

PRODUCT INFORMATION PACKET

Model No: SVB2074BV1

Catalog No: SVB2074BV1

Definite Purpose Motor, 3/4-1/3 HP, 1 Ph, 60 Hz, 115 V, 1800 RPM, 56Z Frame, ODP



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Nameplate Specifications

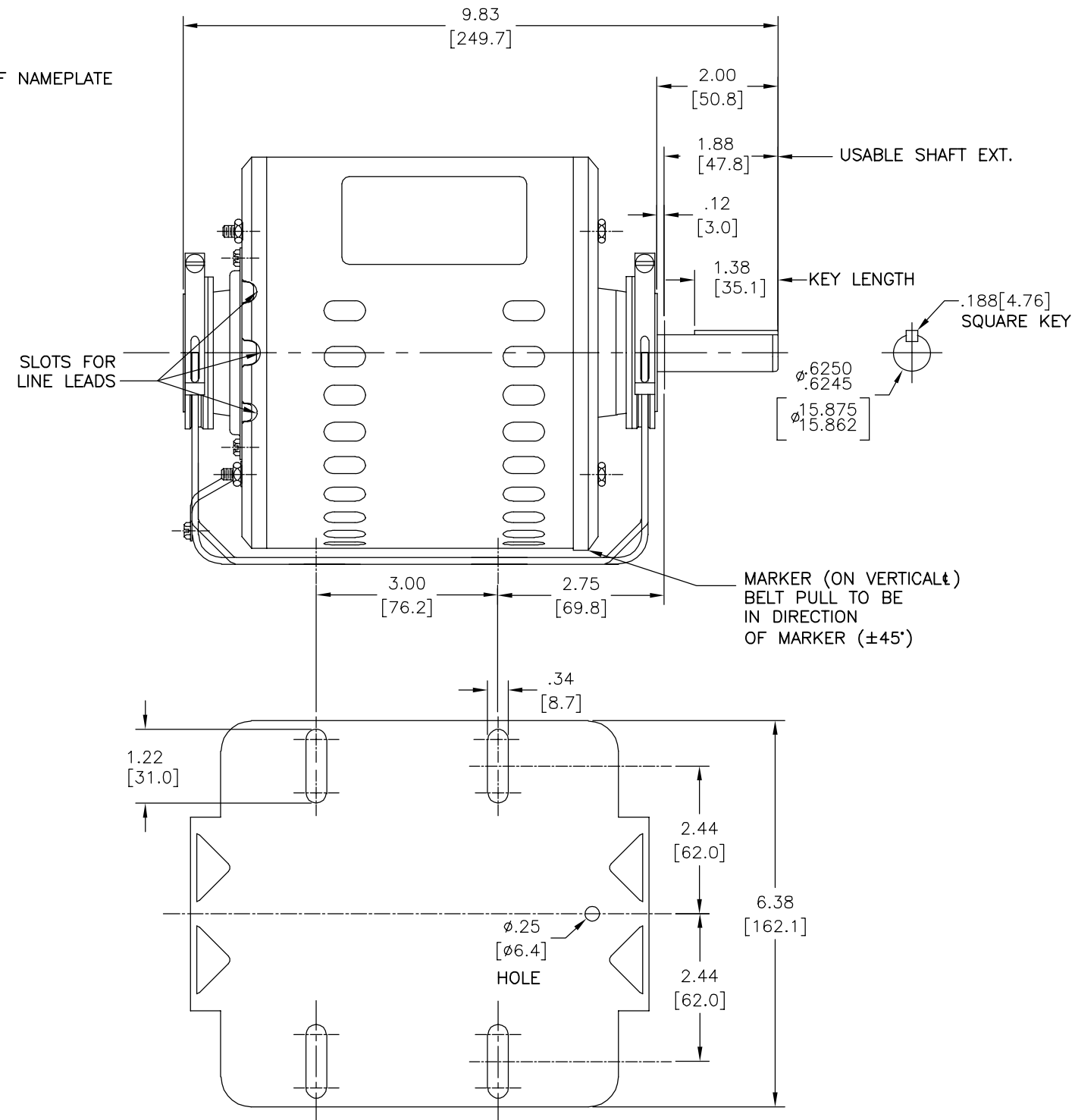
