

PRODUCT INFORMATION PACKET



Model No: ORM5458

Catalog No: ORM5458

4-in-1® Condenser Fan Motor, 1/3-1/6 HP, 1 Ph, 60 Hz, 208-230 V, 1075 RPM, 1 Speed, 48 Frame,
ENCLOSED



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Nameplate Specifications

Output HP	1/3-1/6 Hp	Output KW	0.25 kW
Frequency	60 Hz	Voltage	208-230 V
Current	2.0 A	Speed	1075 rpm
Service Factor	1	Phase	1
Duty	Air Over	Insulation Class	B
Frame	48	Enclosure	Totally Enclosed
Thermal Protection	Automatic	Ambient Temperature	60 °C
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	Double Flat
Overall Length	11.68 in	Frame Length	3.50 in
Shaft Diameter	0.500 in	Shaft Extension	6.7 in
Outline Drawing	ORM5458-S01	Connection Drawing	614131-292

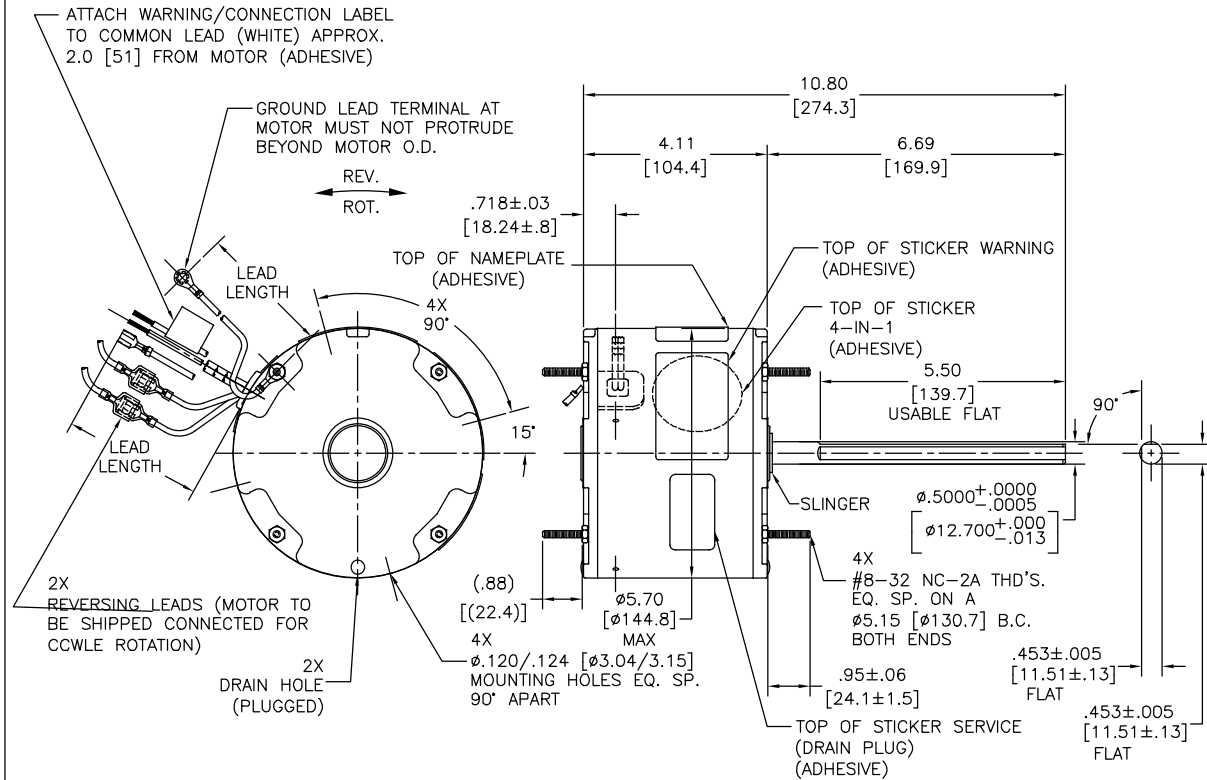
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GENERAL INFORMATION:

