PRODUCT INFORMATION PACKET



Model No: EM3727F Catalog No: EM3727F PRO-E SERIES® Condenser Fan Motor, 1/6 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, ENCLOSED



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



Product Information Packet: Model No: EM3727F, Catalog No:EM3727F PRO-E SERIES® Condenser Fan Motor, 1/6 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame, ENCLOSED



Nameplate Specifications

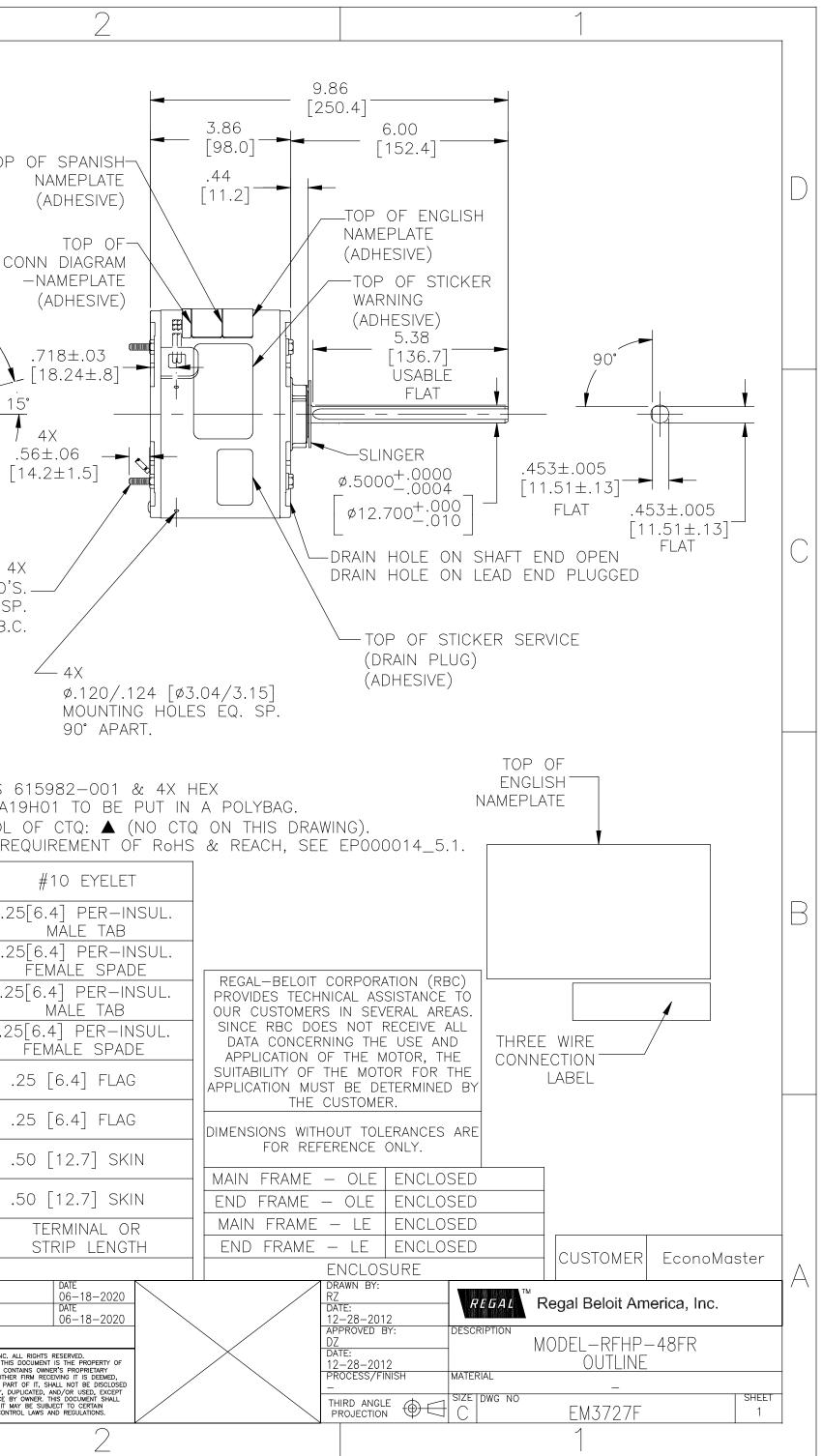
| Phase | 1 | Output HP | 1/6 Hp |
|--------------------|------------|---------------------|------------------|
| Output KW | 0.13 kW | Voltage | 208-230 V |
| Speed | 1075 rpm | Service Factor | 1 |
| Frame | 48Y | Enclosure | Totally Enclosed |
| Thermal Protection | Automatic | Ambient Temperature | 70 °C |
| Frequency | 60 Hz | Current | 1.0-1.1 A |
| Duty | Air Over | Insulation Class | F |
| UL | Recognized | CSA | Y |
| CE | Ν | Number of Speeds | 1 |

