

PRODUCT INFORMATION PACKET



Model No: UH1016

Catalog No: UH1016

Unit Heater Motor, 1/6 HP, 1 Ph, 60 Hz, 115 V, 1075 RPM, 1 Speed, 48 Frame, ENCLOSED



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2025 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Phase	1	Output HP	1/6 Hp
Output KW	0.13 kW	Voltage	115 V
Speed	1075 rpm	Service Factor	1
Frame	48Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
Frequency	60 Hz	Current	2.2 A
Duty	Air Over	Insulation Class	B
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Resilient Rings	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.52 in	Frame Length	3.63 in
Shaft Diameter	0.500 in	Shaft Extension	3.7 in
Connection Drawing	614131-124	Outline Drawing	UH1016-S01

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/22/2025

GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER INCH LENGTH OF EXTENSION.

BEARINGS: BALL

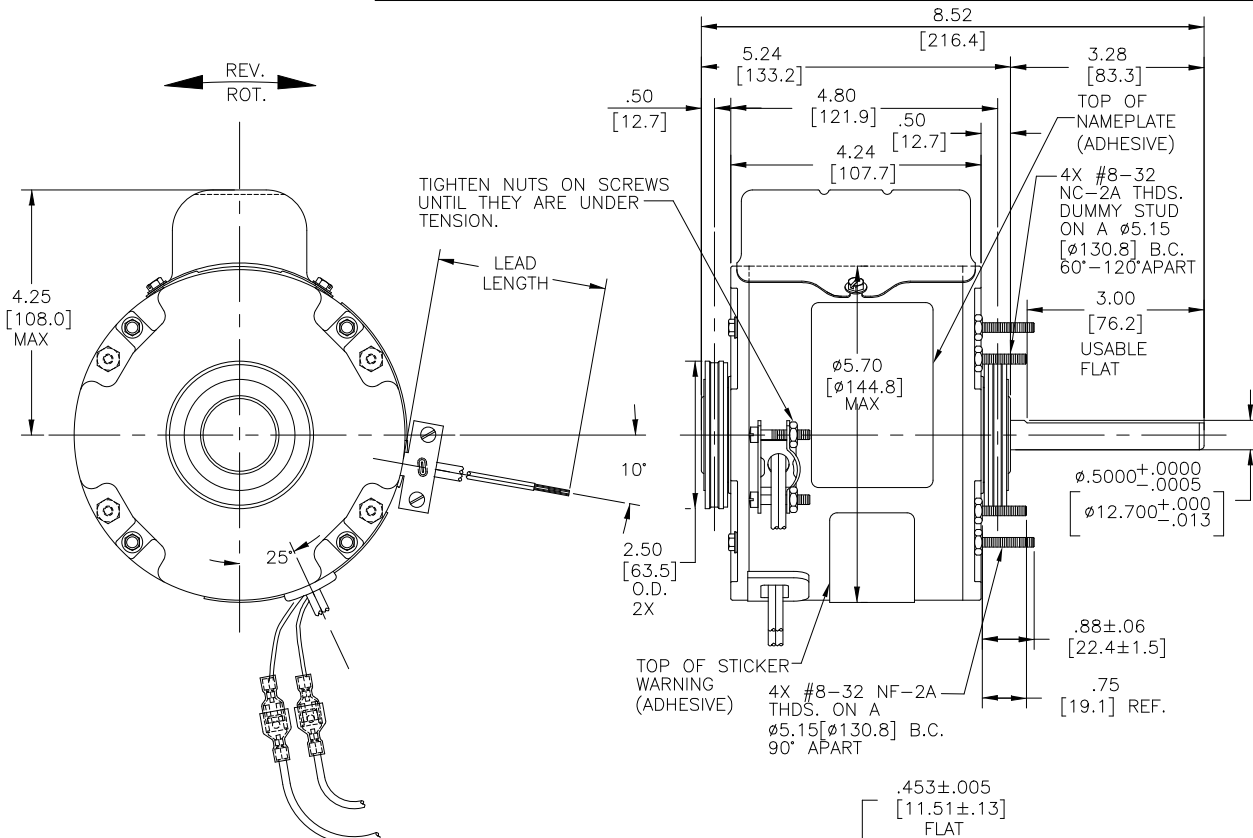
MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

LEADS: NO. 18 GA., .03[.8] THK. XLP, 125°C INSUL.

