

PRODUCT INFORMATION PACKET



Model No: OCB1026A
Catalog No: OCB1026A
1/4 HP OEM Replacement Motor, 1075 RPM, 2 Speed, 208-230 Volts, 48 Frame, Semi Enclosed
HVAC/R OEM Replacement Motors



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Nameplate Specifications

Output HP	1/4 Hp	Output KW	0.19 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.2 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		

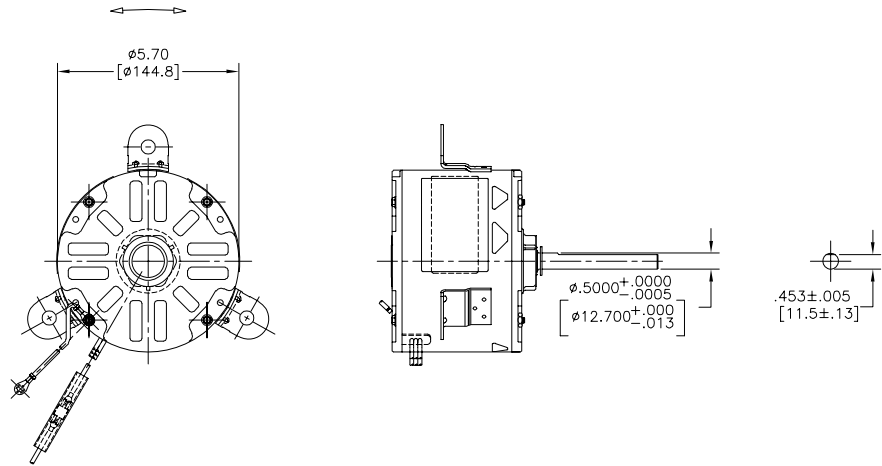
Technical Specifications

Electrical Type	Permanent Split Capacitor	Starting Method	Across The Line
Poles	6	Rotation	Reversible
Mounting	Lug	Motor Orientation	Horizontal
Drive End Bearing	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Flat
Overall Length	8.20 in	Frame Length	3.50 in
Shaft Diameter	0.500 in	Shaft Extension	4.2 in
Connection Drawing	614131-052	Outline Drawing	OCB1026A-S01

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GENERAL INFORMATION: SHAFT RUNOUT: .001 [.03] T.I.R. PER INCH LENGTH OF EXTENSION END PLAY: .010 [.25] TO .063 [1.60] BEARINGS: SLEEVE MOUNTING POSITION: HORIZONTAL ELECTRICAL DATA: OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036) LEADS: NO. 18 GA., .06 [1.5] THK. EPDM 125°C INSUL. GROUND LEAD: NO. 18 GA., .03 [.8] THK. GRN INSUL.		<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th>REV</th> <th>ECO</th> <th>REV BY</th> <th>DATE</th> <th>APPD</th> <th>DATE</th> </tr> <tr> <td>B</td> <td>0025554</td> <td>O. CARVAJAL</td> <td>05-01-2012</td> <td>M. AVILA</td> <td>05-01-2012</td> </tr> </table> <p>REV ROT. →</p> <p>TOP OF NAMEPLATE (ADHESIVE)</p> <p>TOP OF WARNING STICKER (WHEN REQ'D) (ADHESIVE)</p> <p>3X ϕ.434 [ϕ11.02] HOLE EQUALLY SPACED ON A ϕ7.000 [177.80] B.C.</p> <p>GROUND LEAD (TERMINAL AT MOTOR MUST NOT PROTRUDE BEYOND MOTOR O.D.)</p> <p>LEAD LENGTH</p> <p>LEAD LENGTH</p> <p>30°</p> <p>8.20 [208.3]</p> <p>3.99 [101.3]</p> <p>4.21 [106.9]</p> <p>1.50 [38.1]</p> <p>.44 [11.1]</p> <p>3.06 [77.7] USABLE FLAT</p> <p>ϕ.5000^{+0.0000}_{-.0005}</p> <p>ϕ12.700^{+0.000}_{-.013}</p> <p>.453±.005 [11.5±.13] FLAT</p>		REV	ECO	REV BY	DATE	APPD	DATE	B	0025554	O. CARVAJAL	05-01-2012	M. AVILA	05-01-2012																																																																								
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1/4