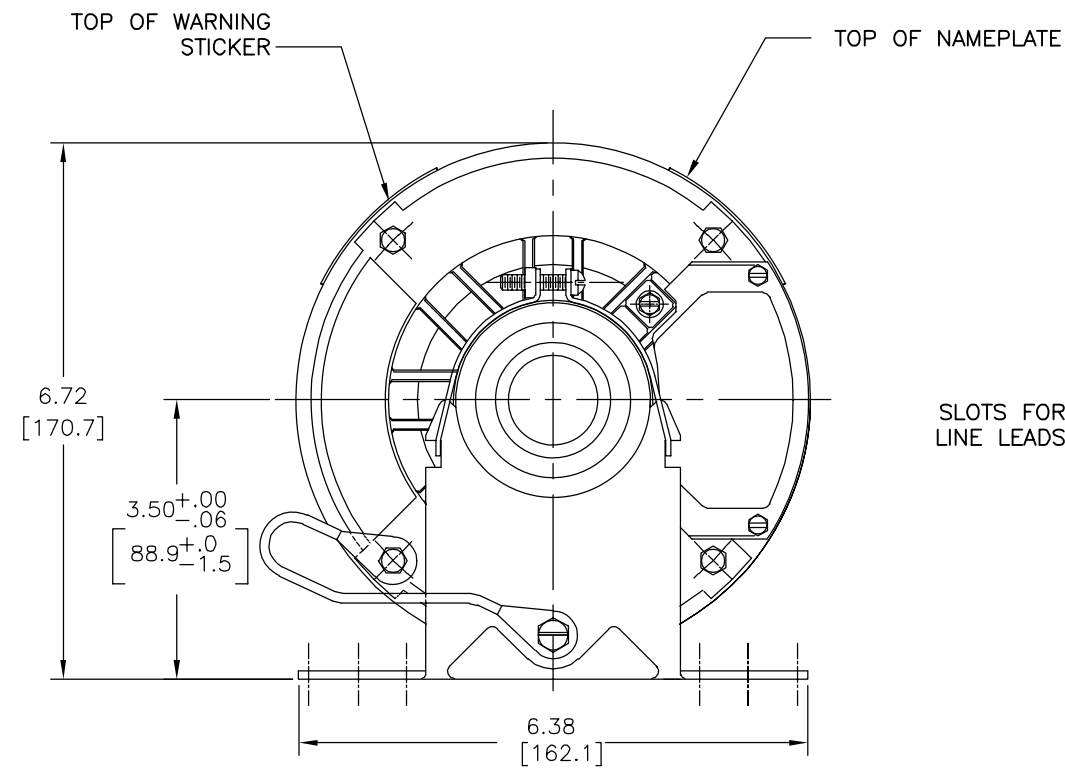
Output HP	3/4-1/3 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115 V
Current	9.8/6.4 A	Speed	1725/1140 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56Z	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