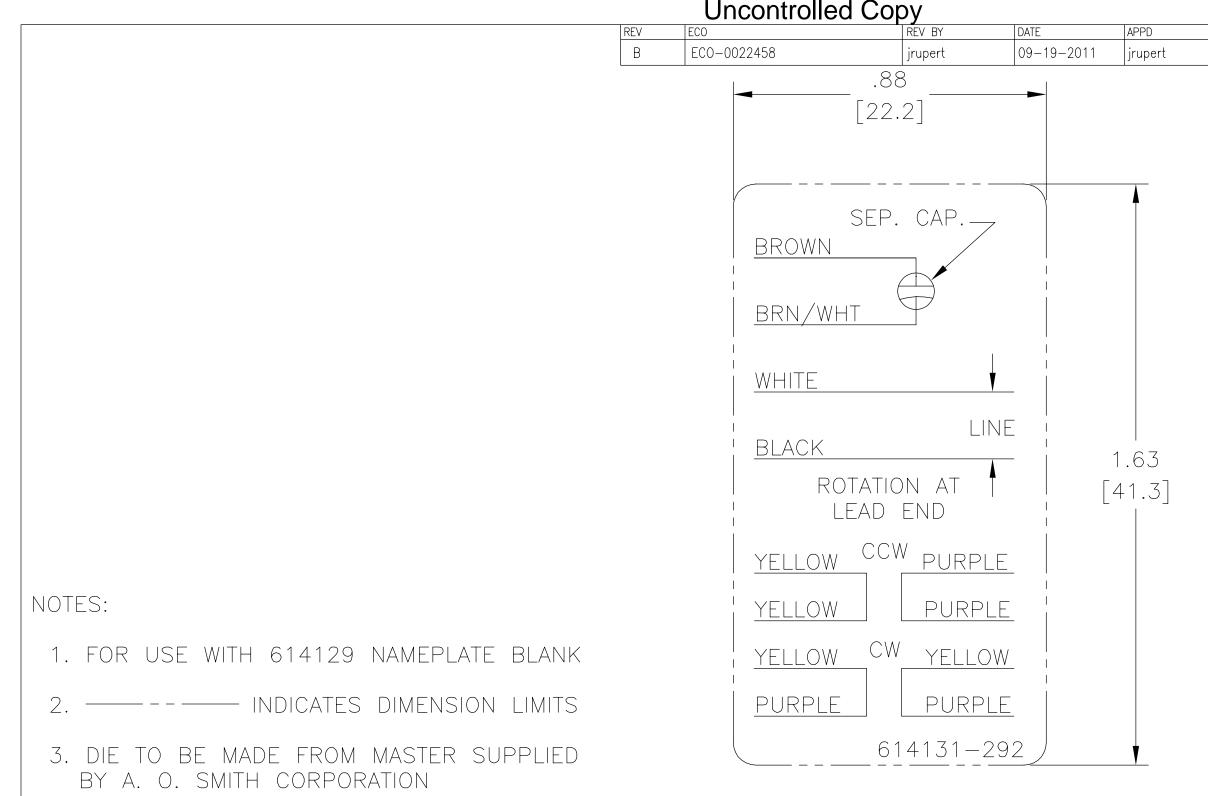
Technical Specifications

| 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 | 10.42 in | Frame Length | 3.25 in |
| Shaft Diameter | 0.500 in | Shaft Extension | 6.0 in |
| Connection Drawing | 614131-292 | Outline Drawing | EM3727F-S01 |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:08/01/2023

