

PRODUCT INFORMATION PACKET



Model No: FE6002F

Catalog No: FE6002F

1/2-1/5 HP Condenser Fan Motor, 1075 RPM, 2 Speed, 208-230 Volts, 48 Frame, TEAO
Condenser Fans Motors



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The REGAL logo is a grey rectangular box with the word 'REGAL' in white, bold, uppercase letters. It is positioned on a blue and black halftone background that tapers to the right.

REGAL



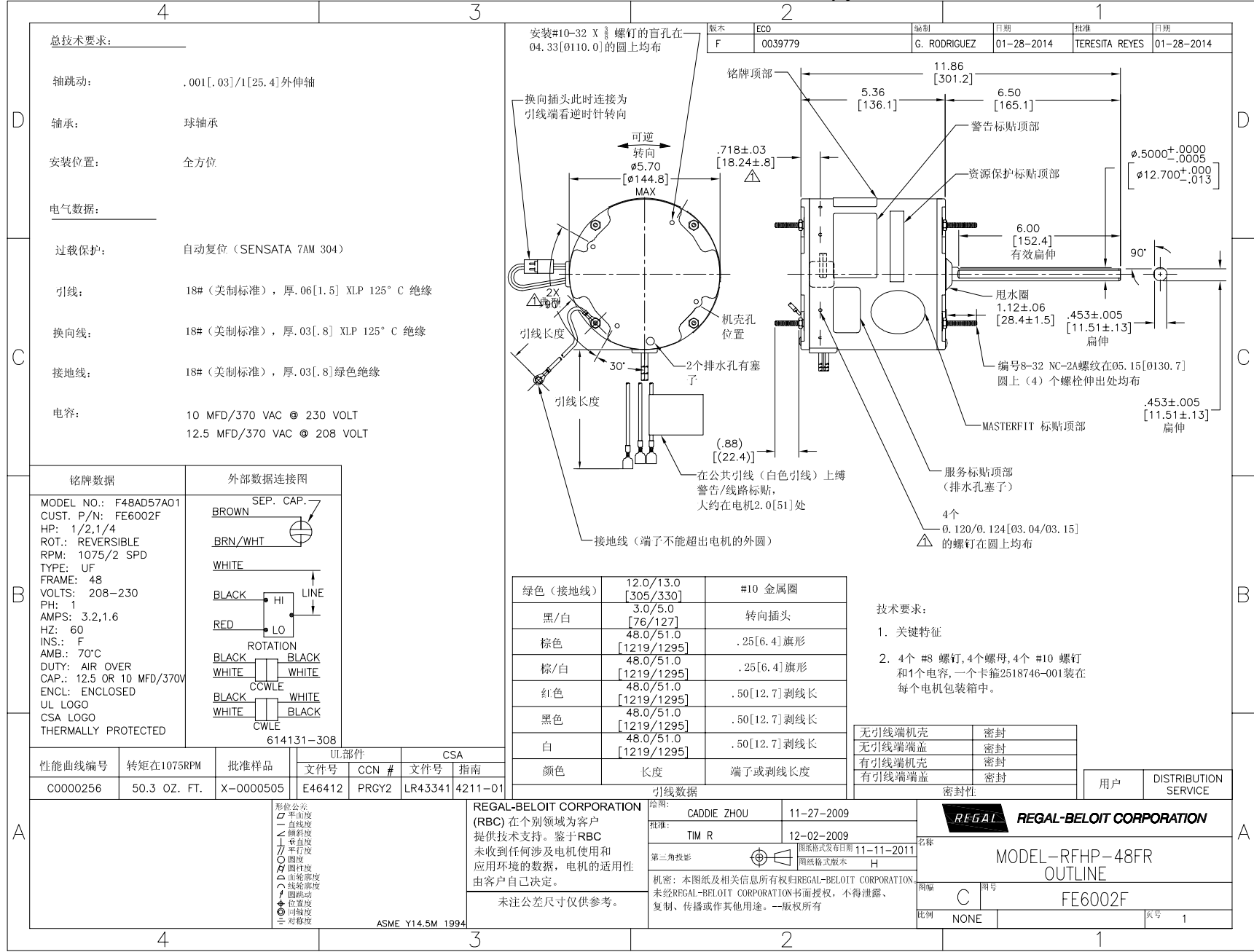
Nameplate Specifications

Output HP	1/2,1/4 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	208-230 V
Current	3.2,1.6 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	F
Frame	48	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °C
UL	Recognized	CSA	Y
CE	N		

Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	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	12.74 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	FE6002F-S01	Connection Drawing	614131-308

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总技术要求:

轴跳动: .001[.03]/1[25.4]外伸轴

轴承: 球轴承

安装位置: 全方位

电气数据:

过载保护: 自动复位 (SENSATA 7AM 304)

引线: 18# (美制标准), 厚.06[1.5] XLP 125° C 绝缘

换向线: 18# (美制标准), 厚.03[.8] XLP 125° C 绝缘

接地线: 18# (美制标准), 厚.03[.8] 绿色绝缘

电容: 10 MFD/370 VAC @ 230 VOLT
12.5 MFD/370 VAC @ 208 VOLT

铭牌数据	外部数据连接图
MODEL NO.: F48AD57A01 CUST. P/N: FE6002F HP: 1/2,1/4 ROT.: REVERSIBLE RPM: 1075/2 SPD TYPE: UF FRAME: 48 VOLTS: 208-230 PH: 1 AMPS: 3.2,1.6 HZ: 60 INS.: F AMB.: 70°C DUTY: AIR OVER CAP.: 12.5 OR 10 MFD/370V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN BRN/WHT WHITE BLACK HI RED LO ROTATION BLACK WHITE WHITE BLACK CCWLE CWLE 614131-308

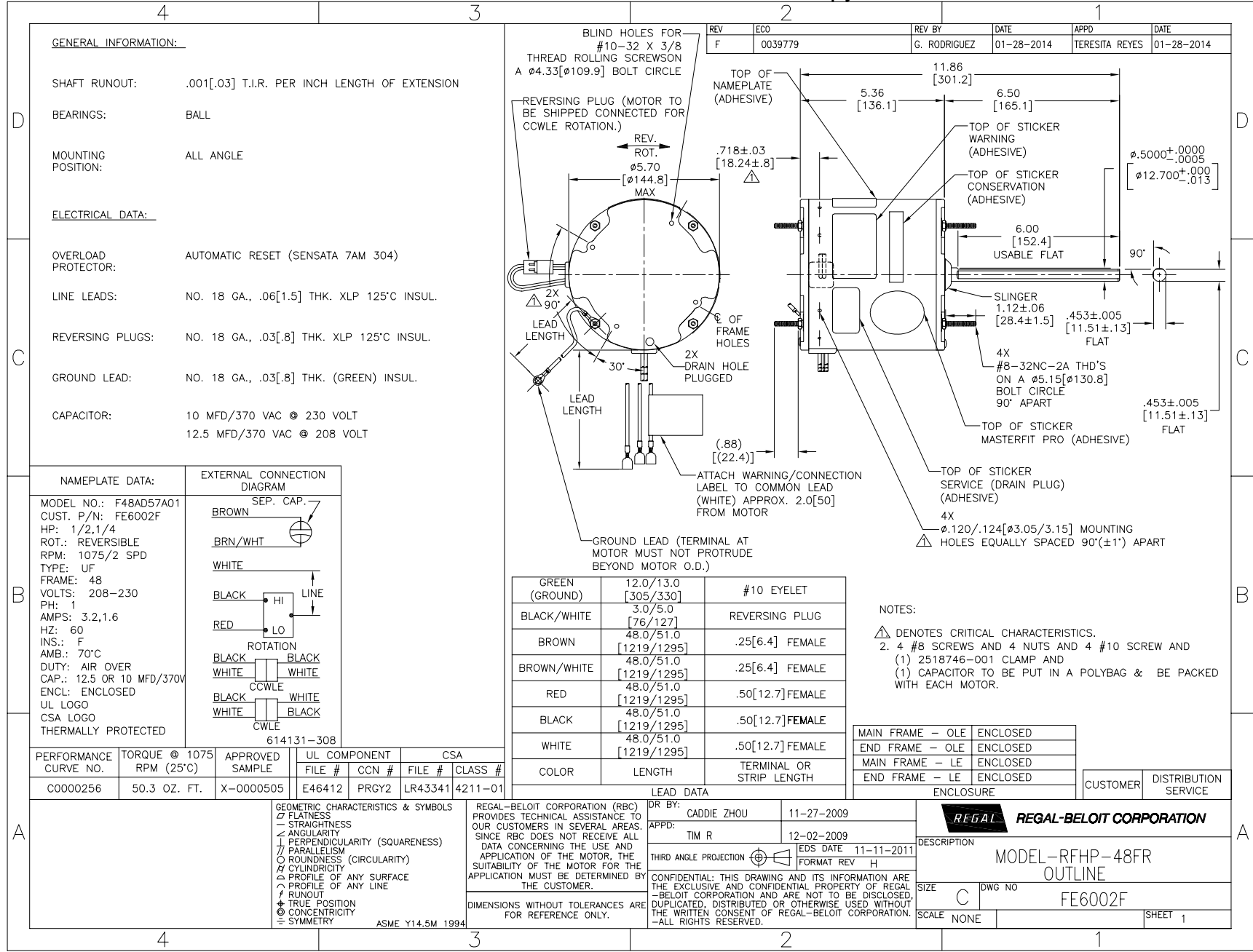
颜色	长度	端子或剥线长度
绿色 (接地线)	12.0/13.0 [305/330]	#10 金属圈
黑/白	3.0/5.0 [76/127]	转向插头
棕色	48.0/51.0 [1219/1295]	.25[6.4] 旗形
棕/白	48.0/51.0 [1219/1295]	.25[6.4] 旗形
红色	48.0/51.0 [1219/1295]	.50[12.7] 剥线长
黑色	48.0/51.0 [1219/1295]	.50[12.7] 剥线长
白	48.0/51.0 [1219/1295]	.50[12.7] 剥线长