Technical Specifications

Electrical Type	Split Phase	Starting Method	Across The Line
Poles	4/6	Rotation	Reversible
Mounting	Resilient Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	9.83 in
Frame Length	5.20 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in		
Connection Drawing	630415-001	Outline Drawing	SVB2074BV1-S01

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REV	ECO	REV BY	DATE	APPD	DATE
B	0025387	B.ZHAO	04-18-2012	B.SHEN	04-18-2012



NOTES:
HEADS OF MTG. CLAMP SCREWS GO TOWARD CONDUIT BOX OPENING.

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 X XX XXX XXXX
mm ±0.1 ±0.02 ±0.005 ±0.0005
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:

APPD:

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV G

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REGAL-BELOIT CORPORATION

DESCRIPTION

OUTLINE

SIZE

C

DWG NO

SVB2074BV1

SCALE NONE

SHEET 1

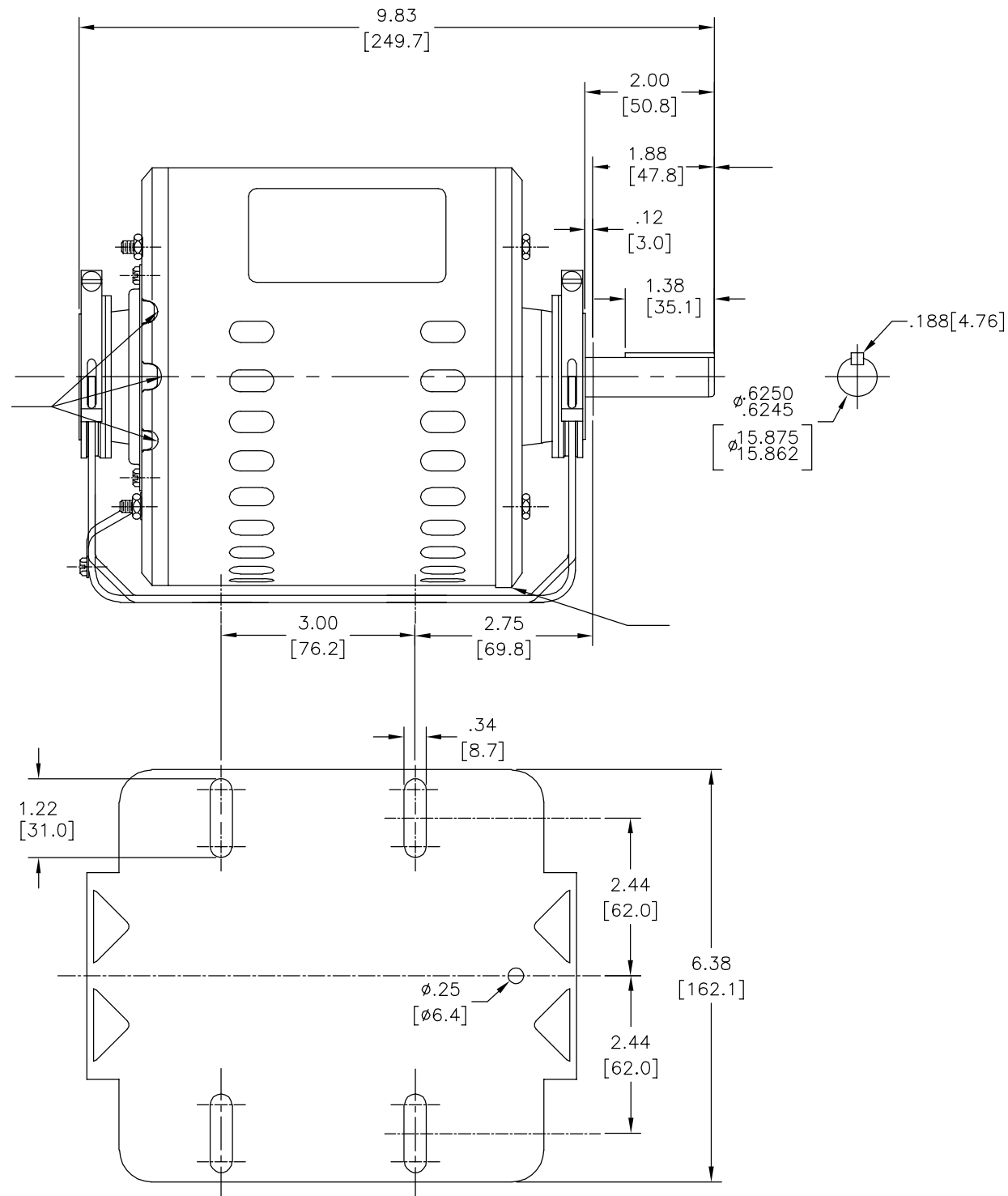
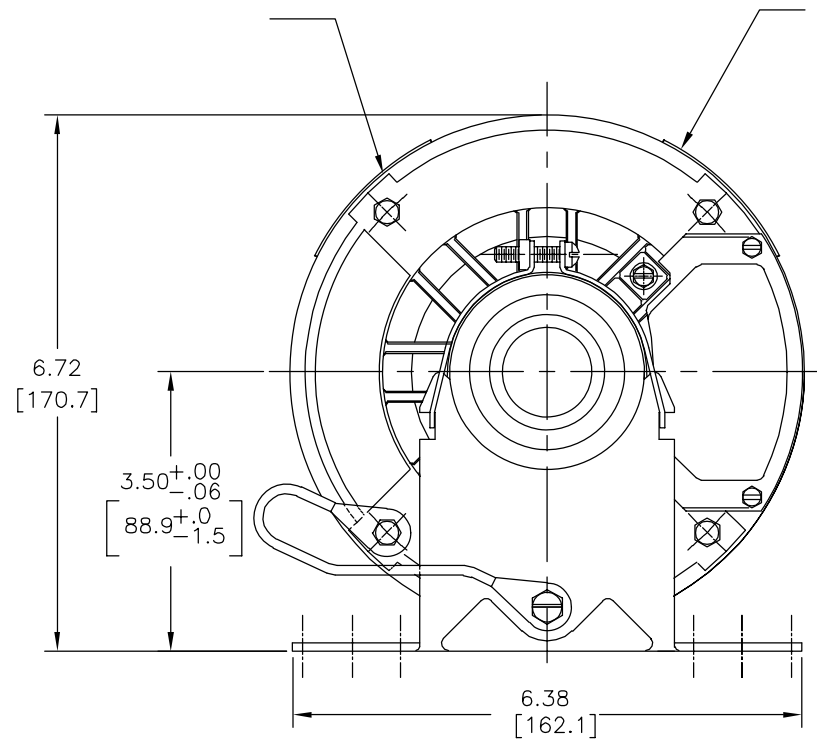
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0025387	B.ZHAO	04-18-2012	B.SHEN	04-18-2012



