

PRODUCT INFORMATION PACKET



Model No: F1076S
Catalog No: F1076S
3/4 HP Condenser Fan Motor, 1075 RPM, 208-230 Volts, 48 Frame, Semi Enclosed
Condenser Fans Motors



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Nameplate Specifications

| | | | |
|--------------------|-------------------|---------------------|----------------------|
| Output HP | 3/4 Hp | Output KW | 0.56 kW |
| Frequency | 60 Hz | Voltage | 208-230 V |
| Current | 3.5 A | Speed | 1075 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 | | |

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 | 12.24 in | Frame Length | 4.75 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 6.4 in |
| Connection Drawing | 614131-115 | Outline Drawing | F1076S-S01 |

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| REV | ECO | REV BY | DATE | APPD | DATE |
|-----|---------|------------|------------|-----------|------------|
| B | 0023659 | B.ESPINOZA | 01-13-2012 | S.JIMENEZ | 01-13-2012 |

GENERAL INFORMATION:

SHAFT RUNOUT: .001[.03] T.I.R. PER 1.00[25.4] LENGTH OF EXTENSION.

BEARINGS: BALL

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT UP

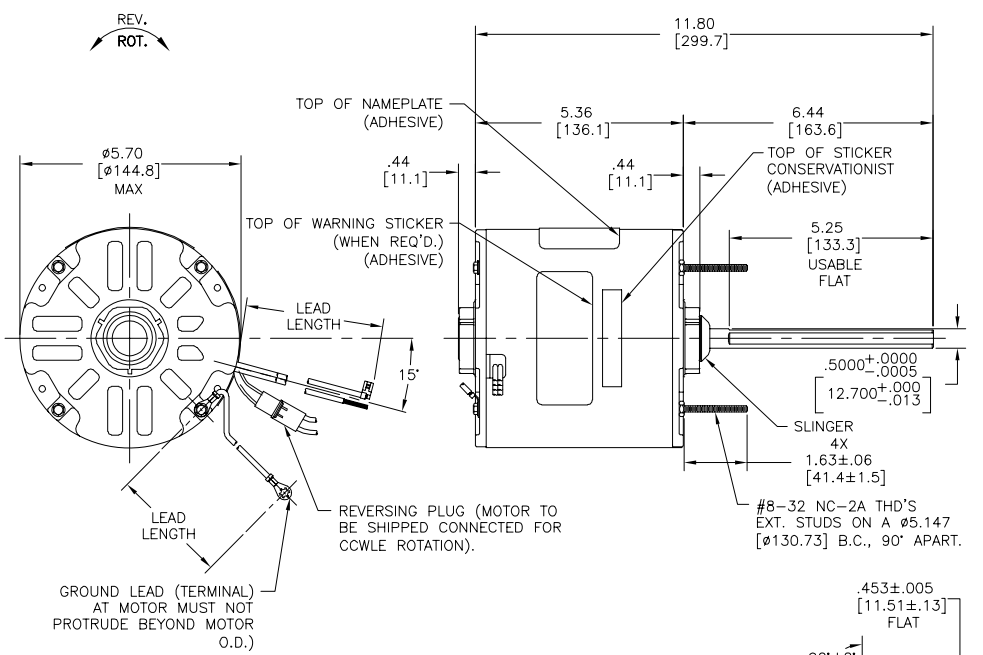
ELECTRICAL DATA:

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

LEADS: NO. 18 GA. .06[1.5] THK., PVC 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.: F48P21A01 CUST. P/N: F1076S HP: 3/4 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 3.5 (4.2 MAX.) HZ: 60 INS.: B AMB.: 60° C DUTY: AIR COVER CAP.: 15 MFD/370 V ENCL: SEMI-ENCL. UL & CSA LOGO THERMALLY PROTECTED | |

| 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/WHITE | 26.0/28.0 [660/711] | .25[6.4] FLAG |
| BROWN | 26.0/28.0 [660/711] | .25[6.4] FLAG |
| YELLOW | 26.0/28.0 [660/711] | .50[12.7] SKIN |
| BLACK | 26.0/28.0 [660/711] | .50[12.7] SKIN |

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

| PERFORMANCE CURVE NO. | TORQUE @ 1075 RPM (25°C) | APPROVED SAMPLE | UL COMPONENT FILE # | CCN # | CSA FILE # | CLASS # |
|-----------------------|--------------------------|-----------------|---------------------|-------|------------|---------|
| C30438 | 68.8 OZ. FT. | 89AC310A | 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: J.A.RUPERT 05-30-1997

APPD: V.W.S.