- 技术要求:
- 关键特征
 - 4个 #8 螺钉, 4个螺母, 4个 #10 螺钉和1个电容, 一个卡箍2518746-001装在每个电机包装箱中。

无引线端机壳	密封
无引线端端盖	密封
有引线端机壳	密封
有引线端端盖	密封

性能曲线编号	转矩在1075RPM	批准样品	UL部件	CSA
C0000256	50.3 OZ. FT.	X-0000505	E46412 PRGY2	LR43341 4211-01

形状公差 平面度 直线度 圆度 垂直度 平行度 同心度 圆跳动 位置度 对称度	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。	除图: CADDIE ZHOU 11-27-2009 批准: TIM R 12-02-2009 第三角投影 图框格式发布日期 11-11-2011 图框格式版本 H 机密: 本图纸及相关信息所有权归REGAL-BELOIT CORPORATION。 未经REGAL-BELOIT CORPORATION书面授权, 不得泄露、 复制、传播或作其他用途。--版权所有	REGAL REGAL-BELOIT CORPORATION 名称 MODEL-RFHP-48FR OUTLINE 图号 FE6002F 比例 NONE 页号 1
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GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 304)

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

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

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

CAPACITOR: 10 MFD/370 VAC @ 230 VOLT
12.5 MFD/370 VAC @ 208 VOLT

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AD57A01 CUST. P/N: FE6002F HP: 1/2,1/4 ROT.: REVERSIBLE RPM: 1075/2 SPD TYPE: UF FRAME: 48 VOLTS: 208-230 PH: 1 AMPS: 3.2,1.6 HZ: 60 INS.: F AMB.: 70°C DUTY: AIR OVER CAP.: 12.5 OR 10 MFD/370V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	<p>SEP. CAP. →</p> <p>BROWN</p> <p>BRN/WHT</p> <p>WHITE</p> <p>BLACK HI</p> <p>RED LO</p> <p>ROTATION</p> <p>BLACK CCWLE</p> <p>WHITE CWLE</p> <p>BLACK WHITE</p> <p>WHITE BLACK</p> <p>614131-308</p>

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	48.0/51.0 [1219/1295]	.25[6.4] FEMALE
BROWN/WHITE	48.0/51.0 [1219/1295]	.25[6.4] FEMALE
RED	48.0/51.0 [1219/1295]	.50[12.7] FEMALE
BLACK	48.0/51.0 [1219/1295]	.50[12.7] FEMALE
WHITE	48.0/51.0 [1219/1295]	.50[12.7] FEMALE

NOTES:

△ DENOTES CRITICAL CHARACTERISTICS.

