

PRODUCT INFORMATION PACKET



Model No: HW2014L

Catalog No: HW2014L

Circulator Pump Motor, 1/6 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 48Z Frame, ODP



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Nameplate Specifications

Output HP	1/6 Hp	Output KW	0.13 kW
Frequency	60 Hz	Voltage	115 V
Current	3.0 A	Speed	1725 rpm
Service Factor	1.35	Phase	1
Duty	Continuous	Insulation Class	B
Frame	48Z	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4	Rotation	Reversible Counterclockwise
Mounting	Cushion Ring	Drive End Bearing	Sleeve
Opp Drive End Bearing	Sleeve	Frame Material	Rolled Steel
Shaft Type	Flat	Overall Length	8.61 in
Frame Length	4.40 in	Shaft Diameter	0.500 in
Shaft Extension	8.38 in		
Outline Drawing	HW2014L-S01	Connection Drawing	2511148-001-S01

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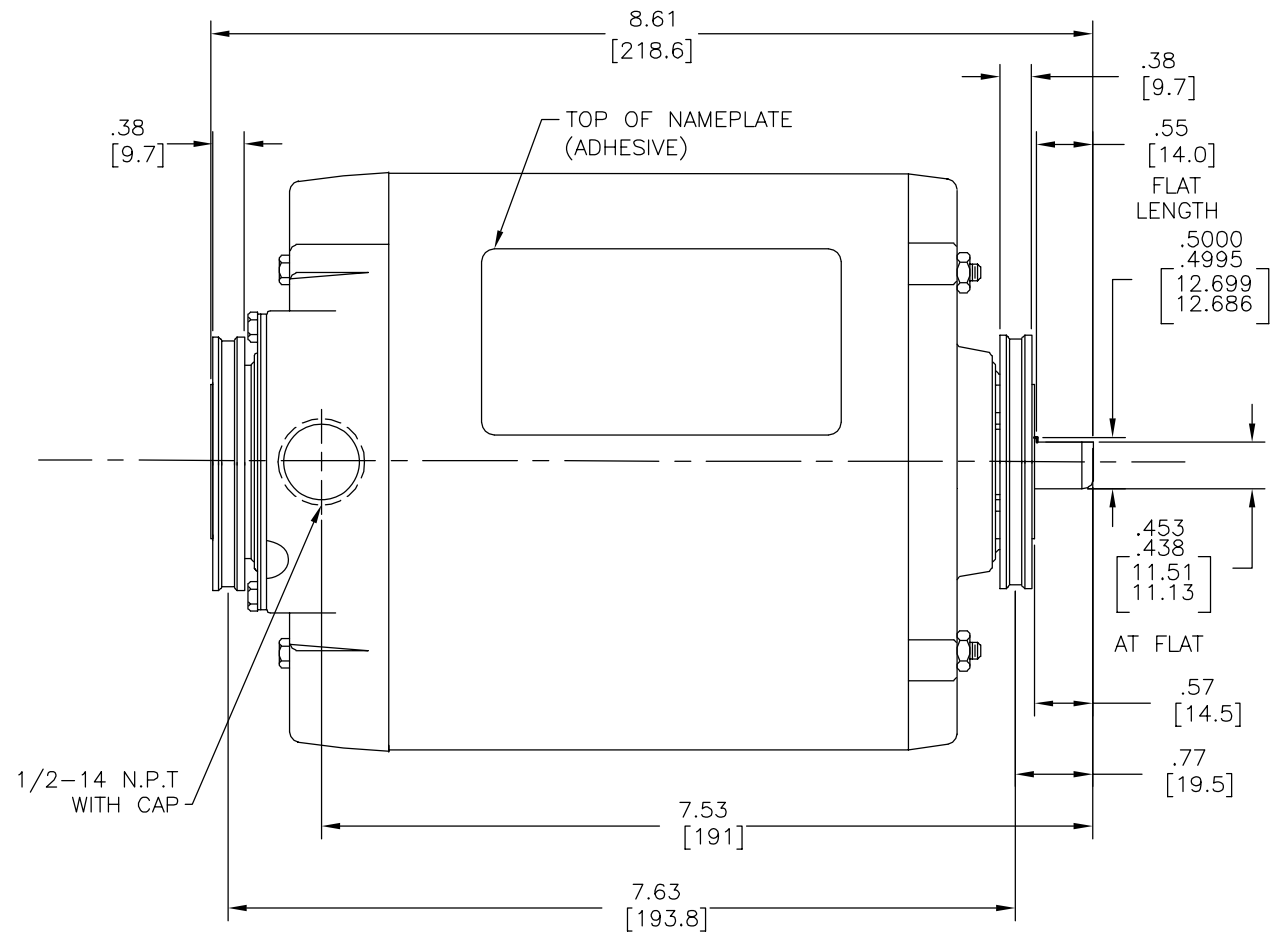
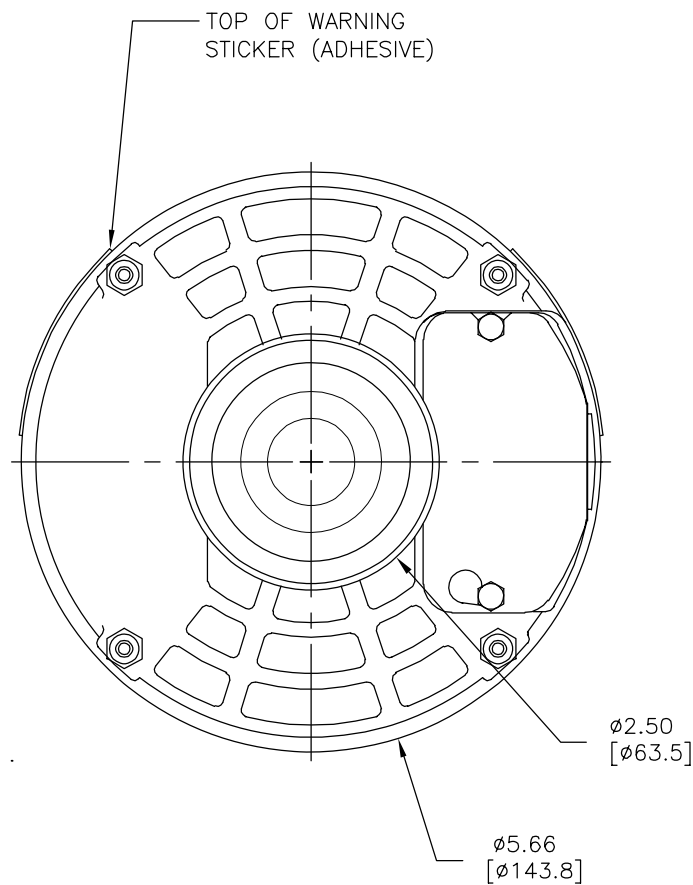
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REV	ECO	REV BY	DATE	APPD	DATE
D	0025577	H.ZHANG	04-24-2012	B.SHEN	04-24-2012