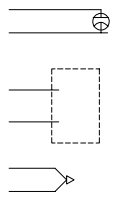
1075/2 SPD
UF
48Y
208-230

1

2.2

60
B
60°C

5.0 MFD/440 V



614131-052

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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS

- ▮ PLANICIDAD
- RECTITUD
- ∠ ANGULARIDAD
- ⊥ PERPENDICULARIDAD (A ESQUADRA)
- // 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:
YL

APROBADO POR:
HZ

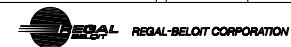
TERCER ANGULO
DE PROYECCION

04-15-2011

04-15-2011

FECHA EDS: 11-11-2011
REV. FORMATO: G

CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION
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SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT
CORPORATION. -TODOS LOS DERECHOS RESERVADOS.



DESCRIPCION:

MODEL-RFHP-48FR
OUTLINE

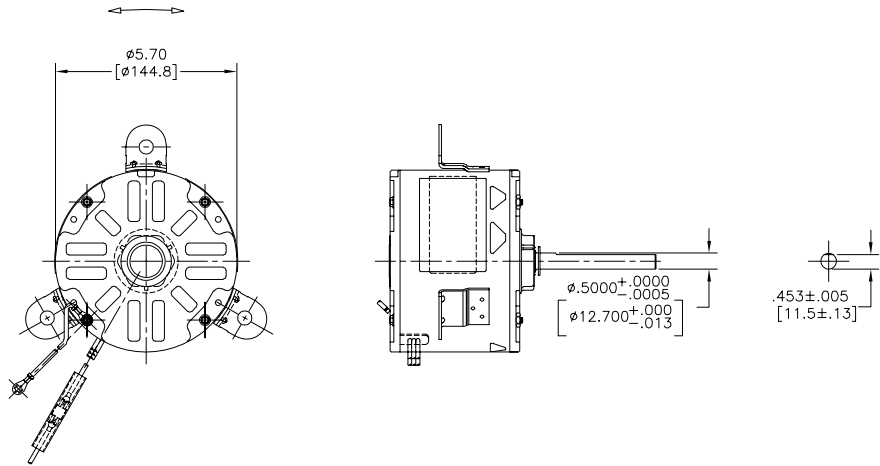
TAMAÑO:

C NUMERO DE DIBUJO:
OCB1026A

ESCALA: NONE

HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0025554	O. CARVAJAL	05-01-2012	M. AVILA	05-01-2012



F48Z06A01
OCB1026A

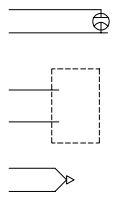
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1075/2 SPD
UF
48Y
208-230

1

2.2
60
B
60°C

5.0 MFD/440 V



614131-052

	53.0/56.0	
	[1346/1422]	
	53.0/56.0	
	[1346/1422]	
	53.0/56.0	
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	[1346/1422]	

C19783	27.6 OZ. FT.	0040105	E46412	PRGY2	LR43341	4211-01
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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
- ⊙ 圆跳动
- ⊖ 面轮廓度
- ⊖ 线轮廓度
- ↻ 圆跳动
- ↻ 位置度
- ↻ 对称度

ASME Y14.5M 1994

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未注公差尺寸仅供参考。

除图：
批准：YL 04-15-2011
HZ 04-15-2011
第三角投影
图框格式发布日期 11-11-2011
图框格式版本 C
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MODEL-RFHP-48FR
OUTLINE

名称	MODEL-RFHP-48FR OUTLINE	
图幅	C	图号
比例	NONE	页号
		1

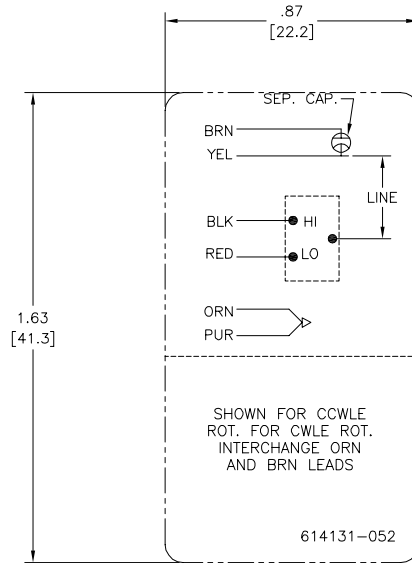
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REV	ECO	REV BY	DATE	APPD	DATE
B	0020045	YL	04-15-2011	HZ	04-15-2011