SHAFT RUNOUT: .001 [.025] T.I.R. PER INCH LENGTH OF EXTENSION
END PLAY: .010 TO .063 [.25 TO 1.60]
BEARINGS: SLEEVE
MOUNTING POSITION: ALL ANGLE

ELECTRICAL DATA:

OVERLOAD PROTECTOR: AUTOMATIC RESET (SENSATA 7AM 036)
LINE LEADS: NO. 18 GA., .06 [1.5] THK. PVC 105°C INSUL.
REVERSING LEADS: NO. 18 GA., .03 [.8] THK. XLP 125°C INSUL.
GROUND LEAD: NO. 18 GA., .03 [.8] THK. (GREEN/YELLOW) INSUL.



NOTES:
4X SCREWS 615982-001 & 4X HEX NUTS 7555A19H01 TO BE PUT IN A POLYBAG.

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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	DISTRIBUTION SERVICE
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GREEN/YELLOW (GROUND)	10.0/11.0 [254/279]	#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	48.0/51.0 [1219/1295]	.25[6.4] FEMALE SPADE
BROWN/WHITE	48.0/51.0 [1219/1295]	.25[6.4] FEMALE SPADE
WHITE	48.0/51.0 [1219/1295]	.50[12.7] SKIN
BLACK	48.0/51.0 [1219/1295]	.50[12.7] SKIN
COLOR	LENGTH	TERMINAL OR STRIP LENGTH

LEAD DATA

DRAWING REVISION	REVISION BY	DATE
G	GEUNE ZHAO	05-23-2019
ECO	APPROVED BY	DATE
ECO-0166568	KEYUN GONG	05-23-2019
ECO DESCRIPTION		
SEE ECO		

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ENCLOSURE

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DATE:
APPROVED BY:
DATE:
PROCESS/FINISH:
MATERIAL:
THIRD ANGLE PROJECTION

