

PRODUCT INFORMATION PACKET



Model No: OHS9983

Catalog No: OHS9983

OEM Replacement Motor, 1/2 HP, 1 Ph, 60/50 Hz, 208-230 V, 1725 RPM, 1 Speed, 48 Frame, OPEN



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Nameplate Specifications

Output HP	1/2 Hp	Output KW	0.37 kW
Frequency	50 Hz	Voltage	208-230 V
Current	2.7 A	Speed	1725 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	A
Frame	48Y	Enclosure	Open Enclosed
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Clockwise Lead End
Mounting	Extended Studs	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.61 in	Frame Length	4.63 in
Shaft Diameter	0.500 in	Shaft Extension	3.5 in
Outline Drawing	11891-150-S01	Connection Drawing	614131-032

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REV	ECO	REV BY	DATE	APPD	DATE
C	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

GENERAL INFORMATION:

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

BEARINGS: 201 BALL

MOUNTING POSITION: HORIZONTAL

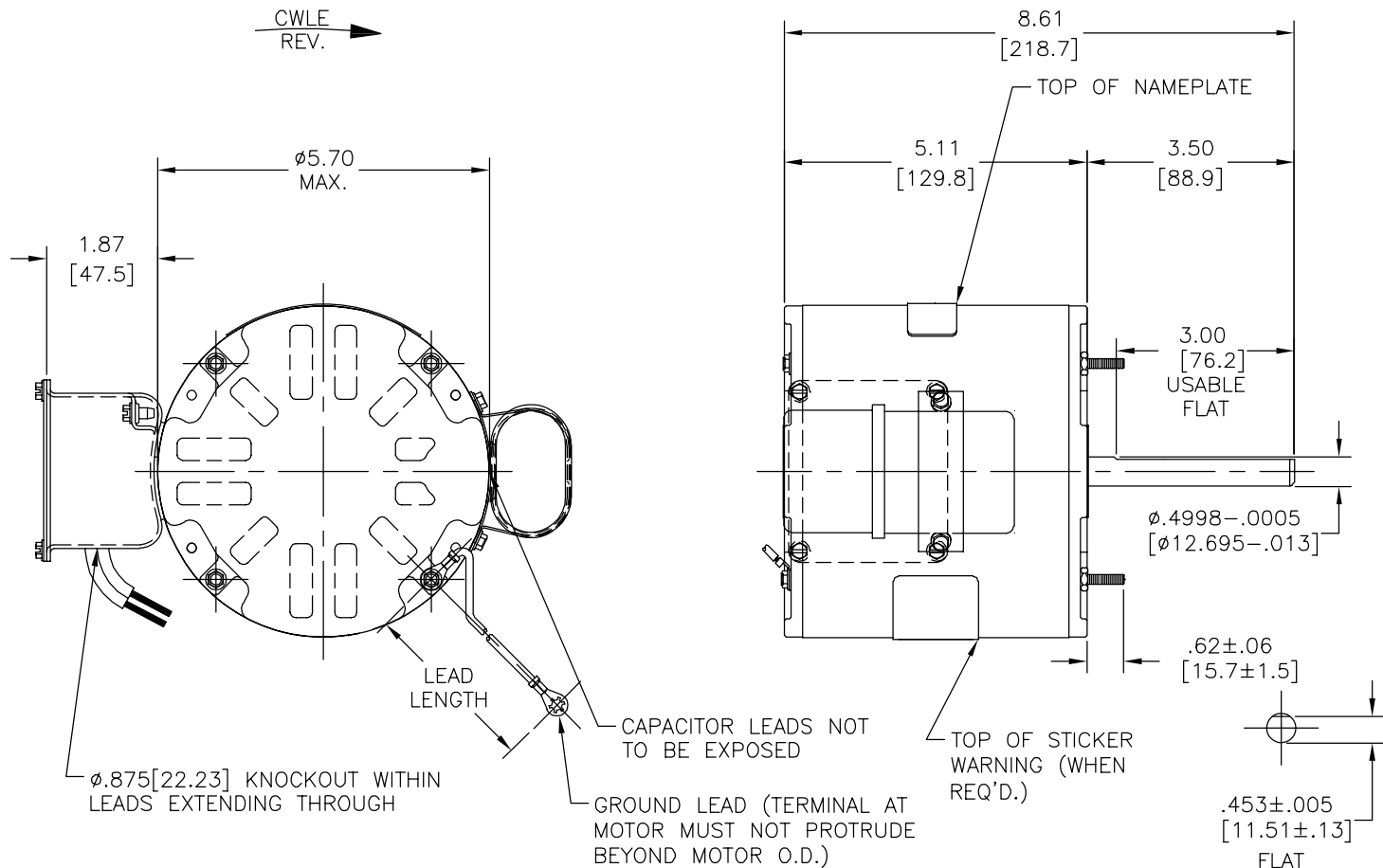
ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 034)

