PRODUCT INFORMATION PACKET

Model No: FH1024
Catalog No: FH1024
Condenser Fan Motor, 1/4 HP, 1 Ph, 60 Hz, 460 V, 1625 RPM, 2 Speed, 48 Frame, SEMI ENCLOSED

Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	460 V
Current	.9 A	Speed	1625 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48Y	Enclosure	Semi Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	11.74 in	Frame Length	4.25 in
Shaft Diameter	0.500 in	Shaft Extension	6.4 in
Outline Drawing	FH1024-S01	Connection Drawing	614131-104

REV	ECO	REV BY	DATE	APPD	DATE
F	0024317	Y.LIU	03-12-2012	B.SHEN	03-12-2012

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 (SENSATA 7AM 036)

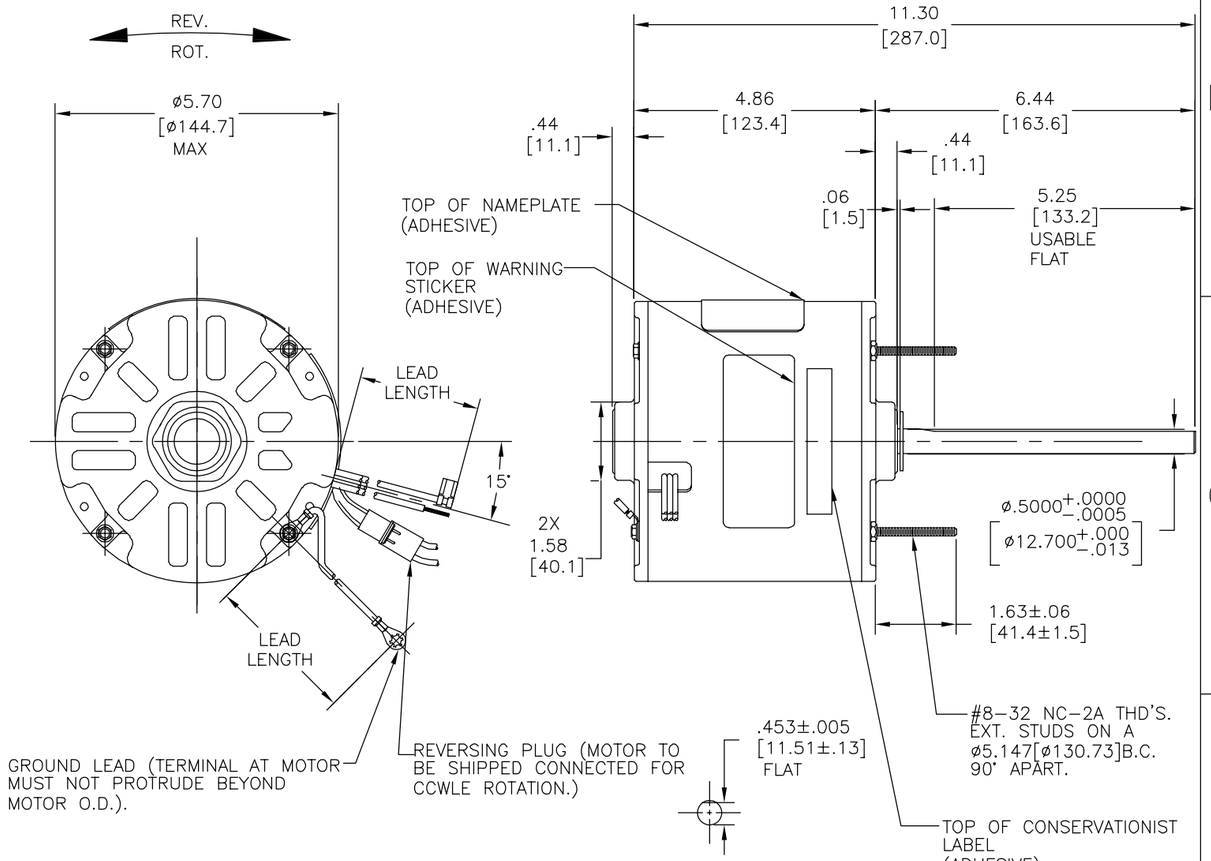
LEADS: NO. 18 GA., .06[1.5] THK. XLP 105°C INSUL.

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

GROUND LEAD: NO. 18 GA., .03[.8] THK., (GREEN) INSUL.

