

PRODUCT INFORMATION PACKET



Model No: EM3738F

Catalog No: EM3738F

PRO-E SERIES® Condenser Fan Motor, 1/2 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 1 Speed, 48 Frame, TEAO



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Nameplate Specifications

Phase	1	Output HP	1/2 Hp
Output KW	0.37 kW	Voltage	460 V
Speed	1075 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	1.5 A
Duty	Air Over	Insulation Class	F
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

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	Flat
Overall Length	12.17 in	Frame Length	5.69 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Connection Drawing	614131-292	Outline Drawing	EM3738F_FA

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GENERAL INFORMATION:

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

BEARINGS: BALL

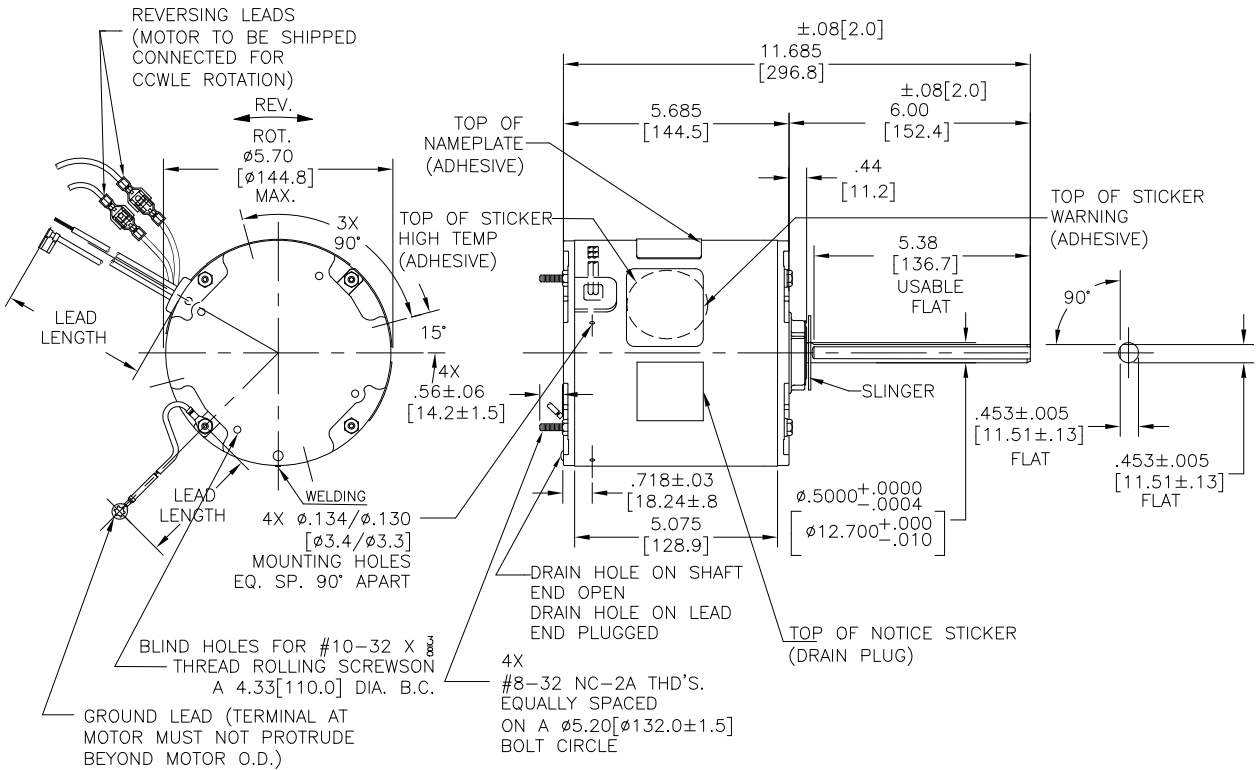
MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 304)

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

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



- NOTES:
- CENTURY OUTSIDE MOTOR SERIES.
 - 4X SCREWS N194P1504B9 & 4X HEX NUTS N238P15B9, 4X SCREW 13833003 TO BE PUT IN A POLYBAG
 - SPRING SHIM IN LE SIDE.
 - ALL LABEL READ FROM LE

GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET
PURPLE (REV)	4.0/6.0 [102/152]	.25[6.4] PRE-INSUL. MALE TAB
PURPLE (REV)	4.0/6.0 [102/152]	.25[6.4] PRE-INSUL. FEMALE SPADE
YELLOW (REV)	4.0/6.0 [102/152]	.25[6.4] PRE-INSUL. MALE TAB
YELLOW (REV)	4.0/6.0 [102/152]	.25[6.4] PRE-INSUL. FEMALE SPADE
BROWN/WHITE	35.0/37.0 [889/940]	.25[6.4] FLAG
BROWN	35.0/37.0 [889/940]	.25[6.4] FLAG
WHITE	35.0/37.0 [889/940]	.50[12.7] SKIN
BLACK	35.0/37.0 [889/940]	.50[12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

