

# PRODUCT INFORMATION PACKET



Model No: EM3737F  
Catalog No: EM3737F

PRO-E SERIES® Condenser Fan Motor, 1/3 HP, 1 Ph, 60 Hz, 460 V, 1075 RPM, 1 Speed, 48 Frame, ENCLOSED



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### Nameplate Specifications

Phase	1	Output HP	1/3 Hp
Output KW	0.25 kW	Voltage	460 V
Speed	1075 rpm	Service Factor	1
Frame	48Y	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	70 °C
Frequency	60 Hz	Current	1.3 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	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	11.80 in	Frame Length	4.63 in
Shaft Diameter	0.500 in	Shaft Extension	6.0 in
Connection Drawing	614131-292	Outline Drawing	EM3737F-S01

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GENERAL INFORMATION:

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

BEARINGS: BALL

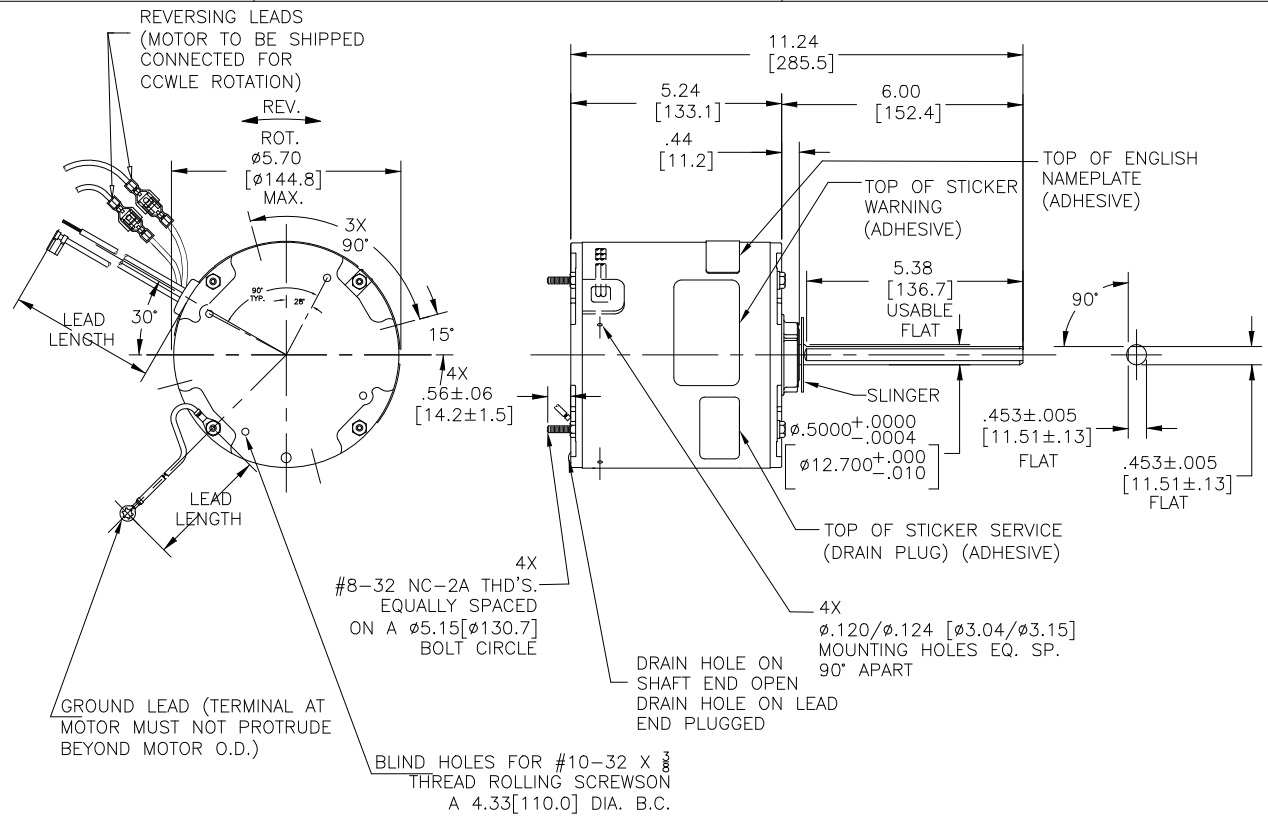
MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (T.I. 7AM 304)