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV G

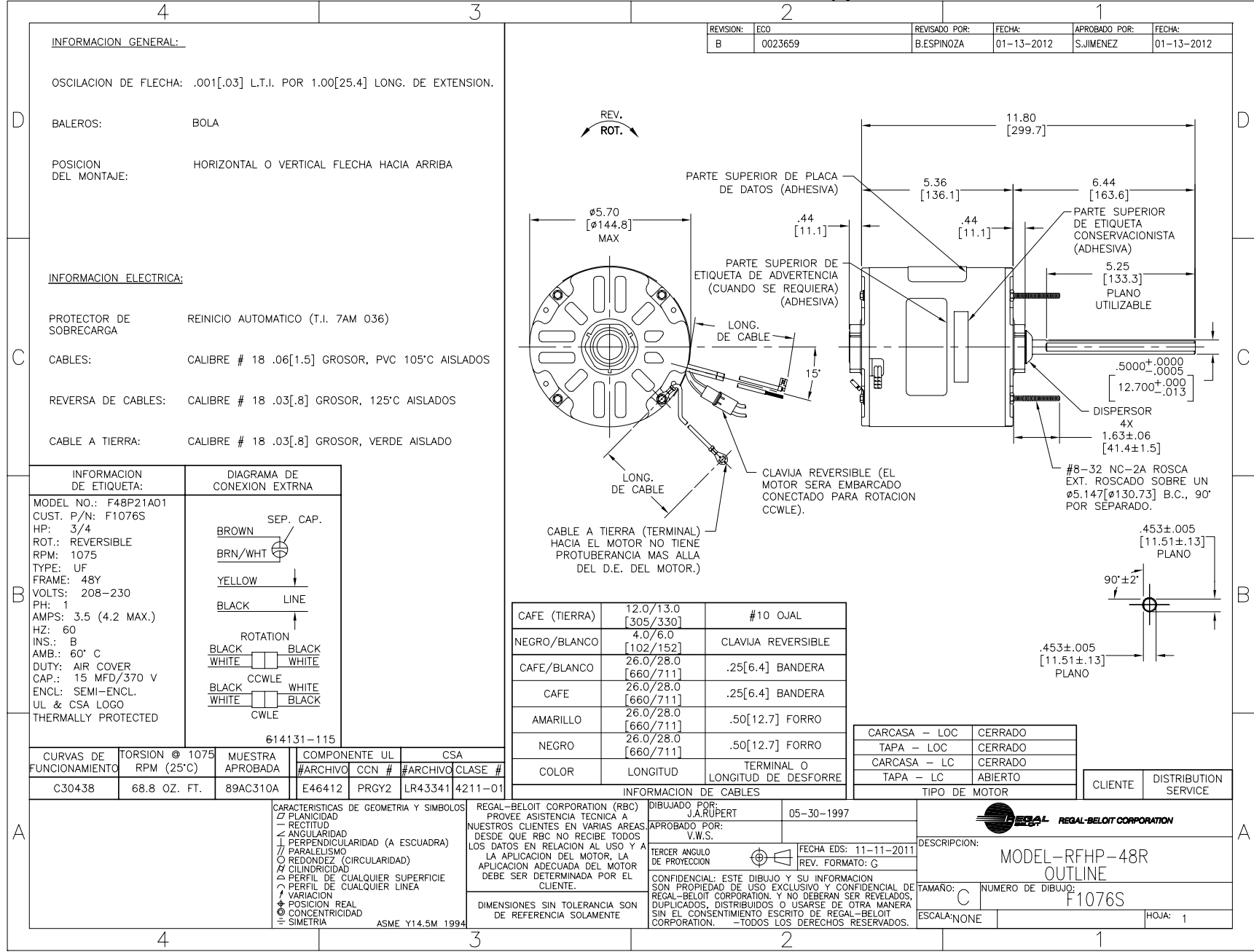
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REGAL-BELOIT CORPORATION