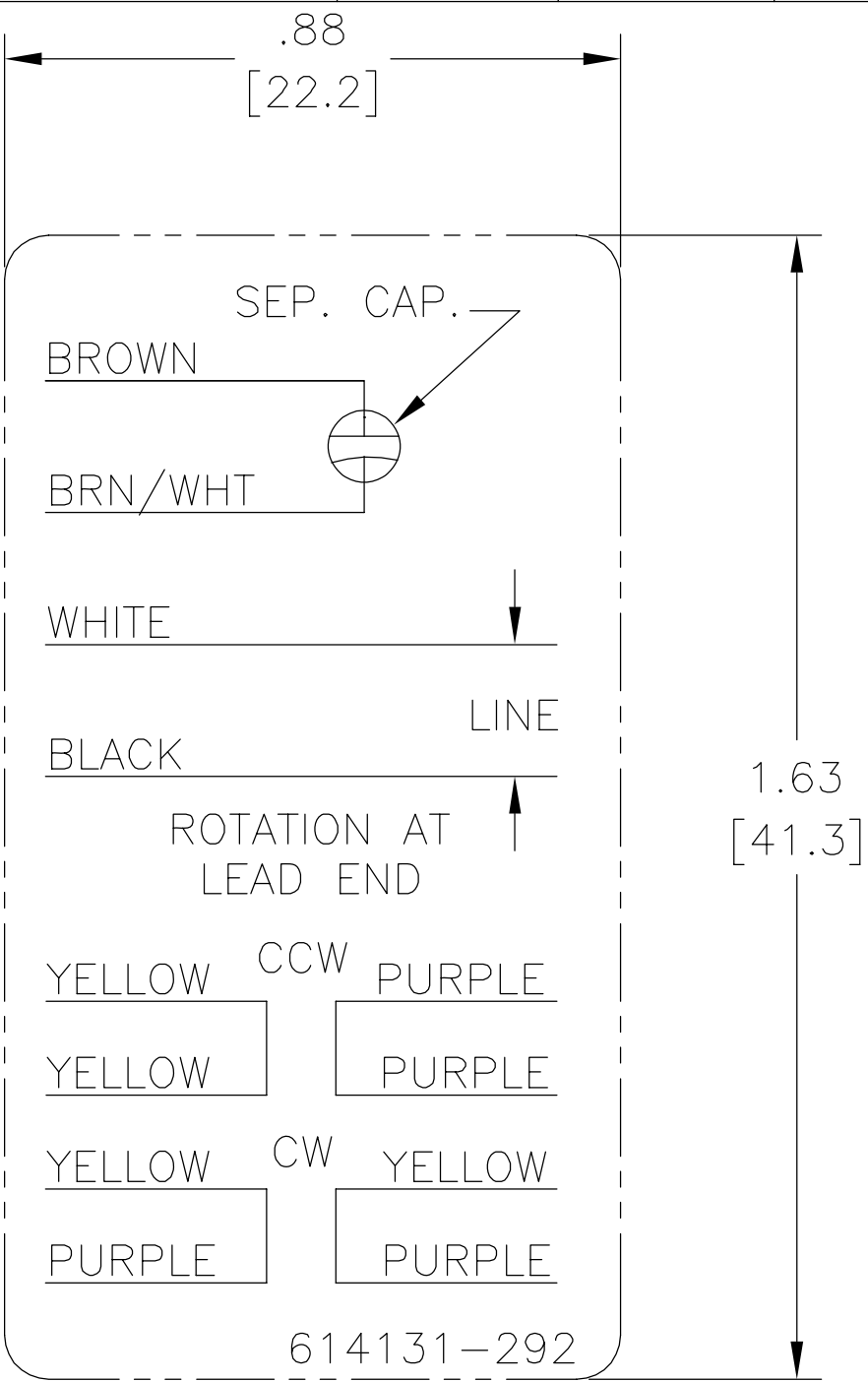
REGAL BELoit	Regal Beloit America, Inc.
DESCRIPTION	MODEL-RFHP-48FR OUTLINE
SIZE	DWG NO. ORM5458
SHEET	1

NAMEPLATE DATA:	EXTERNAL CONNECTION DIAGRAM
MODEL NO.: F48AH26A01 CUST. P/N: ORM5458 HP: 1/3-1/6 ROT.: REVERSIBLE RPM: 1075 TYPE: UF FRAME: 48 VOLTS: 208-230 PH: 1 AMPS: 2.0 HZ: 60 INS.: B AMB.: 60°C DUTY: AIR OVER CAP.: 7.5 MFD/370 V ENCL: ENCLOSED UL LOGO CSA LOGO THERMALLY PROTECTED	BROWN BRN/WHT WHITE BLACK ROTATION AT LEAD END YELLOW CCW PURPLE YELLOW PURPLE YELLOW CW YELLOW PURPLE PURPLE

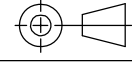
614131-292

PERFORMANCE CURVE NO.	TORQUE @1075 RPM (25°C)	APPROVED SAMPLE	UL COMPONENT FILE #	CCN #	CSA FILE #	CLASS #
C0000981	30.7 OZ. FT.	OER-0009876B	E46412	PRGY2	LR43341	4211-01