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

ASME Y14.5M 1994

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:

APROBADO POR:

TERCER ANGULO
DE PROYECCIONFECHA EDS: 11-11-2011
REV. FORMATO: G

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REGAL-BELOIT CORPORATION

DESCRIPCION:

OUTLINE

TAMAÑO: C

NUMERO DE DIBUJO:
SVB2074BV1

ESCALA: NONE

HOJA: 1

4

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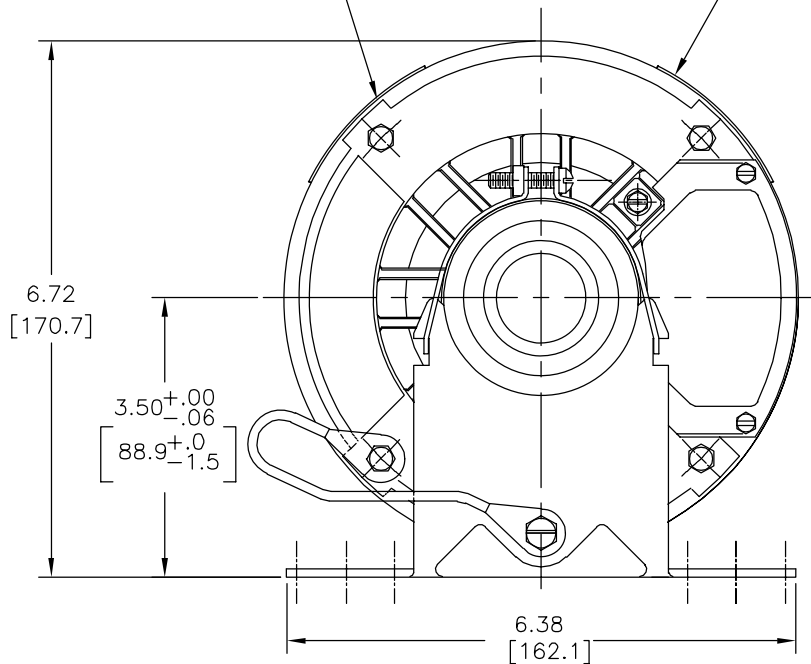
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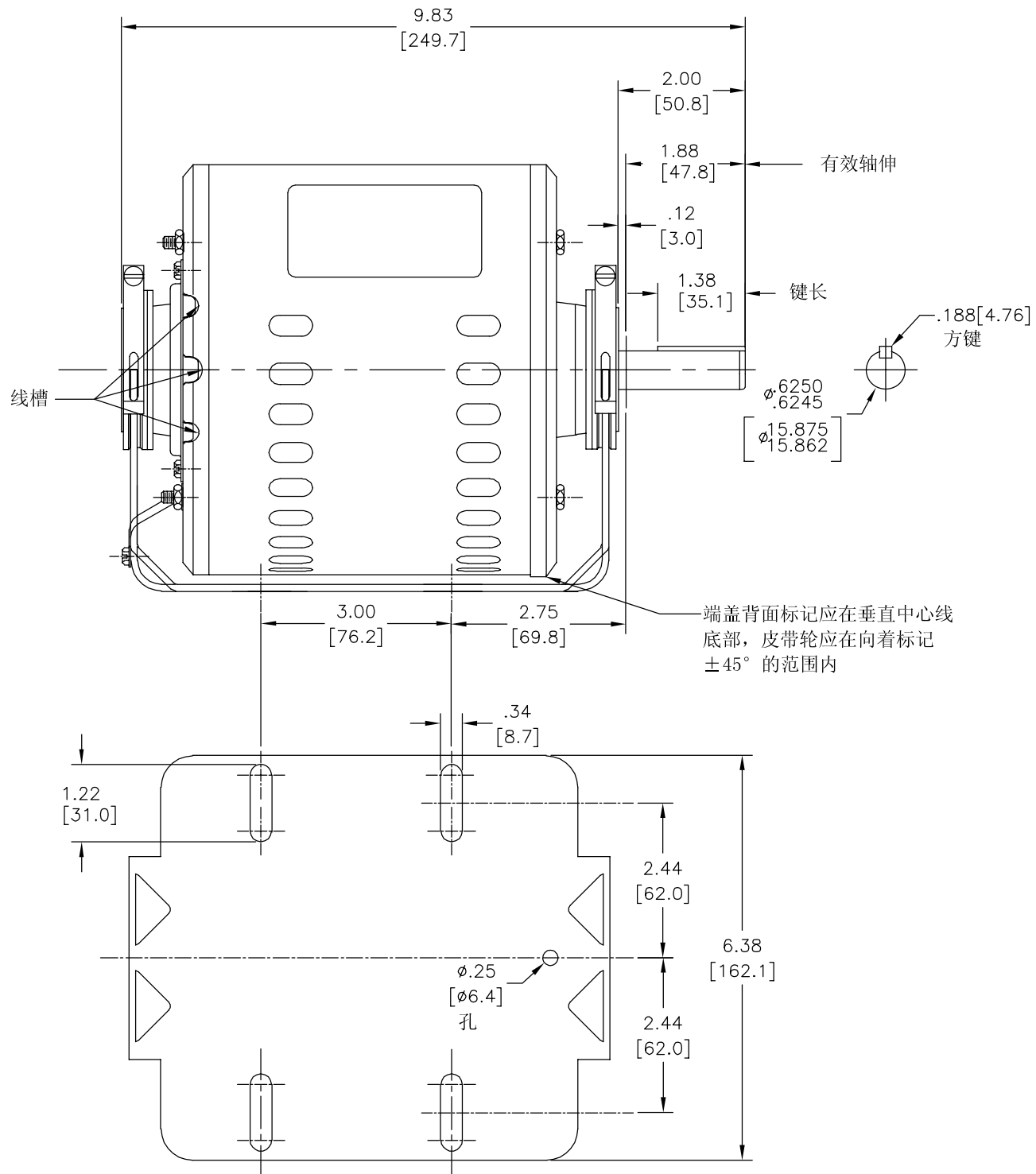
警告标贴顶部

铭牌顶部



技术要求:

卡箍组件安装螺钉头部朝向接线盒。



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	XX	XXX	XXXX
毫米	±.1	±.02	±.005 ±.0005
角度	±.50 度	±0.13	±0.013
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:

批准:

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

图幅

C

图号

SVB2074BV1

比例

NONE

页号


1

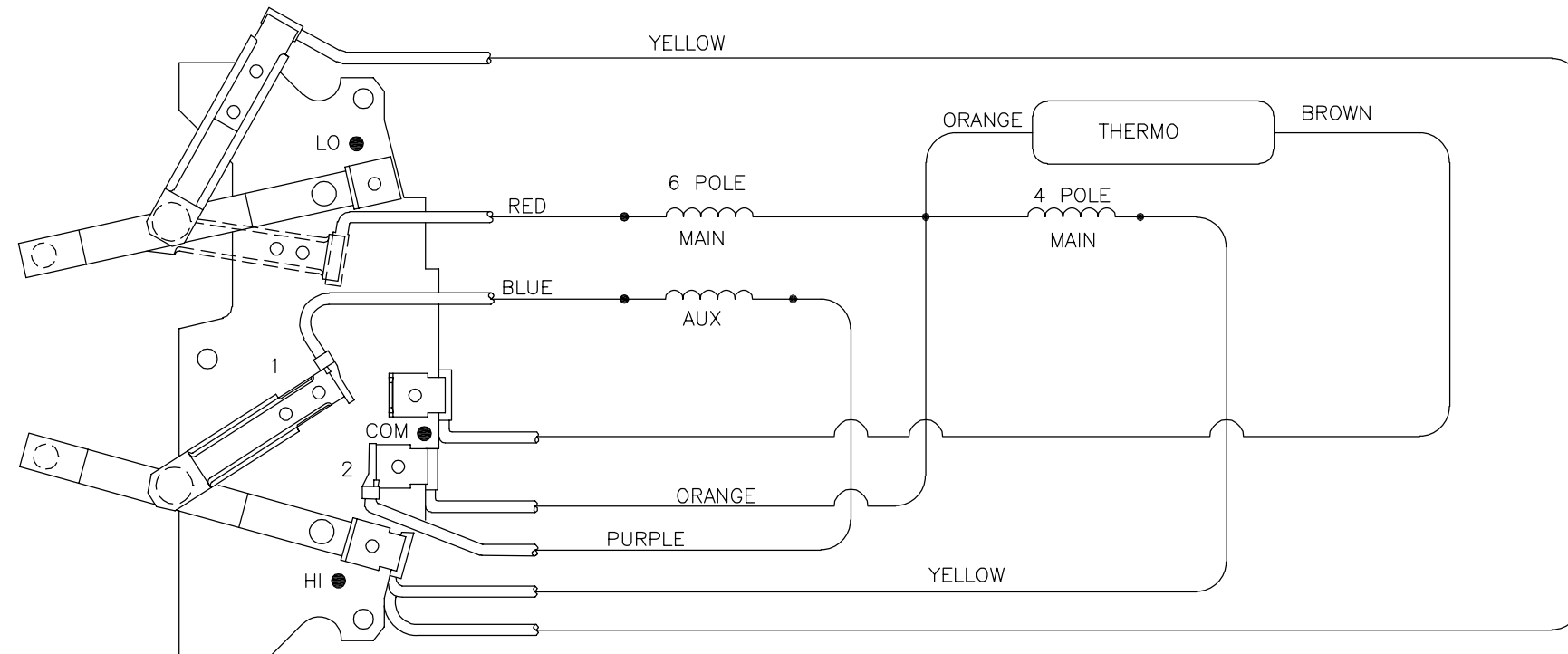
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2

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P / N	ROT	CONNECTION
-001A	CCWLE	BLUE 1 PURPLE  2
-001B	CWLE	PURPLE 1 BLUE 2



(CCWLE ROTATION SHOWN)

HIGH SPEED	
L1	COM
L2	HI

LOW SPEED	
L1	COM
L2	LO

GEOMETRIC CHARACTERISTICS & SYMBOLS □ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ϕ CYLINDRICITY Δ PROFILE OF ANY SURFACE ∩ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: <div>X XX XXX XXXX</div> <div>INCH ±.1 ±.02 ±.005 ±.0005</div> <div>mm ±0.5 ±0.13 ±0.013</div> <div>ANG. ±.50 DEG</div> <div>REMOVE BURRS & BREAK SHARP EDGES:</div> <div>INCH .003-.015 mm 0.1-0.4</div> <div>CORNER FILLETS TO:</div> <div>INCH .020 mm 0.5</div> <div>MACHINE SURFACES:</div> <div>INCH 125 mm 3.2</div> <div>METRIC DIMS. SHOWN IN [BRACKETS]</div>	DR BY:	WENDLING	30-09-2004	<div><div>ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION</div></div>			
		APPD:	JSS	30-09-2004		DESCRIPTION	CONNECTION-DIAG EXTRNL	
		THIRD ANGLE PROJECTION		EDS DATE		EDS DATE	SIZE	DWG NO
				FORMAT		REV		
		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.				SCALE	NONE	
ASME Y14.5M 1994								