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48SJ4V2 CUST. P/N: FH1024 HP: 1/4 ROT.: REVERSIBLE RPM: 1625/2 SPD TYPE: UF FRAME: 48Y VOLTS: 460 PH: 1 AMPS: 0.9(1.2 MAX) HZ: 60 INS.: B AMB.: 60° C DUTY: AIR OVER CAP.: 5MFD/370V ENCL: SEMI-ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN YELLOW BLACK HI LINE RED LO ROTATION BLACK WHITE BLACK WHITE BLACK WHITE CCWLE WHITE BLACK CWLE 614131-104

PERFORMANCE CURVE NO.	TORQUE @ 1625 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	UL COMPONENT CCN #	CSA FILE #	CSA CLASS #
C23151	19.8 OZ. FT.	89AE921	E46412	PRGY2	LR43341	4211-01



LEAD DATA		
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
GREEN(GRD)	12.0/13.0 [305/330]	#10 EYELET
BLACK/WHITE	4.0/6.0 [102/152]	REVERSING PLUG
BROWN	26.0/28.0 [660/711]	.25[6.4] FLAG
YELLOW	26.0/28.0 [660/711]	.60[15] SKIN
BLACK	26.0/28.0 [660/711]	.60[15] SKIN
RED	26.0/28.0 [660/711]	.60[15] SKIN

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

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

ASME Y14.5M 1994

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

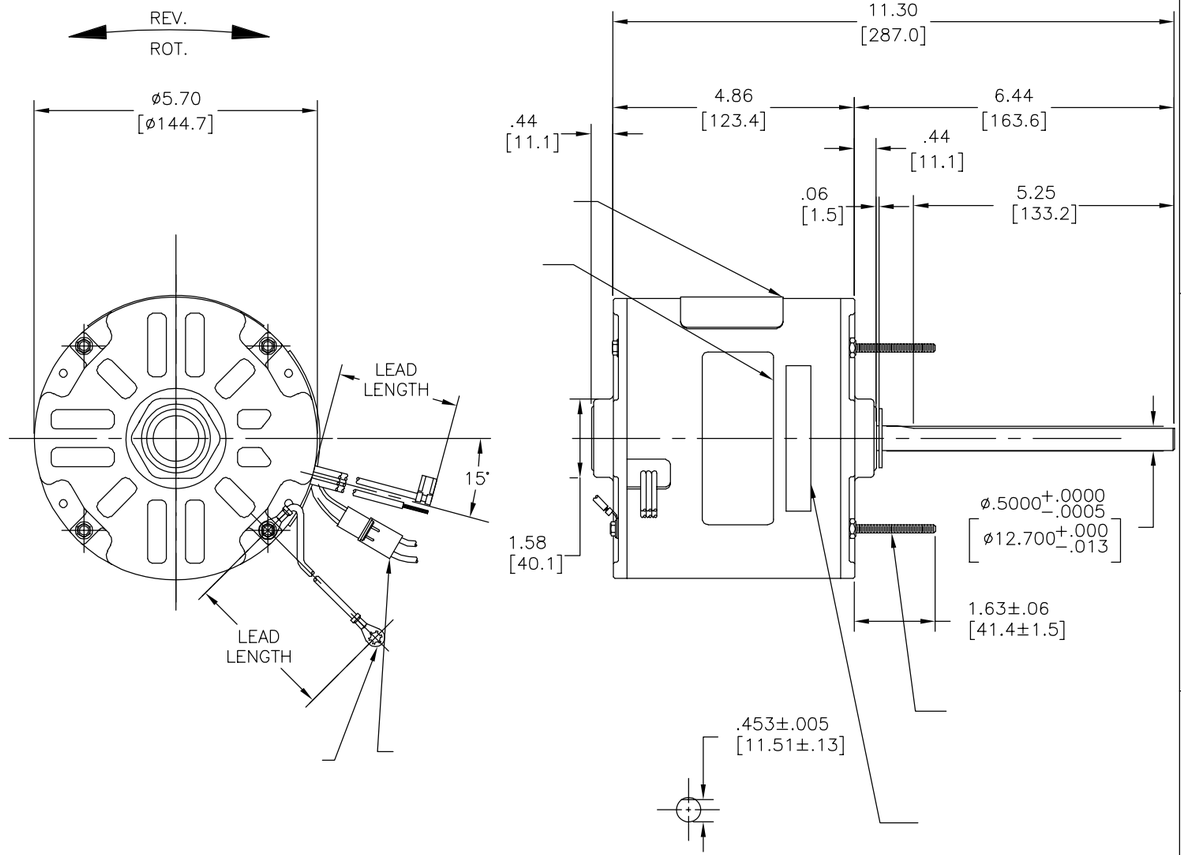
REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