DESCRIPTION: MODEL-RFHP-48R OUTLINE

SIZE: C DWG NO: F1076S

SCALE: NONE SHEET: 1



INFORMACION GENERAL:

OSCILACION DE FLECHA: .001[.03] L.T.I. POR 1.00[25.4] LONG. DE EXTENSION.

BALEROS: BOLA

POSICION DEL MONTAJE: HORIZONTAL O VERTICAL FLECHA HACIA ARRIBA

INFORMACION ELECTRICA:

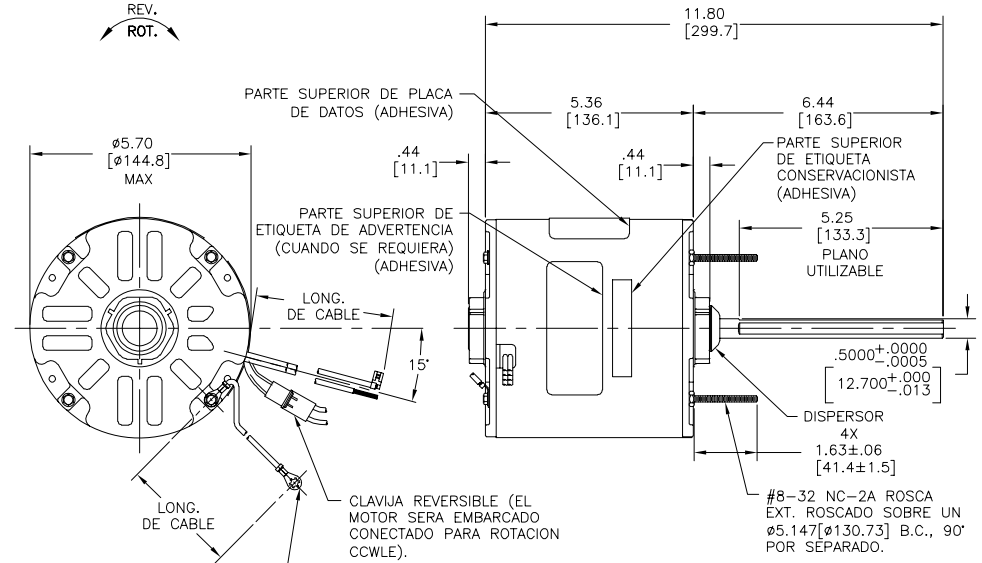
PROTECTOR DE SOBRECARGA: REINICIO AUTOMATICO (T.I. 7AM 036)

CABLES: CALIBRE # 18 .06[1.5] GROSOR, PVC 105°C AISLADOS

REVERSA DE CABLES: CALIBRE # 18 .03[.8] GROSOR, 125°C AISLADOS

CABLE A TIERRA: CALIBRE # 18 .03[.8] GROSOR, VERDE AISLADO

| | | | | |
|---------------|--------------------------|-------------------|-------------------------|-------------------|
| REVISION: ECO | REVISADO POR: B.ESPINOZA | FECHA: 01-13-2012 | APROBADO POR: S.JIMENEZ | FECHA: 01-13-2012 |
| B | 0023659 | | | |



| | | |
|---------------|---------------------|---------------------------------|
| CAFE (TIERRA) | 12.0/13.0 [305/330] | #10 OJAL |
| NEGRO/BLANCO | 4.0/6.0 [102/152] | CLAVIJA REVERSIBLE |
| CAFE/BLANCO | 26.0/28.0 [660/711] | .25[6.4] BANDERA |
| CAFE | 26.0/28.0 [660/711] | .25[6.4] BANDERA |
| AMARILLO | 26.0/28.0 [660/711] | .50[12.7] FORRO |
| NEGRO | 26.0/28.0 [660/711] | .50[12.7] FORRO |
| COLOR | LONGITUD | TERMINAL O LONGITUD DE DESFORRE |

