

PRODUCT INFORMATION PACKET



Model No: EM3404F
Catalog No: EM3404F
1/4 HP Condenser Fan Motor, 825 RPM, 208-230 Volts, 48 Frame, TEAO
Condenser Fans 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	1.3-1.4 A	Speed	825 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	F
Frame	48Y	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	8	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	11.17 in	Frame Length	4.00 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Outline Drawing	EM3404F-S01	Connection Drawing	614131-292

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GENERAL INFORMATION:

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

BEARINGS: BALL

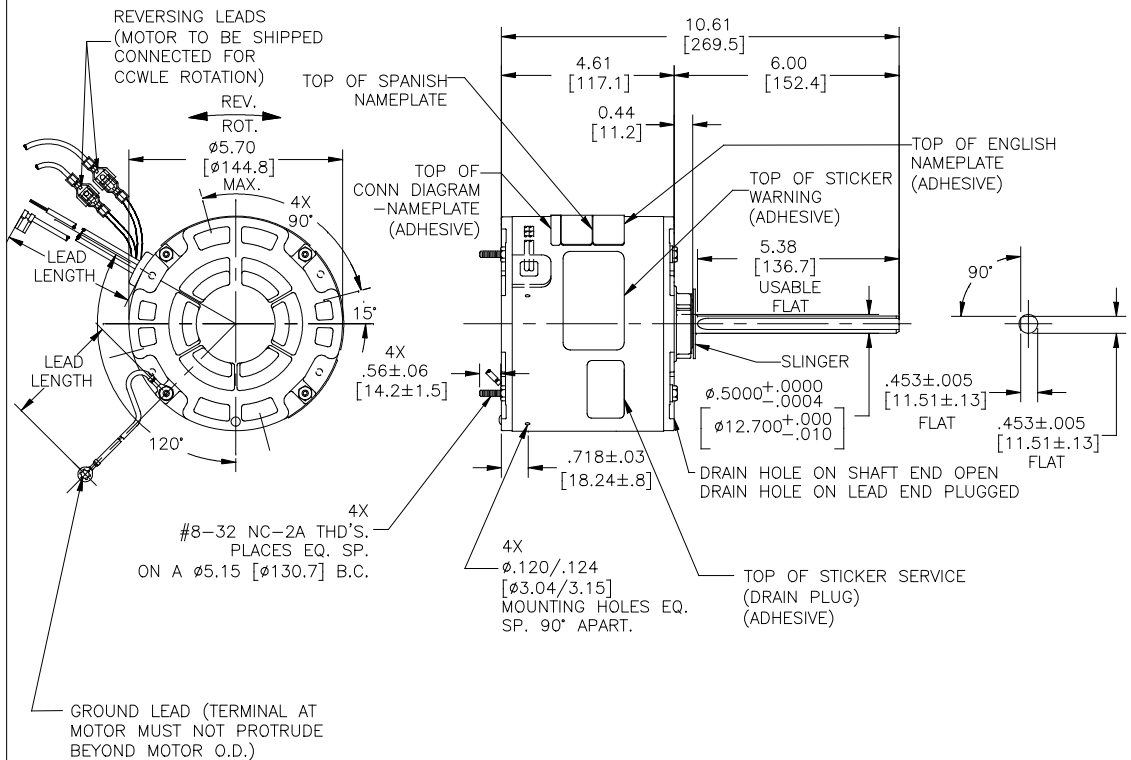
MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)

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

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



- NOTES:
- 4X SCREWS 615982-001 & 4X HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.
 - THE SYMBOL OF CTQ: ▲ (NO CTQ ON THIS DRAWING).
 - MEET THE REQUIREMENT OF RoHS & REACH, SEE EPO00014_5.1.

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.

