

PRODUCT INFORMATION PACKET



Model No: EM3469F
Catalog No: EM3469F

PRO-E SERIES® Condenser Fan Motor, 1/3, 1/5 HP, 1 Ph, 60 Hz, 208-230 V, 825 RPM, 2 Speed, 48 Frame,
ENCLOSED



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





Nameplate Specifications

Phase	1	Output HP	1/3, 1/5 Hp
Output KW	0.25 kW	Voltage	208-230 V
Speed	825 rpm	Service Factor	1
Frame	48Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	1.9, 1.2 A
Duty	Air Over	Insulation Class	F
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

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	11.84 in	Frame Length	4.63 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Outline Drawing	EM3469-S01	Connection Drawing	614131-308

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:09/18/2023

GENERAL INFORMATION:

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

BEARINGS: BALL

MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

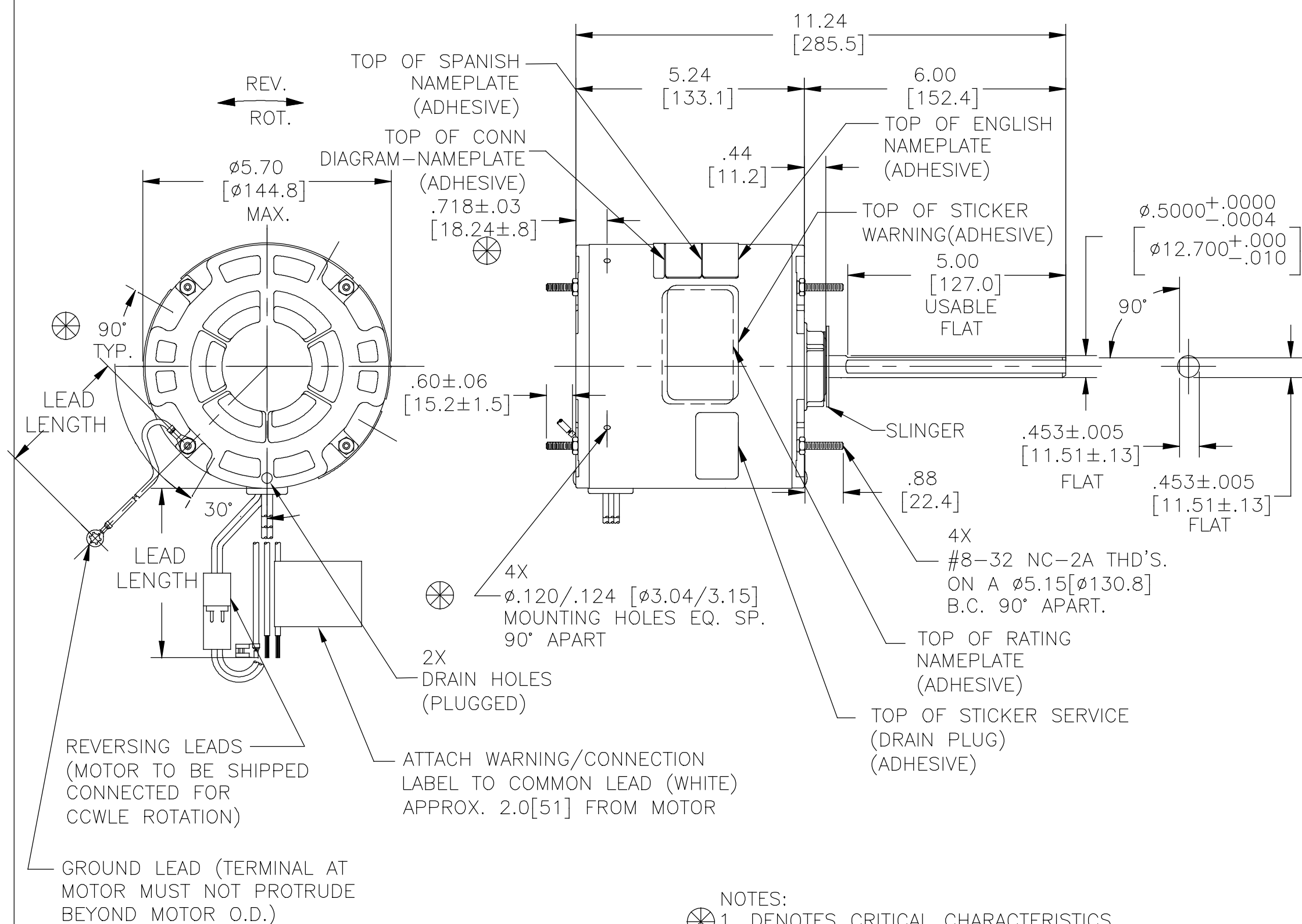
OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 036)