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

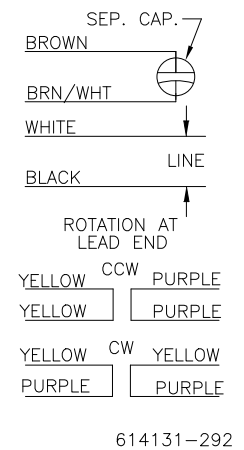
GROUND LEAD: NO. 18 GA., .03[.8] THK. (GREEN) INSUL.



NAMEPLATE DATA:

EXTERNAL CONNECTION DIAGRAM

MODEL NO.: F48AF93A01  
 CUST. P/N: EM3737F  
 HP: 1/3  
 ROT.: REVERSIBLE  
 RPM: 1075  
 TYPE: UF  
 FRAME: 48Y  
 VOLTS: 460  
 PH: 1  
 AMPS: 1.3  
 HZ: 60  
 INS.: F  
 AMB.: 70°C  
 DUTY: AIR OVER  
 CAP.: 7.5 MFD/370V  
 ENCL: ENCLOSED  
 THERMALLY PROTECTED



PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE
C32584	38.9 OZ. FT.	0601189A

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
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

- 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 EP000014\_5.1.

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DIMENSIONS WITHOUT TOLERANCES ARE FOR REFERENCE ONLY.