| D SPATT RUNULT .001 [.03] TLR. PER INCH LENGTH OF EXTENSION SEARINGS: SALL SEARINGS: SALL SUBSTING ALL SUBSTING ALL </th <th></th> <th></th> <th>4</th> <th></th> <th></th> <th>3</th> <th></th> <th></th> <th></th> | | | 4 | | | 3 | | | |
|--|---|--|--|----------------|---------------|-----|--|--|--|
| ESAR NOS EXLL MOUNTING ALL ANGLE POURDAR ALL ANGLE POURDAR ALL ANGLE POURDAR ALL ANGLE PROTECTOR AUTOVATO REST (1.1, ZAM CAS) PROTECTOR NO 18 GAL, GS [.5] THK (GREEN) RESUL COLOR NO LLAD NO 18 GAL, GS [.5] THK (GREEN) RESUL COLOR NO LLAD NO 18 GAL, GS [.5] THK (GREEN) RESUL PROTECTOR PROTECTOR VOLLE NO LLAD NO 18 GAL, GS [.5] THK (GREEN) RESUL PROTECTOR PROTECTOR VOLLE NO LLAD NO 18 GAL, GS [.5] THK (GREEN) RESUL PROTECTOR PROTECTOR PROTECTOR PROTECTOR VOLLE NO LLAD CONTOR MIST ROLL AND CONNECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTECTOR PROTE | | | | PER INCH LENG | GTH OF EXTENS | ION | (MOTO Conne | R TO BE SHIPPED CTED FOR ROTATION) |) TOP |
| MOUNTING ALL ANGLE ELECTINGAL DATA ELECTINGAL DATA | | | | | | | | ROT. ø5.70 | - - _C |
| ELECTION Loss AUTEMATIC RESET (D.1.7AM 0.36) C LEADS: NO. 18 GA., 03 [.8] THK, XLP 123°C INSUL GROUND LEAD NO. 18 GA., 03 [.8] THK, (GREDN) INSUL GROUND LEAD NO. 18 GA., 03 [.8] THK, (GREDN) INSUL MODEL NO: FEADFREE MODEL NO: <td></td> <td></td> <td>ALL ANGLE</td> <td></td> <td></td> <td>4</td> <td></td> <td>MAX.</td> <td>4X 90°</td> | | | ALL ANGLE | | | 4 | | MAX. | 4X 90° |
| PROTECTOR: LEADE VO. 19 (GAL I.33 [18] 1+4., XU* 129'C INSUL. C LEADE. VO. 19 (GAL I.33 [18] 1+4., XU* 129'C INSUL. OROUND LEADE. NO 14 (GAL I.03 [18] 1+K. (SREEN) INSUL OROUND LEADE. NO 14 (GAL I.03 [18] 1+K. (SREEN) INSUL NMMEPLATE DATA PATTRNAI CONNECTION DIAGRAM NMMEPLATE DATA PATTRNAI CONNECTION DIAGRAM NUIS 7277 HIP: 1/5 SEP. DP. 7 BROWN ROJEL AGE FAAGAGARDI CLIST, 2/NF, CM32277 HIP: 1/5 SEP. DP. 7 BROWN RATT THE MARK BUE REMOVED OF CONSTRUCTION DIAGRAM SEP. DP. 7 BROWN B. ACK LNE BROWN PLRE 1, 2020 - 250 NATE : ARD (370 W THIGK CCW PLARE) COLOND & FILE MOD DUI VO COT D UL COG X FILE MOD DUI VO COT D UL COG X FILE MOD DUI VO COT D UL COG X FILE MOD COSA LODO & THI GX VELLON CW VELLON CONT NO. REVE (2CO) PERCORMANCE CURVE NO. REVE NO. CURVE NO. REVE (2CO) PERCORMANCE COROUND COD D UL COG X FILE MOD COSA LODO & REVE NO. CURVE NO. REVE (2CO) PERCORMANCE COROUND COD Z THI 0803277E PLACO X THI 0803277E MA | | ELECTRICAL DATA: | | | | | LEAD LENGTH | | |
| C RCUND_LEAD: NO. 18_GAL, LOS [L8]_HK. (GREEN)_INSUL REF Image: Constraint of the second | | | AUTOMATIC RESET | (T.I. 7AM 036) |) | | | | |
| GROUND LEAD: NO. 15: 0A, LOS [.8] T.K. (GREEN) INSUL | С | LEADS: | NO. 18 GA., .03 [| .8] THK.,XLP 1 | 25°C INSUL. | | C. C | 20. | 4 |