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

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

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

CAPACITOR: 7.5 MFD/370 VAC @ 230 VOLT
10 MFD/370 VAC @ 208 VOLT



- NOTES:
1. DENOTES CRITICAL CHARACTERISTICS.
 2. 4X SCREWS 615982-001 & 4X HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.
 3. THE SYMBOL OF CTQ: ▲ (NO CTQ ON THIS DRAWING).
 4. MEET THE REQUIREMENT OF RoHS & REACH, SEE EP000014_5.1.

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AE79A01 CUST. P/N: EM3469 HP: 1/3, 1/5 ROT.: REVERSIBLE RPM: 825/2 SPD. TYPE: UF FRAME: 48Y VOLTS: 208-230 PH: 1 AMPS: 1.9, 1.2 HZ: 60 INS.: B AMB.: 60°C DUTY: AIR OVER CAP.: 10 OR 7.5 MFD/370V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	

COLOR	LENGTH	TERMINAL OR STRIP LENGTH
GREEN (GROUND)	12.0/13.0 [305/330]	#10 EYELET
BLACK/WHITE	3.0/5.0 [76/127]	REVERSING PLUG
BROWN	35.0/37.0 [889/940]	.25 [6.4] FLAG
BROWN/WHITE	35.0/37.0 [889/940]	.25 [6.4] FLAG
RED	35.0/37.0 [889/940]	.50 [12.7] SKIN
WHITE	35.0/37.0 [889/940]	.50 [12.7] SKIN
BLACK	35.0/37.0 [889/940]	.50 [12.7] SKIN

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 WITH DRAIN PLUG
MAIN FRAME - LE	ENCLOSED
END FRAME - LE	ENCLOSED WITH DRAIN PLUG

CUSTOMER: EconoMaster

PERFORMANCE CURVE NO.	TORQUE @825 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C0000325	37.7 OZ. FT.	X-0000534	E46412	PRGY2	LR43341	4211-01

DRAWING REVISION	REVISION BY	DATE
J	GELINE.ZHAO	06-12-2020
ECO	KEYUN.GONG	06-12-2020
ECO-0187793		
SEE ECO		

DRAWN BY:	DATE:
CZ	10-19-2011
APPROVED BY:	DATE:
DL	10-19-2011
PROCESS/FINISH	DATE:

REGAL™ Regal Beloit America, Inc.