2. 4 #8 SCREWS AND 4 NUTS AND 4 #10 SCREW AND (1) 2518746-001 CLAMP AND (1) CAPACITOR TO BE PUT IN A POLYBAG & BE PACKED WITH EACH MOTOR.

PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C0000256	50.3 OZ. FT.	X-0000505	E46412 PRGY2	LR43341 4211-01

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: CADDIE ZHOU 11-27-2009

APPD: TIM R 12-02-2009

THRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV H

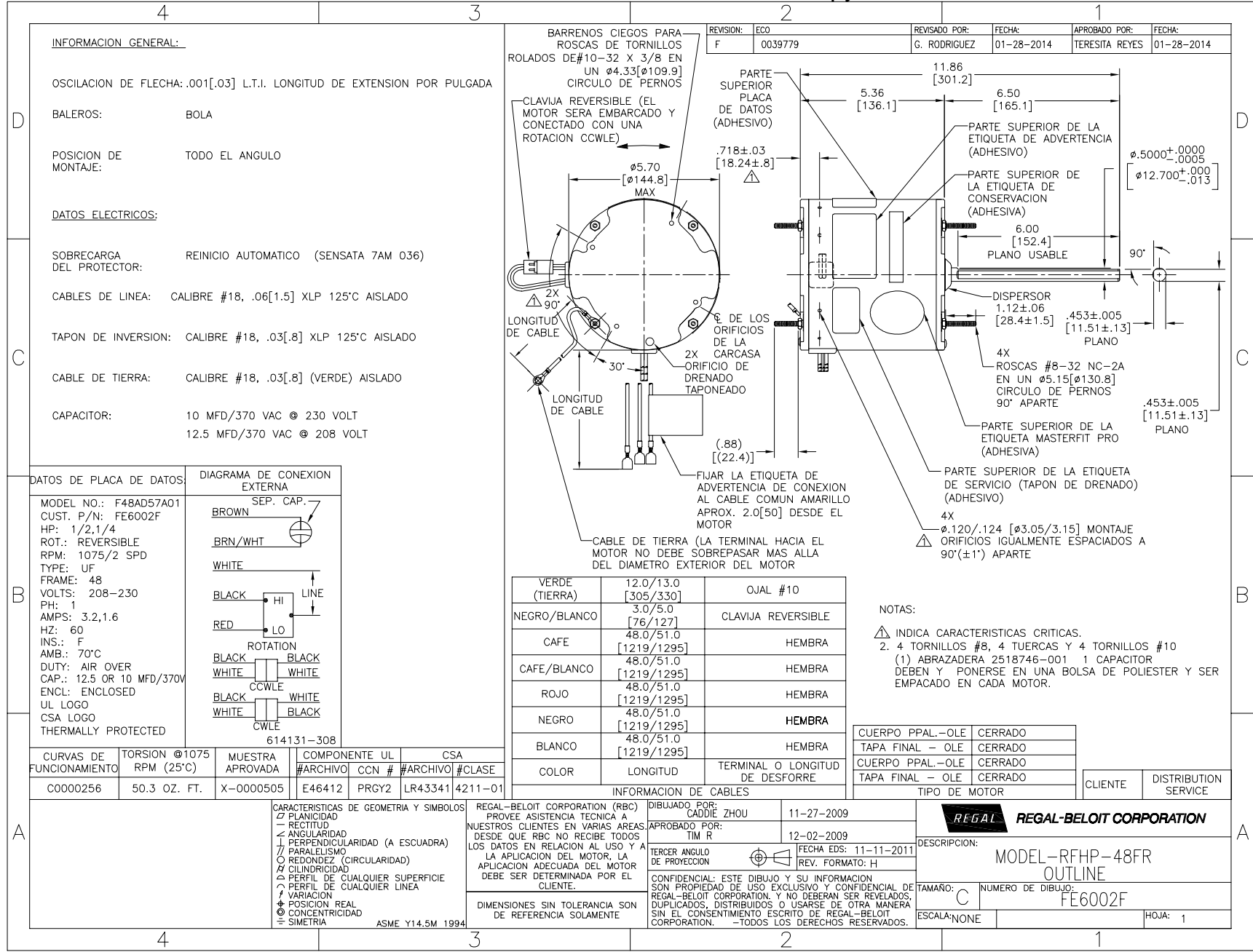
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REGAL REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