| NAME-LATE DATE EXTERNAL CONNECTION MODEL NO.IF.2/X. EXTERNAL CONNECTION DARGRAM MODEL NO.IF.2/X. EM3727F MOTOR WUST NOT PROTRUDE HP.1/6 SEP. CAP BRN/WIIT NOTES: HP.1/6 BRN/WIIT BRN/WIIT CREEN HP.1/6 BRN/WIIT BRN/WIIT CREEN HRMM: 1.4X SOREWS BRN/WIIT CREEN HRMM: 1.6X BRN/WIIT CREEN HRMM: 1.1 BLACK INNE HRX: 60 BRN/WIIT CREEN HRX: 60 BRN/WIIT CREEN HX: 60 PURPLE(REV) [102/152] PURPLE(REV) FILOW CREEN [102/152] YELLOW COCW PLIPLE PURPLE BROWN/WHITE BROWN/WHITE [889/940] BROWN (REV) [102/152] WHILE PURPLE PURPLE BLACK [889/940] HUKE 614131-292 SAMPUA SAMPUA <td></td> <td>GROUND LEAD:</td> <td>NO. 18 GA., .03</td> <td>[.8] THK. (GRE</td> <td>EEN) INSUL.</td> <td></td> <td></td> <td>PLACES E</td> <td>EQ. SF</td> | | GROUND LEAD: | NO. 18 GA., .03 | [.8] THK. (GRE | EEN) INSUL. | | | PLACES E | EQ. SF |
| NAME_PARE DAGRAW NO. IES: NUTS NO. IES: NUTS P 10.4 AS 277E SEP. CAP. PI: 176 SEP. CAP. NUTS NUTS 7555A ROT. REVERSIBLE RPM: 1075 BROWN SEP. CAP. PI: 176 NUTS 7555A B ROT. REVERSIBLE RPM: 1075 BROWN SEP. CAP. NUTS NUTS 7555A PH: 1075 TYPE: UF HILE Image: Cap. NUTS PURPLE(REV) 10.2013.00 PH: 1 AMPS: 10-1.1 ROTATION AT TAD. FND Image: Cap. NUTS PURPLE(REV) 10.2015.21 PURPLE(REV) I.076.0 Z YELLOW PURPLE YELLOW PURPLE AMBS: TO'C DUTY: AR OVER CAP: SMED/370V YELLOW PURPLE PURPLE YELLOW YELLOW YELLOW VOLL COG & FILE NO. TYPE T G141/31-292 GASS # COLOR ENGYT.0 PERFORMANCE TOROUE @1075 APPROVED UL COMPONENT CSA GOLOR ENGYT.0 A C32840 15.0 OZ. FT. 0603277B E46412 PRGY2 LR43341 4211-01 LFAO DATA | | | | | | | MOTOR M | JST NOT PROTRUI | |
| H:: 1/8 3. MEET THE R ROT: REVERSIBLE BRN/WHT RPM: 1075 BRN/WHT IVPE: UF WHITE PRM: 1075 BLACK VOLTS: 208-230 BLACK BLACK IVPE: UF PURPLE(REV) 102/152] PURPLE(REV) 102/152] AMP3: 1.0-1.1 ROTATION AT H2: 60 ROTATION AT LEAD END PURPLE ENCL: ENCLOSED YELLOW CAP: 5MF0/370V YELLOW ENCL: ENCLOSED YELLOW UC 060 & FILE NO. YELLOW TYPE T 614131-292 PERFORMANCE TORQUE \$1075 SAMPLF FILE # COLOR TS: 0/37.0 BLACK [889/940] WHITE (889/940] WHITE (889/940] < | | MODEL NO.: F48AF38 | DIAGRAN BAO1 SEP. C | 1 | | | | 1. 4X SCR NUTS 7 | 555A1 |
| B FRAME: 48Y UNITE FILE | | HP: 1/6 Rot.: reversible RPM: 1075 | BRN/WHT | | | | | 3. MEET TH 12.0/13.0 [305/330] | HE RE |
| PH: 1 AMPS: 1.0-1.1 HZ: 60 ROTATION AT LEAD END ROTATION AT LEAD END LEAD END AMB:: 70°C YELLOW DUTY: AIR OVER YELLOW CAP:: 5MFD/370V YELLOW ENCL: ENCLOSED PURPLE UL LOGO & FILE NO. YELLOW CSA LOGO & FILE NO. YELLOW CSA LOGO & FILE NO. PURPLE TYPE T 614131-292 PERFORMANCE TORQUE @1075 CURVE NO. RPM (25°C) SAMPLE FILE # CLRYE NO. RPM (25°C) COLOR LENGTH LEAD DATA | B | FRAME: 48Y | | LINE | | | PURPLE(REV) | [102/152] | .2 |
| AMB:: 70°C YELLOW CCW PURPLE DUTY: AIR OVER YELLOW PURPLE CAP:: 5MFD/370V FUELOW PURPLE ENCL: ENCLOSED YELLOW PURPLE UL LOGO & FILE NO. YELLOW CW CSA LOGO & FILE NO. YELLOW PURPLE THERMALLY PROTECTED PURPLE PURPLE TYPE T 614131-292 BLACK PERFORMANCE TORQUE @1075 APPROVED UL COMPONENT CURVE NO. RPM (25°C) SAMPLE FILE # CCN # FILE # CON # FILE # CLASS # COLOR LENGTH LENGTH COLOR LENGTH E46412 PRGY2 LR43341 4211-01 Hermonology of the Weight of th | | PH: 1 AMPS: 1.0-1.1 HZ: 60 | ROTATION | | | | | [102/152] 4.0/6.0 | .2 |
