

# PRODUCT INFORMATION PACKET



Model No: US1036NB  
Catalog No: US1036NB  
1/3 HP Unit Heater Motor, 1075 RPM, 115 Volts, 48 Frame, TEAO  
Unit Heater Motors



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**Nameplate Specifications**

Output HP	<b>1/3 Hp</b>	Output KW	<b>0.25 kW</b>
Frequency	<b>60 Hz</b>	Voltage	<b>115 V</b>
Current	<b>5.3 A</b>	Speed	<b>1075 rpm</b>
Service Factor	<b>1</b>	Phase	<b>1</b>
Duty	<b>Air Over</b>	Insulation Class	<b>A</b>
Frame	<b>48Y</b>	Enclosure	<b>Totally Enclosed</b>
Thermal Protection	<b>Automatic</b>	Ambient Temperature	<b>40 °C</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>N</b>	Number of Speeds	<b>1</b>

**Technical Specifications**

Electrical Type	<b>Permanent Split Capacitor</b>	Starting Method	<b>Across The Line</b>
Poles	<b>6</b>	Rotation	<b>Reversible</b>
Mounting	<b>Resilient Rings</b>	Motor Orientation	<b>Horizontal</b>
Drive End Bearing	<b>Sleeve</b>	Opp Drive End Bearing	<b>Sleeve</b>
Frame Material	<b>Rolled Steel</b>	Shaft Type	<b>Flat</b>
Overall Length	<b>8.10 in</b>	Frame Length	<b>4.00 in</b>
Shaft Diameter	<b>0.500 in</b>	Shaft Extension	<b>3 in</b>
Connection Drawing	<b>614131-124</b>	Outline Drawing	<b>US1036NB-S01</b>

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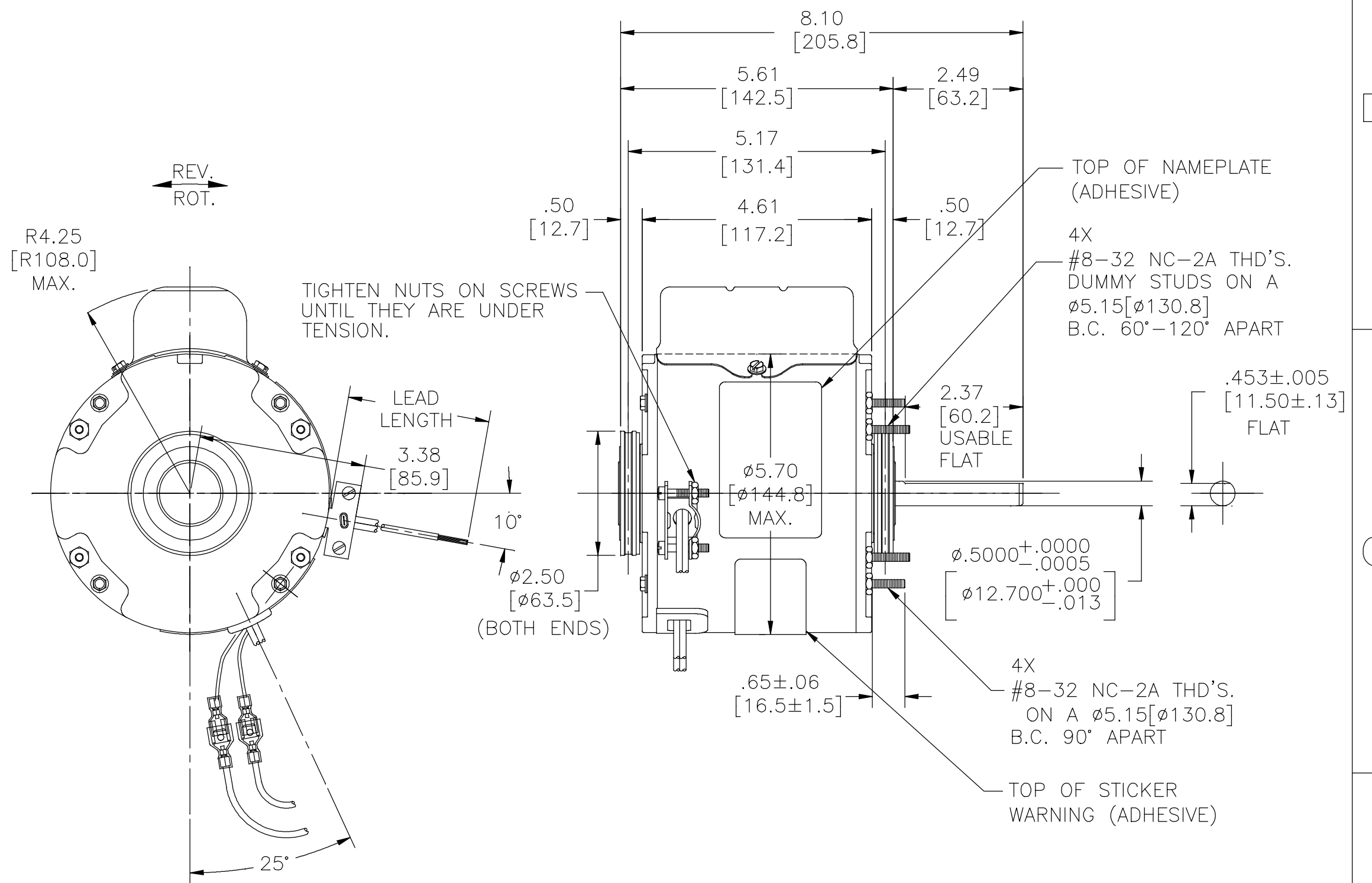
GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER INCH LENGTH OF EXTENSION.  
 END PLAY: .010[.25] TO .063[1.60]  
 BEARINGS: SLEEVE  
 MOUNTING POSITION: HORIZONTAL