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

CUSTOMER: EconoMaster

GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET
PURPLE (REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. MALE TAB
PURPLE (REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. FEMALE SPADE
YELLOW (REV)	4.0/6.0 [102/152]	.25[6.4] PER-INSUL. MALE TAB
YELLOW (REV)	4.0/6.0 [102/152]	.25[6.4] PER-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

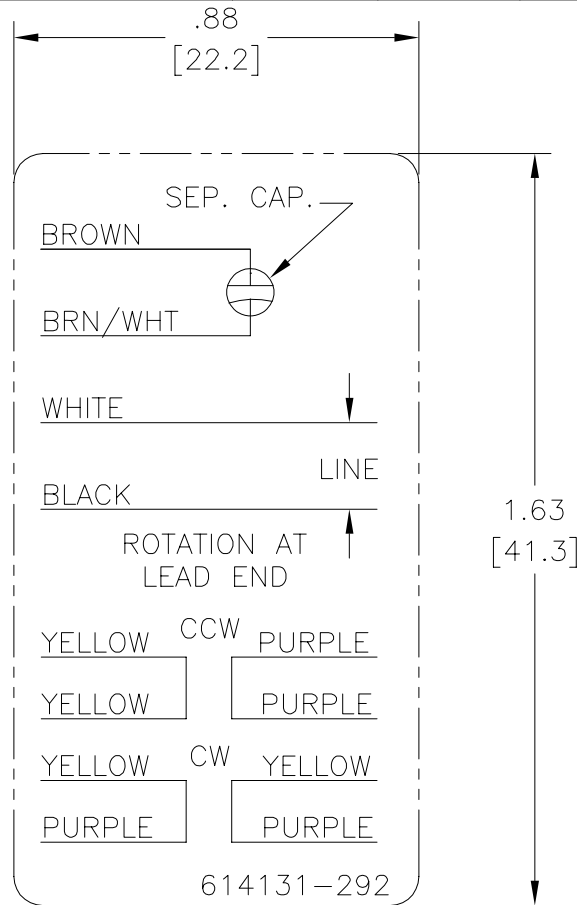
NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AF35A01 CUST. P/N: EM3404F HP: 1/4 ROT.: REVERSIBLE RPM: 825 TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 1.3-1.4 HZ: 60 INS.: F AMB.: 70°C DUTY: AIR OVER CAP.: 5MFD/370V ENCL: ENCLOSED UL LOGO & FILE NO. CSA LOGO & FILE NO. THERMALLY PROTECTED TYPE T	<p>614131-292</p>

PERFORMANCE CURVE NO.	TORQUE @825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT	CSA
C30583	26.1 OZ. FT.		FILE # CCN # FILE # CLASS #	
			E46412 PRGY2 LR43341 4211-01	

LEAD DATA		ENCLOSURE		CUST. NO. EM3404F	SHEET 1
DRAWING REVISION	REVISION BY	DATE	DRAWN BY:		
H	NANCY LIU	06-18-2020	C.ZHANG		
ECO	APPROVED BY:	DATE	DATE:		
ECO-0187955	KEYUN GONG	06-18-2020	12-24-2013		
SEE ECO			APPROVED BY:		
			T.ZHAO		
			DATE:		
			12-24-2012		
			PROCESS/FINISH		
THIRD ANGLE PROJECTION		SIZE	DWG NO.	EM3404F	
		C			