| CAP.: 5MFD/370V ENCL: YELLOW PURPLE NO. ENCLOSED YELLOW YELLOW ULL LOGO & FILE NO. CW YELLOW CAA LOGO & FILE NO. PURPLE PURPLE TYPE T 614131-292 PERFORMANCE TORQUE @1075 APPROVED CURVE NO. RPM (25°C) SAMPLE FILE # CCN # FILE # CLASS # C32840 15.0 0Z. FT. 0603277B E46412 PRGY2 LR43341 4211-01 DRAWING REVISION REVI | | AMB.: 70°C | $\cap \cap M$ | | | | YELLOW (REV) | 4.0/6.0 | .2 |
| CSA LOGO & FILE NO. THERMALLY PROTECTED TYPE T PURPLE PURPLE PURPLE DICOMIN [889/940] PERFORMANCE CURVE NO. TORQUE @1075 APPROVED UL COMPONENT CSA C32840 15.0 OZ. FT. 0603277B E46412 PRGY2 LR43341 4211-01 PROVENT REVISION REVISIO | | CAP.: 5MFD/370V | | | | | BROWN/WHITE | 35.0/37.0 [889/940] | |
| Implementation Imple | | | γ \sim | | | | BROWN | [889/940] | |
| A Derive of the construction of the | | | | | | | WHITE | [889/940] | |
| A C32840 15.0 OZ. FT. 0603277B E46412 PRGY2 LR43341 4211-01 LEAD DATA DRAWING REVISION REVISION REVISION BY H NANCY_LLU ECO APPROVED BY ECO-0187955 KEYUN, GONG ECO DESCRIPTION SEE ECO DOP/RIGHT REGAL BELOT AMERICA. INC. PROPRIETARY AND COMFIDENTIAL INFORMATION - TH BY RECEVANCE THAT IT, ADVICE THAT IT, ADVICE ANY PERSON, COMPONENT ALL INFORMATION ANY PERSON, COMPONENT IT, DAVICE APPLICABLE EXPORT COM | | | JE @1075 APPROVED | | NENT C | SA | BLACK | | |
| A DRAWING REVISION BY DRAWING REVISION BY H NANCY.LIU EC0 APPROVED BY EC0-0187955 KEYUN.GONG EC0 OESSCRIPTION SEE EC0 PROPRIETARY AND CONFIDENTIAL INFORMATION - TH REGAL BELOT AMERICA. INC. PROPRIETARY AND CONFIDENTIAL INFORMATION - TH REGAL BELOT AMERICA. INC. PROPRIETARY AND CONFIDENTIAL INFORMATION - TH REGAL BELOT AMERICA. INC. PROPRIETARY AND CONFIDENTIAL INFORMATION ANY PA SEE EC0 EVENTS INC. PROPRIETARY AND CONFIDENTIAL INFORMATION ANY PA DI SEE EC0 EVENTS EVE | | | | | | | COLOR | | |
| COPYRIGHT REGAL BELDIT AMERICA, INC. PROPRIETARY AND CONFIDENTIAL INFORMATION — TH REGAL BALERICA, INC. PROPRIETARY EARLY CONTRICT INFORMATION ANY PERSON, CORPORATION OR OTHER BY RECENTING IT, TO A GREE THAT IT, AND/OR ANY PA TO ANY PERSON, CORPORATION OF OTHER ENTINY, IN AS EXPRESSIVA POPROVED IN WIND OR OTHER ENTINY, IN BE RETURNED TO OWNER UPON REQUEST. IT RESTRICTIONS UNDER APPLICABLE EXPORT CON | A | | | | | | <u> </u> | DRAWING REVISION REVISION H NANCY.L ECO APPROVED ECO-0187955 KEYUN.C ECO DESCRIPTION | BY _IU) BY |
| | | | | | | | | COPYRIGHT REGAL BELOT AI PROPRIETARY AND CONFIDENTIAL INFORM REGAL BELOT AMERICA, INC. "OWN INFORMATION. ANY PERSON, CORPORAT BY RECEIVING IT, TO AGREE THAT IT, AND TO ANY PERSON, CORPORATION OR OTH AS EXPRESSLY APPROVED IN WRITING I BE RETURNED TO OWNER UPON F | NER") AND CON TION OR OTHEF D/OR ANY PAR HER ENTITY, DU IN ADVANCE BY REQUEST. IT M |
| | | | 4 | | | 3 | | | |