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 032)

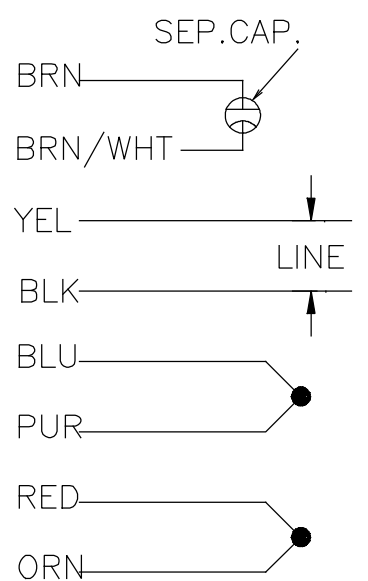
LEADS: NO. 18 GA., .03[.8] THK. XLP, 125°C INSUL.



NAMEPLATE DATA:

MODEL NO.: F48E60A01  
 CUST. P/N: US1036NB  
 HP: 1/3  
 ROT.: REVERSIBLE  
 RPM: 1075  
 TYPE: UF  
 FRAME: 48Y  
 VOLTS: 115  
 PH: 1  
 AMPS: 5.3  
 HZ: 60  
 INS.: A  
 AMB.: 40° C  
 DUTY: AIR OVER  
 CAP.: 5 MFD/370V  
 ENCL: ENCLOSED  
 CSA LOGO  
 UL LOGO  
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



SHOWN FOR CCWLE ROT.  
 FOR CWLE INTERCHANGE  
 PUR. & ORN LEADS

614131-124

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C31027	33.3 OZ. FT.	93AC451B	E46412	PRGY2	LR43341	4211-01

BLUE	5.0/7.0 [127/178]	PRE-INSUL. FEMALE SPADE TERM.
PURPLE	5.0/7.0 [127/178]	PRE-INSUL. MALE TAB TERM.
RED	5.0/7.0 [127/178]	PRE-INSUL. FEMALE SPADE TERM.
ORANGE	5.0/7.0 [127/178]	PRE-INSUL. MALE TAB TERM.
BROWN/WHITE	CONNECTED TO CAPACITOR	.25[6.4] FLAG
BROWN	CONNECTED TO CAPACITOR	.25[6.4] FLAG
BLACK	58.0/62.0 [1473/1575]	.60[15.2] SKIN
YELLOW	58.0/62.0 [1473/1575]	.60[15.2] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

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

ENCLOSURE

CUSTOMER	DISTRIBUTION SERVICE
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NOTE:  
 (1) MOTOR SHIPPED CONNECTED FOR CCWLE ROTATION.