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

ASME Y14.5M 1994

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:

MG

09-18-2008

APPD:

TC

09-18-2008

THIRD ANGLE PROJECTION



EDS DATE 11-11-2011

FORMAT REV G

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REGAL-BELOIT CORPORATION

DESCRIPTION

OUTLINE

SIZE

C

DWG NO

HW2014L

SCALE NONE

SHEET 1

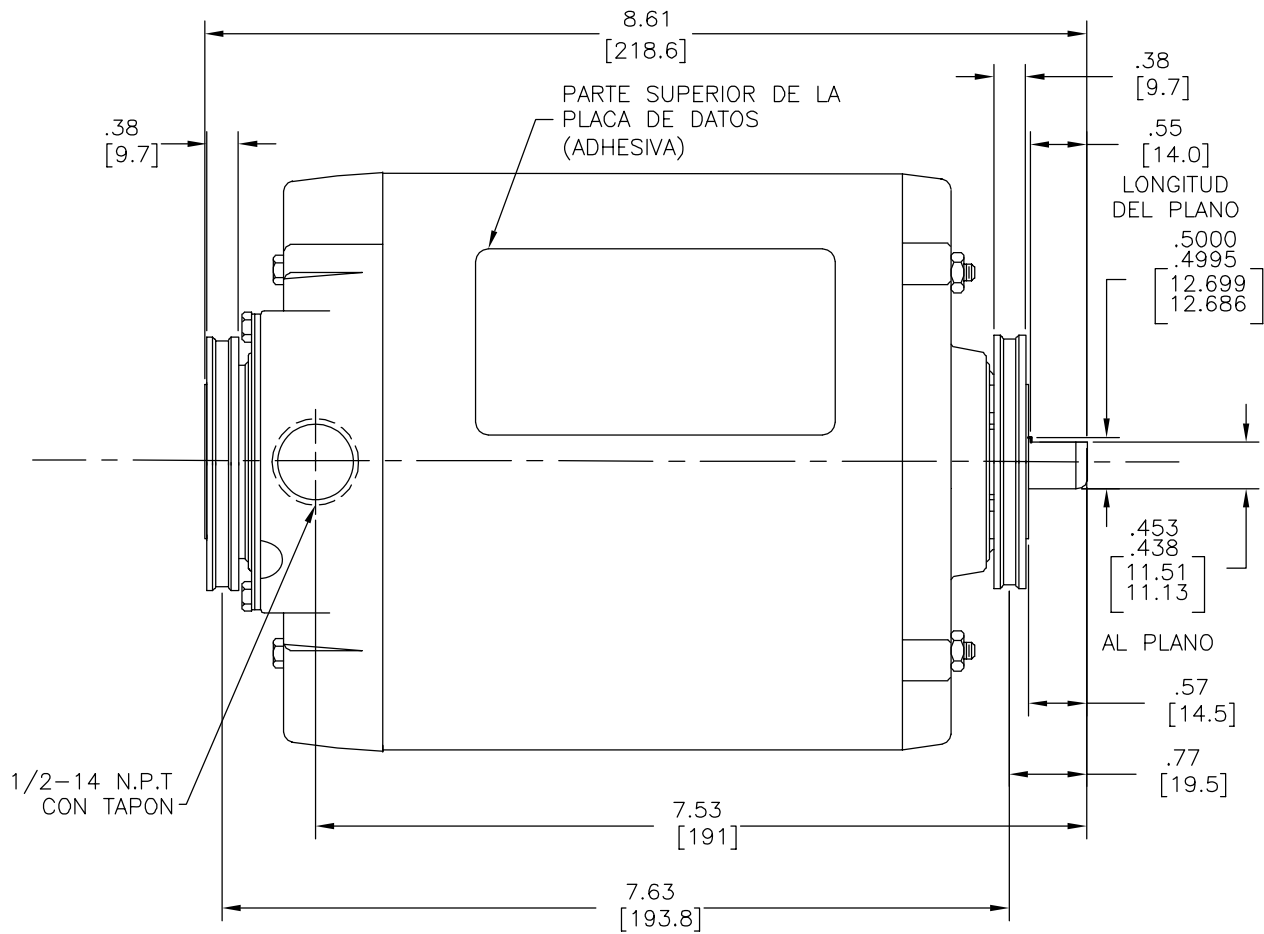
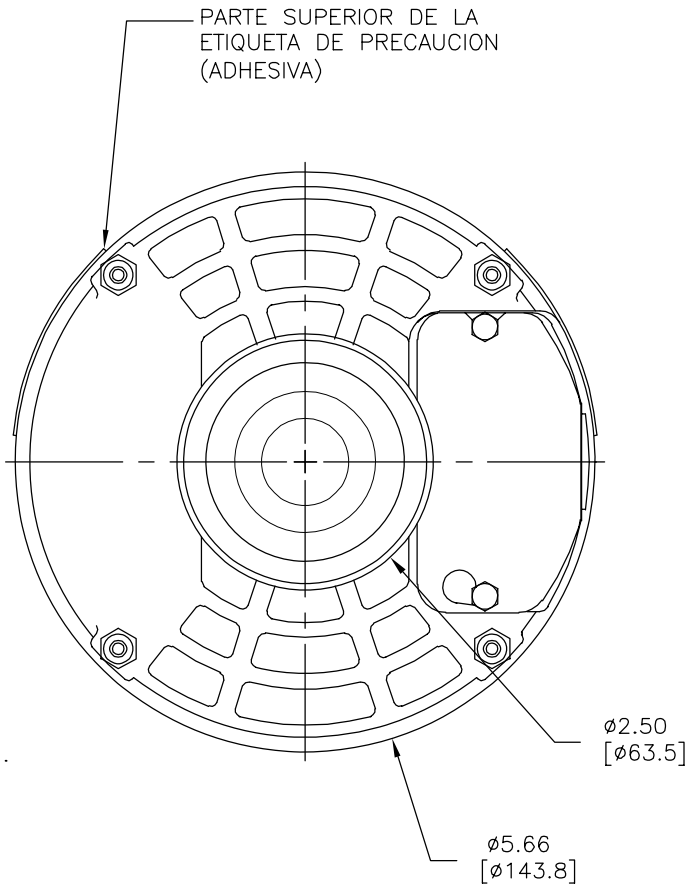
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
D	0025577	H.ZHANG	04-24-2012	B.SHEN	04-24-2012



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:	
	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 .32
DIMS METRICAS MOSTRADAS [PARENTESIS]	

DIBUJADO POR:	MG	09-18-2008
APROBADO POR:	TC	09-18-2008
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 11-11-2011
		REV. FORMATO: G
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 REGAL-BELOIT CORPORATION	
DESCRIPCION:	
OUTLINE	
TAMAÑO: C	NUMERO DE DIBUJO: HW2014L
ESCALA: NONE	HOJA: 1