- NOTES:
- FOR USE WITH 614129 OR 2513020-001 NAMEPLATE BLANKS
 - INDICATES DIMENSION LIMITS

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 X XX XXX XXXX ±.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-.04 CORNER FILLETS TO: INCH .020 mm 0.5 MACHINE SURFACES: INCH 125 mm 3.2 METRIC DIMS. SHOWN IN [BRACKETS]	DR BY:	YL	04-15-2011	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A.O. SMITH CORPORATION
		APPD:	HZ	04-15-2011	
		THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F	SIZE C DWG NO 614131-052
		CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP. -ALL RIGHTS RESERVED.		ASME Y14.5M 1994	SCALE SHEET 1

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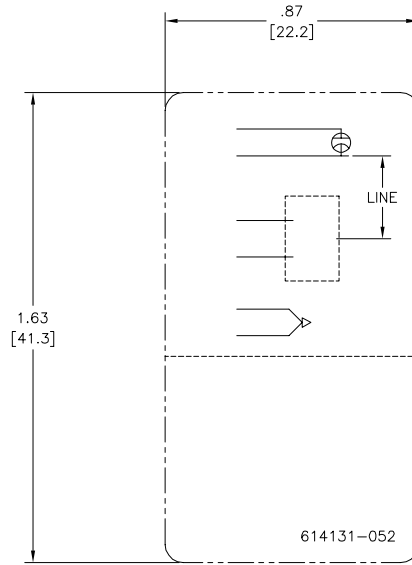
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0020045	YL	04-15-2011	HZ	04-15-2011



- NOTAS:
1. PARA USO CON PLACA DE DATOS EN BLANCO 614129 OR 2513020-001.
 2. INDICA LIMITES DE DIMENSION

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 ⊙ CONCENRICIDAD ⊖ 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:	YL	04-15-2011	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
		APROBADO POR:	HZ	04-15-2011	
		TERCER ANGULO DE PROYECCION		FECHA EDS: 02-22-2008 REV. FORMATO: F	TAMAÑO: C
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. -TODOS LOS DERECHOS RESERVADOS.ASME Y14.5M 1994		NUMERO DE DIBUJO:	614131-052
				ESCALA:	HOJA: 1

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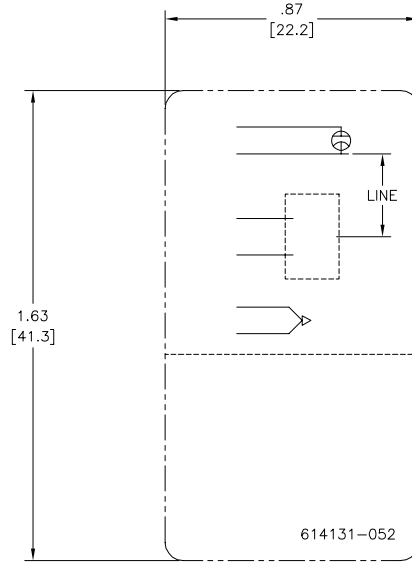
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版本	ECO	编制	日期	批准	日期
B	0020045	YL	04-15-2011	HZ	04-15-2011



形位公差 □ 平面度 — 直线度 ∠ 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊙ 圆跳动 Ⓜ 面轮廓度 Ⓡ 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 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[]	绘图： YL 批准： HZ 第三角投影	04-15-2011 04-15-2011 图纸格式发布日期 02-22-2008 图纸格式版本 F	AC Smith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
	名称 CONN DIAGRAM-NAMEPLATE	图幅 C	图号 614131-052	比例 1
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	图纸格式发布日期 02-22-2008 图纸格式版本 F			

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