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

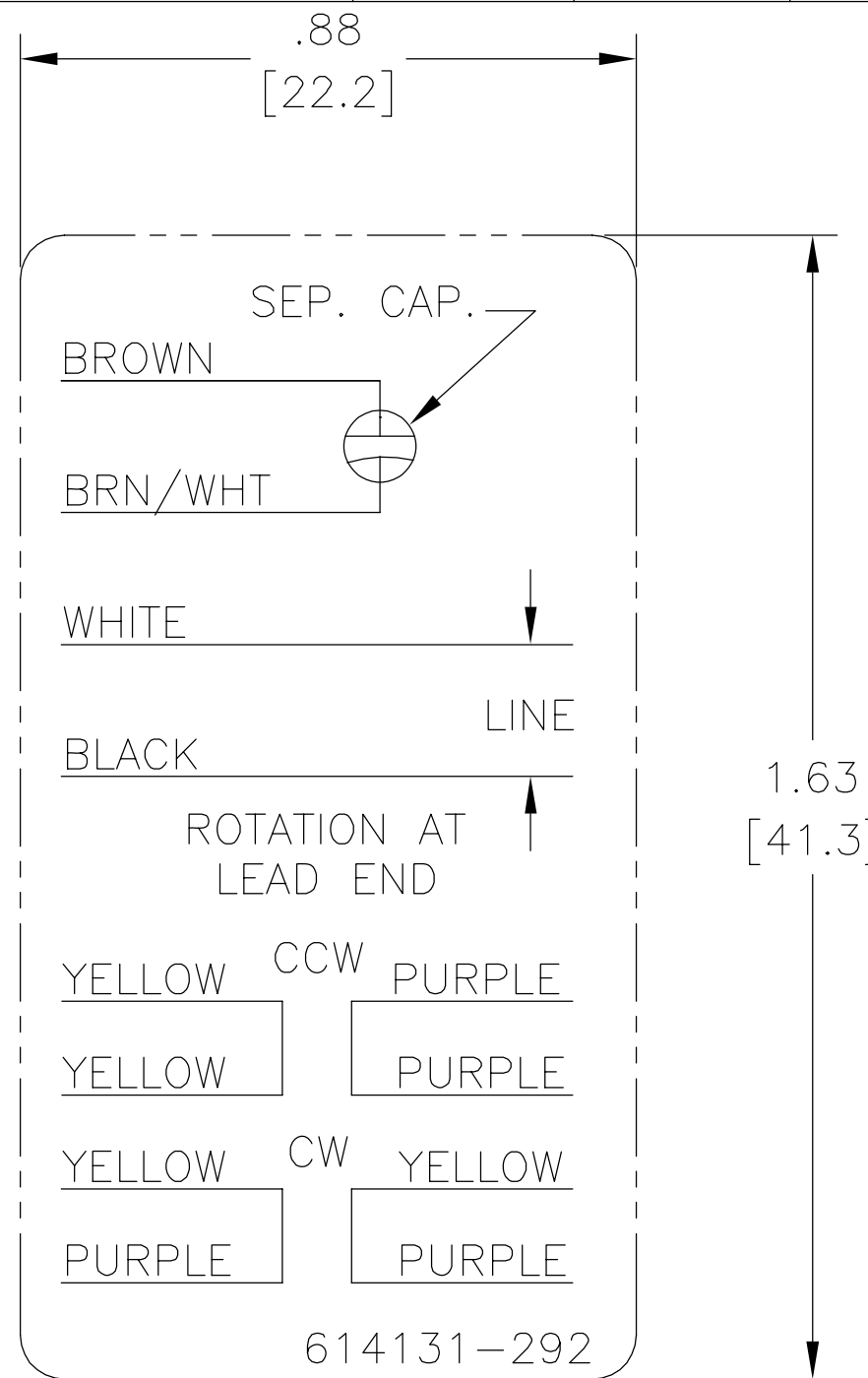
CUSTOMER EconoMaster

DRAWING REVISION	REVISION BY	DATE
ECO	ABH	11/06/2025
ECR-0247039	APPROVED BY	DATE
	KEP	11/06/2025
ECO DESCRIPTION		
UPDATED AGENCY INFO		
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ENCLOSURE	
DRAWN BY: Coddie,Zhou	
DATE: 08-06-2013	
APPROVED BY: Frank,Jim	
DATE: 08-06-2013	
PROCESS/FINISH	
THIRD ANGLE PROJECTION	

Regal Beloit America, Inc.	
DESCRIPTION	
MODEL-RFHP-48FR OUTLINE	
MATERIAL	
SIZE	DWG NO
C	EM3737F
SHEET	1