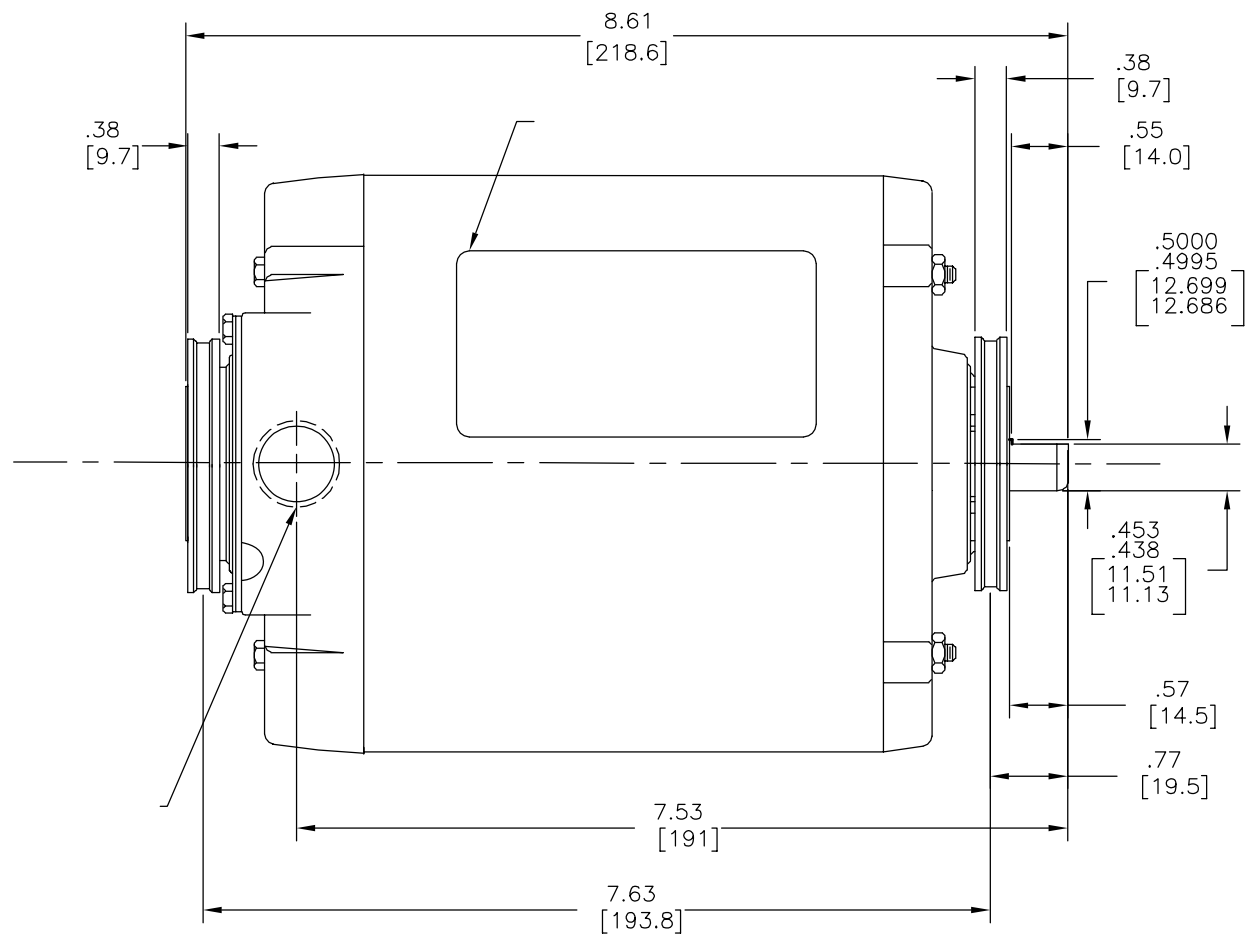
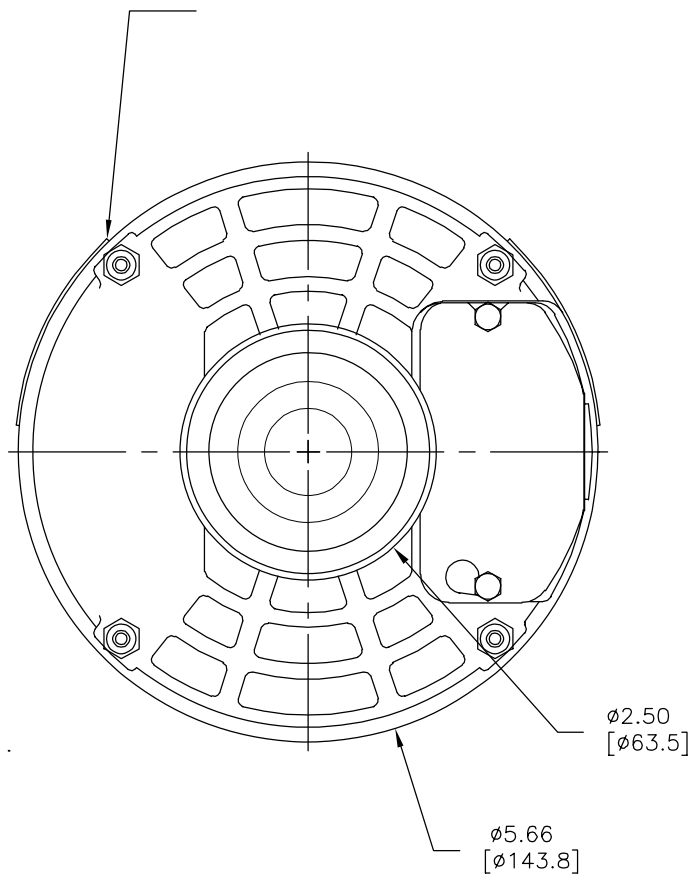
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版本	ECO	编制	日期	批准	日期
D	0025577	H.ZHANG	04-24-2012	B.SHEN	04-24-2012