MAIN FRAME - OLE	ENCLOSED
END FRAME - OLE	ENCLOSED
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED

CUSTOMER CENTURY

LEAD DATA

DRAWING REVISION	REVISION BY	DATE
ECO	AD	02.03.24
ECR-0230275	APPROVED BY	DATE
LE E/S CHG.&SCREW ADDED IN NOTES 2	LS	02.03.24
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ENCLOSURE

DRAWN BY:	MANOJ
DATE:	14.03.19
APPROVED BY:	LAXMAN
DATE:	14.03.19
PROCESS/FINISH	-
THIRD ANGLE PROJECTION	

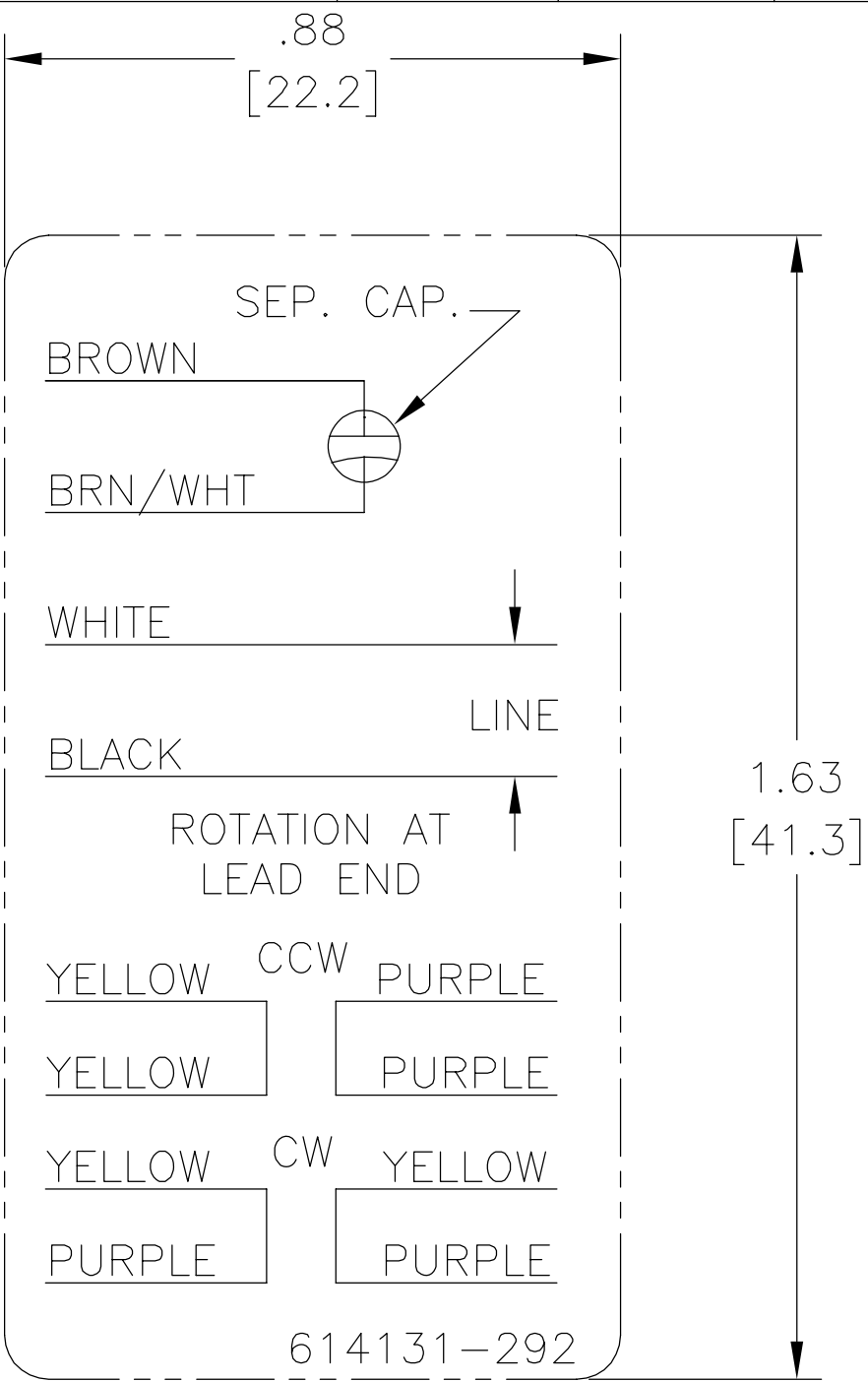


Regal Beloit America, Inc.