REV	ECO	REV BY	DATE	APPD	DATE
KB	ECR-0245213	ABHI	08/20/2025	KEP	08/20/2025



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48J84A01 CUST. P/N: UH1016 HP: 1/6 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 115 PH: 1 AMPS: 2.2 HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 5 MFD/370V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	BROWN BROWN/W YELLOW BLACK BLUE PURPLE RED ORANGE SHOWN FOR CCWLE ROT.FOR CWLE ROT. INTERCHANGE PURPLE AND ORANGE LEADS.

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C31497	15.9 OZ. FT.	97AC294A	E46412	PRGY2	LR43341	4211-01

BLUE	5.0/7.0 [127/178]	PRE-INSUL. TAB TERM.
PURPLE	5.0/7.0 [127/178]	PRE-INSUL. TAB TERM.
RED	5.0/7.0 [127/178]	PRE-INSUL. TAB TERM.
ORANGE	5.0/7.0 [127/178]	PRE-INSUL. TAB TERM.
BROWN/WHITE	CONNECTED TO CAPACITOR	.25[6.4] FLAT
BROWN	CONNECTED TO CAPACITOR	.25[6.4] FLAT
BLACK	58.0/62.0 [1473/1574]	.60[15.2] SKIN
YELLOW	58.0/62.0 [1473/1574]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

NOTE:

- (1) MOUNTING BASE AND
- (2) MOUNTING CLAMP ASSEMBLIES TO BE SHIPPED SEPARATELY IN EACH CARTON WITH MOTOR. MOTOR SHIPPED CONNECTED FOR CCWLE ROTATION.

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

CUSTOMER	DISTRIBUTION SERVICE
----------	----------------------

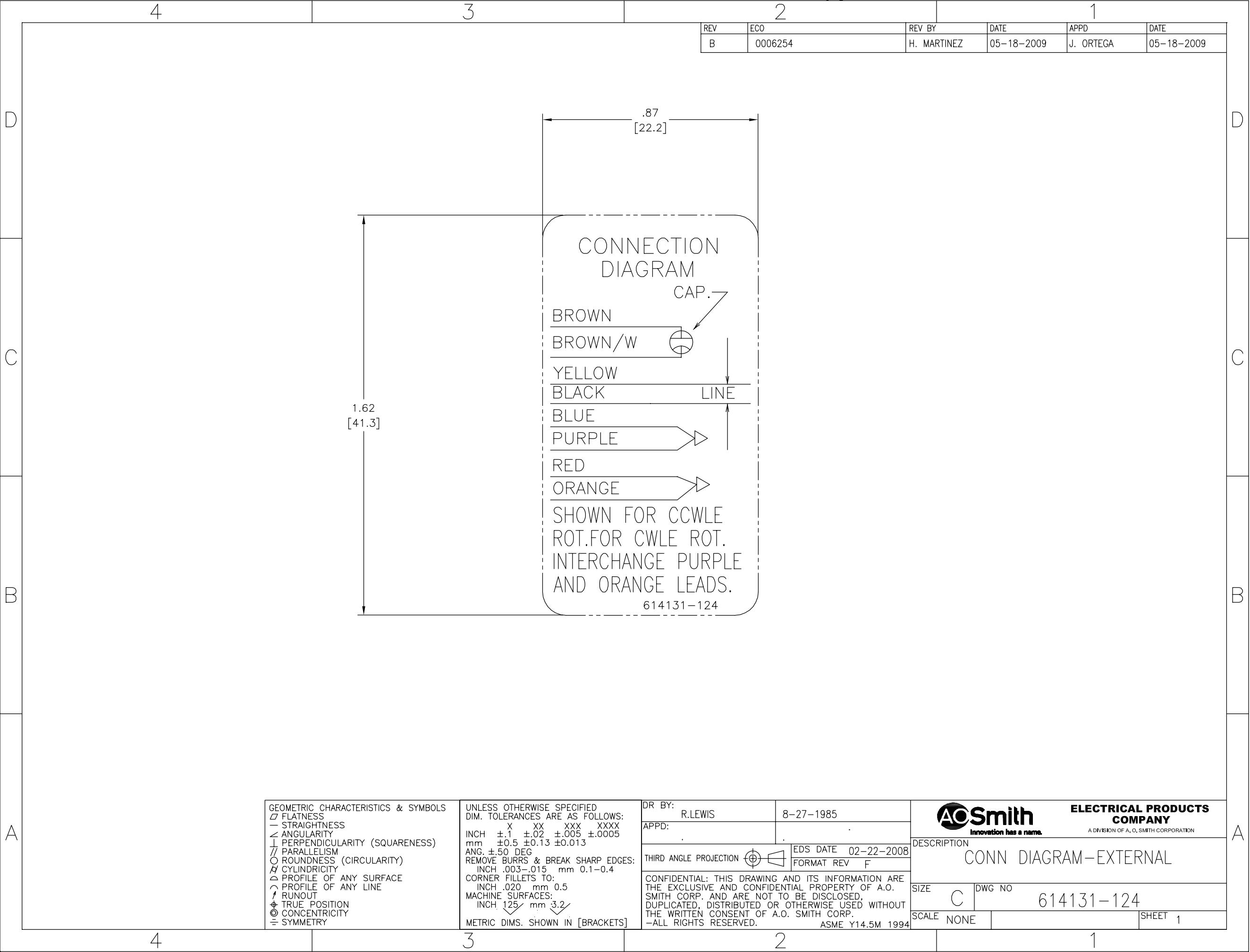
GEOMETRIC CHARACTERISTICS & SYMBOLS
FLATNESS STRAIGHTNESS ANGULARITY PERPENDICULARITY (SQUARENESS) PARALLELISM ROUNDNESS (CIRCULARITY) CYLINDRICITY PROFILE OF ANY SURFACE PROFILE OF ANY LINE RUNOUT TRUE POSITION CONCENTRICITY SYMMETRY