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	

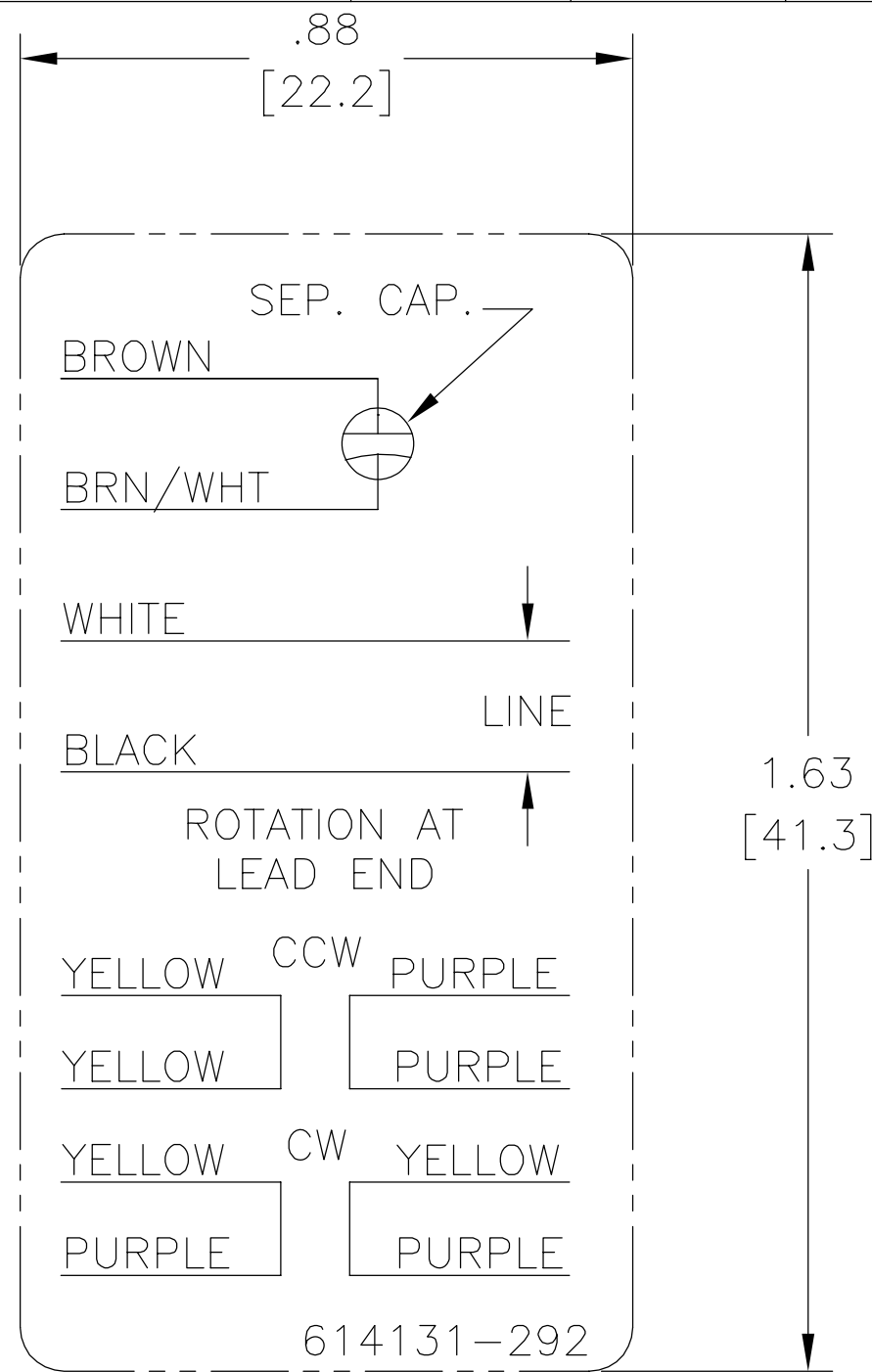
ANG. ±.50 DEG  
REMOVE BURRS & BREAK SHARP EDGES:  
INCH .003-.015 mm 0.1-0.4  
CORNER FILLETS TO:  
INCH .020 mm 0.5  
MACHINE SURFACES:  
INCH 125 mm 3.2

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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DESCRIPTION CONN DIAGRAM NAMEPLATE		
SIZE A	DWG NO 614131-292	
SCALE NONE		SHEET 1

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



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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.