LINE LEADS: NO. 16 GA., .06 [1.5] THK. PVC 125°C INSUL.

CAPACITOR LEADS: NO. 18 GA., .06 [1.5] THK. PVC 125°C INSUL.

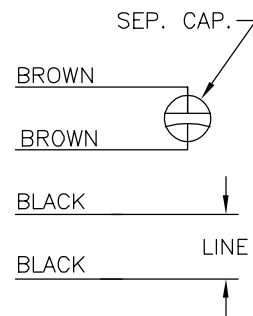
GROUND LEAD: NO. 16 GA., .03 [.8] THK. (GREEN) INSUL.



NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48W60A01
 CUST. P/N: OHS9983
 HP: 1/2
 ROT.: CWLE
 RPM: 1725
 TYPE: UF
 FRAME: 48Y
 VOLTS: 208-230
 PH: 1
 AMPS: 2.7
 HZ: 50/60
 INS.: A
 AMB.: 40°C
 DUTY: AIR OVER
 CAP.: 5 MFD/370 V
 ENCL: OPEN
 UL LOGO
 CSA LOGO
 THERMALLY PROTECTED



614131-032

PERFORMANCE CURVE NO.	TORQUE @ 1725 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE#	GUIDE#	FILE#	GUIDE#
C32501	17.3 OZ.-FT.	0441055C	E46412	PRGY2	LR43341	4211-01

GREEN (GRD)	11.0/13.0 [279/330]	#10 EYELET
BLACK	36.0/38.0 [914/965]	.50 [12.7] STRIP
BLACK	36.0/38.0 [914/965]	.50 [12.7] STRIP
BROWN	3.0/4.0 [76/102]	.25 [6.4] FLAG
BROWN	3.0/4.0 [76/102]	.25 [6.4] FLAG
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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

CUSTOMER	DISTRIBUTION SERVICES
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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

ASME Y14.5M 1994

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

DR BY: K. KUGEL 08-23-2005
 APPD: G. PIATT 09-28-2005
 EDS DATE 11-11-2011
 FORMAT REV G

THIRD ANGLE PROJECTION

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DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
SIZE C	DWG NO 11891-150
SCALE NONE	SHEET 1

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1

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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
C	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

INFORMACION GENERAL:

OSCILACION DE FLECHA: .001 [.03] L.T.I POR PULG. DE LONG. DE EXT.