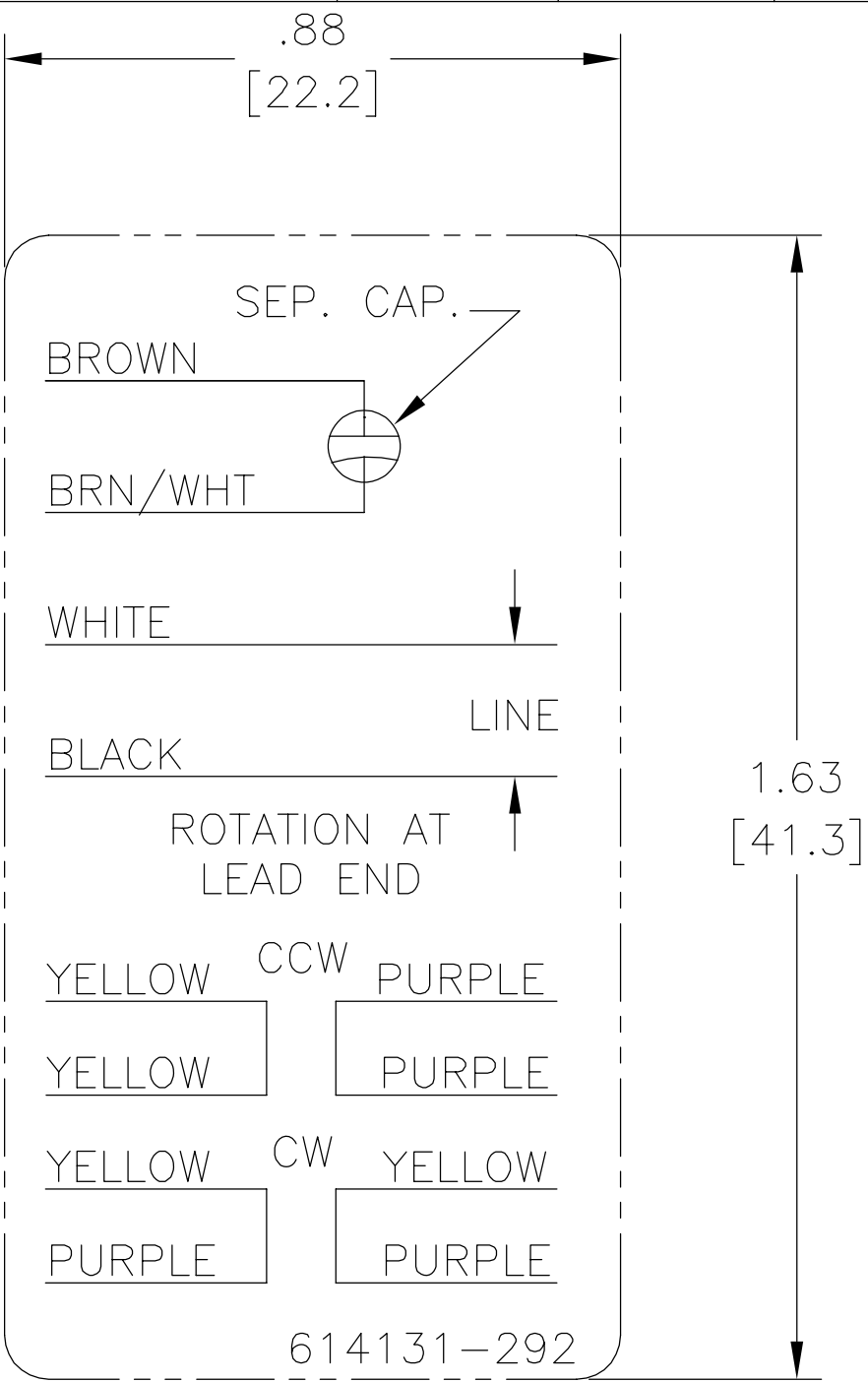
REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0022458	jrupert	09-19-2011	jrupert	09-19-2011



- 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 X XX XXX XXXX mm ±.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	 ELECTRICAL PRODUCTS COMPANY INNOVATION HAS A NAME. A DIVISION OF A. O. SMITH CORPORATION		
		APPD: jrupert	09-19-2011			
		THIRD ANGLE PROJECTION 	EDS DATE 02-22-2008 FORMAT REV F	DESCRIPTION CONN DIAGRAM NAMEPLATE		
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				SIZE A	DWG NO 614131-292	
				SCALE NONE	SHEET 1	