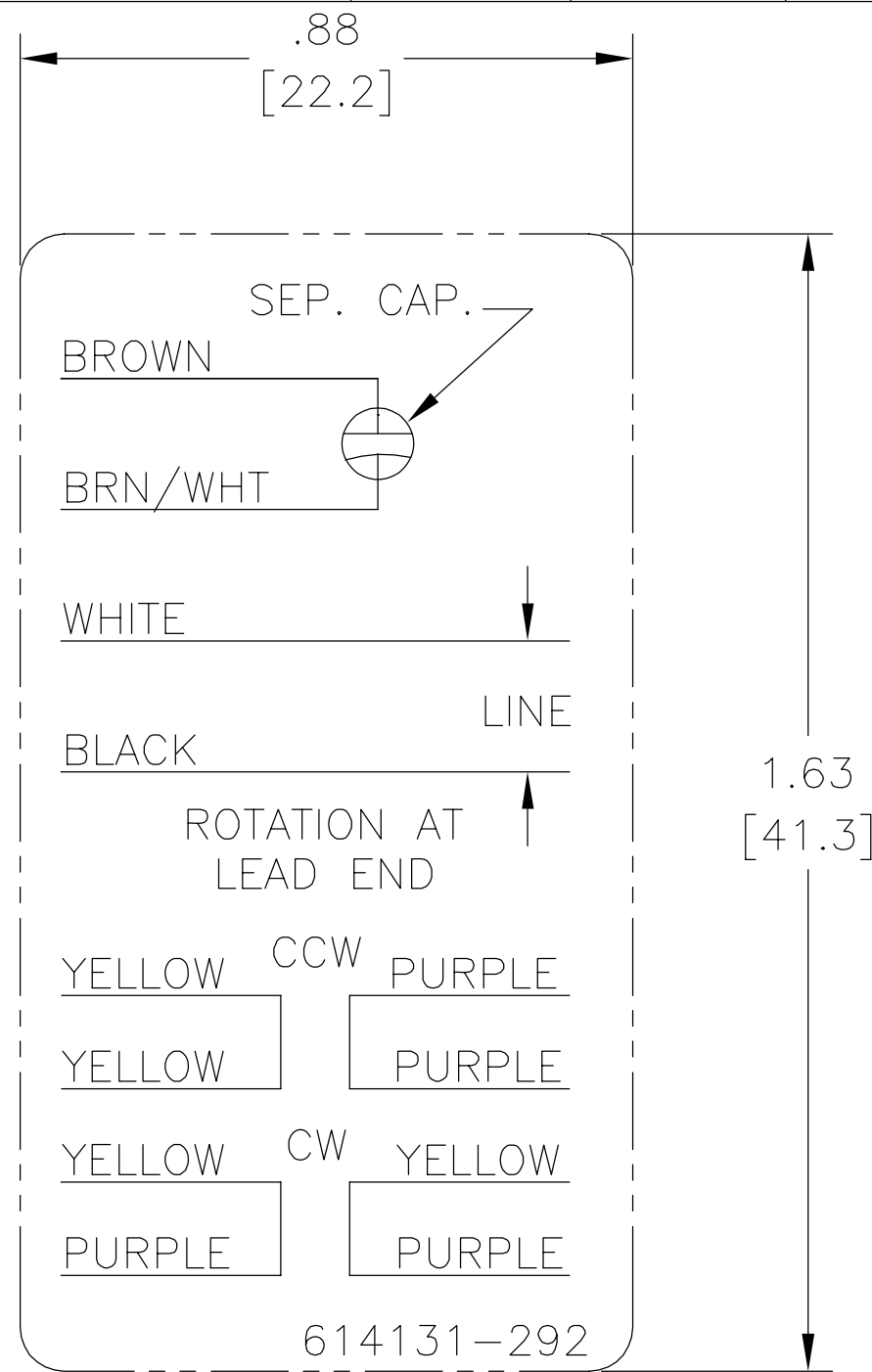
PULG .003-.015 mm 0.1-0.4  
FILETEAR ESQUINA: PULG .020 mm 0.5  
MAQUINAR SUPERFICIES  
PULG 125 mm 3.2

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
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DESCRIPCION: CONN DIAGRAM NAMEPLATE	
TAMAÑO: A	NUMERO DE DIBUJO: 614131-292
ESCALA: NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	ECO-0022458	jrupert	09-19-2011	jrupert	09-19-2011



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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:  
 英寸 X XX XXX XXXX  
 毫米 ±.1 ±.02 ±.005 ±.0005  
 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
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图号	614131-292
比例	NONE
页号	1