PRODUCT INFORMATION PACKET

Model No: EM3403F
Catalog No: EM3403F
PRO-E SERIES® Condenser Fan Motor, 1/6 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 1 Speed, 48 Frame, TEAO



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2026 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

Phase	1	Output HP	1/6 Hp
Output KW	0.13 kW	Voltage	208-230 V
Speed	825 rpm	Service Factor	1.0
Frame	48Y	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	1.1-1.2 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	8	Rotation	Reversible
Mounting	Extended Studs	Motor Orientation	Any
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Steel	Shaft Type	Flat
Overall Length	10.71 in	Frame Length	4.19 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Connection Drawing	614131-292	Outline Drawing	EM3403F_FA

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:03/21/2026

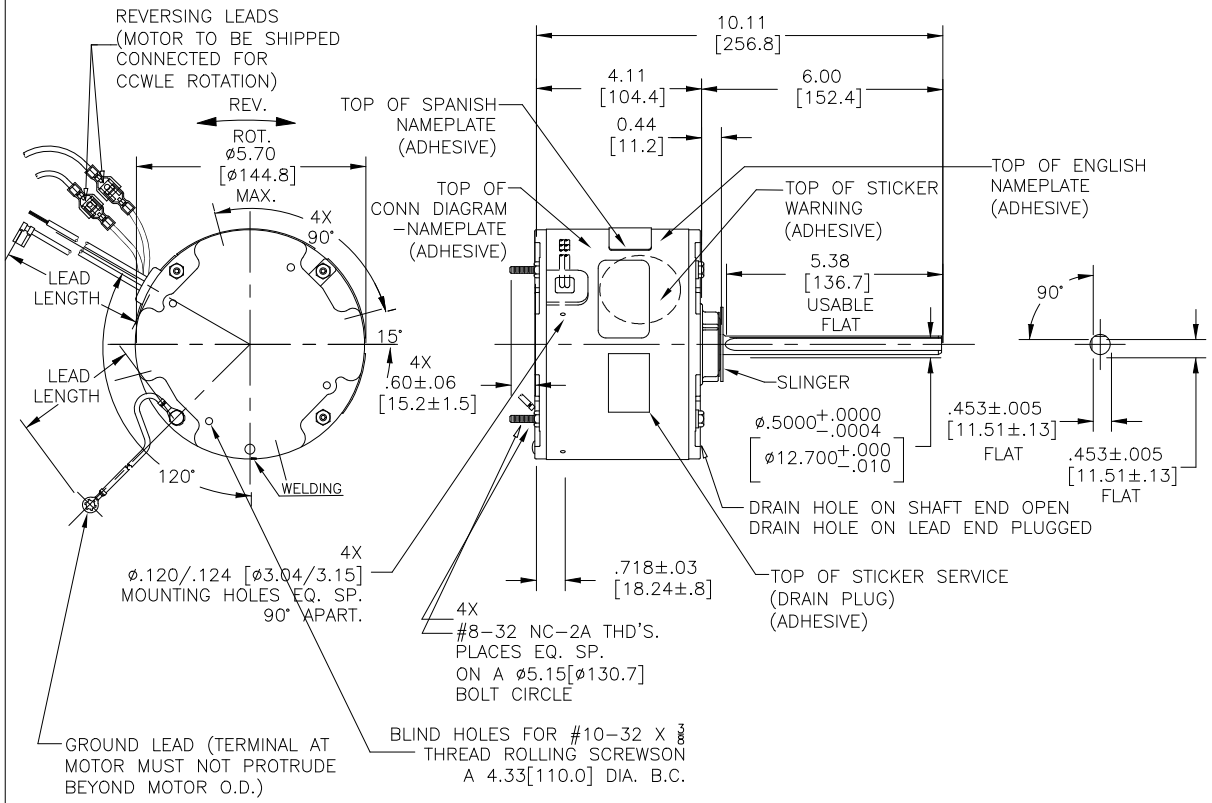
Uncontrolled Copy

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.



NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO:5KCP39FFDD578S CUST. P/N: EM3403F HP: 1/6 ROT.: REVERSIBLE RPM: 825 TYPE: UF FRAME: 48Y VOLTS: 208–230 PH: 1 AMPS: 1.1–1.2 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	SEP. CAP. BROWN BRN/WHT WHITE LINE BLACK ROTATION AT LEAD END CCW YELLOW PURPLE YELLOW PURPLE CW YELLOW YELLOW PURPLE PURPLE 614131–292

PERFORMANCE CURVE NO.	TORQUE @825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT		CSA	
			FILE #	CCN #	FILE #	CLASS #
C30785	21.7 OZ. FT.	------	E46412	PRGY2	LR43341	4211–01

LEAD DATA		
COLOR	LENGTH	TERMINAL OR STRIP LENGTH
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

NOTES:
1. CENTURY OUTSIDE MOTOR SERIES.
2. 4X SCREWS N194P1504B9 & 4X HEX NUTS N238P15B9,
   4x SCREW 13833003 TO BE PUT IN A POLYBAG
3. SPRING SHIM IN LE SIDE.
4. ALL LABEL READ FROM LE

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.