| | |
|---------------|---------|
| CARCASA - LOC | CERRADO |
| TAPA - LOC | CERRADO |
| CARCASA - LC | CERRADO |
| TAPA - LC | ABIERTO |

| | |
|---------|----------------------|
| CLIENTE | DISTRIBUTION SERVICE |
|---------|----------------------|

| | |
|---|---|
| INFORMACION DE ETIQUETA: | DIAGRAMA DE CONEXION EXTRNA |
| MODEL NO.: F48P21A01 CUST. P/N: F1076S HP: 3/4 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 3.5 (4.2 MAX.) HZ: 60 INS.: B AMB.: 60° C DUTY: AIR COVER CAP.: 15 MFD/370 V ENCL: SEMI-ENCL. UL & CSA LOGO THERMALLY PROTECTED | SEP. CAP. BROWN BRN/WHT YELLOW BLACK LINE ROTATION BLACK WHITE CCWLE BLACK WHITE CWLE |
| 614131-115 | |

| | | | | |
|--------------------------|---------------------------|------------------|---------------|-----------------|
| CURVAS DE FUNCIONAMIENTO | TORSION @ 1075 RPM (25°C) | MUESTRA APROBADA | COMPONENTE UL | CSA |
| C30438 | 68.8 OZ. FT. | 89AC310A | E46412 PRGY2 | LR43341 4211-01 |

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
 ▽ PLANICIDAD
 ⊥ RECTITUD
 ∠ ANGULARIDAD
 ⊥ PERPENDICULARIDAD (A ESQUADRA)
 // PARALELISMO
 ○ REDONDEZ (CIRCULARIDAD)
 A 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

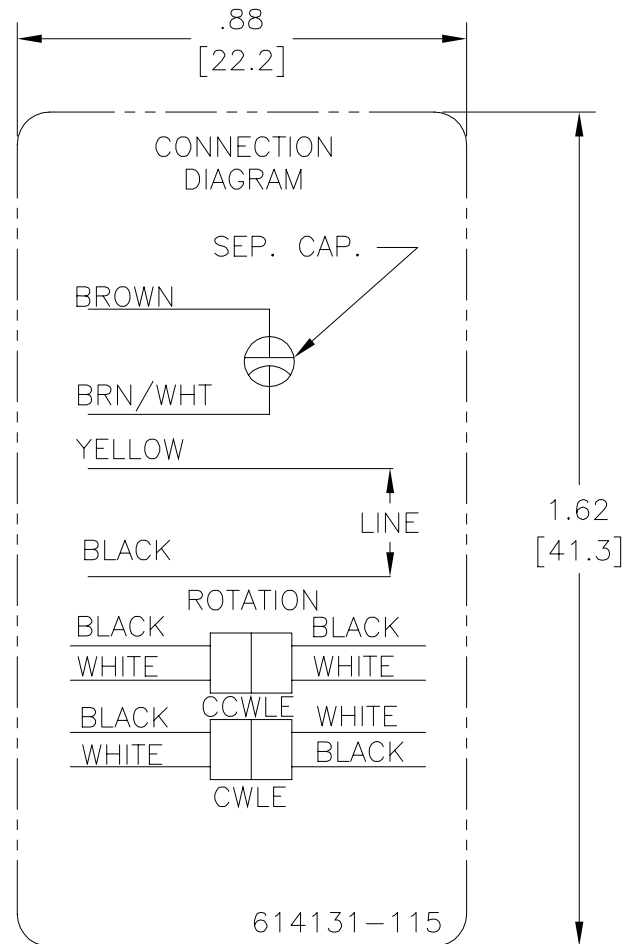
DIBUJADO POR: J.A. RUPERT 05-30-1997
 APROBADO POR: V.W.S.
 TERCER ANGULO DE PROYECCION
 FECHA EDS: 11-11-2011
 REV. FORMATO: G
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DESCRIPCION: **MODEL-RFHP-48R OUTLINE**
 TAMAÑO: C NUMERO DE DIBUJO: F1076S
 ESCALA: NONE HOJA: 1