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

ASME Y14.5M 1994

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:

MG

09-18-2008

批准:

TC

09-18-2008

第三角投影



图纸格式发布日期 11-11-2011

图纸格式版本 G

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REGAL-BELOIT CORPORATION

名称

OUTLINE

图幅

C

图号

HW2014L

比例

NONE

页号

1

4

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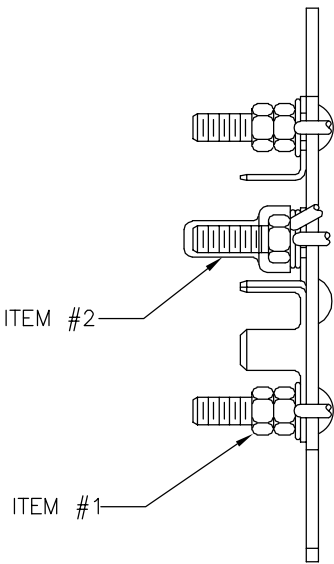
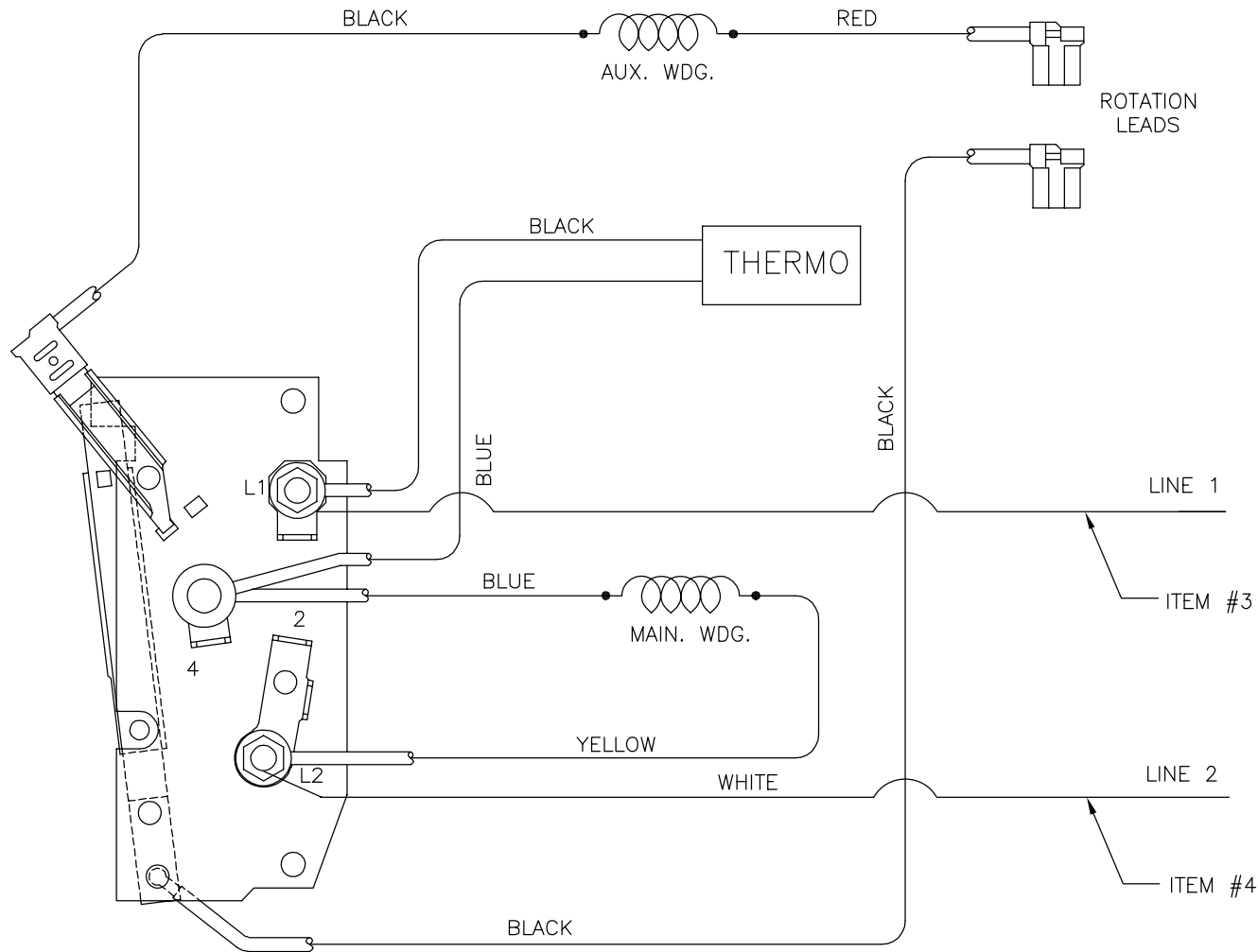
REV	ECO	REV BY	DATE	APPD	DATE
B	0013737	J MENA	01-21-2011	S JIMENEZ	01-21-2011