ENCLOSURE	
MAIN FRAME – OLE	ENCLOSED
END FRAME – OLE	ENCLOSED
MAIN FRAME – LE	ENCLOSED
END FRAME – LE	ENCLOSED

CUSTOMER	EconoMaster

DRAWING REVISION	REVISION BY	DATE
D	AD	12.02.26
ECO	APPROVED BY	DATE
ECR–0248827	KEP	12.02.26
ECO DESCRIPTION		
REVISED AMPS FROM 1.0–1.1 TO 1.1–1.2		

COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION – THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

DRAWN BY:	MANOJ
DATE:	15.02.19
APPROVED BY:	LAXMAN SINGH
DATE:	15.02.19
PROCESS/FINISH	–
THIRD ANGLE PROJECTION	

Regal Rexnord — Regal Beloit America, Inc.

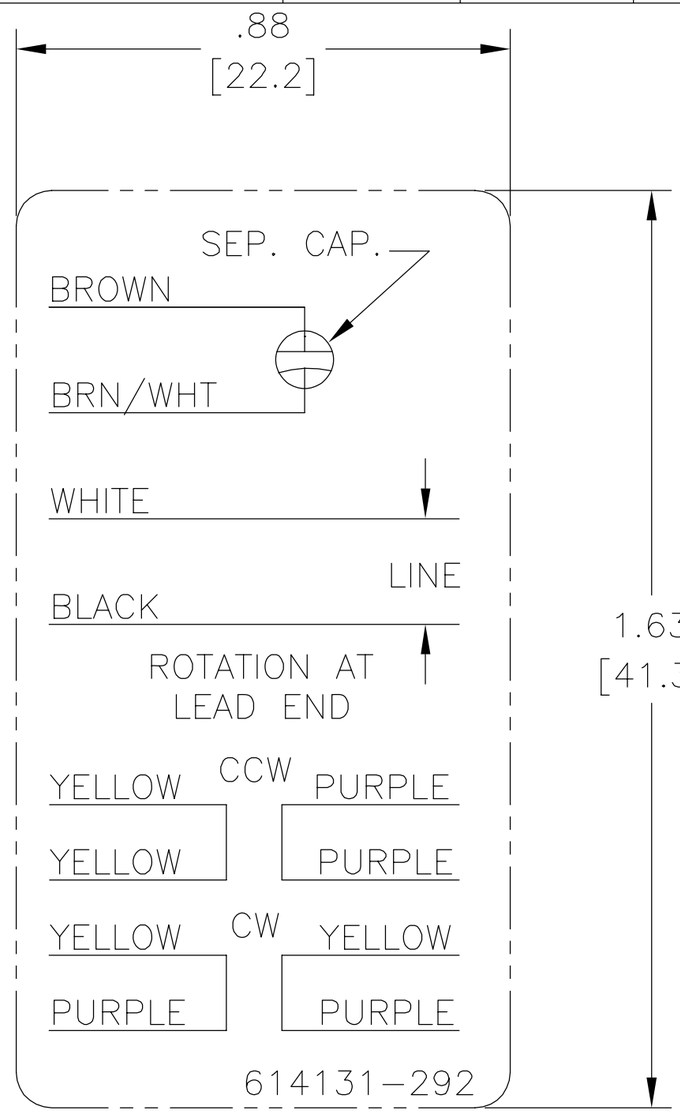
DESCRIPTION: MODEL–RFHP–48FR OUTLINE

MATERIAL: –

SIZE	DWG NO	SHEET
C	EM3403F_FA	1

Uncontrolled Copy

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:

	X	XX	XXX	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:
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