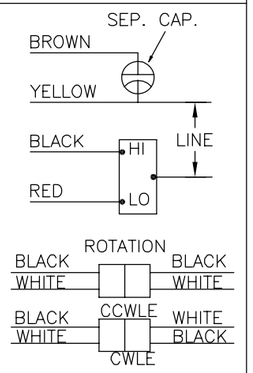
SIZE	DWG NO	SHEET
C	FH1024	1

SCALE NONE

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
F	0024317	Y.LIU	03-12-2012	B.SHEN	03-12-2012



MODEL NO.: F48SJ4V2
CUST. P/N: FH1024
HP: 1/4
ROT.: REVERSIBLE
RPM: 1625/2 SPD
TYPE: UF
FRAME: 48Y
VOLTS: 460
PH: 1
AMPS: 0.9(1.2 MAX)
HZ: 60
INS.: B
AMB.: 60° C
DUTY: AIR OVER
CAP.: 5MFD/370V
ENCL: SEMI-ENCLOSED
UL LOGO
CSA LOGO
THERMALLY PROTECTED



614131-104

	12.0/13.0 [305/330]
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	26.0/28.0 [660/711]
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	26.0/28.0 [660/711]

C23151	19.8 OZ. FT.	89AE921	E46412	PRGY2	LR43341	4211-01

DISTRIBUTION SERVICE

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

REGAL-BELOIT CORPORATION (RBC) PROVEE ASISTENCIA TECNICA A NUESTROS CLIENTES EN VARIAS AREAS. DESDE QUE RBC NO RECIBE TODOS LOS DATOS EN RELACION AL USO Y A LA APLICACION DEL MOTOR, LA APLICACION ADECUADA DEL MOTOR DEBE SER DETERMINADA POR EL CLIENTE.

DIMENSIONES SIN TOLERANCIA SON DE REFERENCIA SOLAMENTE

DIBUJADO POR: Y.LIU 03-12-2012
APROBADO POR: B.SHEN 03-12-2012
TERCER ANGULO DE PROYECCION
FECHA EDS: 11-11-2011
REV. FORMATO: G

