

# PRODUCT INFORMATION PACKET



Model No: F1038

Catalog No: F1038

Condenser Fan Motor, 1/3 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 1 Speed, 48 Frame, SEMI ENCL



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**Nameplate Specifications**

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	208-230 V
Speed	825 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Efficiency	67 %
Ambient Temperature	60 °C	Frequency	60 Hz
Current	1.9 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	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	11.30 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Outline Drawing	F48E03A01-S01	Connection Drawing	614131-043

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GENERAL INFORMATION:

SHAFT RUNOUT: .001[.025] T.I.R. PER INCH LENGTH OF EXTENSION

BEARINGS: 201 BALL

MOUNTING POSITION: ALL ANGLE

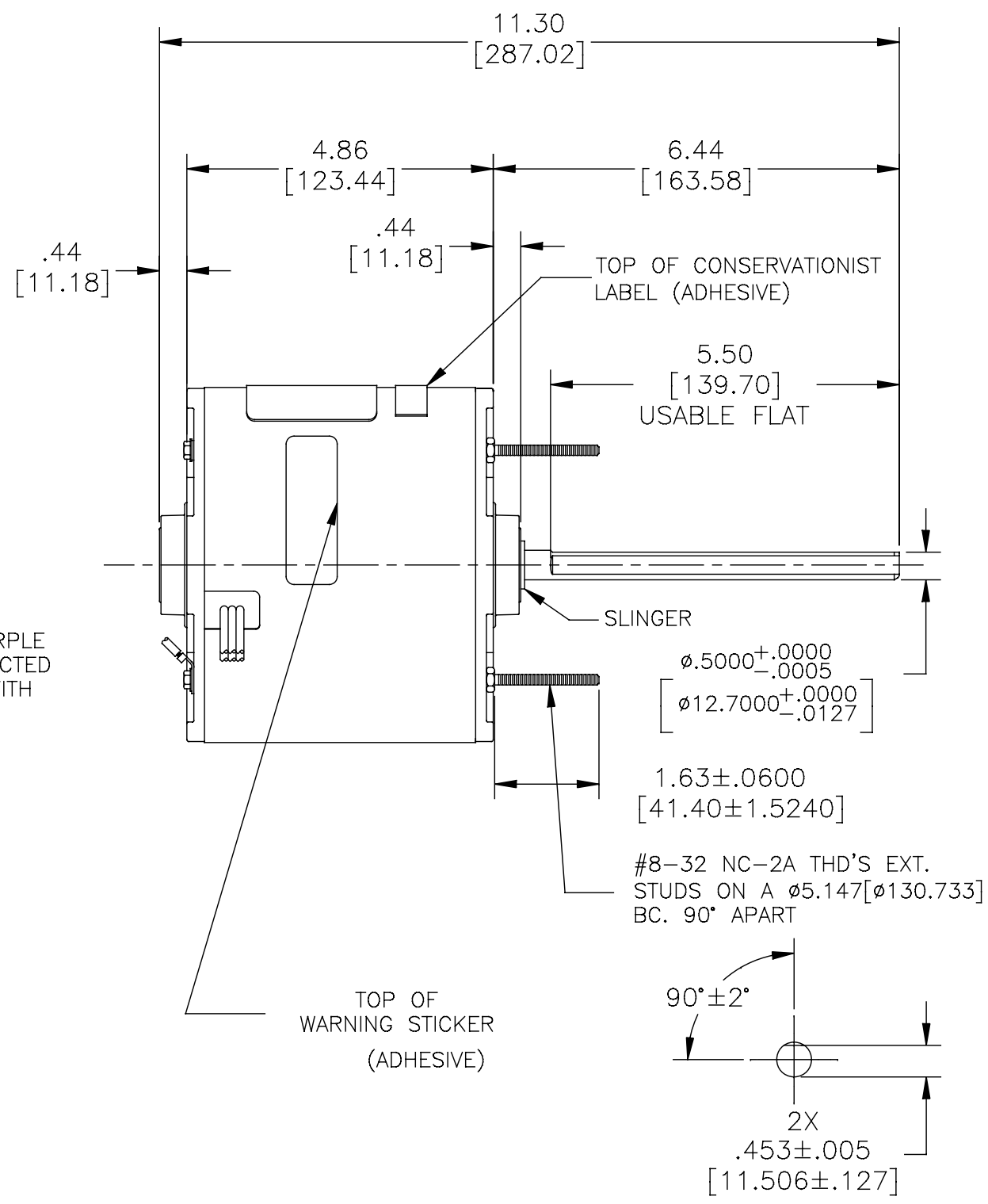
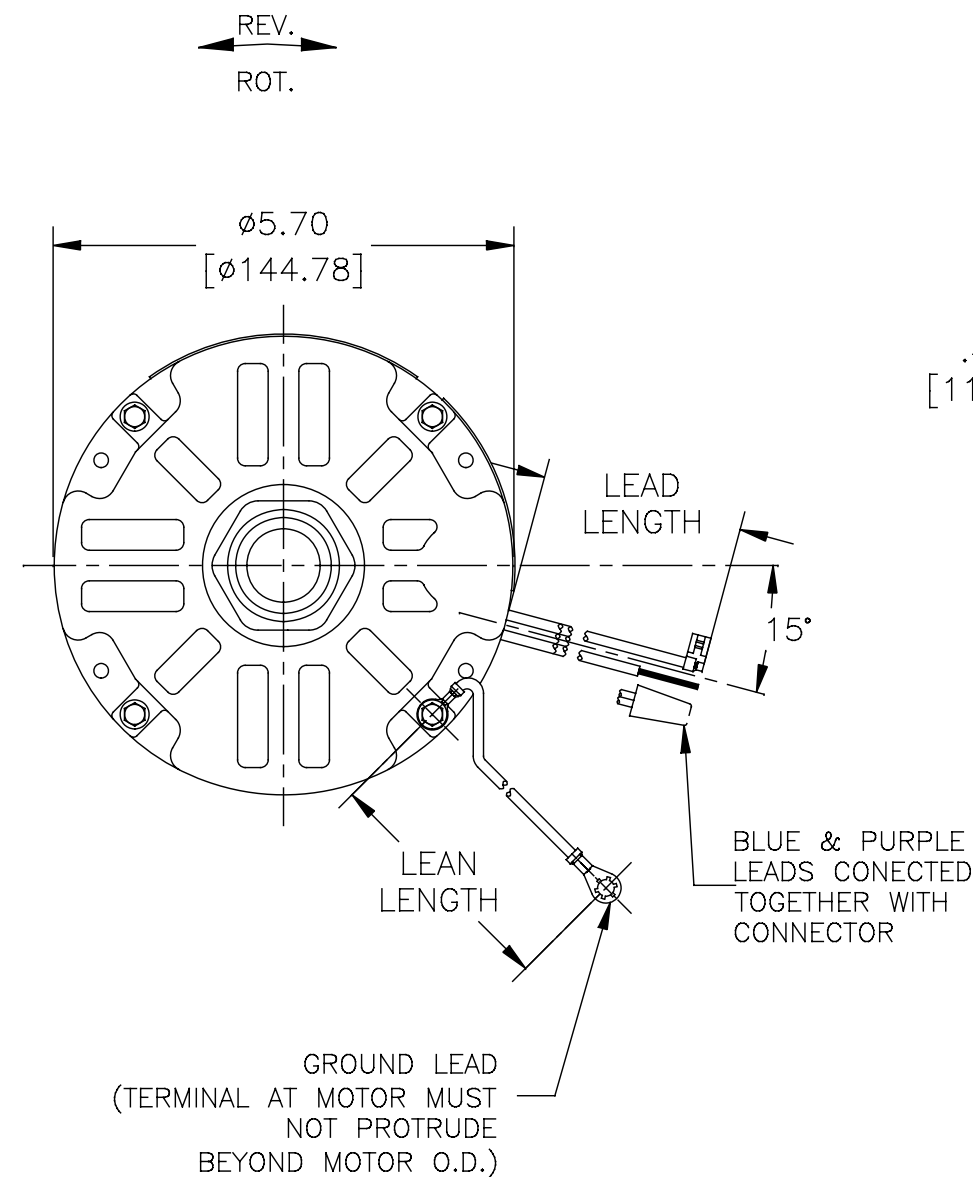
ELECTRICAL DATA:

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

LEADS: NO. 18 GA., .06[1.52] THK. PVC 105°C INSUL.

REVERSING LEADS: NO. 18 GA., .03 [.76] THK. 125°C INSUL.

