## PRODUCT INFORMATION PACKET



Model No: EM3731F Catalog No: EM3731F

PRO-E SERIES® Condenser Fan Motor, 3/4 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame,

**ENCLOSED** 





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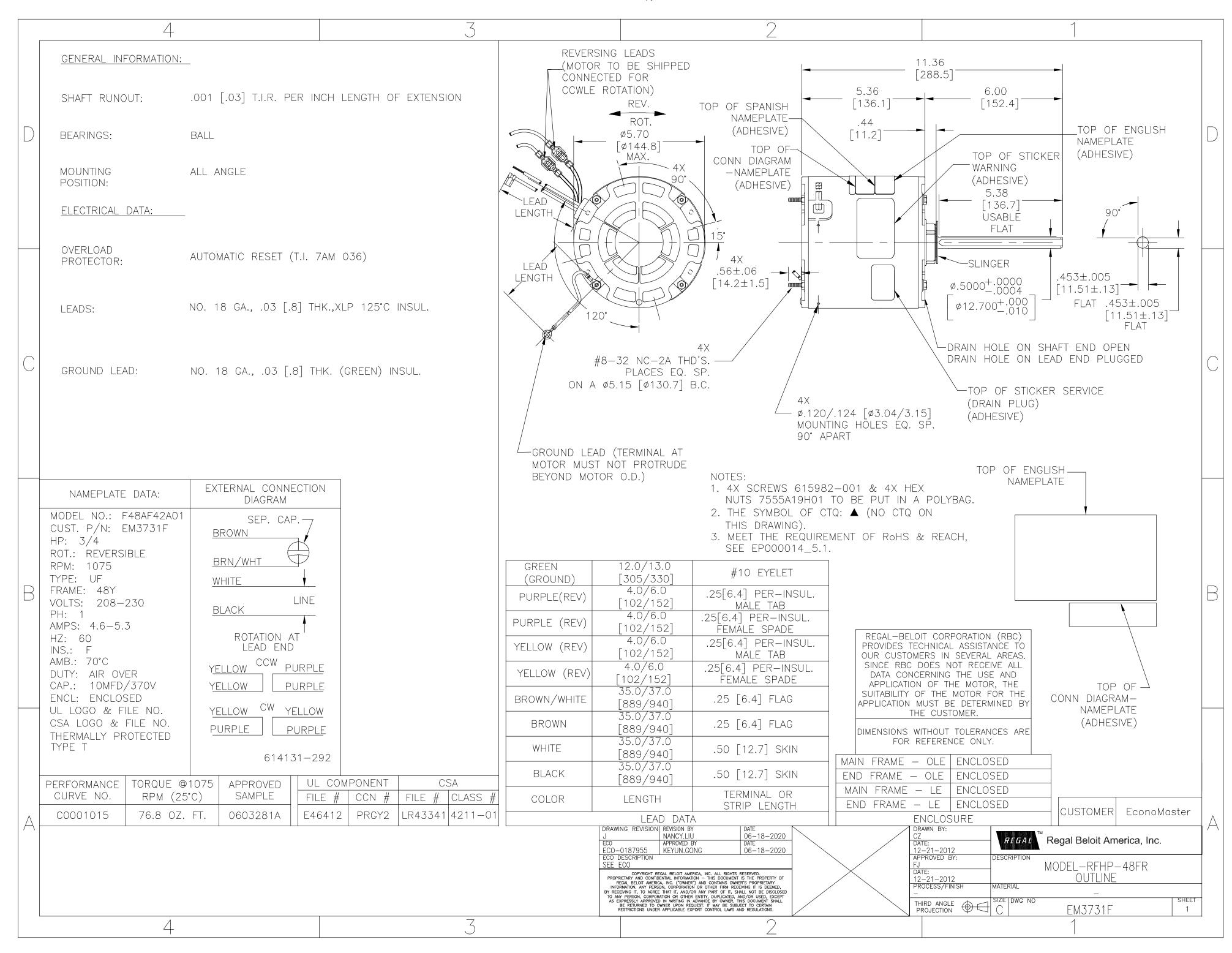
## Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW	
Frequency	60 Hz	Voltage	208-230 V	
Current	4.6-5.3 A	Speed	1075 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	Υ	
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	11.92 in	Frame Length	4.75 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Connection Drawing	614131-292	Outline Drawing	EM3731F-S01