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

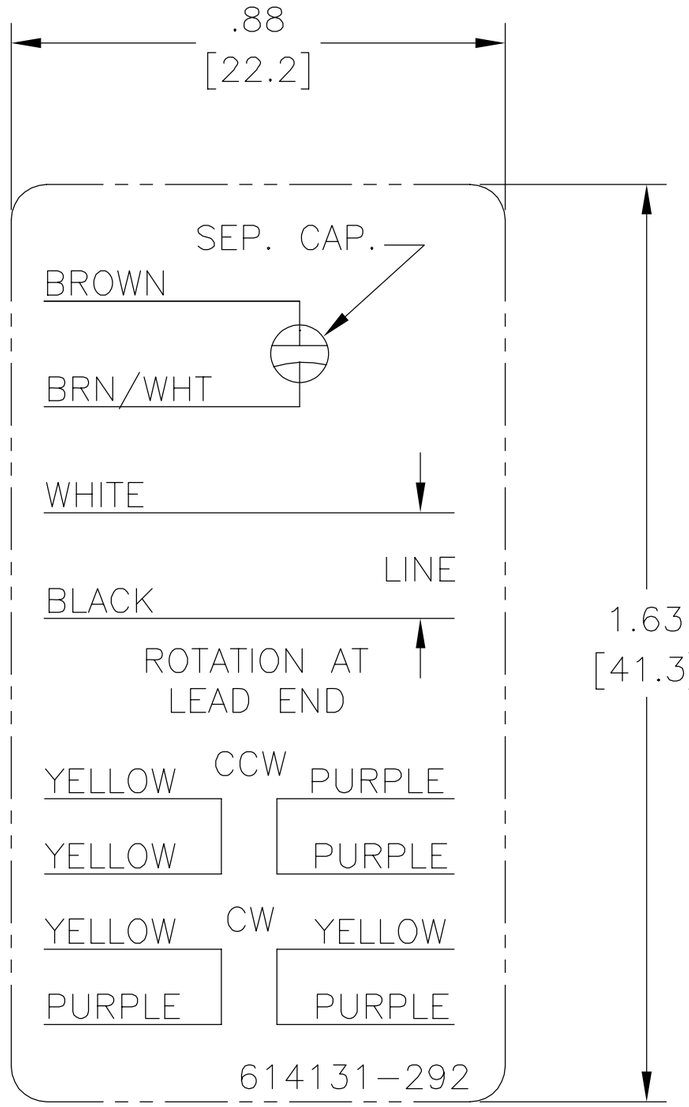
A.O. Smith Innovation has a name.
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPTION
CONN DIAGRAM NAMEPLATE

SIZE A | DWG NO 614131-292
SCALE NONE | SHEET 1

Uncontrolled Copy

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
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.

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
APROBADO POR: jrupert — 09-19-2011
TERCER ANGULO DE PROYECCION
FECHA EDS: 02-22-2008
REV. FORMATO: F

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

A.O. Smith — Innovation has a name.

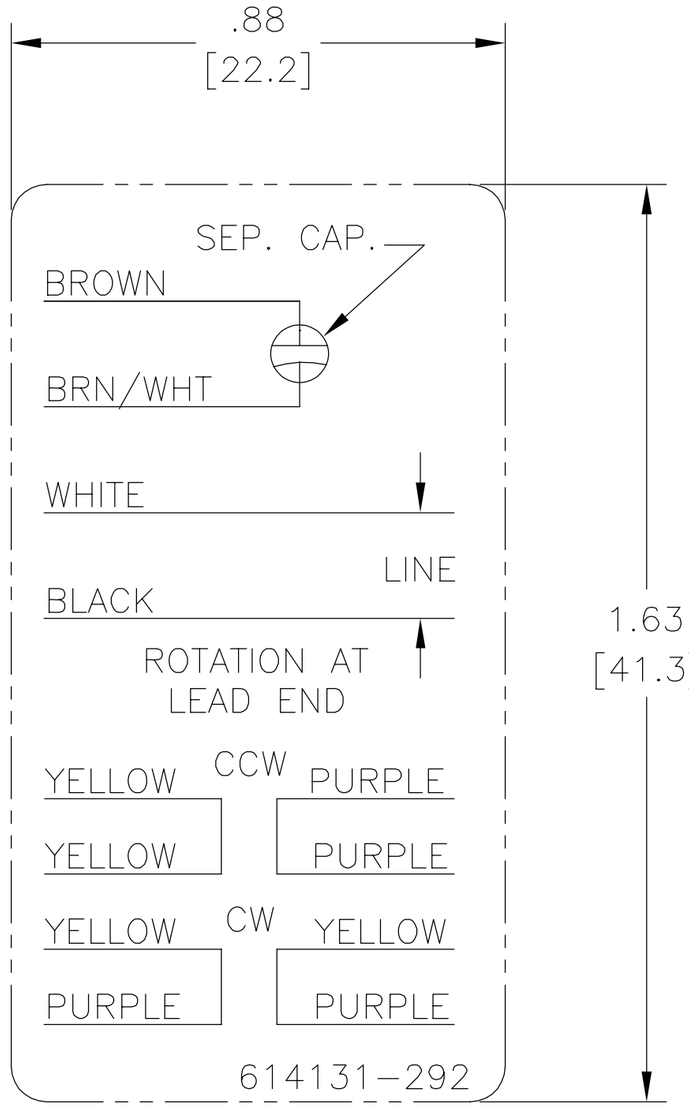
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

DESCRIPCION: CONN DIAGRAM NAMEPLATE

TAMAÑO: A
NUMERO DE DIBUJO: 614131-292
ESCALA: NONE
HOJA: 1

Uncontrolled Copy

版本	ECO	编制	日期	批准	日期
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.

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
第三角投影		图纸格式发布日期 02-22-2008
		图纸格式版本 F

机密：本图纸及相关信息所有权归A.O.SMITH公司所有。
未经A.O.SMITH公司书面授权，不得泄露、复制、传播或作其他用途。--版权所有

ASME Y14.5M 1994

A.O.Smith Innovation has a name.
ELECTRICAL PRODUCTS COMPANY
A DIVISION OF A. O. SMITH CORPORATION

名称	CONN DIAGRAM NAMEPLATE		
图幅	A	图号	614131-292
比例	NONE		页号 1