| <p>总技术要求:</p> <p>轴跳动:</p> <p>轴承:</p> <p>安装位置:</p> <p>电气数据:</p> <p>过载保护:</p> <p>引线:</p> <p>接地线:</p> | <p>REV. ROT.</p> | <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>版本</td> <td>ECO</td> <td>编制</td> <td>日期</td> <td>批准</td> <td>日期</td> </tr> <tr> <td>B</td> <td>0023659</td> <td>B.ESPINOZA</td> <td>01-13-2012</td> <td>S.JIMENEZ</td> <td>01-13-2012</td> </tr> </table> | 版本 | ECO | 编制 | 日期 | 批准 | 日期 | B | 0023659 | B.ESPINOZA | 01-13-2012 | S.JIMENEZ | 01-13-2012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| B | 0023659 | B.ESPINOZA | 01-13-2012 | S.JIMENEZ | 01-13-2012 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 铭牌数据 | 外部数据线 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 性能曲线编号 | 转矩在 @ 1075 RPM (25° C) | 批准样品 | UL部件 | | CSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C30438 | 68.8 OZ. FT. | 89AC310A | 文件号 | 指南 | 文件号 | 指南 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | E46412 | PRGY2 | LR43341 | 4211-01 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 颜色 | 长度 | 端子或剥线长度 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 12.0/13.0 [305/330] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 4.0/6.0 [102/152] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 26.0/28.0 [660/711] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 无引线端机壳 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 无引线端盖 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 用户 | DISTRIBUTION SERVICE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 批准: | V.W.S. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 第三角投影 | | 图框格式发布日期 11-11-2011 图框格式版本 G | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 图幅 | 图号 F1076S | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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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

ASME Y14.5M 1994

**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

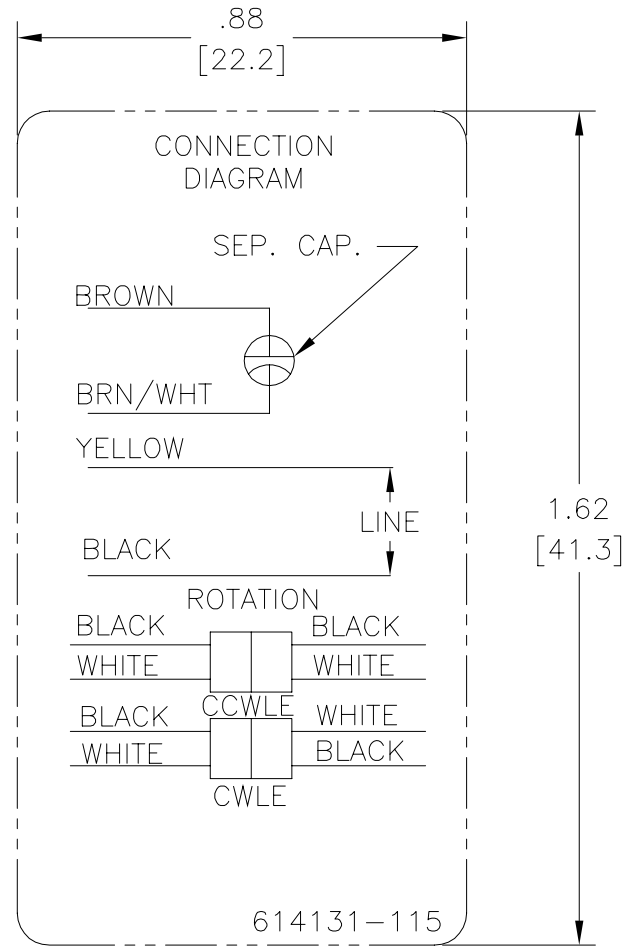
METRIC DIMS. SHOWN IN [BRACKETS]