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



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

**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

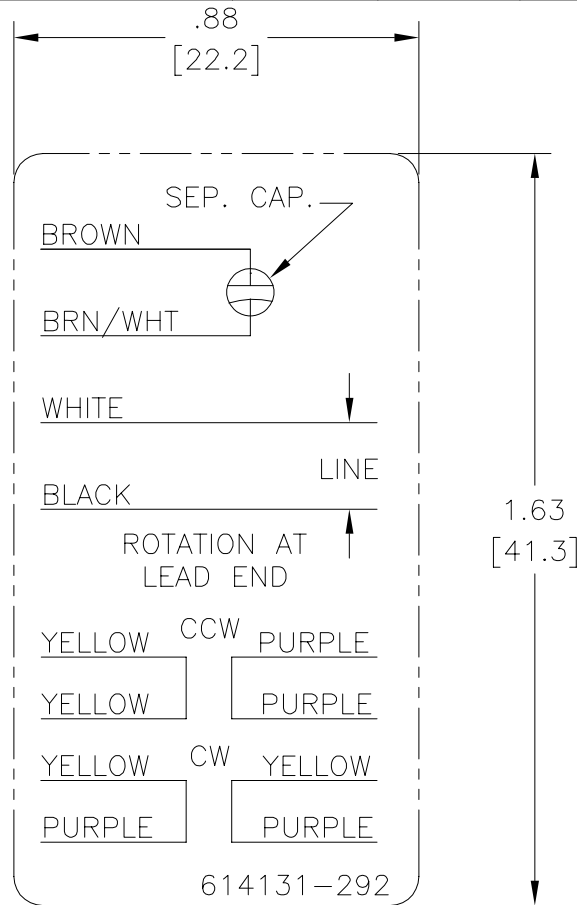
METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	jrupert	09-19-2011
APPD:	jrupert	09-19-2011
THIRD ANGLE PROJECTION		EDS DATE 02-22-2008 FORMAT REV F
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ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONN DIAGRAM NAMEPLATE	
SIZE	A
DWG NO	614131-292
SCALE	NONE
SHEET	1

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



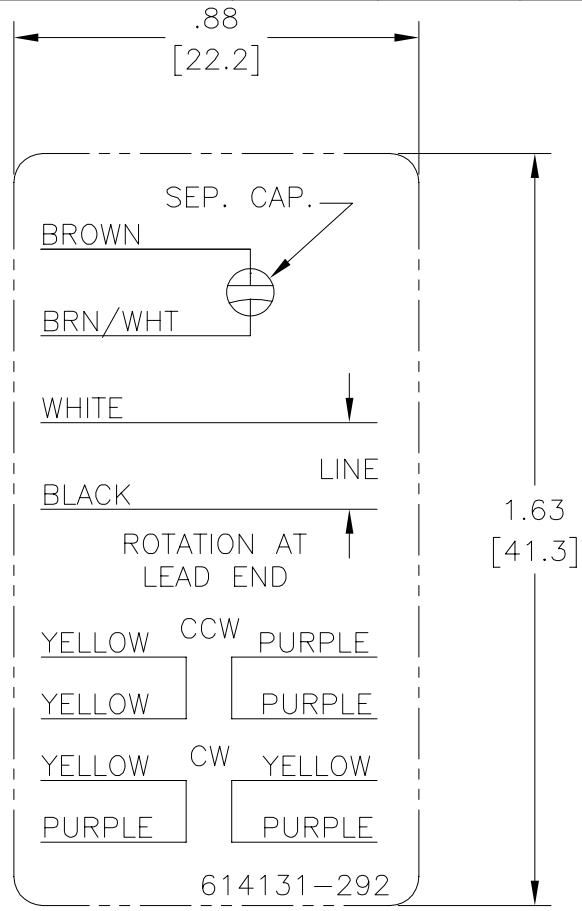
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CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS Z PLANICIDAD — RECTITUD < ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ∅ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∩ PERFIL DE CUALQUIER LINEA / VARIACION ⊕ POSICION 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 09-19-2011 APROBADO POR: jrupert 09-19-2011 TERCER ANGULO DE PROYECCION (Symbol)	09-19-2011 09-19-2011 FECHA EDS: 02-22-2008 REV. FORMATO: F		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
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	TAMAÑO: A NUMERO DE DIBUJO: 614131-292				ESCALA: NONE HOJA: 1	
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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:

	X	XX	XXX	XXXX
英寸	±.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	09-19-2011
批准:	jrupert	09-19-2011
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名称 CONN DIAGRAM NAMEPLATE	
图幅	图号 614131-292
比例	NONE
页号	1