

# PRODUCT INFORMATION PACKET



Model No: FS1037S  
Catalog No: FS1037S  
1/3 HP Condenser Fan Motor, 1075 RPM, 208-230 Volts, 48 Frame, Semi Enclosed  
Condenser Fans Motors



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**Nameplate Specifications**

Output HP	1/3 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.4 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	Sleeve	Opp Drive End Bearing	Sleeve
Frame Material	Rolled Steel	Shaft Type	Double Flat
Overall Length	11.18 in	Frame Length	3.63 in
Shaft Diameter	0.500 in	Shaft Extension	6.5 in
Outline Drawing	FS1037S-S01	Connection Drawing	614131-115

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4

3

2

1

GENERAL INFORMATION:

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

END PLAY: .010 TO .063 [.25 TO 1.60]

BEARINGS: SLEEVE

MOUNTING POSITION: HORIZONTAL OR VERTICAL SHAFT-UP

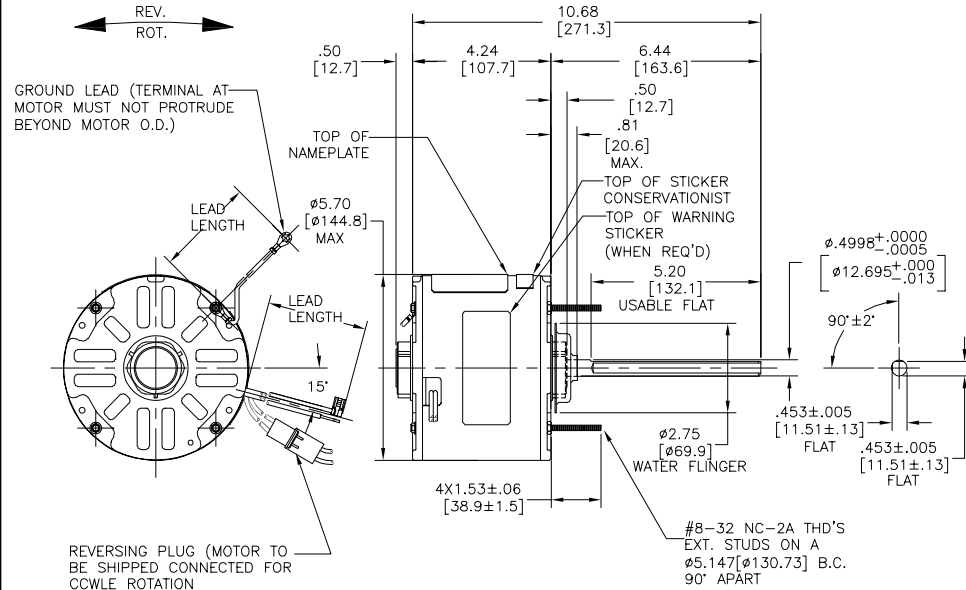
ELECTRICAL DATA:

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

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

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

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



NOTES:  
1. MOUNTING RING 1014B28H03 (2 REQ'D.) TO BE PACKED WITH MOTOR

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.

LEAD DATA		
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
BLACK	26.0/28.0 [660/711]	.50 [12.7] SKIN
YELLOW	26.0/28.0 [660/711]	.50 [12.7] SKIN
BROWN	26.0/28.0 [660/711]	.25 [6.35] FLAG
BROWN/WHITE	26.0/28.0 [660/711]	.25 [6.35] FLAG
BLACK/WHITE	4.0/6.0 [102/152]	REVERSING PLUG
GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET

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

CUSTOMER	DISTRIBUTION SERVICE

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48SH6L1 CUST. P/N: FS10375 HP: 1/3 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 2.4 HZ: 60 INS.: B AMB.: 60°C DUTY: AIR OVER CAP.: 5 MFD/370 V ENCL: SEMI-ENCL. UL LOGO CSA LOGO THERMALLY PROTECTED	SEP. CAP. BROWN BRN/WHT YELLOW BLACK LINE ROTATION BLACK WHITE CCWLE BLACK WHITE CWLE