DRAWING REVISION	REVISION BY	DATE
G	NANCY LIU	10-18-2018
ECO	APPROVED BY	DATE
ECO-0155006	TRICIA NIEDERHOLTMAYER	10-18-2018
ECO DESCRIPTION SEE ECO		

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DRAWN BY:	C.ZHANG
DATE:	02-16-2012
APPROVED BY:	B.C.SHEN
DATE:	02-16-2012
PROCESS/FINISH	

**REGAL**™ Regal Beloit America, Inc.

DESCRIPTION  
 MODEL-RFHP-48FR  
 OUTLINE

THIRD ANGLE PROJECTION	SIZE DWG NO	SHEET
	C US1036NB	1

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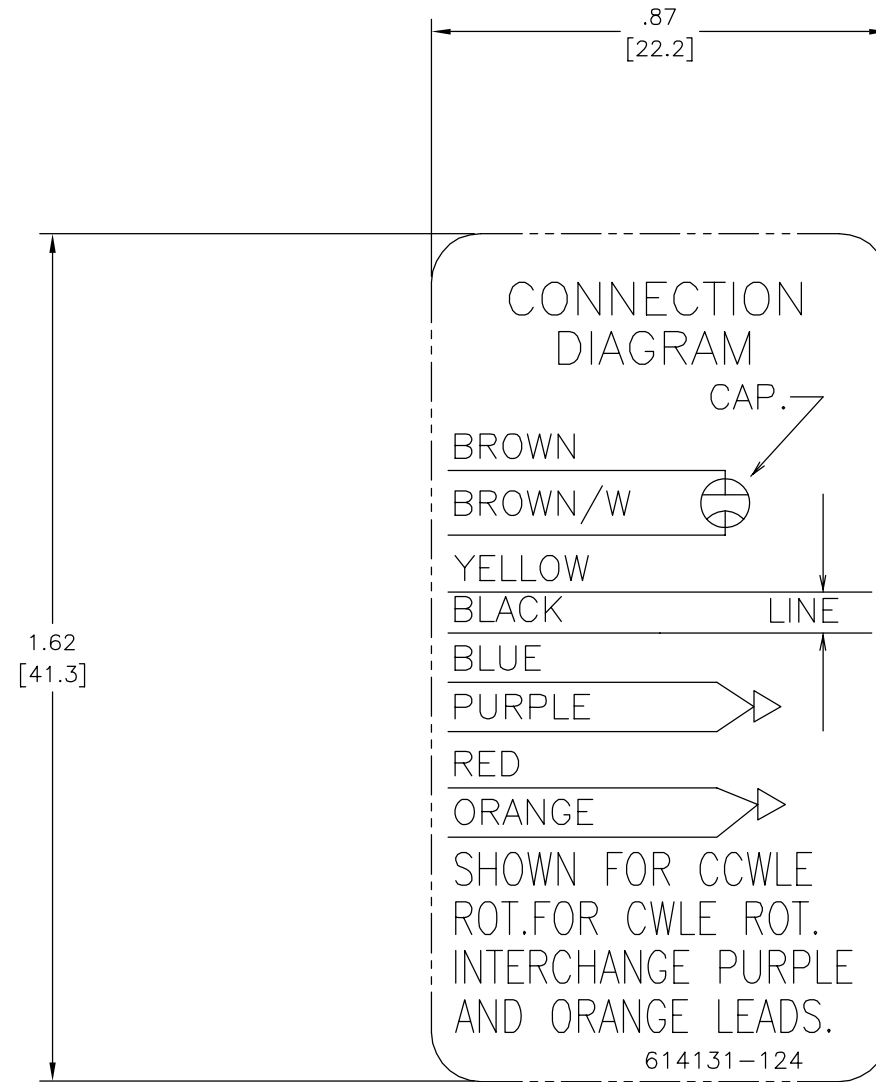
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REV	ECO	REV BY	DATE	APPD	DATE
B	0006254	H. MARTINEZ	05-18-2009	J. ORTEGA	05-18-2009