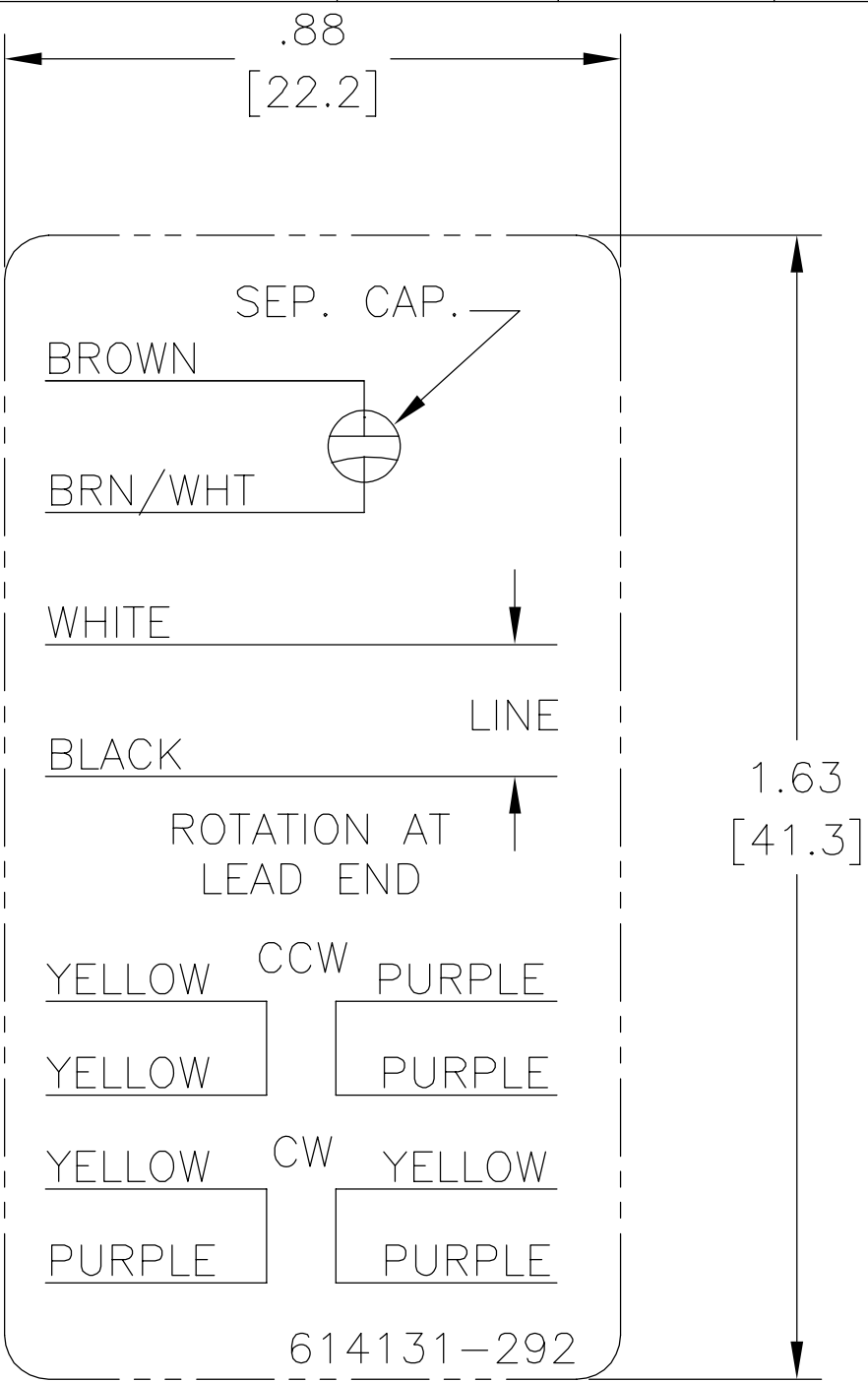
REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	ECO-0022458	jrupert	09-19-2011	jrupert	09-19-2011



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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	ELECTRICAL PRODUCTS COMPANY Innovation has a name. A DIVISION OF A. O. SMITH CORPORATION		
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					ESCALA:NONE	

版本	ECO	编制	日期	批准	日期
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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 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		ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION					
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