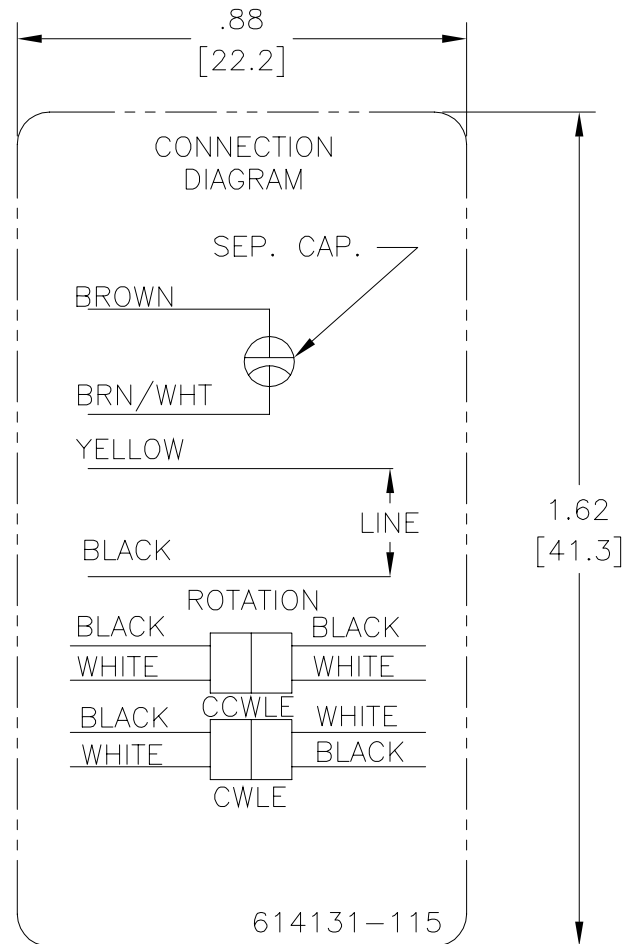
PERFORMANCE CURVE NO.	TORQUE @ 1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C22792	36.3 OZ. FT.	EX11144	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION	REVISION BY	DATE
A	J. COX	11-20-2013
ECC-0041020	C. McREYNOLDS	11-20-2013
ECC DESCRIPTION CHANGE AMPS		

DRAWN BY: RP	DATE: 10-19-2006	APPROVED BY:	DESCRIPTION: MODEL-RFHP-48FR OUTLINE
DATE:		PROCESS/FINISH:	MATERIAL:
THIRD ANGLE PROJECTION	SIZE (DWG NO): C	FS10375	SHEET 1

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REV	ECO	REV BY	DATE	APPD	DATE
C	0027023	N.HONG	06-25-2012	B.SHEN	06-25-2012



**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:**

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

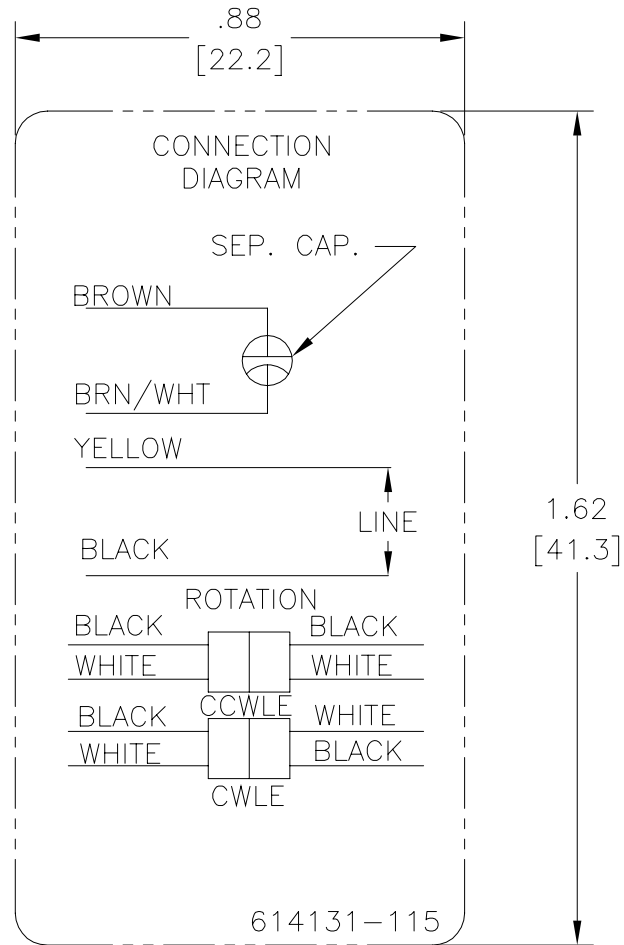
METRIC DIMS. SHOWN IN [BRACKETS]