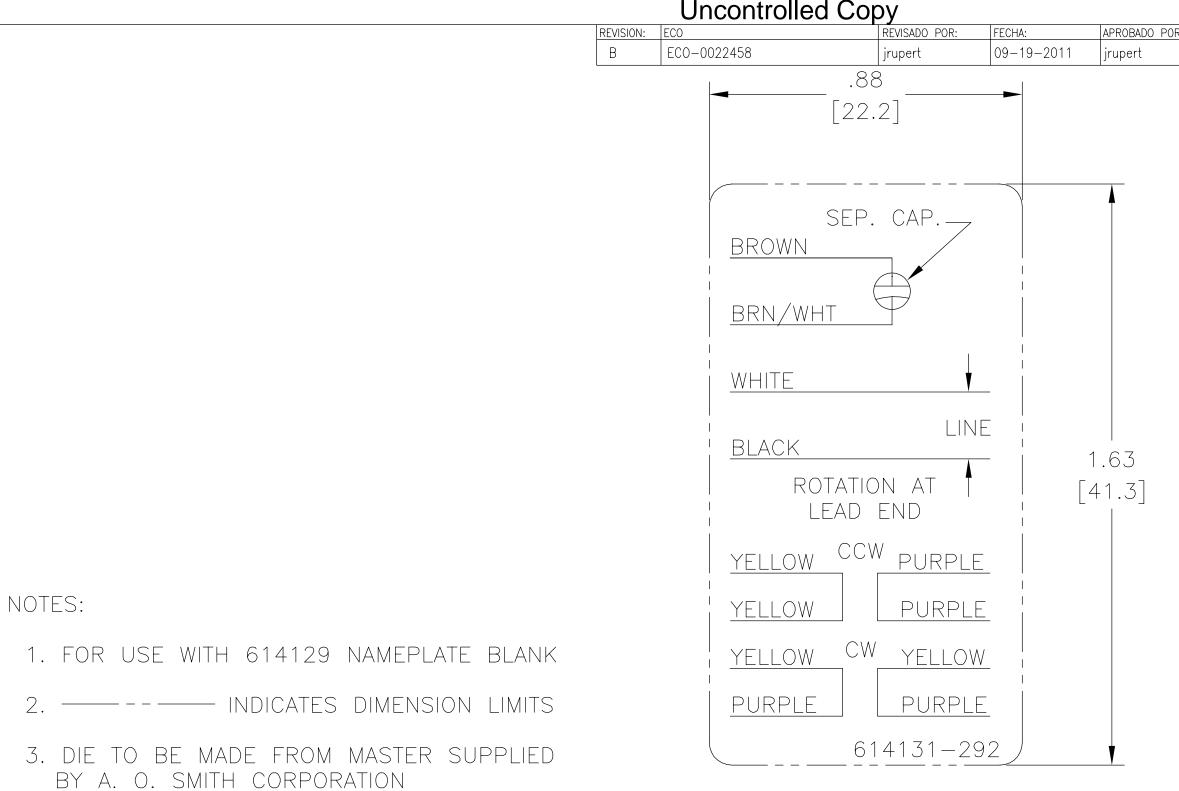




4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

| GEOMETRIC CHARACTERISTICS & SYMBOLS | UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: | DR BY: jrupert | 09-19-2011 | A Smith | ELECTRICAL PRODUCTS COMPANY |
|---|---|-----------------------------------|-----------------------------|------------------------|---------------------------------------|
| ─ STRAIGHTNESS ∠ ANGULARITY | X XX XXX XXXX INCH ±.1 ±.02 ±.005 ±.0005 | APPD: | 00 10 2011 | innovation has a name. | A DIVISION OF A. O. SMITH CORPORATION |
| \perp PERPENDICULARITY (SQUARENESS) | mm ±0.5 ±0.13 ±0.013 | jrupert | 09-19-2011 | DESCRIPTION | |