SIZE: C DWG NO: FE6002F

SCALE: NONE SHEET: 1



INFORMACION GENERAL:

OSCILACION DE FLECHA: .001[.03] L.T.I. LONGITUD DE EXTENSION POR PULGADA

BALEROS: BOLA

POSICION DE MONTAJE: TODO EL ANGULO

DATOS ELECTRICOS:

SOBRECARGA DEL PROTECTOR: REINICIO AUTOMATICO (SENSATA 7AM 036)

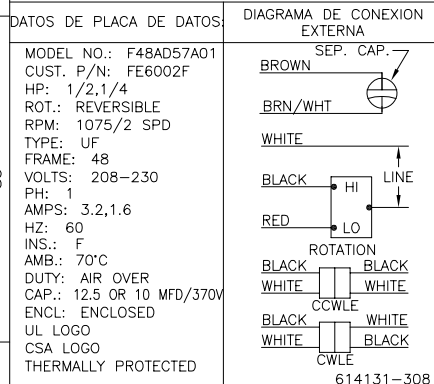
CABLES DE LINEA: CALIBRE #18, .06[1.5] XLP 125°C AISLADO

TAPON DE INVERSION: CALIBRE #18, .03[.8] XLP 125°C AISLADO

CABLE DE TIERRA: CALIBRE #18, .03[.8] (VERDE) AISLADO

CAPACITOR: 10 MFD/370 VAC @ 230 VOLT
12.5 MFD/370 VAC @ 208 VOLT

REVISION: ECO	REVISADO POR: G. RODRIGUEZ	FECHA: 01-28-2014	APROBADO POR: TERESITA REYES	FECHA: 01-28-2014
F 0039779				



VERDE (TIERRA)	12.0/13.0 [305/330]	OJAL #10
NEGRO/BLANCO	3.0/5.0 [76/127]	CLAVIJA REVERSIBLE
CAFE	48.0/51.0 [1219/1295]	HEMBRA
CAFE/BLANCO	48.0/51.0 [1219/1295]	HEMBRA
ROJO	48.0/51.0 [1219/1295]	HEMBRA
NEGRO	48.0/51.0 [1219/1295]	HEMBRA
BLANCO	48.0/51.0 [1219/1295]	HEMBRA
COLOR	LONGITUD	TERMINAL O LONGITUD DE DESFORRE

NOTAS:

△ INDICA CARACTERISTICAS CRITICAS.

2. 4 TORNILLOS #8, 4 TUERCAS Y 4 TORNILLOS #10 (1) ABRAZADERA 2518746-001 1 CAPACITOR DEBEN Y PONERSE EN UNA BOLSA DE POLIESTER Y SER EMPACADO EN CADA MOTOR.

CUERPO PPAL.-OLE	CERRADO
TAPA FINAL - OLE	CERRADO
CUERPO PPAL.-OLE	CERRADO
TAPA FINAL - OLE	CERRADO
TIPO DE MOTOR	

CLIENTE	DISTRIBUTION SERVICE
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CURVAS DE FUNCIONAMIENTO	TORSION @1075 RPM (25°C)	MUESTRA APROVADA	COMPONENTE UL	CSA
C0000256	50.3 OZ. FT.	X-0000505	E46412 PRGY2	LR43341 4211-01

INFORMACION DE CABLES

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

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APROBADO POR: TIM R	12-02-2009
TERCER ANGULO DE PROYECCION	FECHA EDS: 11-11-2011 REV. FORMATO: H