BALEROS: 201 BALINES

POSICION DEL MONTAJE: HORIZONTAL

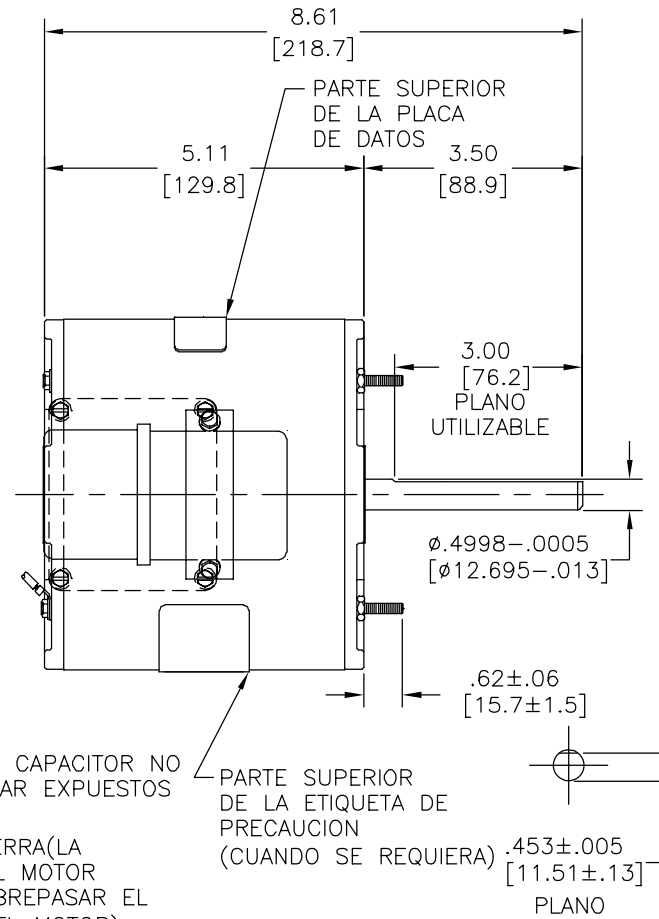
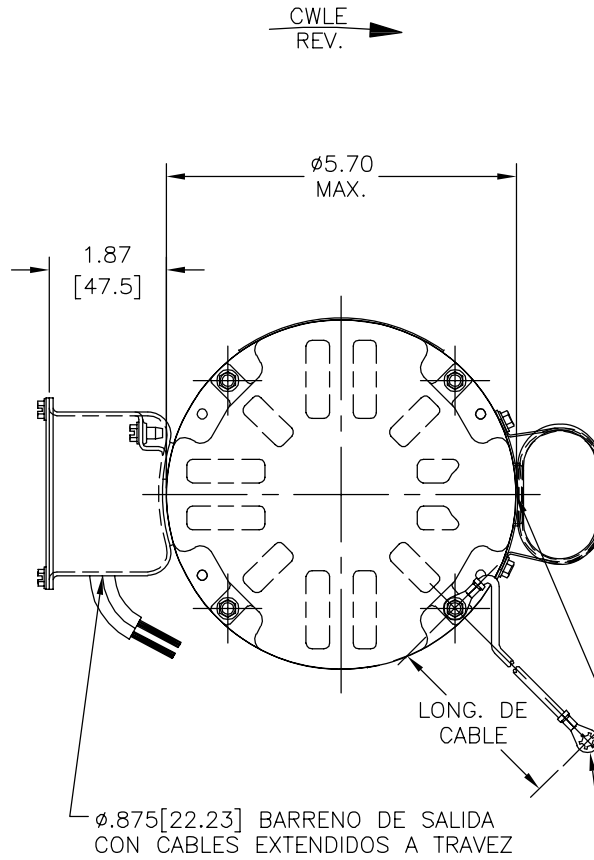
INFORMACION ELECTRICA:

SOBRECARGA DEL PROTECTOR: REINICIO AUTOMATICO (T.I. 7AM 034)

CABLES: NO. 16 GA., .06 [1.5] GROSOR PVC 125°C AISLA.

CABLE DE CAPACITOR: NO. 18 GA., .06 [1.5] GROSOR PVC 125°C AISLA.

CABLE DE TIERRA: NO. 16 GA., .03 [.8] GROSOR (VERDE) AISLA.

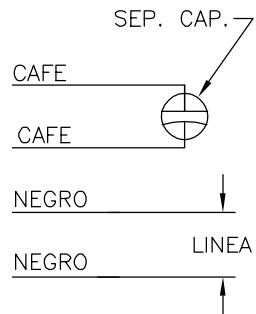


CABLES DE CAPACITOR NO DEBEN ESTAR EXPUESTOS
CABLE DE TIERRA(LA TERMINAL DEL MOTOR NO DEBE SOBREPASAR EL DIAM. EXT. DEL MOTOR)

INFORMACION DE ETIQUETA:

MODEL NO.: F48W60A01
CUST. P/N: OHS9983
HP: 1/2
ROT.: CWLE
RPM: 1725
TYPE: UF
FRAME: 48Y
VOLTS: 208-230
PH: 1
AMPS: 2.7
HZ: 50/60
INS.: A
AMB.: 40°C
DUTY: AIR OVER
CAP.: 5 MFD/370 V
ENCL: OPEN
UL LOGO
CSA LOGO
THERMALLY PROTECTED

DIAGRAMA DE CONEXION EXTRNA



614131-032

CURVAS DE FUNCIONAMIENTO	TORSION @1725 RPM (25°C)	MUESTRA APROBADA	COMPONENTE UL		CSA	
			#ARCHIVO	GUIA #	#ARCHIVO	GUIA #
C32501	17.3 OZ.-FT.	0441055C	E46412	PRGY2	LR43341	4211-01

VERDE(TIERRA)	11.0/13.0 [279/330]	OJAL #10
NEGRO	36.0/38.0 [914/965]	.50 [12.7] DESFORRE
NEGRO	36.0/38.0 [914/965]	.50 [12.7] DESFORRE
CAFE	3.0/4.0 [76/102]	.25 [6.4] BANDERA
CAFE	3.0/4.0 [76/102]	.25 [6.4] BANDERA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