D  
C  
B  
A

D  
C  
B  
A



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

UNLESS OTHERWISE SPECIFIED  
DIM. TOLERANCES ARE AS FOLLOWS:

INCH X XX XXX XXXX  
mm ±0.1 ±0.02 ±0.005 ±0.0005  
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
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	<b>ELECTRICAL PRODUCTS COMPANY</b> <small>A DIVISION OF A. O. SMITH CORPORATION</small>
DESCRIPTION CONN DIAGRAM-EXTERNAL	
SIZE C	DWG NO 614131-124
SCALE NONE	SHEET 1

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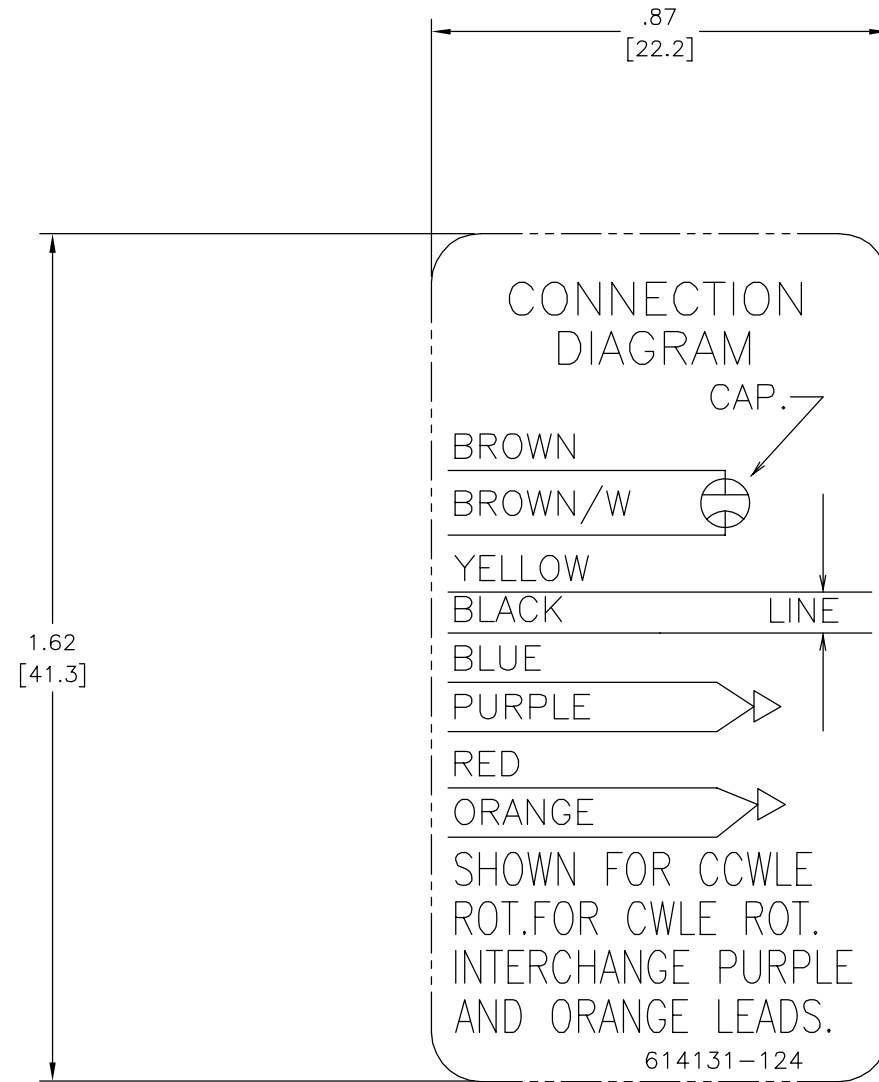
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0006254	H. MARTINEZ	05-18-2009	J. ORTEGA	05-18-2009

D  
C  
B  
A

D  
C  
B  
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  $\pm 0.5$   $\pm 0.13$   $\pm 0.013$

ANG.  $\pm 50$  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  $\frac{1}{25}$  mm 3.2

DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR:	R.LEWIS	8-27-1985
APROBADO POR:		
TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F
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DESCRIPCION:			
TAMAÑO: C	NUMERO DE DIBUJO: 614131-124		
ESCALA: NONE			HOJA: 1