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Uncontrolled Copy REV DATE APPD DATE ECO-0022458 09-19-2011 09-19-2011 jrupert lirupert .88 [22.2]SEP. CAP. BROWN BRN/WHI WHITE LINE BLACK 1.63 ROTATION AT [41.3] LEAD END YELLOW PURPLE NOTES: PURPLE YELLOW 1. FOR USE WITH 614129 NAMEPLATE BLANK YELLOW YELLOW PURPLE PURPLE INDICATES DIMENSION LIMITS 614131 - 2923. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION. GEOMETRIC CHARACTERISTICS & SYMBOLS

| FLATNESS | STRAIGHTNESS UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: DR BY: **ELECTRICAL PRODUCTS** 09-19-2011 jrupert **COMPANY** X XX XXXX 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: APPD: A DIVISION OF A. O. SMITH CORPORATION innovation has a name. ∠ ANGULARITY irupert 09-19-2011 PERPENDICULARITY (SQUARENESS) DESCRIPTION EDS DATE 02-22-2008 // PARALLELISM CONN DIAGRAM NAMEPLATE THIRD ANGLE PROJECTION ( ) O ROUNDNESS (CIRCULARITY) FORMAT REV / CYLINDRICITY 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 PROFILE OF ANY SURFACE
PROFILE OF ANY LINE INCH .020 mm 0.5 DWG NO # RUNOUT + TRUE POSITION O CONCENTRICITY MACHINE SURFACES: 614131 - 292INCH 125/ mm 3.2/

THE WRITTEN CONSENT OF A.O. SMITH CORP.

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METRIC DIMS. SHOWN IN [BRACKETS]

- SYMMETRY

SCALE NONE

ASME Y14.5M 1994

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SHEET 1

Uncontrolled Copy REVISION: REVISADO POR: APROBADO POR: FECHA: FECHA: ECO-0022458 09-19-2011 09-19-2011 jrupert irupert .88 [22.2]SEP. CAP. BROWN BRN/WHI WHITE LINE BLACK 1.63 ROTATION AT [41.3] LEAD END YELLOW PURPLE NOTES: PURPLE YELLOW 1. FOR USE WITH 614129 NAMEPLATE BLANK YELLOW YELLOW PURPLE PURPLE INDICATES DIMENSION LIMITS 614131 - 2923. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION. CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: **ELECTRICAL PRODUCTS** 09-19-2011 irupert LAS DIMS; SON LAS SIGUIENTES:

X XX XXX

PULG ±.1 ±.02 ±.005 ±.0005

mm ±0.5 ±0.13 ±0.013 **COMPANY** APROBADO POR: → RECITION

ANGULARIDAD

→ PERPENDICULARIDAD (A ESCUADRA)

// PARALELISMO

○ REDONDEZ (CIRCULARIDAD)

Ø CILINDRICIDAD

○ PERFIL DE CUALQUIER SUPERFICIE

○ PERFIL DE CUALQUIER LINEA A DIVISION OF A. O. SMITH CORPORATION innovation has a name. 09-19-2011 jrupert DESCRIPCION FECHA EDS: 02-22-2008 TERCER ANGULO ANG. ±.50 GRADOS ELIMINAR REBABAS Y ORILLAS FILOSAS CONN DIAGRAM NAMEPLATE DE PROYECCION REV. FORMATO: DEL BORDE. CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE TAMAÑO: A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, PULG .003-.015 mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5

PULG 125 mm 3.2 DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP.
DIMS METRICAS MOSTRADAS [PARENTESIS] — TODOS LOS DERECHOS RESERVADOS. ASME Y14.5M 1994

1 VARIACION

= SIMETRIA

+ POSICION REAL O CONCENTRICIDAD MAQUINAR SUPERFICIES

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HOJA: 1

NUMERO DE DIBUJO:

614131 - 292

**Uncontrolled Copy** 批准 日期 ECO-0022458 09-19-2011 09-19-2011 jrupert lirupert .88 [22.2] SEP. CAP. BROWN BRN/WHT WHITE LINE BLACK 1.63 ROTATION AT [41.3] LEAD END CCW YELLOW PURPLE NOTES: PURPLE YELLOW CW 1. FOR USE WITH 614129 NAMEPLATE BLANK YELLOW YELLOW PURPLE INDICATES DIMENSION LIMITS PURPLE 614131 - 2923. DIE TO BE MADE FROM MASTER SUPPLIED BY A. O. SMITH CORPORATION 4. DIE MUST PRODUCE A LEGIBLE IMPRESSION. 形位公差 口 平面度 一 直线度 — 倾斜度 除另有注明 **ELECTRICAL PRODUCTS ACSmith** 09-19-2011 尺寸公差如下: jrupert **COMPANY**  

 X
 XX
 XXX
 XXX

 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

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一对称度

NONE

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