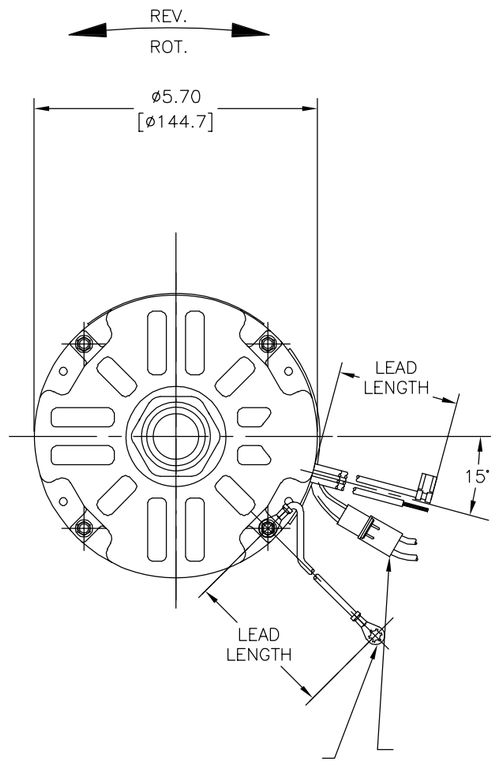
REGAL-BELOIT CORPORATION

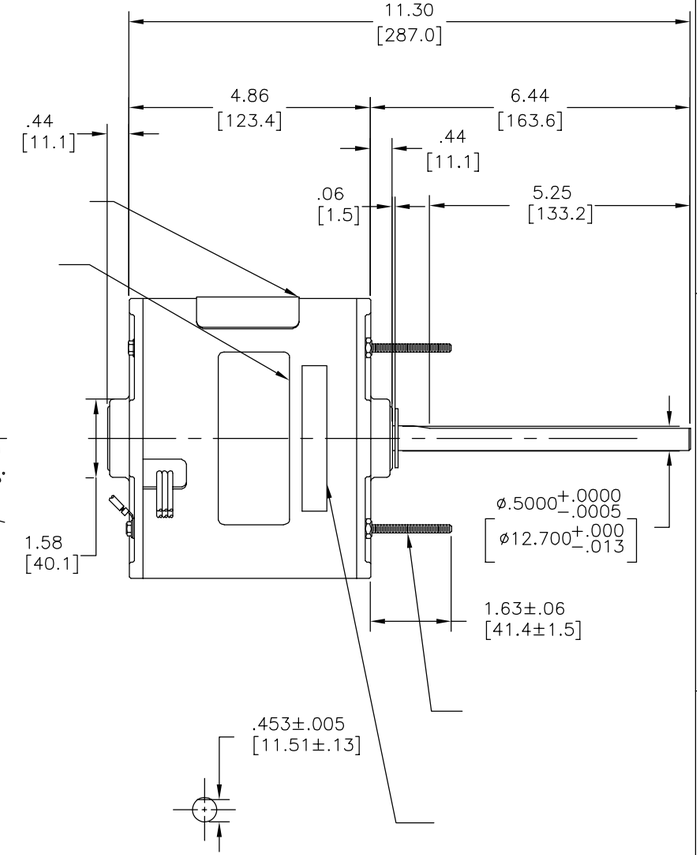
DESCRIPCION: MODEL-RFHP-48FR OUTLINE

TAMAÑO: C | NUMERO DE DIBUJO: FH1024

ESCALA: NONE | HOJA: 1

版本	ECO	编制	日期	批准	日期
F	0024317	Y.LIU	03-12-2012	B.SHEN	03-12-2012





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AMB.: 60° C
DUTY: AIR OVER
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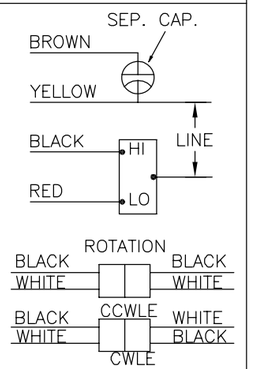

614131-104

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4.0/6.0 [102/152]	
26.0/28.0 [660/711]	
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26.0/28.0 [660/711]	
26.0/28.0 [660/711]	

C23151	19.8 OZ. FT.	89AE921	E46412	PRGY2	LR43341	4211-01

DISTRIBUTION SERVICE

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

REGAL-BELOIT CORPORATION (RBC)在个别领域为客户提供技术支持。鉴于RBC未收到任何涉及电机使用和应用环境的数据，电机的适用性由客户自己决定。

未注公差尺寸仅供参考。

绘图:	Y.LIU	03-12-2012
批准:	B.SHEN	03-12-2012
第三角投影		图纸格式发布日期 11-11-2011
		图纸格式版本 G

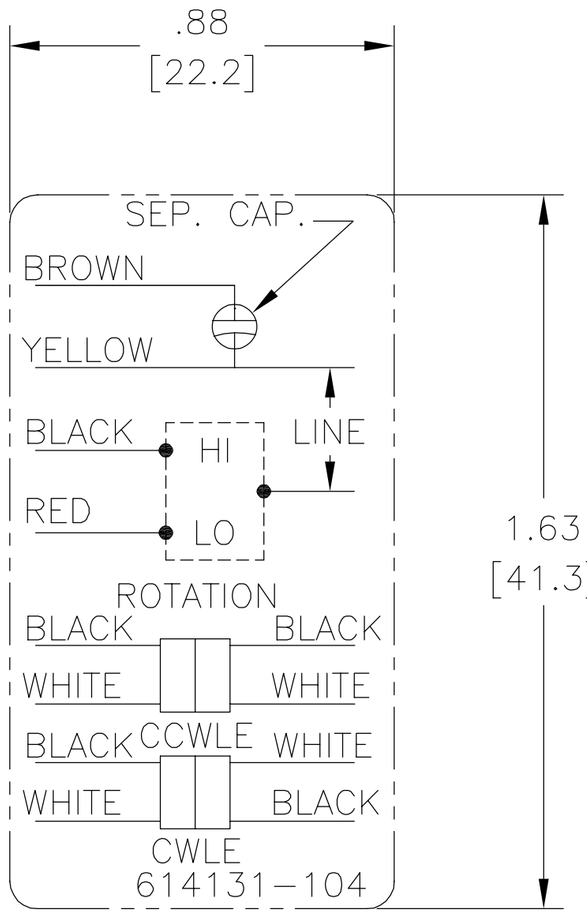
REGAL-BELOIT CORPORATION

名称 MODEL-RFHP-48FR OUTLINE

图幅 C | 图号 FH1024

比例 NONE | 页号 1

REV	ECO	REV BY	DATE	APPD	DATE
A	ECO-0018859	jrupert	02-21-011	triley	02-21-2011



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)
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- ↗ RUNOUT
- ⌖ TRUE POSITION
- ◎ CONCENTRICITY
- ⌯ SYMMETRY

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:

	X	XX	XXX	XXXX
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	02-21-2011	
APPD: triley	02-21-2011	
THIRD ANGLE PROJECTION	EDS DATE 02-22-2008	
	FORMAT REV F	