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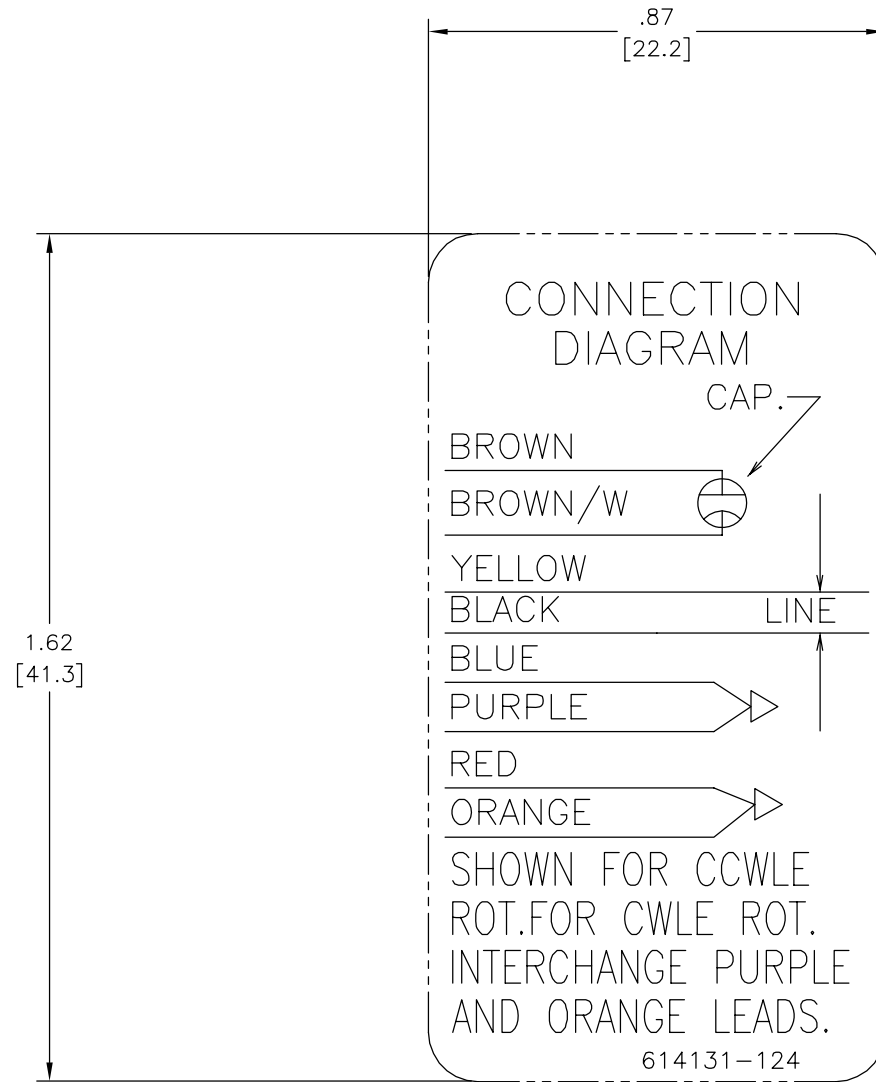
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版本	ECO	编制	日期	批准	日期
B	0006254	H. MARTINEZ	05-18-2009	J. ORTEGA	05-18-2009



形位公差
□ 平面度
— 直线度
∠ 倾斜度
⊥ 垂直度
// 平行度
○ 圆度
⊘ 圆柱度
△ 面轮廓度
∩ 线轮廓度
↗ 圆跳动
⊕ 位置度
⊙ 同轴度
≡ 对称度

除另有注明 尺寸公差如下:
英寸 X ±.1 XX ±.02 XXX ±.005 XXXX ±.0005
毫米 ±0.5 ±0.13 ±0.013
角度 ±.50 度
清理毛刺和尖棱
英寸 .003-.015 毫米 0.1-0.4
内圆角
英寸 .020 毫米 0.5
表面粗糙度
英制 125 米制 3.2
米制尺寸显示在 [ ]

绘图:	R.LEWIS	8-27-1985
批准:		
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名称			
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比例	NONE	页号	1

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