| // PARALLELISM O ROUNDNESS (CIRCULARITY) | ANG. ±.50 DEG REMOVE BURRS & BREAK SHARP EDGES: | THIRD ANGLE PROJECTION (\oplus) | EDS DATE 02-22-2008 | CONN DIAGRA | AM NAMEPLATE |
| A CYLINDRICITY | INCH .003–.015 mm 0.1–0.4 | | FORMAT REV F | | |
| | CORNER FILLETS TO: | | ING AND ITS INFORMATION ARE | | • |
| | INCH .020 mm 0.5 MACHINE SURFACES: | SMITH CORP. AND ARE NO | FIDENTIAL PROPERTY OF A.O. | SIZE DWG NO | |
| TRUE POSITION | INCH 125/ mm 3.2/ | | OR OTHERWISE USED WITHOUT | A 614 | 1131-292 |
| © CONCENTRICITY | | THE WRITTEN CONSENT OF | | SCALE NONE | SHEET 1 |
| = SYMMETRY | METRIC DIMS. SHOWN IN [BRACKETS] | -ALL RIGHTS RESERVED. | ASME Y14.5M 1994 | | |

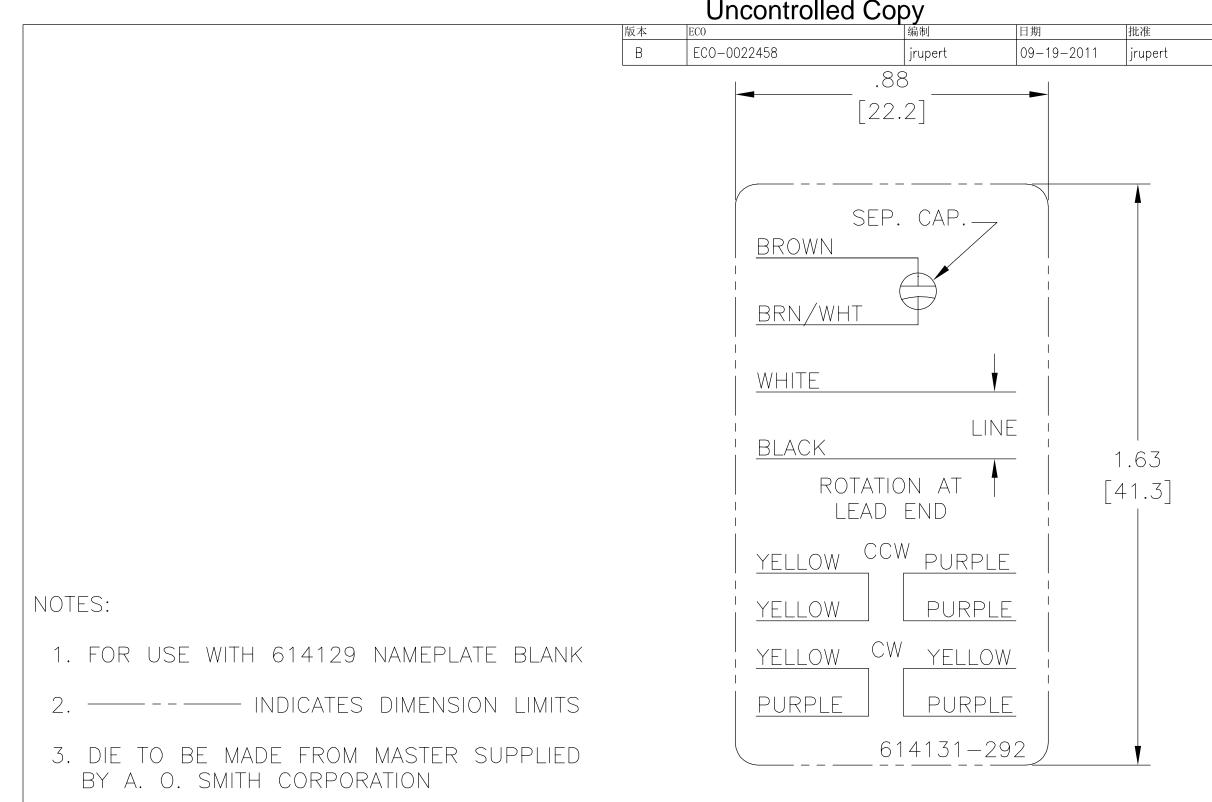
| DATE |
|------------|
| 09-19-2011 |
| |