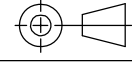
MODEL-RFHP-48FR OUTLINE

SIZE	DWG NO	SHEET
C	EM3738F_FA	1

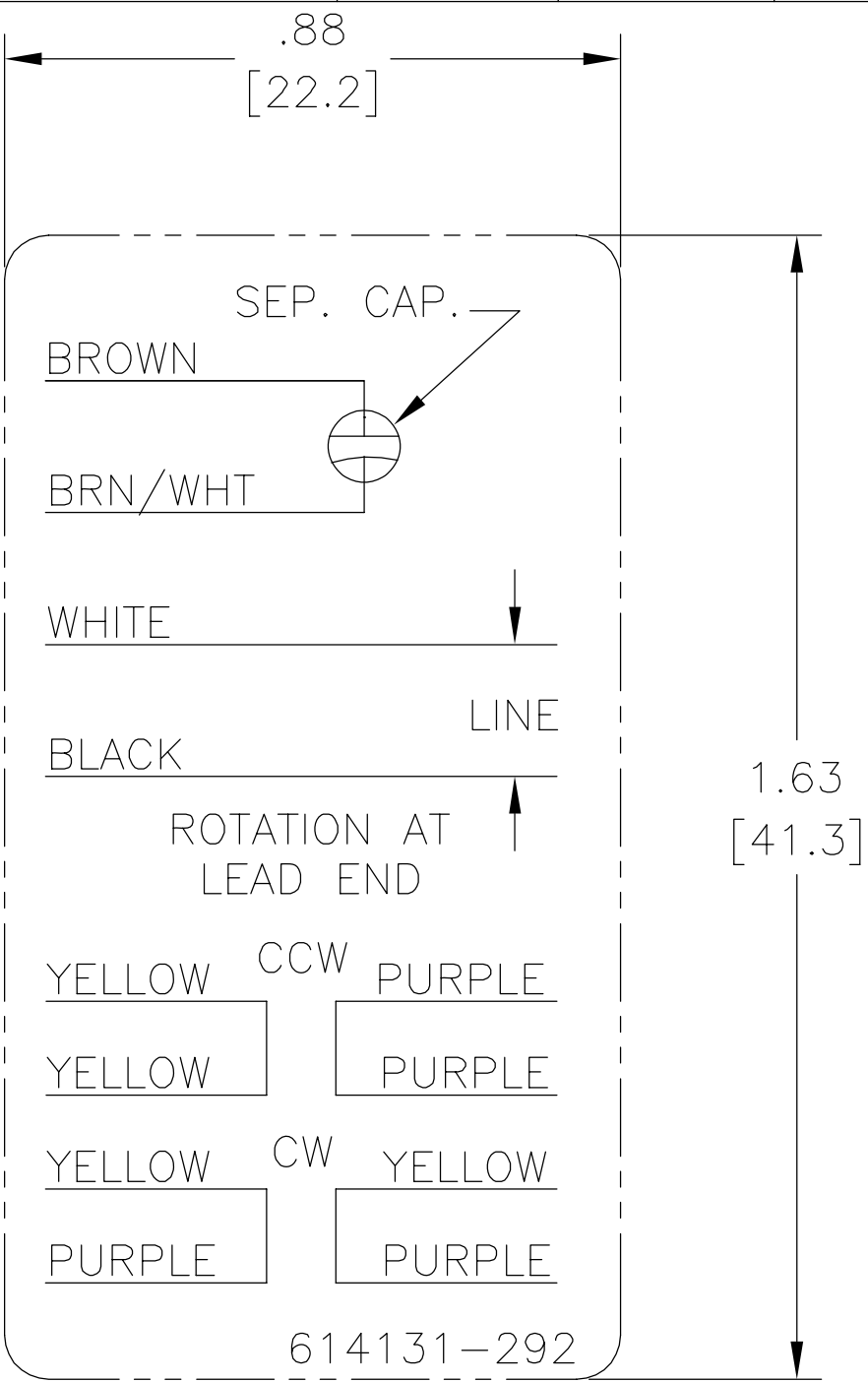
REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0022458	jrupert	09-19-2011	jrupert	09-19-2011