| | | |
|---|---------|-------------------------------------|
| DR BY: | jrupert | 06-24-2010 |
| APPD: | triley | 06-24-2010 |
| THIRD ANGLE PROJECTION | | EDS DATE 11-11-2011 FORMAT REV H |
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| REGAL-BELOIT CORPORATION | |
| DESCRIPTION CONN DIAGRAM EXTERNAL | |
| SIZE A | DWG NO 614131-115 |
| SCALE NONE | SHEET 1 |

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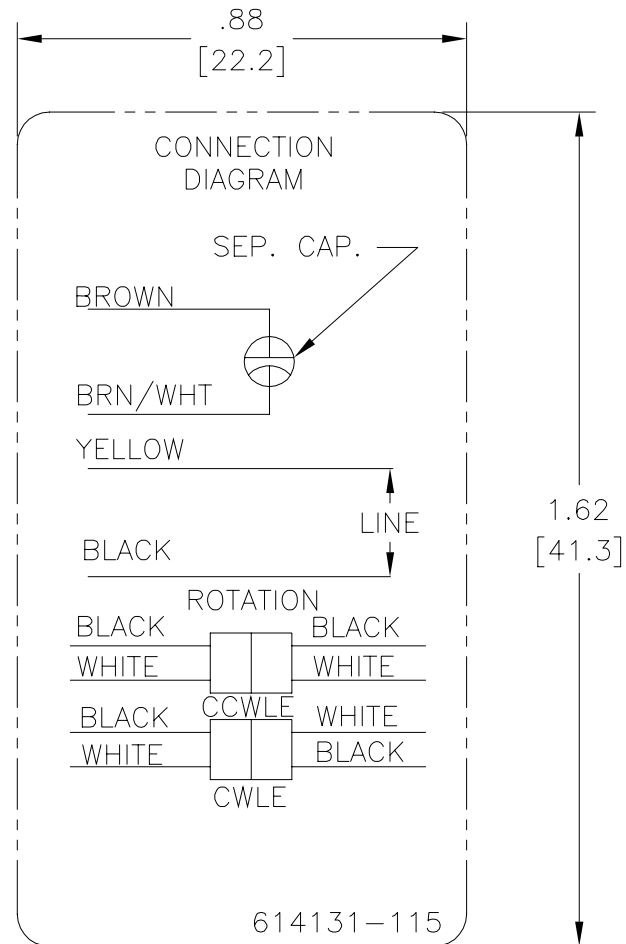
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| | | | |
|---|--|---|--|
| <p>CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS</p> <p>∇ PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA ↗ VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA</p> | <p>A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES:</p> <p style="text-align: center;">x xx xxx xxxx</p> <p>PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013</p> <p>ANG. ±.50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.</p> <p>PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125 mm 3.2</p> <p>DIMS METRICAS MOSTRADAS [PARENTESIS]</p> | <p>DIBUJADO POR: jrupert 06-24-2010</p> <p>APROBADO POR: triley 06-24-2010</p> <p>TERCER ANGULO DE PROYECCION FECHA EDS: 11-11-2011 REV. FORMATO: H</p> <p>CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION.-TODOS LOS DERECHOS RESERVADOS.</p> | <p> REGAL-BELOIT CORPORATION</p> <p>DESCRIPCION: CONN DIAGRAM EXTERNAL</p> <p>TAMAÑO: A NUMERO DE DIBUJO: 614131-115</p> <p>ESCALA: NONE HOJA: 1</p> |
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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 毫米 ±.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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ASME Y14.5M 1994

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|---|---------|------------|---------------------------------|
| 绘图: | jrupert | 06-24-2010 | |
| 批准: | triley | 06-24-2010 | |
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| 名称 CONN DIAGRAM EXTERNAL | |
| 图幅 A | 图号 614131-115 |
| 比例 NONE | 页号 1 |