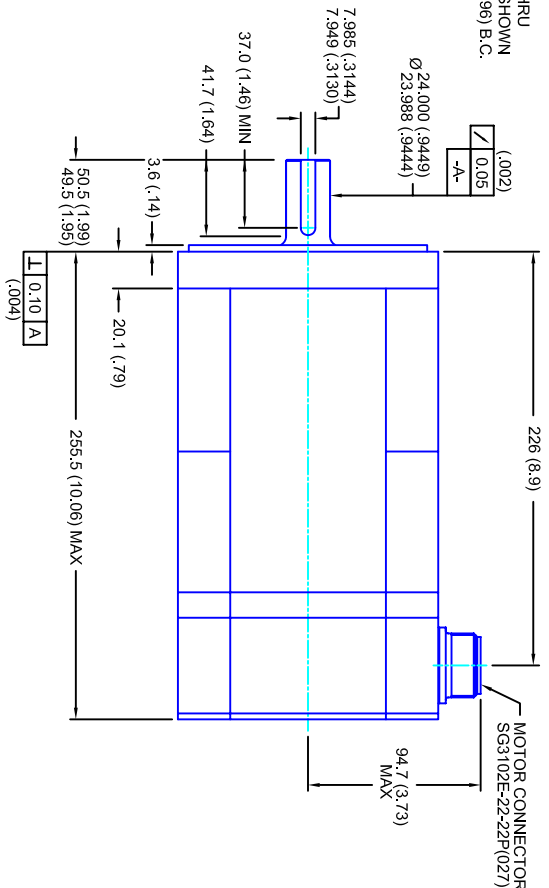
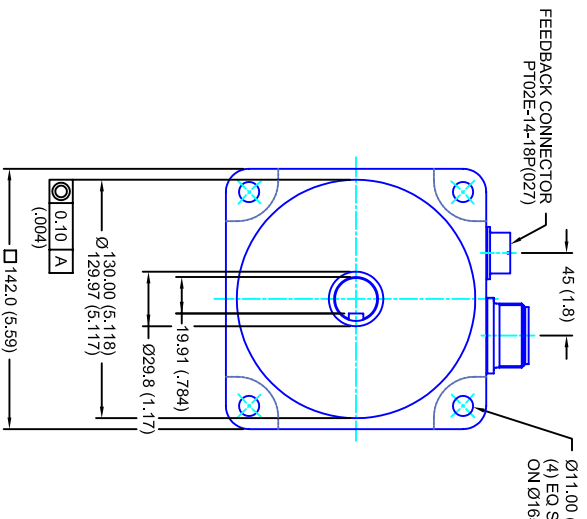


REVISIONS			
REV	DESCRIPTION	DATE	APPD
1	RELEASE DRAWING	10/28/05	



- 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 15 KG [ 33 LBS ]

**ELECTRICAL DATA**

MOTOR PARAMETERS	UNITS/MEASURE	VALUES
VOLTAGE	VOLTS-AC	460
AMP TYPE	-	SINE
HORSEPOWER	HP	-
KILOWATTS	KW	-
MAX OPERATING SPEED	RPM	-
SPEED @ RATED TORQUE	RPM	-
*CONTINUOUS RATED TORQUE @ -	RPM	-
*CONTINUOUS STALL TORQUE	IN-LBS(INM)	-
*CONTINUOUS LINE CURRENT	AMP(S/RMS/Φ)	-
PEAK TORQUE	IN-LBS(INM)	-
PEAK CURRENT	AMP(S/RMS/Φ)	-
MAX THEORETICAL ACCEL.	RAD/SEC <sup>2</sup>	-
TORQUE SENSITIVITY	KI [N-HS/AMP/RMS/Φ] (NIN/AMP/RMS/Φ)	11.1 [1.26]
BACK EMF (LINE TO LINE)	V/MS/KRPM	70
D.C. RESISTANCE (P-P)	OHMS	.54
INDUCTANCE (P-P)	MILLIHENRIES	3.3
ROTOR INERTIA	IN-LBS-SEC <sup>2</sup> [KG-M <sup>2</sup> ]	.0111 [0.00125]
STATIC FRICTION	TT	2.4 [0.27]

**ENCODER INFO:**

SV - 2048L COMMUTATING

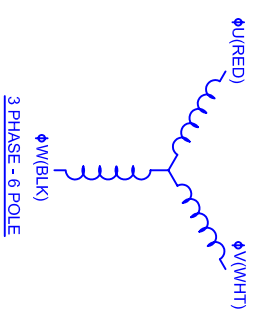
**CONNECTION CHART**

PT02E-14-18P(027)

ENCTHERM WIRE LEADS	WIRE FUNCTION	WIRE COLOR
A	CH A	BLU
B	CH A	BLU/BLK
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	+5VDC	RED
K	THERM	WHT
L	CH Z	YEL
M	CH B	GRN
N	CH B	GRN/BLK
P	CH BI	GRN/BLK
R	CH UI	BRN/BLK
S	CH VI	GRY/BLK
T	GND	BLK
U	CH ZI	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



CUSTOM MOTORS INC

142MM - 1 STK  
460V/KE=70/MET/2048/CONN

TOLERANCES UNLESS SPECIFIED	
BORER:	= H2 ✓
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 (010)

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CUSTOMER:	DATE:	DRAWING NO.:	DRAWN:	SHEET:	REV.
1/2:1	1/24/04	CM1421R70MK2048CS	DFLA	1 OF 1	1