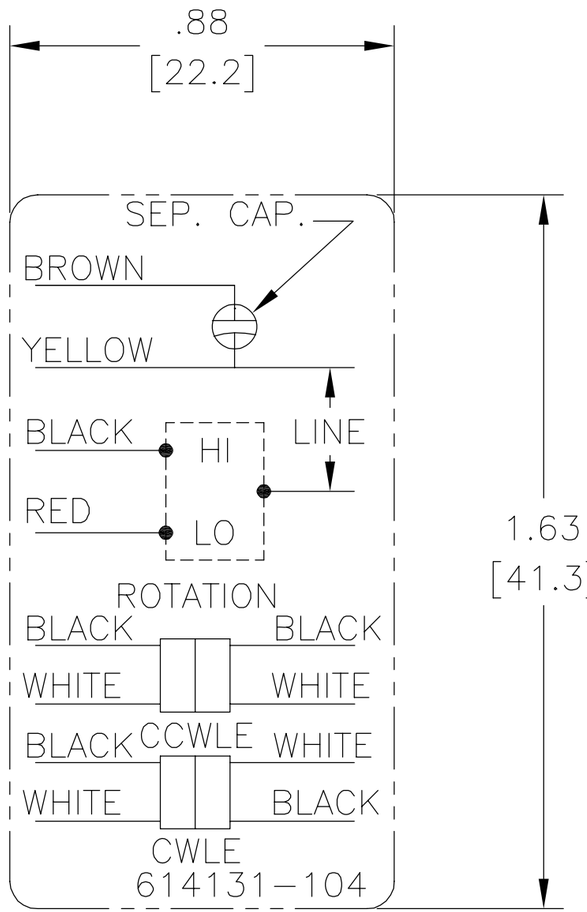
ASME Y14.5M 1994

A.O. Smith Innovation has a name.
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPTION
CONN DIAGRAM EXTERNAL
.

SIZE	DWG NO	
A	614131-104	
SCALE NONE		SHEET 1

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	ECO-0018859	jrupert	02-21-011	triley	02-21-2011



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- 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	02-21-2011	
APROBADO POR: triley	02-21-2011	
TERCER ANGULO DE PROYECCION	FECHA EDS: 02-22-2008	REV. FORMATO: F

 ASME Y14.5M 1994

A.O. Smith Innovation has a name.

ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPCION:
CONN DIAGRAM EXTERNAL

TAMAÑO:	NUMERO DE DIBUJO:	
A	614131-104	
ESCALA: NONE		HOJA: 1

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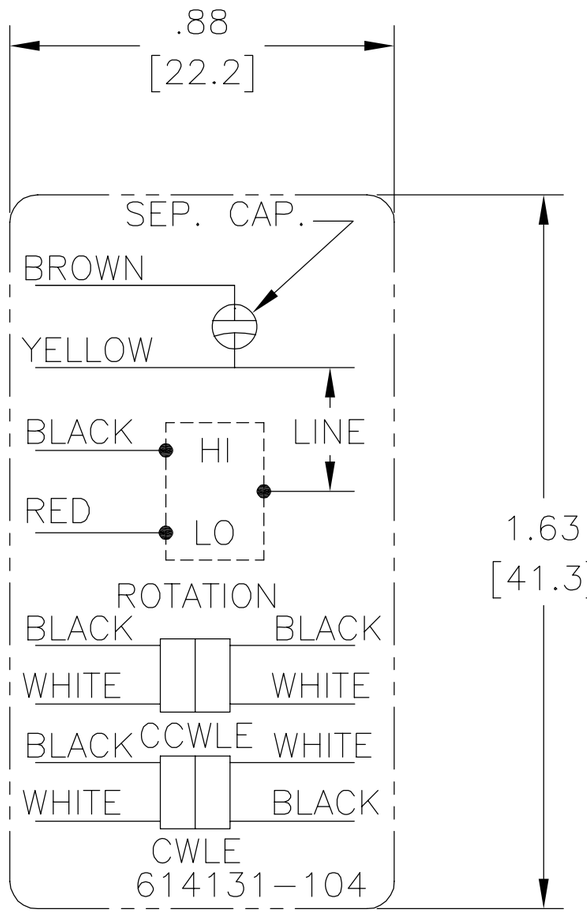
A	ECO-0018859	jrupert	02-21-011	triley	02-21-2011



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??:	jrupert	02-21-2011
??:	triley	02-21-2011
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ASME Y14.5M 1994

AO Smith Innovation has a name.
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CONN DIAGRAM EXTERNAL

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