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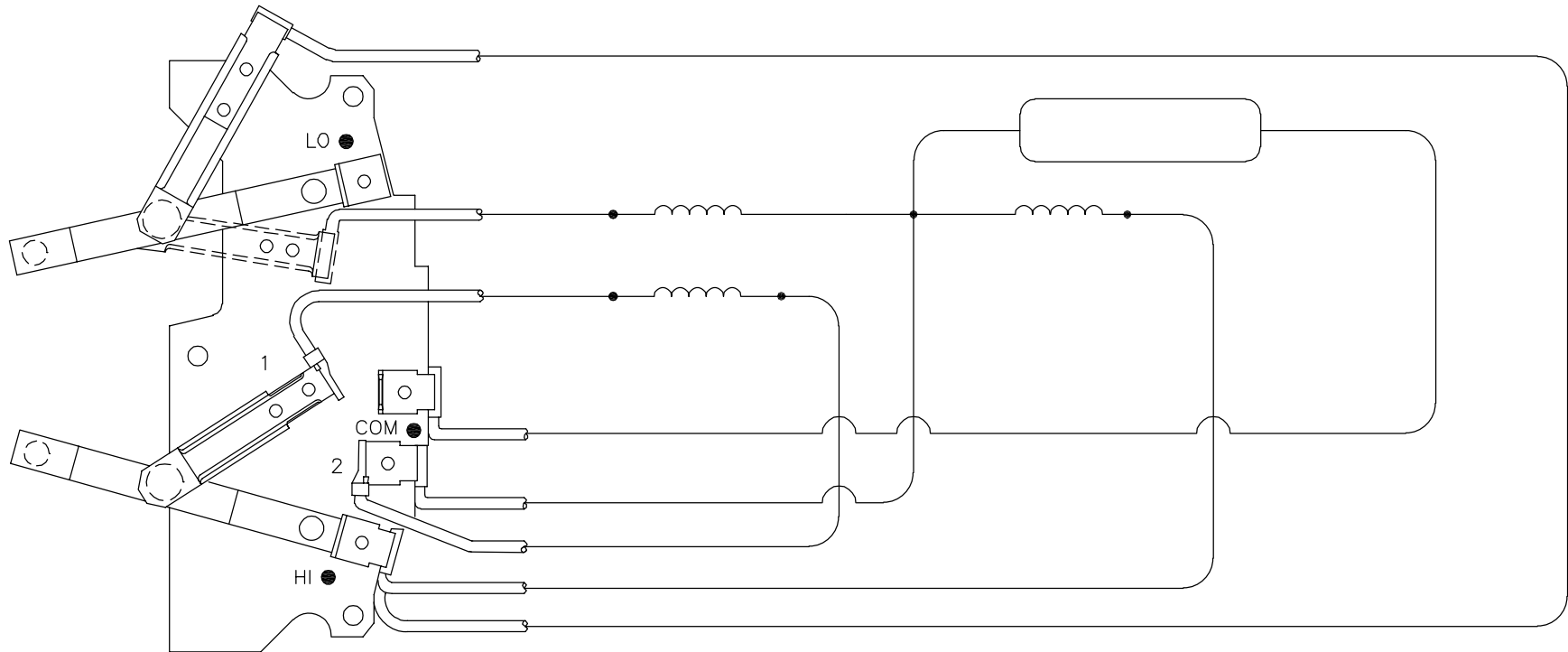
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	0001068	keyun.gong	07/14/2008	MArguelles	07/14/2008

P / N		
-001A		→ 1 → 2
-001B		→ 1 → 2



L1	→	COM
L2	→	HI

L1	→	COM
L2	→	LO

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
▧ PLANICIDAD
— RECTITUD
∠ ANGULARIDAD
⊥ PERPENDICULARIDAD (A ESCUADRA)
// PARALELISMO
○ REDONDEZ (CIRCULARIDAD)
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△ 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:
PULG $\pm .1$ $\pm .02$ $\pm .005$ $\pm .0005$
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 $\frac{1}{125}$ mm $\frac{3}{32}$
DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR:	WENDLING	30-09-2004
APROBADO POR:	JSS	30-09-2004
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: EDS DATE
		REV. FORMATO: F
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ACSmith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
DESCRIPCION: CONNECTION-DIAG EXTRNL			
TAMAÑO: C	NUMERO DE DIBUJO: 630415-001		
ESCALA:NONE		HOJA: 1	