GROUND LEAD: NO. 18 GA., .03 [.76] THK. GREEN INSUL.



NOTE:  
1. DISTRIBUTION CUST. P/N: F1038  
GRAINGER CUST. R/N: 4MB29

NAMEPLATE DATA:

MODEL NO.: F48E03A01

CUST. P/N: [ ]

HP: 1/3

ROT.: REV.

RPM: 825

TYPE: UF

FRAME: 48Y

VOLTS: 208-230

PH: 1

AMPS: 1.9(2.6 MAX.)

HZ: 60

INS.: B

AMB.: 60°C

DUTY: AIR OVER

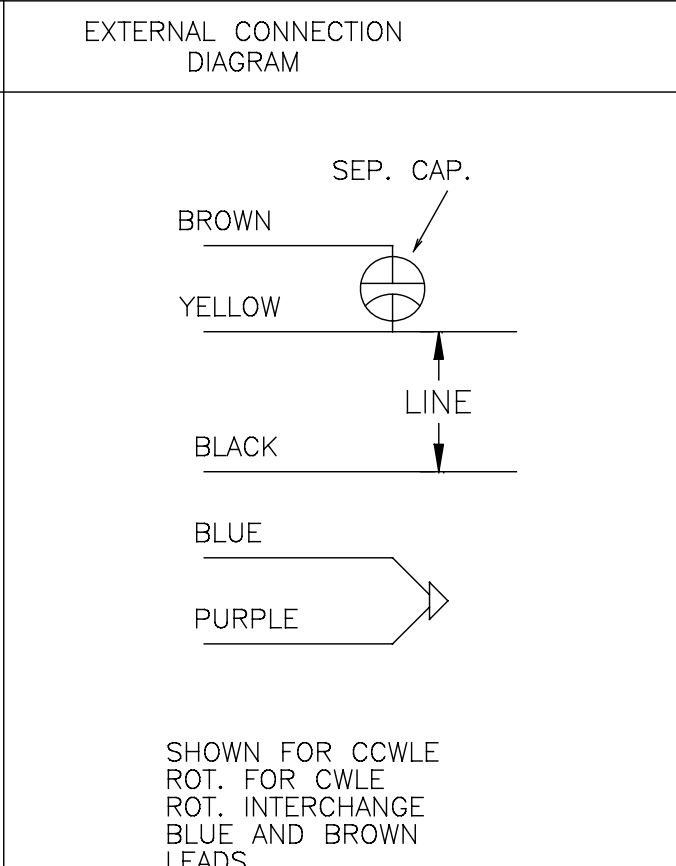
CAP.: 7.5 MFD/370 V

ENCL: SEMI-ENCL

UL LOGO

CSA LOGO

THERMALLY PROTECTED



COLOR	LENGTH	TERMINAL OR STRIP LENGTH
GRN(GRD)	12.0/13.0 [304.8/330.2]	10# EYELET
BROWN	26.0/28.0 [660.4/711.2]	.25[6.35] FLAG
YELLOW	26.0/28.0 [660.4/711.2]	.75[19.05] STRIP
BLACK	26.0/28.0 [660.4/711.2]	.75[19.05] STRIP
PURPLE	26.0/28.0 [660.4/711.2]	.75[19.05] STRIP
BLUE	26.0/28.0 [660.4/711.2]	.75[19.05] STRIP

MAIN FRAME - OLE	ENCLOSURE.
END FRAME - OLE	ENCLOSURE.
MAIN FRAME - LE	ENCLOSURE.
END FRAME - LE	OPEN

PERFORMANCE CURVE NO.	TORQUE @825RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C30806	36.6 OZ. FT.	93AC162A	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION	REVISION BY	DATE
C	J.CHAI	10-30-2015
ECO	APPROVED BY	DATE
ECO-0087930	-	10-30-2015
ECO DESCRIPTION SEE ECO		

DRAWN BY:	
DATE:	
APPROVED BY:	
DATE:	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	