ROT	VOLT	CONNECTION	NOTICE
CCW	115	BLACK → 2 RED → 4	92GR 0416
CW	115	RED → 2 BLACK → 4	97GR 0134

SINGLE VOLTAGE: REVERSIBLE
THERMAL PROTECTOR

NOTES:

1. CONNECT ROTATION LEADS PER DASH
CONDITION SPECIFIED IN B.O.M. FOR MODEL.
2. LEAD LOCATION SHOULD BE ESSENTIALLY
AS SHOWN.



(DRFT REF: 369C424H01 TERM BOARD)

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	XX	±.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:	AJB	09-23-2010
APPD:	AJB	09-23-2010
THIRD ANGLE PROJECTION	⊕	EDS DATE 02-22-2008 FORMAT REV F
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PARTS LIST			
ITEM	REQ'D	DESCRIPTION	PART NUMBER
1	1	TERMINAL INSUL	167A168H01
2	5	NUT. HEX-#8	368C210H05
3	1	LEAD	091B18-KD-115-24
4	1	LEAD	091W18-KD-125-24

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

DESCRIPTION			
EXTERNAL PARTS GROUP			
SIZE	C	DWG NO	2511148-001
SCALE	NONE		SHEET 1

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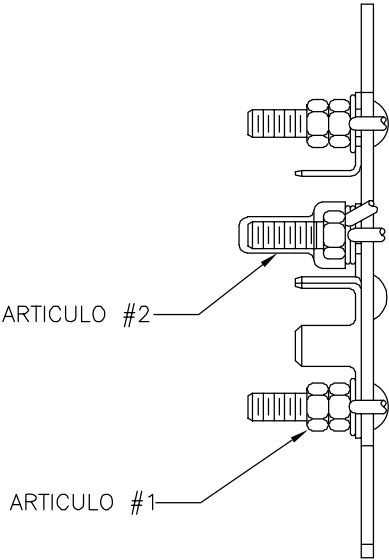
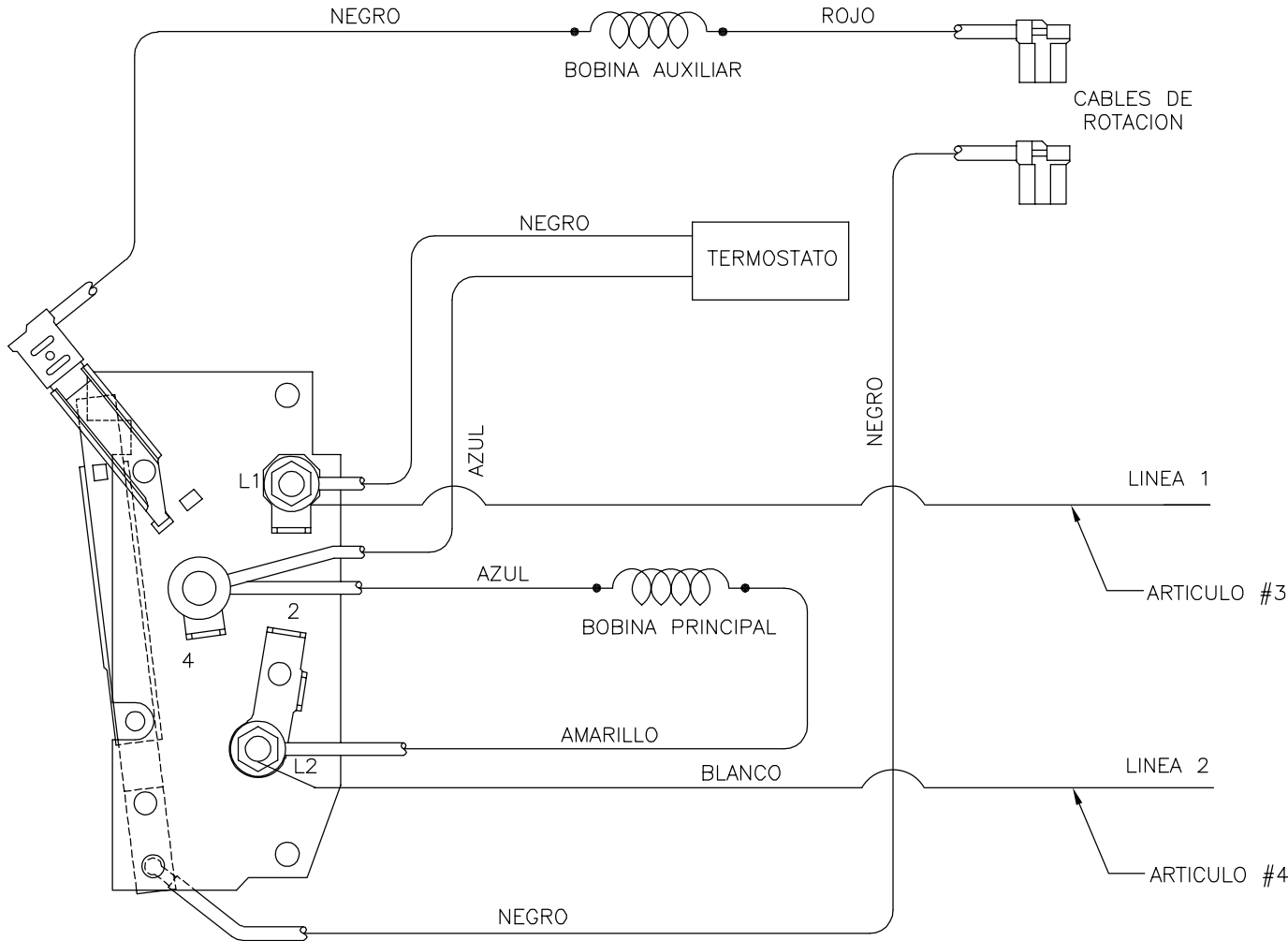
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0013737	J MENA	01-21-2011	S JIMENEZ	01-21-2011
		ROTACION	VOLTAJE	CONEXIONES	NOTIFICACION
		CCW	115	NEGRO → 2 ROJO → 4	92GR 0416
		CW	115	ROJO → 2 NEGRO → 4	97GR 0134

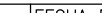
VOLTAJE SENCILLO: PROTECTOR
THERMAL REVERSIBLE