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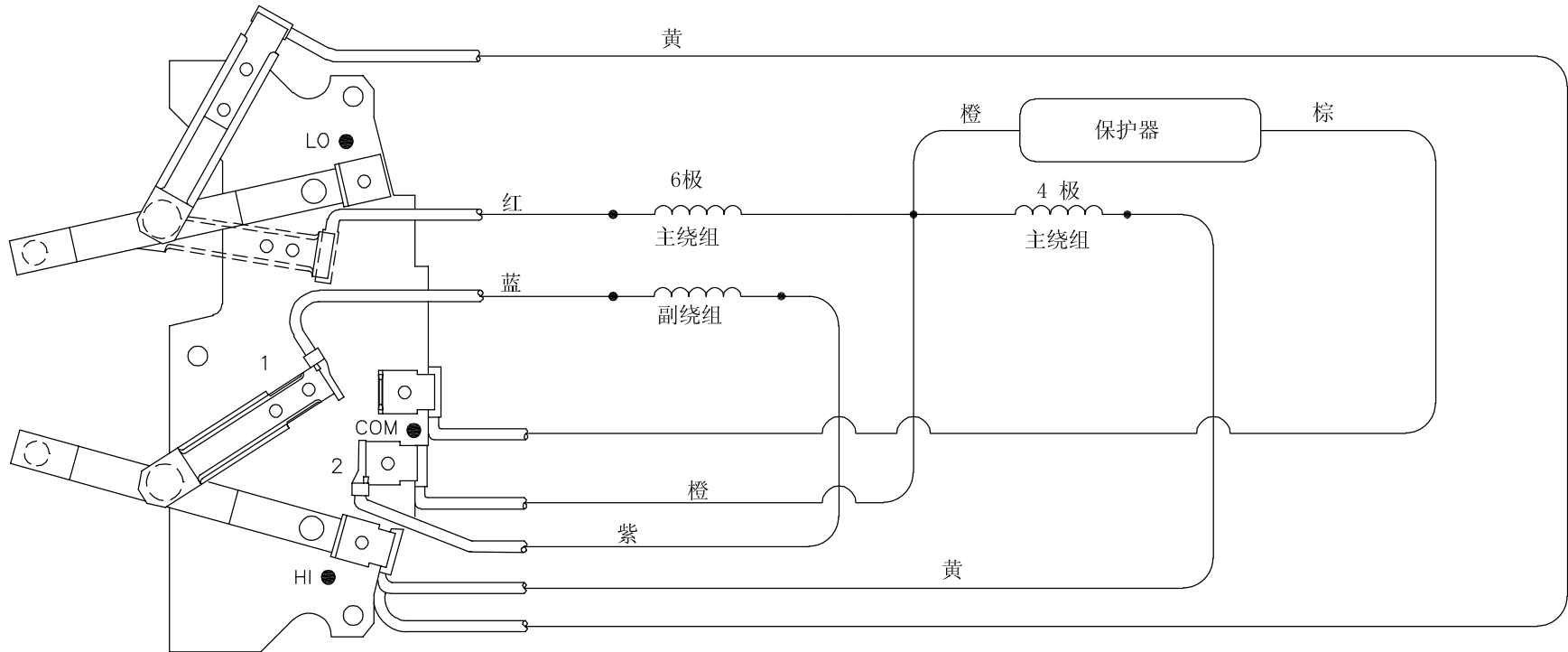
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版本	ECO	编制	日期	批准	日期
A	0001068	keyun.gong	07/14/2008	MArguelles	07/14/2008

P / N	方向	连接
-001A	逆时针	蓝 —————> 1
		紫 —————> 2
-001B	顺时针	紫蓝 —————> 1
		蓝 —————> 2



(逆时针方向显示)

高速	
L1	—————> COM
L2	—————> HI

低速	
L1	—————> COM
L2	—————> LO

<div>形位公差</div> <div><div>□</div> 平面度</div> <div><div>—</div> 直线度</div> <div><div>∠</div> 倾斜度</div> <div><div>⊥</div> 垂直度</div> <div><div>∥</div> 平行度</div> <div><div>○</div> 圆度</div> <div><div>⊙</div> 圆柱度</div> <div><div>⌒</div> 面轮廓度</div> <div><div>△</div> 线轮廓度</div> <div><div>↗</div> 圆跳动</div> <div><div>⊕</div> 位置度</div> <div><div>⊗</div> 同轴度</div> <div><div>≡</div> 对称度</div>
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