DE CARCASA - OLE	CERRADO
DE TAPA - OLE	ABIERTO
DE CARCASA - LE	CERRADO
DE TAPA - LE	CERRADO

CLIENTE	DISTRIBUTION SERVICES
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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
 ASME Y14.5M 1994

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 DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: K. KUGEL 08-23-2005
 APROBADO POR: G. PIATT 09-28-2005
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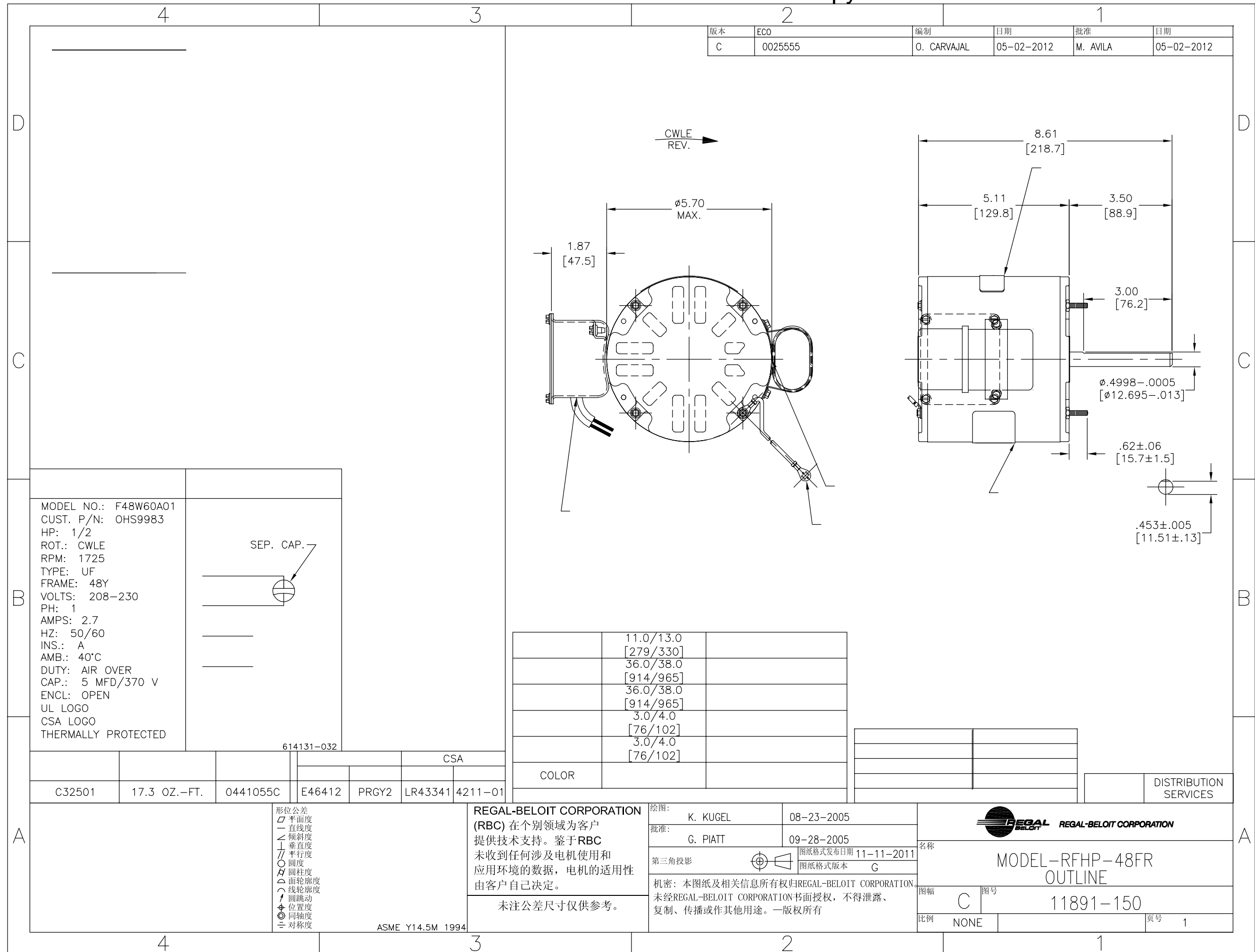
REGAL-BELOIT CORPORATION
 DESCRIPCION: MODEL-RFHP-48FR OUTLINE
 TAMAÑO: C NUMERO DE DIBUJO: 11891-150
 ESCALA: NONE HOJA: 1