**REGAL™ Regal Beloit America, Inc.**

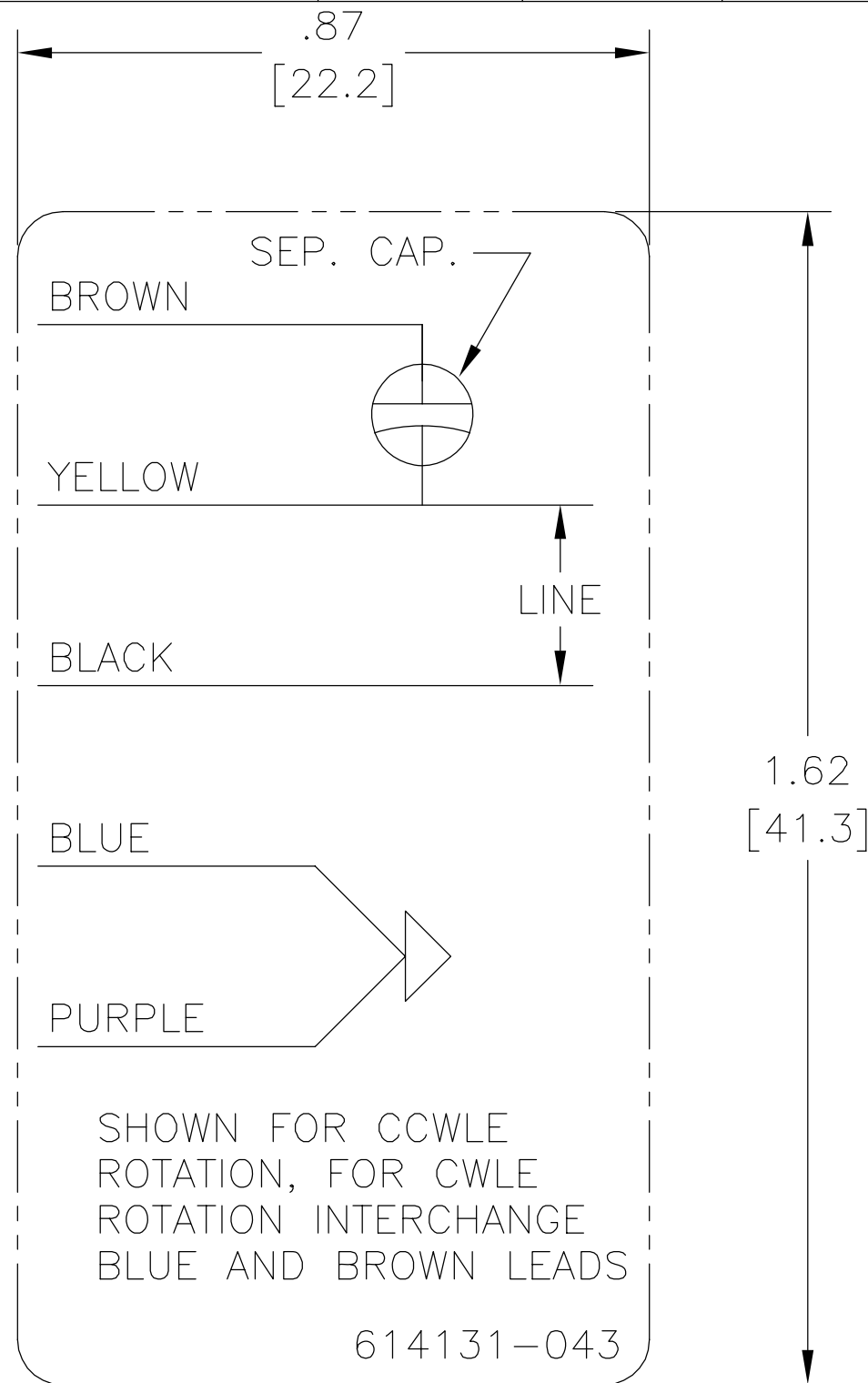
DESCRIPTION: MODEL-RFHP-48FR OUTLINE

MATERIAL:

SIZE DWG NO: F48E03A01

SHEET: 1

REV	ECO	REV BY	DATE	APPD	DATE
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011



NOTES:

1. FOR USE WITH 614129 NAMEPLATE BLANK
2. — — — — — INDICATES DIMENSION LIMITS
3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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	±.1	±.02	±.005	±.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