REGAL-BELOIT CORPORATION

DESCRIPCION: MODEL-RFHP-48FR OUTLINE

TAMAÑO: C

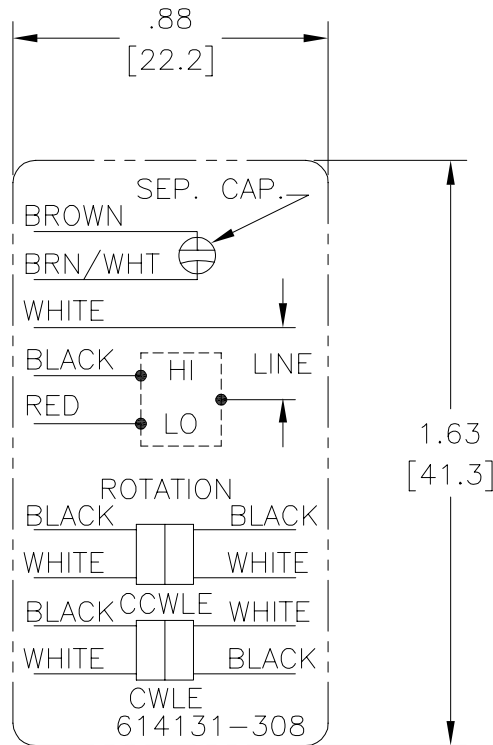
NUMERO DE DIBUJO: FE6002F

ESCALA: NONE

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REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0021670	jrupert	07-22-2011	jrupert	07-22-2011



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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

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

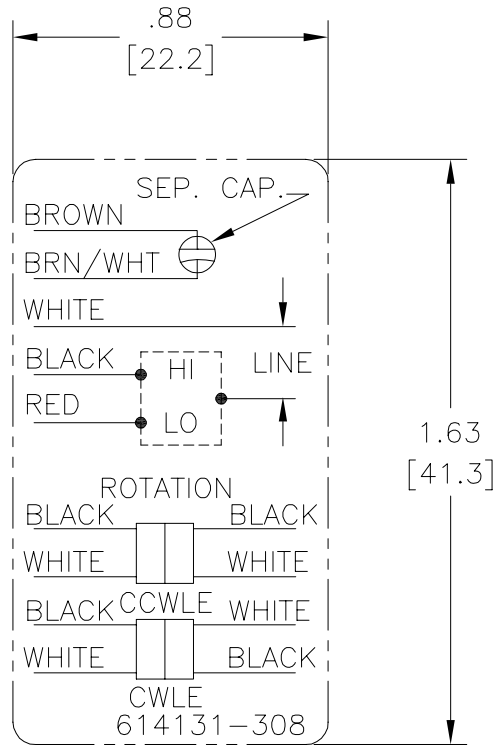
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	07-22-2011
APPD:	jrupert	07-22-2011
THIRD ANGLE PROJECTION	⊕	EDS DATE 02-22-2008 FORMAT REV F
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DESCRIPTION CONN DIAGRAM NAMEPLATE	
SIZE	DWG NO A 614131-308
SCALE	NONE
SHEET 1	

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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0021670	jrupert	07-22-2011	jrupert	07-22-2011



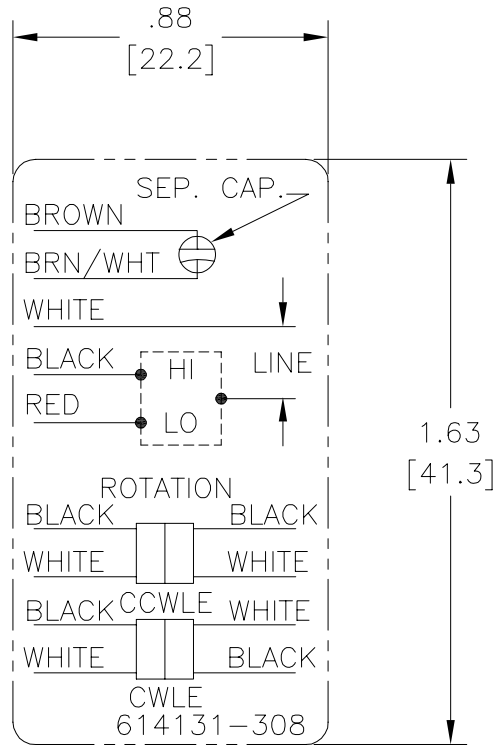
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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS Z PLANICIDAD — RECTITUD < ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA / VARIACION ⊕ POSICION 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 07-22-2011 APROBADO POR: jrupert 07-22-2011 TERCER ANGULO DE PROYECCION FECHA EDS: 02-22-2008 REV. FORMATO: F	ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	DESCRIPCION: <h2 style="text-align: center;">CONN DIAGRAM NAMEPLATE</h2>
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	图幅: A		图号: 614131-308	
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