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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<b>REGAL-BELOIT CORPORATION</b>			
DESCRIPTION CONN DIAGRAM EXTERNAL			
SIZE	A	DWG NO	614131-115
SCALE	NONE	SHEET	1

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REVISION:	ECO	REVISADO POR:	N.HONG	FECHA:	06-25-2012	APROBADO POR:	B.SHEN	FECHA:	06-25-2012
C	0027023								



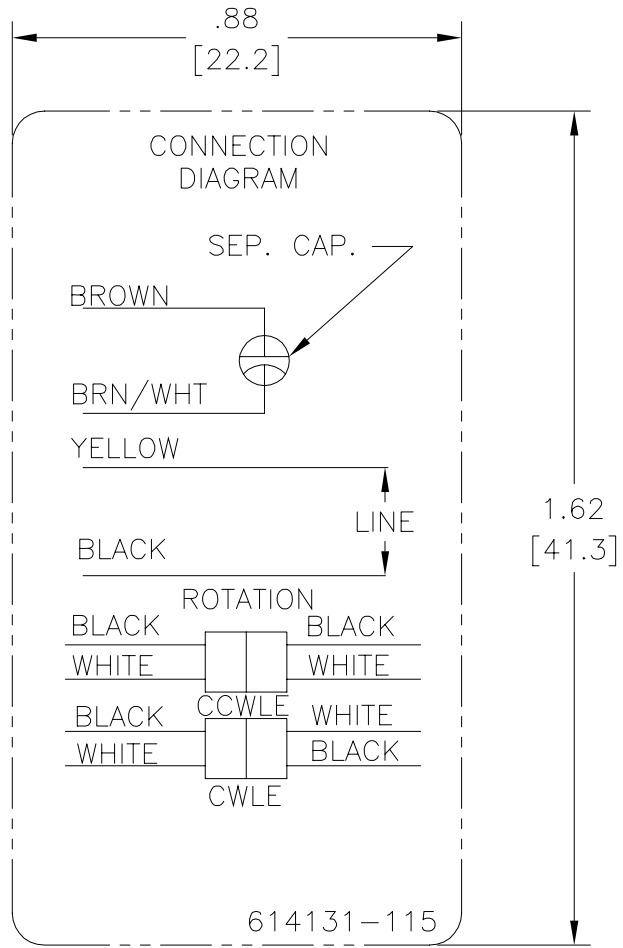
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<b>CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS</b> Z PLANICIDAD — RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA / VARIACION ⊕ POSICION REAL ⊙ CONCENTRICIDAD = SIMETRIA	A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS. SON LAS SIGUIENTES: 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 APROBADO POR: triley TERCER ANGULO DE PROYECCION:                  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.	06-24-2010 06-24-2010 FECHA EDS: 11-11-2011 REV. FORMATO: H	<b>REGAL-BELOIT CORPORATION</b> DESCRIPCION: CONN DIAGRAM EXTERNAL TAMANO: A NUMERO DE DIBUJO: 614131-115 ESCALA: NONE HOJA: 1
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C	0027023	N.HONG	06-25-2012	B.SHEN	06-25-2012



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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 [ ]	绘图: jrupert 批准: triley 第三角投影	06-24-2010 06-24-2010 图纸格式发布日期 11-11-2011 图纸格式版本 H	<b>REGAL-BELOIT CORPORATION</b> 名称 CONN DIAGRAM EXTERNAL 图幅 A 图号 614131-115 比例 NONE 页号 1
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