4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

| CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS \square PLANICIDAD | A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES: | DIBUJADO POR: jrupert | 09-19-2011 | | Smith | ELECTRIC CO |
|---|---|--|--|-------------------|----------------------|-----------------|
| - RECTITUD - ANGULARIDAD | LAS DIMS, SUN LAS SIGUENTES. X XX XXX PULG ±,1 ±.02 ±.005 ±.0005 | APROBADO POR: jrupert | 09-19-2011 | in | novation has a name. | A DIVISION OF A |
| │⊥ PERPENDICULARIDAD (A ESCUADRA) │ | mm ±0.5 ±0.13 ±0.013 ANG. ±.50 GRADOS | TERCER ANGULO | FECHA EDS: 02-22- | 2008 DESCRIPCION: | NN DIAGRA | M NAME |
| ○ REDONDEZ (CIRCULARIDAD) | ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE. | | | | | |
| ← PERFIL DE CUALQUIER SUPERFICIE ← PERFIL DE CUALQUIER LINEA | | SON PROPIEDAD DE US | BUJO Y SU INFORMACION O EXCLUSIVO Y CONFIDENCIAI | _ DE TAMAÑO: _ N | UMERO DE DIBUJO | |
| | MAQUINAR SUPERFICIES PULG 125/ mm 3.2/ | DUPLICADOS, DISTRIBUID | DEBERAN SER REVELADOS, DOS O USARSE DE OTRA MAN | | 614 | 131-29 |
| © CONCENTRICIDAD ÷ SIMETRIA | DIMS METRICAS MOSTRADAS [PARENTESIS] | SIN EL CONSENTIMIENTO -TODOS LOS DERECHOS |) ESCRITO DE A.O. SMITH CO 5 RESERVADOS.ASME Y14.5M | RP. ESCALA:NONE | | |

| POR: | FECHA: | |
|-------------|--------------------------|--|
| | 09-19-2011 | |
| | I | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | PRODUCTS | |
| COMF | PANY 11TH CORPORATION | |
| | | |
| MEPL | _AIE | |
| | | |
| 292 | | |
| ∠ J ∠ H | OJA: 1 | |
| | 5 of 6 | |
| | | |



4. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

| $ \begin{array}{c} 1 \\ 4 \\ 4 \\ 7 \\ 7 \\ 7 \\ 7 \\ 6 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ 0$ | 形位公差 □ 平面度 — 直线度 ∠ 倾斜度 | 除另有注明 尺寸公差如下: X XX XXX XXXX 英寸 ±.1 ±.02 ±.005 ±.0005 | 绘图: jrupert 批准: | 09-19-2011 | | Smith Innovation has a name. | ELECTRIC CO A DIVISION OF A. |
|---|---|---|-----------------------|---------------------|----|---------------------------------|------------------------------------|
| ○ 面轮廓度 ○ 3轮廓度 ○ 3轮廓度 ○ 3轮廓度 ○ 9 0 毫米 0.5 ★ 0 125 ○ 125 ○ 14131-29 ○ 同轴度 ○ 同轴度 ○ 回轴度 ○ 四轮廓度 ○ 125 ○ ○ 125 | → 垂直度 // 平行度 ○ 圆度 夕 圆柱度 | 毫米 ±0.5 ±0.13 ±0.013 角度 ±.50 度 清理毛刺和尖棱 英寸 .003015 毫米 0.1-0.4 | jrupert 第三角投影 | 图纸格式发布日期 02-22-2008 | 名称 | CONN DIAGRA | M NAMEI |
| | ○ 面轮廓度 ○ 线轮廓度 1 圆跳动 ◆ 位置度 ◎ 同轴度 | 英寸 .020 毫米 0.5 表面粗糙度 英制 125 米制 3.2 | 未经A. O. SMITH公司书面授标 | | | A 614 | 131–292 |

| 日期 |
|------------|
| 09-19-2011 |
| |

| ICAL PRODUCTS |
|----------------------------|
| COMPANY |
| OF A. O. SMITH CORPORATION |
| EPLATE |
| |

| | | 6 of 6 |
|----|---|--------|
| 页号 | 1 | |