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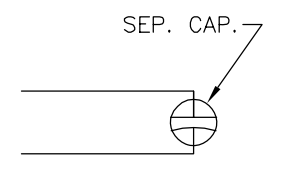
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版本	ECO	编制	日期	批准	日期
C	0025555	O. CARVAJAL	05-02-2012	M. AVILA	05-02-2012

MODEL NO.: F48W60A01
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 CSA LOGO
 THERMALLY PROTECTED



	11.0/13.0	
	[279/330]	
	36.0/38.0	
	[914/965]	
	36.0/38.0	
	[914/965]	
	3.0/4.0	
	[76/102]	
	3.0/4.0	
	[76/102]	
COLOR		

						CSA
C32501	17.3 OZ.-FT.	0441055C	E46412	PRGY2	LR43341	4211-01

- 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

ASME Y14.5M 1994

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未注公差尺寸仅供参考。

绘图: K. KUGEL 08-23-2005
 批准: G. PIATT 09-28-2005
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 图名: 电机格式发布日期 11-11-2011
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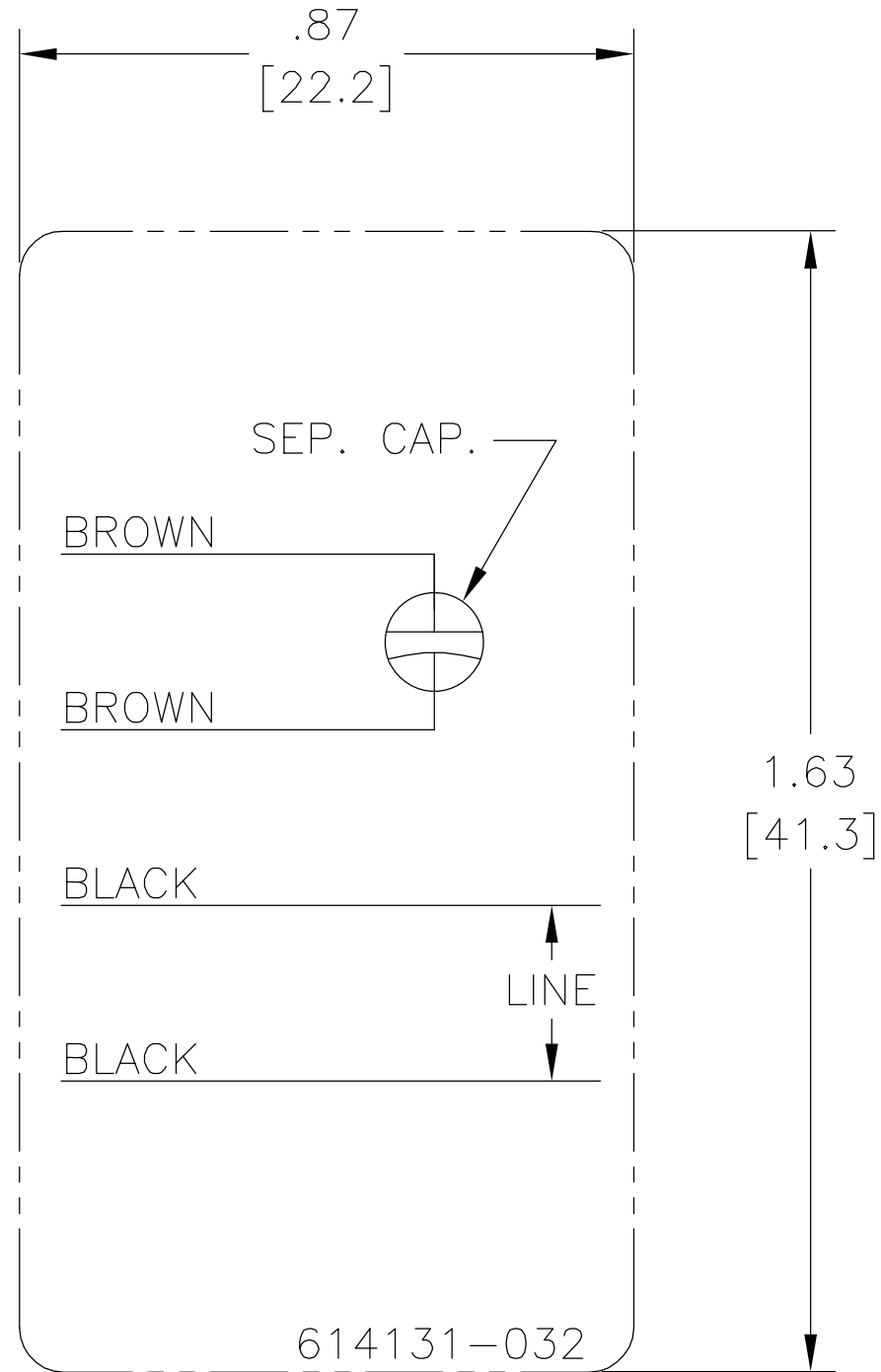
REGAL-BELOIT CORPORATION

名称: MODEL-RFHP-48FR OUTLINE

图幅: C 图号: 11891-150

比例: NONE 页号: 1

REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0022379	jrupert	09-21-2011	jrupert	09-21-2011