REGAL-BELOIT CORPORATION (RBC) PROVIDES TECHNICAL ASSISTANCE TO OUR CUSTOMERS IN SEVERAL AREAS. SINCE RBC DOES NOT RECEIVE ALL DATA CONCERNING THE USE AND APPLICATION OF THE MOTOR, THE SUITABILITY OF THE MOTOR FOR THE APPLICATION MUST BE DETERMINED BY THE CUSTOMER.

DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: Y.LIU	03-12-2012
APPD: B.SHEN	03-12-2012
THIRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV G
CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.	

DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
SIZE C	DWG NO UH1016
SCALE NONE	SHEET 1



GEOMETRIC CHARACTERISTICS & SYMBOLS			
▮	FLATNESS	—	STRAIGHTNESS
∠	ANGULARITY	⊥	PERPENDICULARITY (SQUARENESS)
∥	PARALLELISM	○	ROUNDNESS (CIRCULARITY)
⌀	CYLINDRICITY	△	PROFILE OF ANY SURFACE
⌀	TRUE POSITION	↗	RUNOUT
⊙	CONCENTRICITY	≡	SYMMETRY

UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:			
INCH	±.1	XX ±.02	XXX ±.005
mm	±0.5	±0.13	±0.013
ANG.	±.50	DEG	
REMOVE BURRS & BREAK SHARP EDGES:			
INCH	.003-.015	mm	0.1-0.4
CORNER FILLETS TO:			
INCH	.020	mm	0.5
MACHINE SURFACES:			
INCH	125	mm	3.2
METRIC DIMS. SHOWN IN [BRACKETS]			

DR BY:	R.LEWIS	8-27-1985
APPD:		
THIRD ANGLE PROJECTION	⊕	EDS DATE 02-22-2008 FORMAT REV F
CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. -ALL RIGHTS RESERVED. ASME Y14.5M 1994		

 Smith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPTION CONN DIAGRAM-EXTERNAL			
C	DWG NO 614131-124		
E NONE			SHEET 1