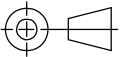
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1. FOR USE WITH 614129 NAMEPLATE BLANK
 2. — — — — — INDICATES DIMENSION LIMITS
 3. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION
 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX mm ±.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	09-19-2011	 ELECTRICAL PRODUCTS COMPANY INNOVATION HAS A NAME. A DIVISION OF A. O. SMITH CORPORATION	
		APPD: jrupert	09-19-2011		
		THIRD ANGLE PROJECTION 	EDS DATE 02-22-2008 FORMAT REV F	DESCRIPTION CONN DIAGRAM NAMEPLATE	
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		SIZE A	DWG NO 614131-292		
		SCALE NONE		SHEET 1	

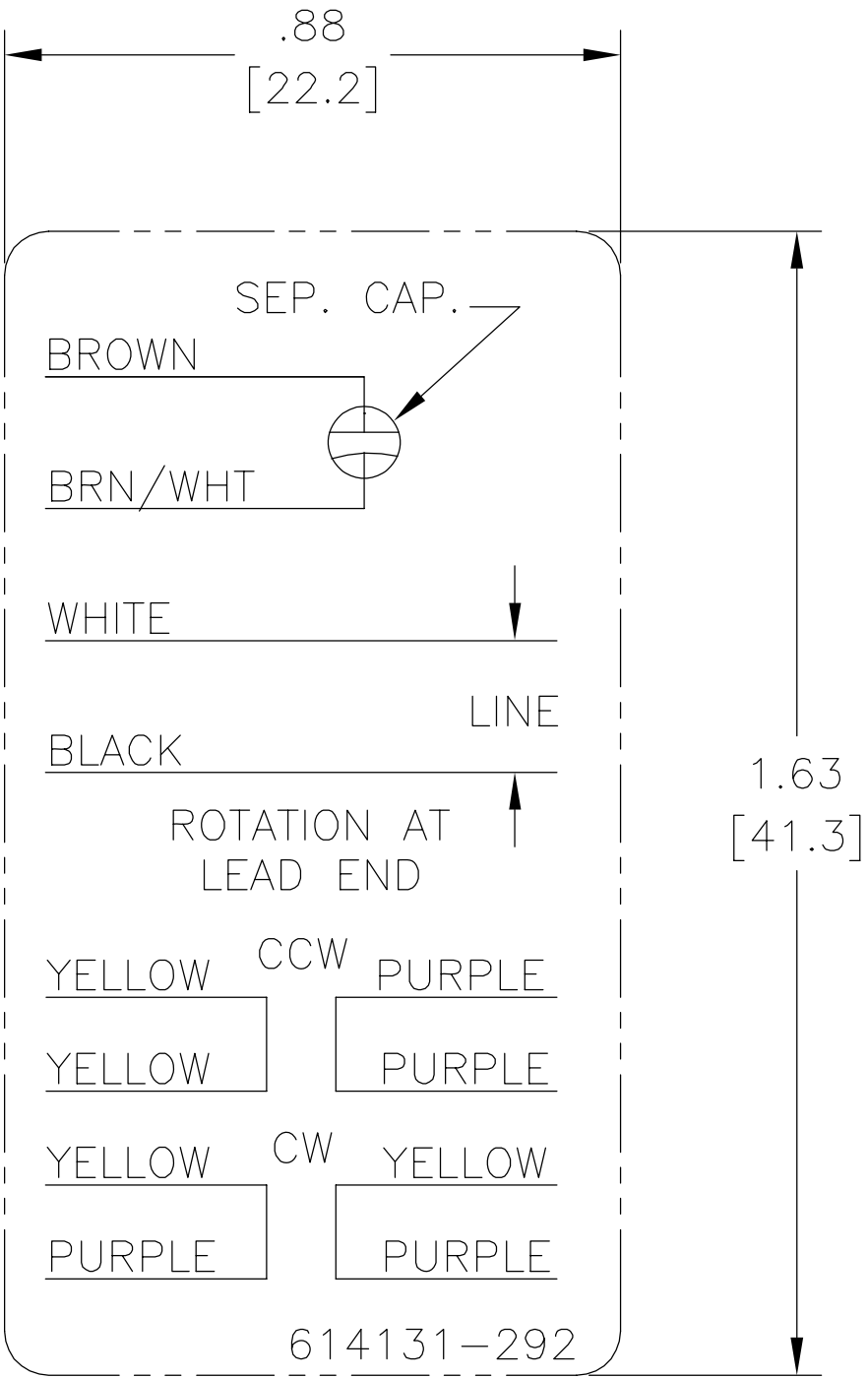
REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0022458	jrupert	09-19-2011	jrupert	09-19-2011



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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	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	09-19-2011	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
		APROBADO POR: jrupert	09-19-2011		
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版本	ECO	编制	日期	批准	日期
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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:	绘图: jrupert 09-19-2011		ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
	英寸 X XX XXX XXXX ±.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[]	批准: jrupert 09-19-2011		名称 CONN DIAGRAM NAMEPLATE	
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