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	

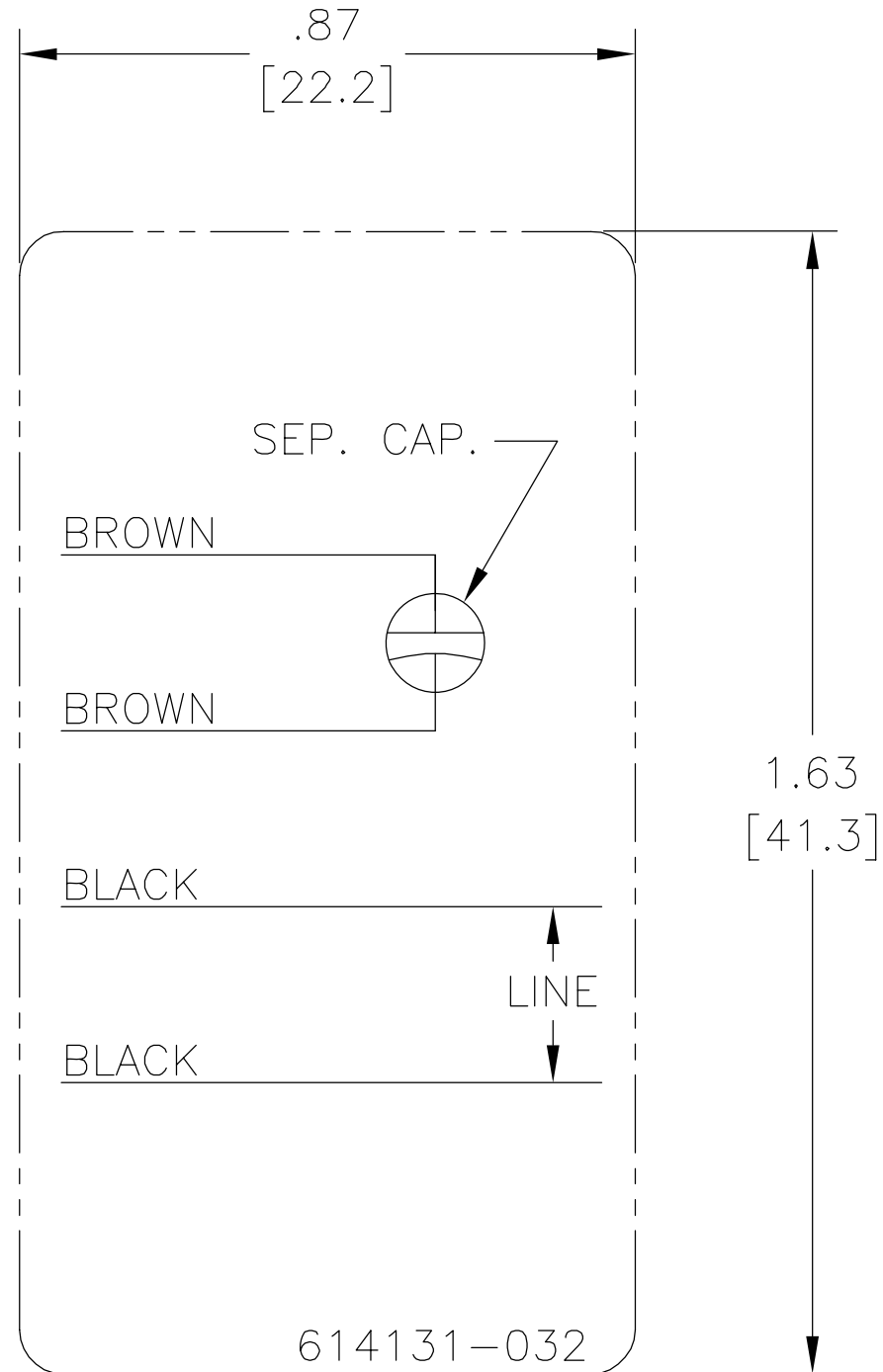
ANG. ±.50 DEG
REMOVE BURRS & BREAK SHARP EDGES:
INCH .003-.015 mm 0.1-0.4
CORNER FILLETS TO:
INCH .020 mm 0.5
MACHINE SURFACES:
INCH 125 mm 3.2

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	09-21-2011
APPD:	jrupert	09-21-2011
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM NAMEPLATE			
SIZE A	DWG NO 614131-032		
SCALE NONE			SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0022379	jrupert	09-21-2011	jrupert	09-21-2011