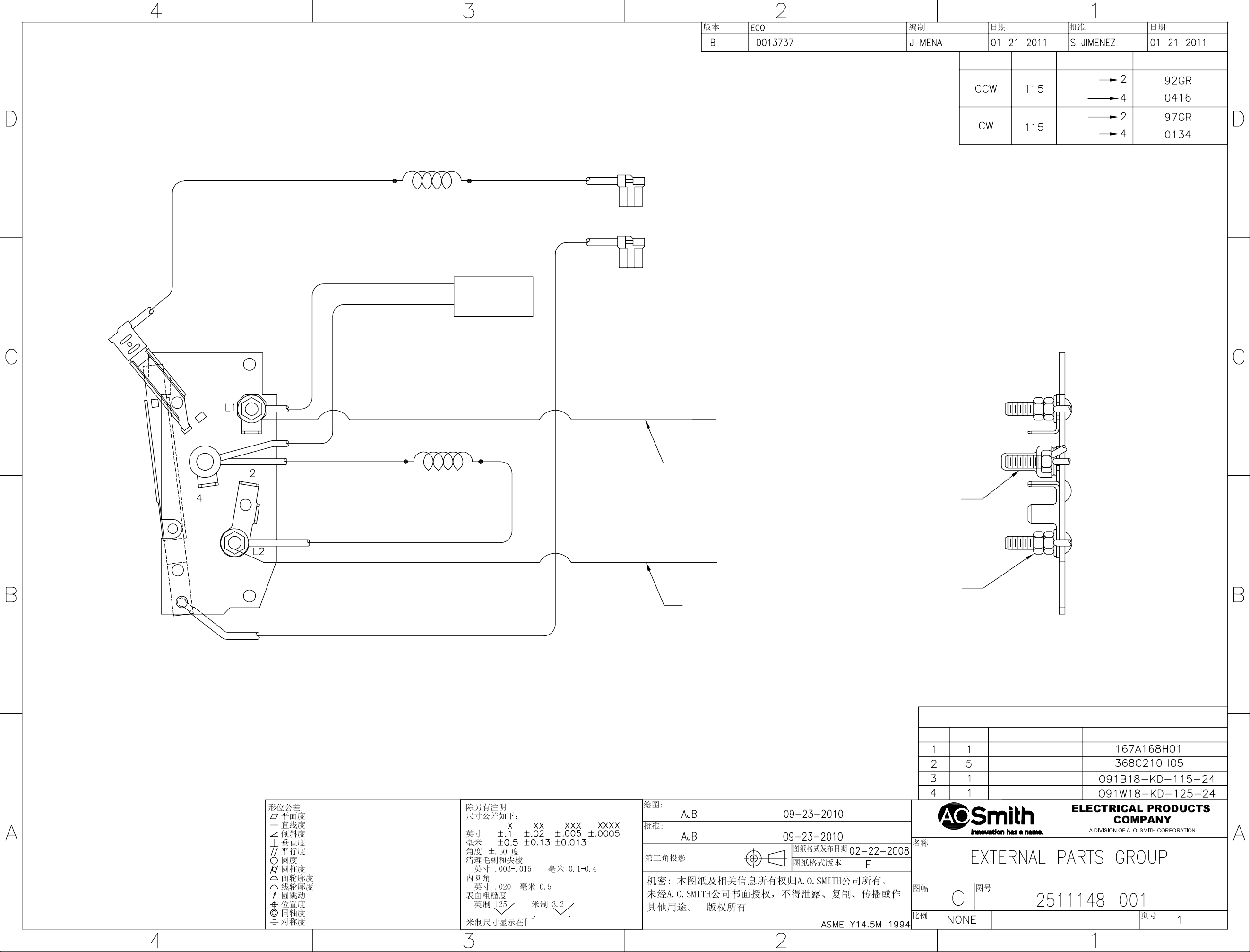
NOTAS:

1. CONECTAR LOS CABLES DE ROTACION POR ESPECIFICAIONES DE CONEXION PARA MODELO EN B.O.M.
2. LA UBICACION DE LOS CABLES DEBERAN ESTAR ESCENCIALMENTE COMO SE MUESTRAN.



(DIBUJO DE REFERENCIA: 369C424H01 TABLILLA DE TERMINALES)

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS		A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:		DIBUJADO POR: AJB		09-23-2010		ELECTRICAL PRODUCTS COMPANY INNOVATION HAS A NAME. A DIVISION OF A. O. SMITH CORPORATION	
/ PLANICIDAD - RECTITUD < ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⌀ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∧ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD ≡ SIMETRIA		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		APROBADO POR: AJB		09-23-2010		DESCRIPCION:	
		DIMS METRICAS MOSTRADAS [PARENTESIS]		TERCER ANGULO DE PROYECCION		 FECHA EDS: 02-22-2008 REV. FORMATO: F		EXTERNAL PARTS GROUP	
								TAMAÑO: C	
								NUMERO DE DIBUJO: 2511148-001	
								ESCALA: NONE	
								HOJA: 1	



版本	ECO	编制	日期	批准	日期
B	0013737	J MENA	01-21-2011	S JIMENEZ	01-21-2011
CCW		115	→ 2 → 4	92GR 0416	
CW		115	→ 2 → 4	97GR 0134	

1	1		167A168H01
2	5		368C210H05
3	1		091B18-KD-115-24
4	1		091W18-KD-125-24
ACSmith Innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION			
名称		EXTERNAL PARTS GROUP	
图幅	C	图号	2511148-001
比例	NONE	页号	1

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 ±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: AJB	09-23-2010
		批准: AJB	09-23-2010
		第三角投影	图纸格式发布日期 02-22-2008 图纸格式版本 F
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		ASME Y14.5M 1994	