4

3

2

1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0006254	H. MARTINEZ	05-18-2009	J. ORTEGA	05-18-2009

D

D

C

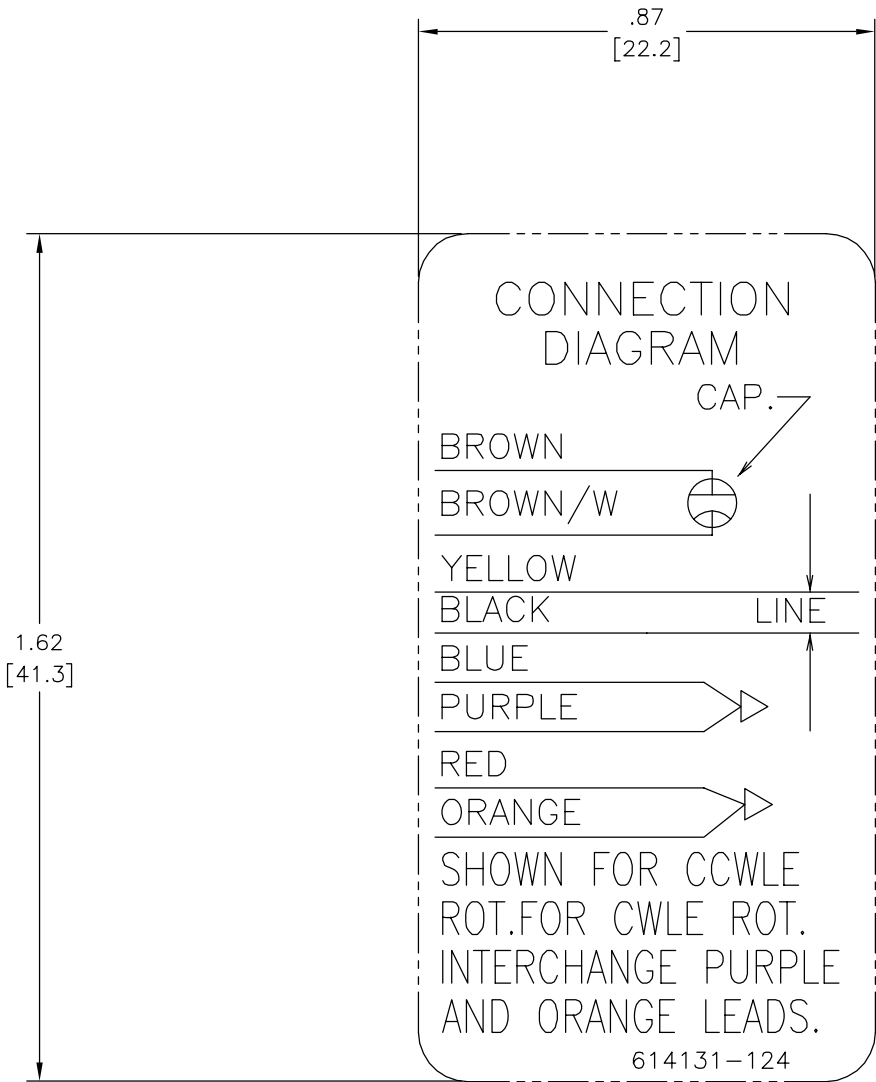
C

B

B

A

A



CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS □ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⊘ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∧ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD ≡ SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES: PULG $\pm .1$ $\pm .02$ $\pm .005$ $\pm .0005$ mm ± 0.5 ± 0.13 ± 0.013 ANG. ± 50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG $\frac{1}{125}$ mm $\frac{3}{32}$ DIMS METRICAS MOSTRADAS [PARENTESIS]	DIBUJADO POR: R.LEWIS	8-27-1985	 ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	DESCRIPCION:
		APROBADO POR:	.		
		TERCER ANGULO DE PROYECCION			
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. -TODOS LOS DERECHOS RESERVADOS.ASME Y14.5M 1994	FECHA EDS: 02-22-2008 REV. FORMATO: F		
4	3	2	1	TAMAÑO: C	NUMERO DE DIBUJO: 614131-124
				ESCALA:NONE	HOJA: 1