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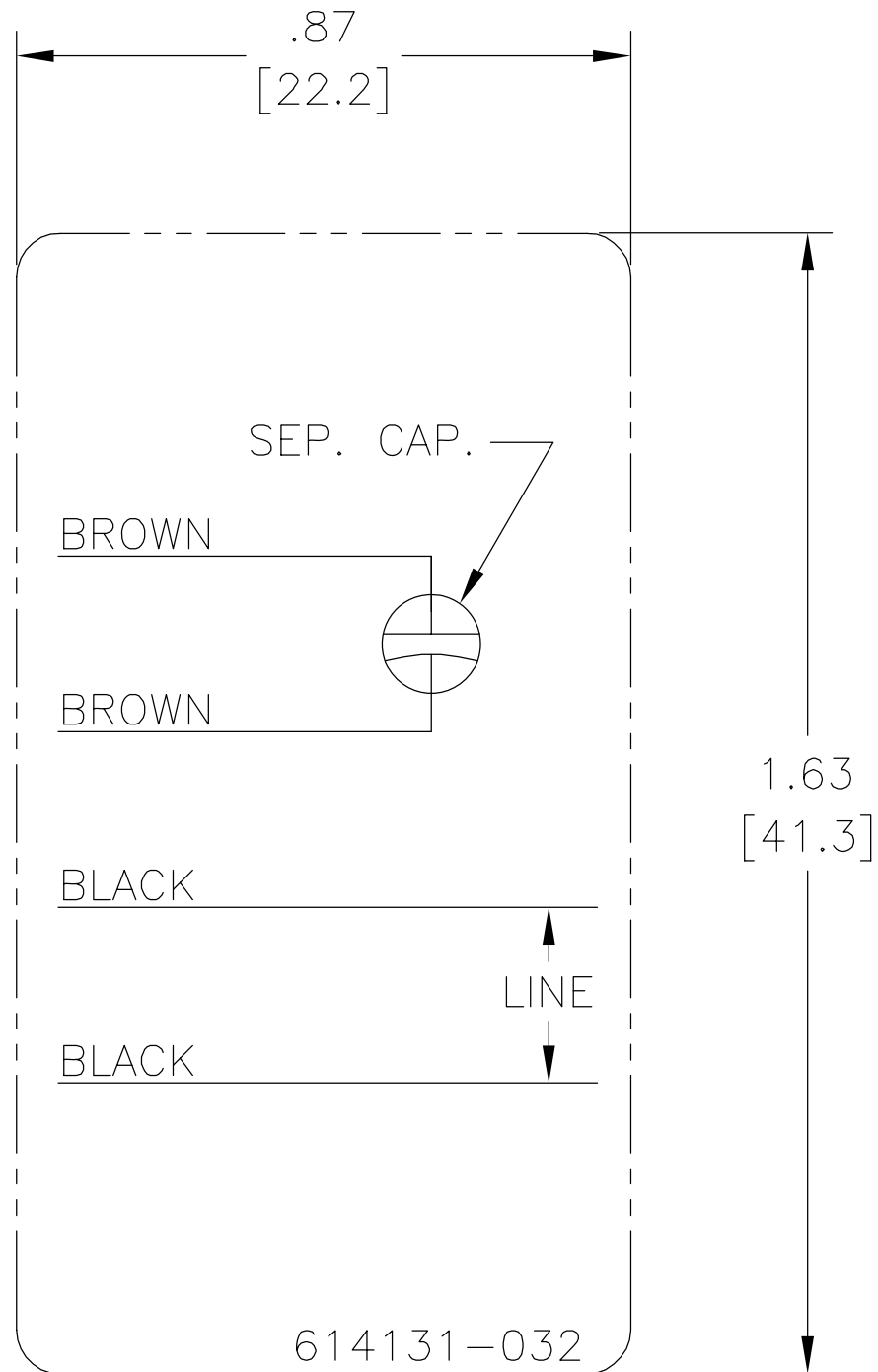
CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS ▯ PLANICIDAD — RECTITUD < ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD ∩ PERFIL DE CUALQUIER SUPERFICIE ∪ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD ≡ SIMETRIA

A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: X XX XXX XXXX 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	09-21-2011
APROBADO POR:	jrupert	09-21-2011
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 02-22-2008 REV. FORMATO: F
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		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPCION:			
CONN DIAGRAM NAMEPLATE			
TAMAÑO:	A	NUMERO DE DIBUJO:	614131-032
ESCALA:	NONE	HOJA:	1

版本	ECO	编制	日期	批准	日期
B	ECO-0022379	jrupert	09-21-2011	jrupert	09-21-2011



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4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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	09-21-2011
批准:	jrupert	09-21-2011
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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名称	CONN DIAGRAM NAMEPLATE
图幅	A
图号	614131-032
比例	NONE
页号	1