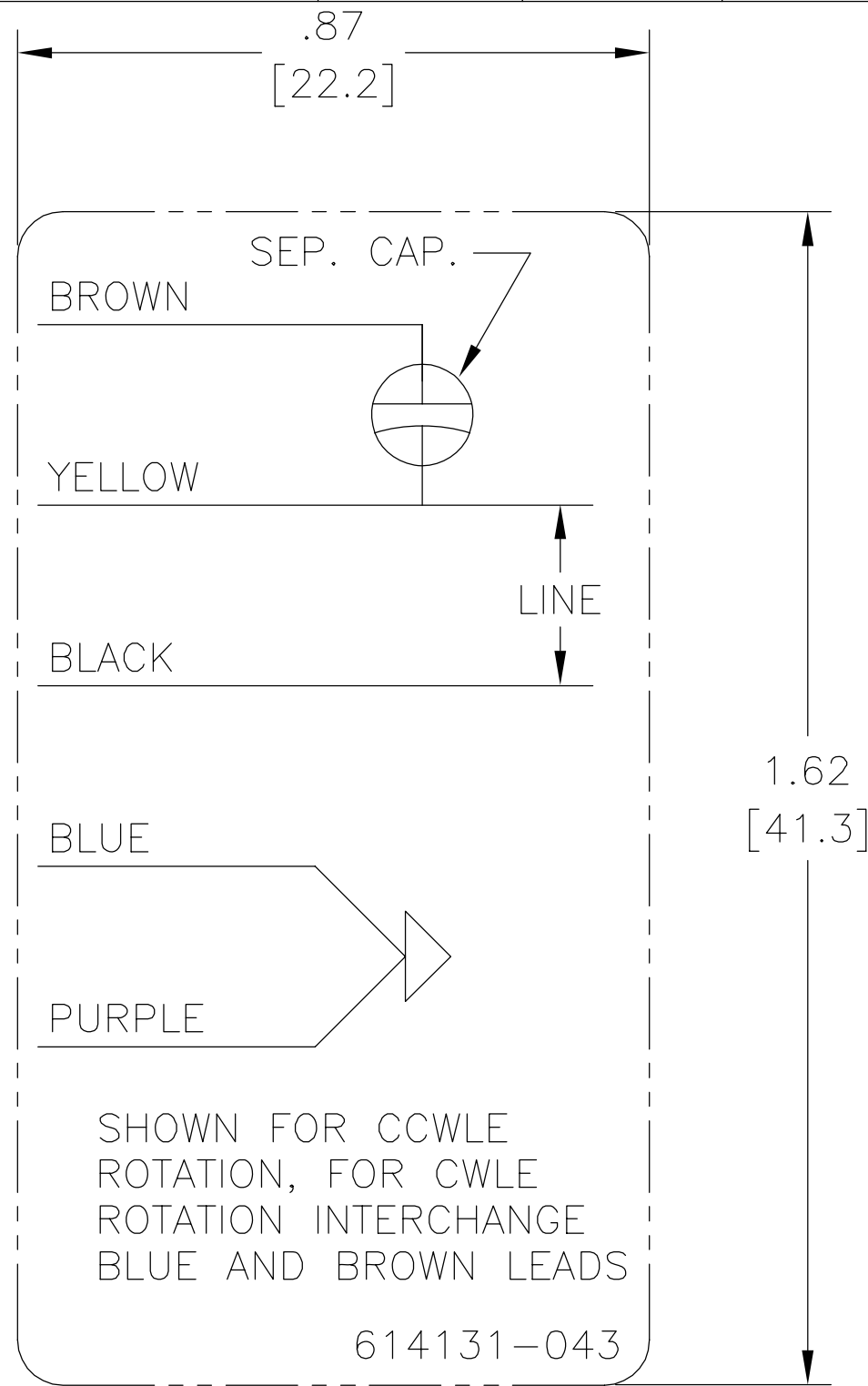
MACHINE SURFACES:  
INCH 125 mm 3.2

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	11-04-2011
APPD:	jrupert	11-04-2011
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 NAMEPLATE			
SIZE	A	DWG NO	614131-043
SCALE	NONE	SHEET	1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011



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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:

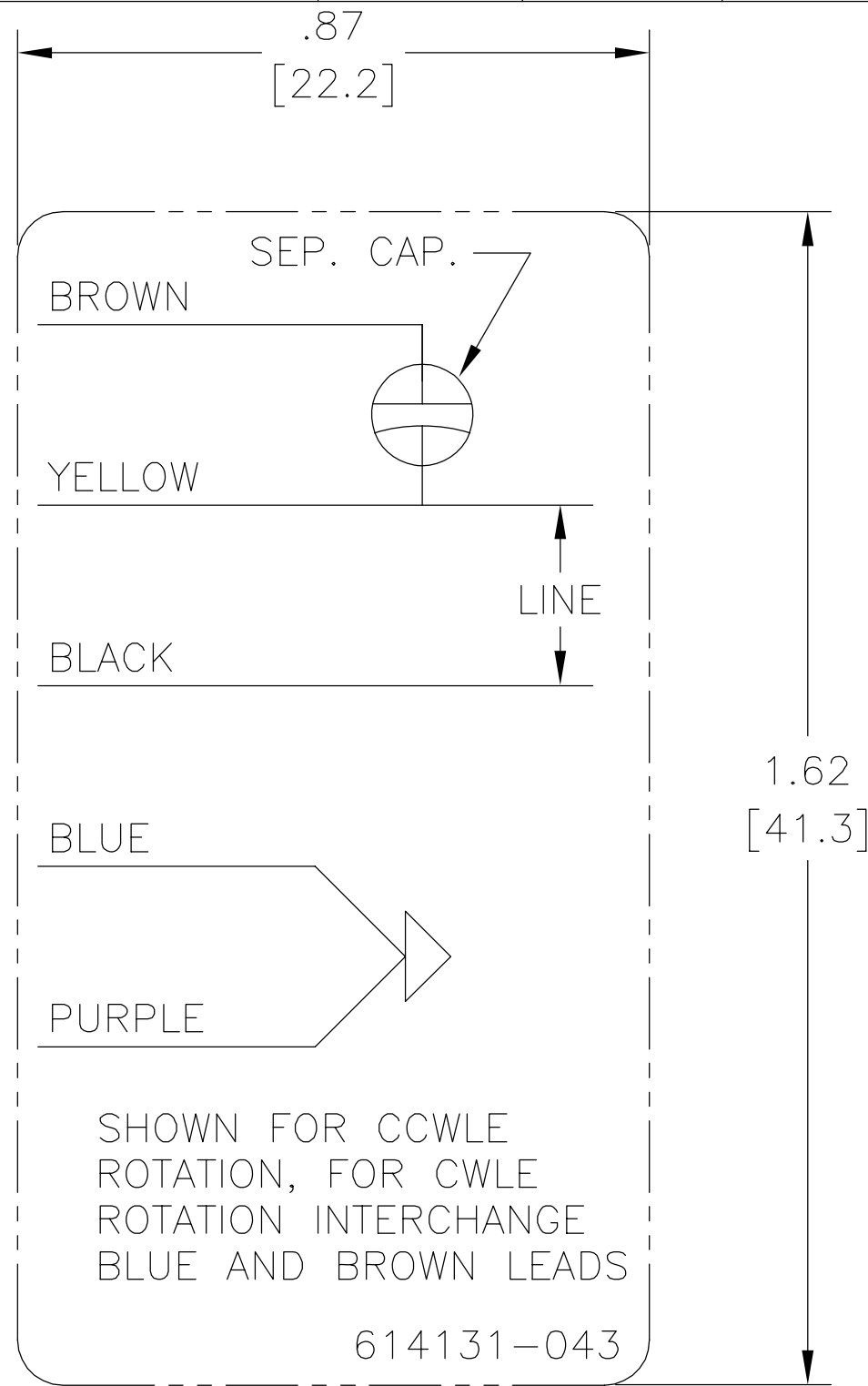
PULG	±.1	±.02	±.005	±.0005
mm	±0.5	±0.13	±0.013	

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 125 mm 3.2  
 DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR:	jrupert	11-04-2011
APROBADO POR:	jrupert	11-04-2011
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 02-22-2008 REV. FORMATO: F
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DESCRIPCION: CONN DIAGRAM NAMEPLATE	
TAMAÑO: A	NUMERO DE DIBUJO: 614131-043
ESCALA: NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
F	ECO-0023184	jrupert	11-04-2011	jrupert	11-04-2011



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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 XX XXX XXXX ±.1 ±.02 ±.005 ±.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 [ ]
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绘图:	jrupert	11-04-2011
批准:	jrupert	11-04-2011
第三角投影		图纸格式发布日期 02-22-2008 图纸格式版本 F
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ASME Y14.5M 1994		

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名称	CONN DIAGRAM NAMEPLATE
图幅	A
图号	614131-043
比例	NONE
页号	1