DESCRIPTION: MODEL-RFHP-48FR OUTLINE

MATERIAL: -

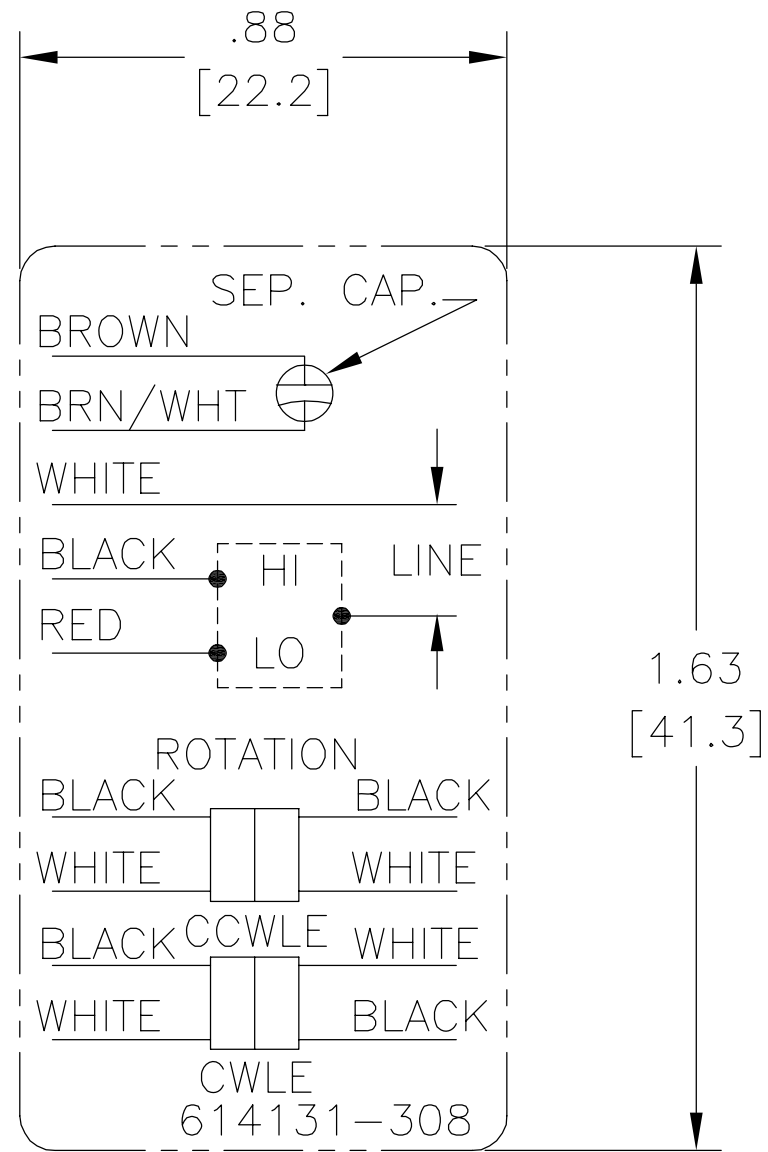
THIRD ANGLE PROJECTION

SIZE DWG NO: C

SHEET 1

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.

REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0021670	jrupert	07-22-2011	jrupert	07-22-2011

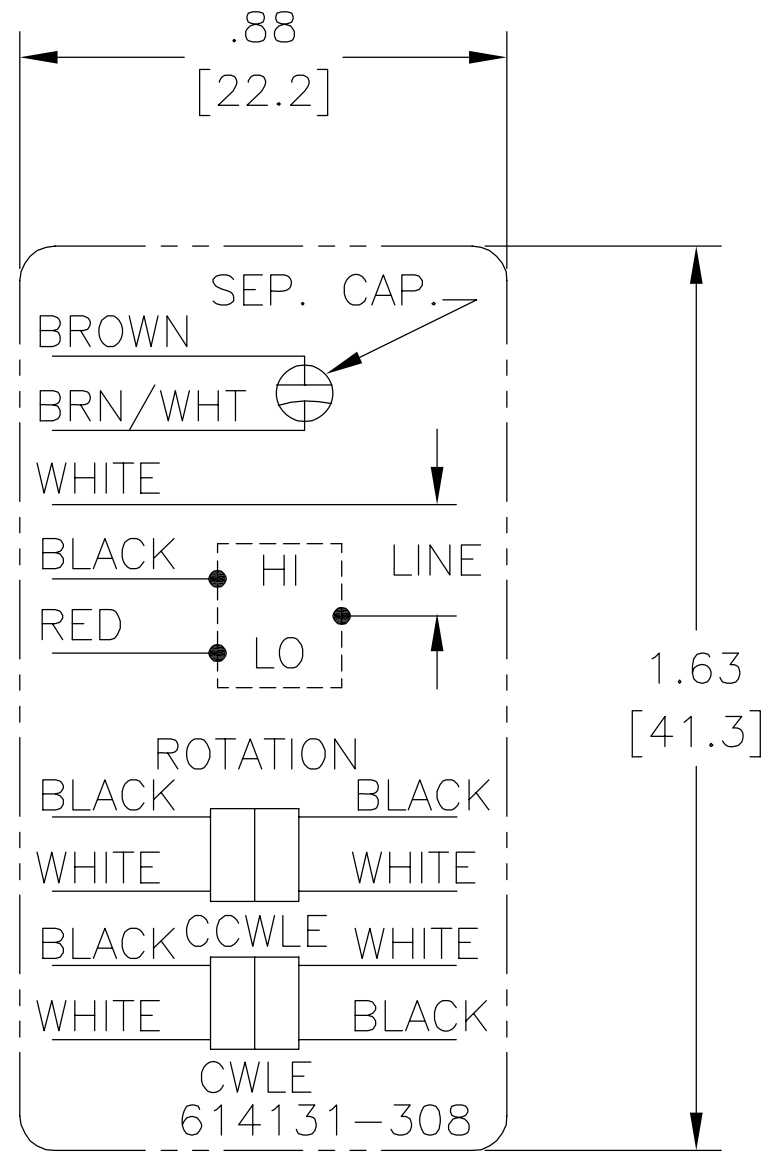


NOTES:

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 X XX XXX XXXX 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	07-22-2011	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION		
		APPD:	jrupert	07-22-2011		DESCRIPTION	CONN DIAGRAM NAMEPLATE
		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		SIZE	DWG NO
				A	614131-308	SCALE	NONE

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0021670	jrupert	07-22-2011	jrupert	07-22-2011

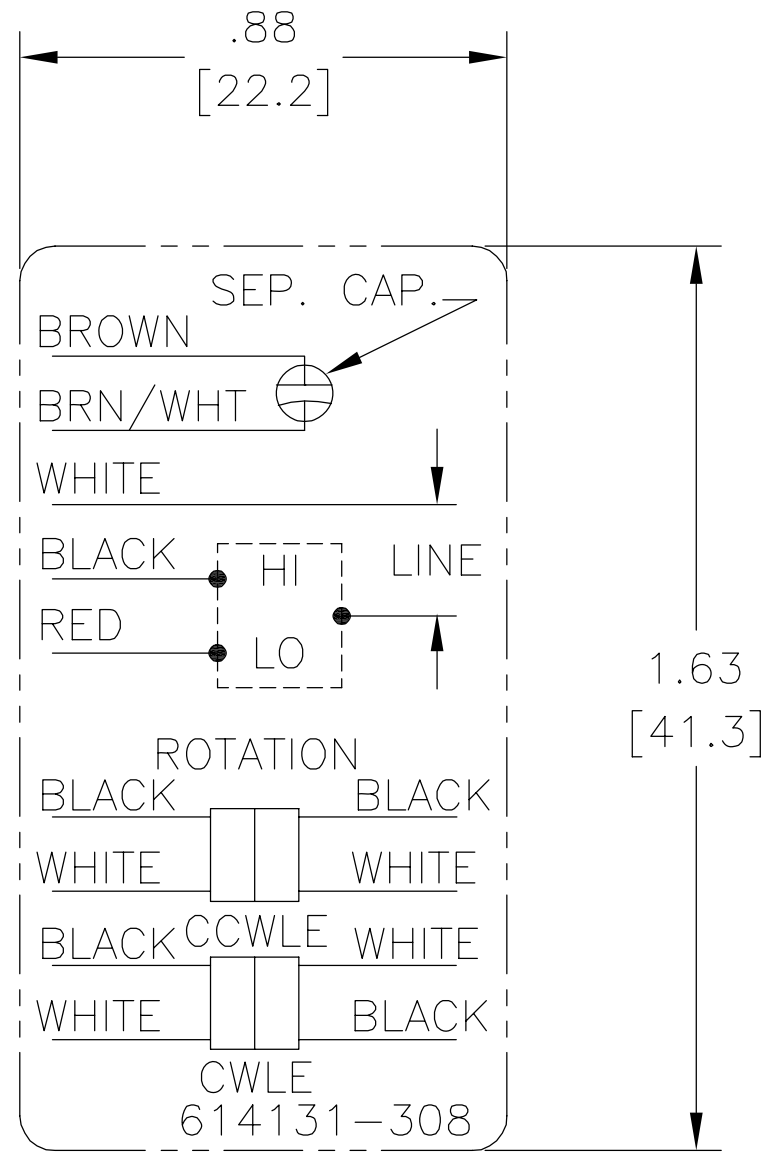


NOTES:

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 07-22-2011 APROBADO POR: jrupert 07-22-2011 TERCER ANGULO DE PROYECCION ⊕	FECHA EDS: 02-22-2008 REV. FORMATO: F	ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
	DESCRIPCION: CONN DIAGRAM NAMEPLATE			
	TAMAÑO: A		NUMERO DE DIBUJO: 614131-308	
	ESCALA: NONE			HOJA: 1
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				

版本	ECO	编制	日期	批准	日期
B	ECO-0021670	jrupert	07-22-2011	jrupert	07-22-2011



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: 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 []
-----------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

绘图:	jrupert	07-22-2011
批准:	jrupert	07-22-2011
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		

		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
名称 CONN DIAGRAM NAMEPLATE			
图幅	A	图号	614131-308
比例	NONE	页号	1