

PRODUCT INFORMATION PACKET



Model No: SVB2074BV1

Catalog No: SVB2074BV1

3/4-1/3 HP 2 speed Evaporator Coil and Refrigeration Fan HVAC/R Motor, 1 phase, 1800/1200 RPM,
115 V, 56Z Frame, ODP
Definite Purpose Motors



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Nameplate Specifications

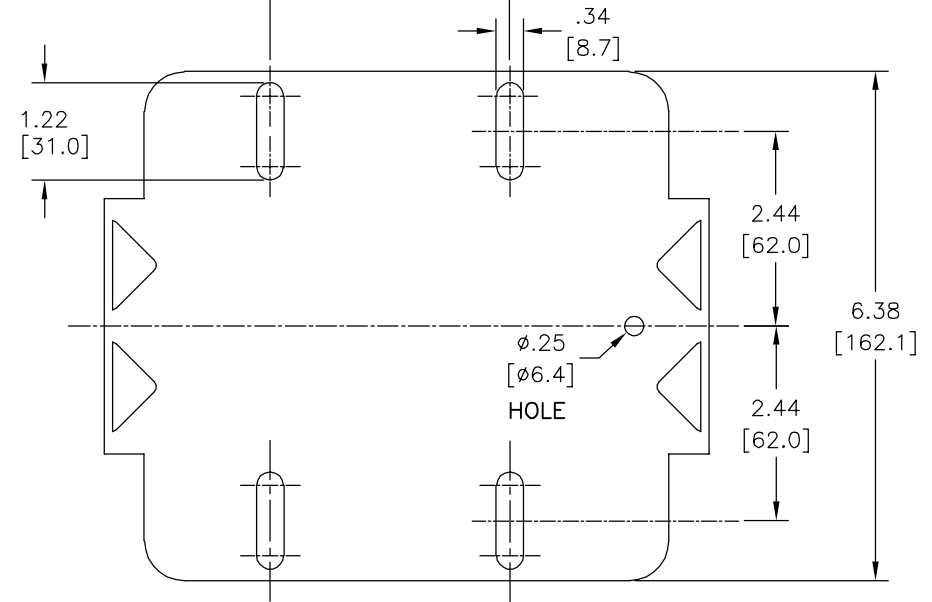
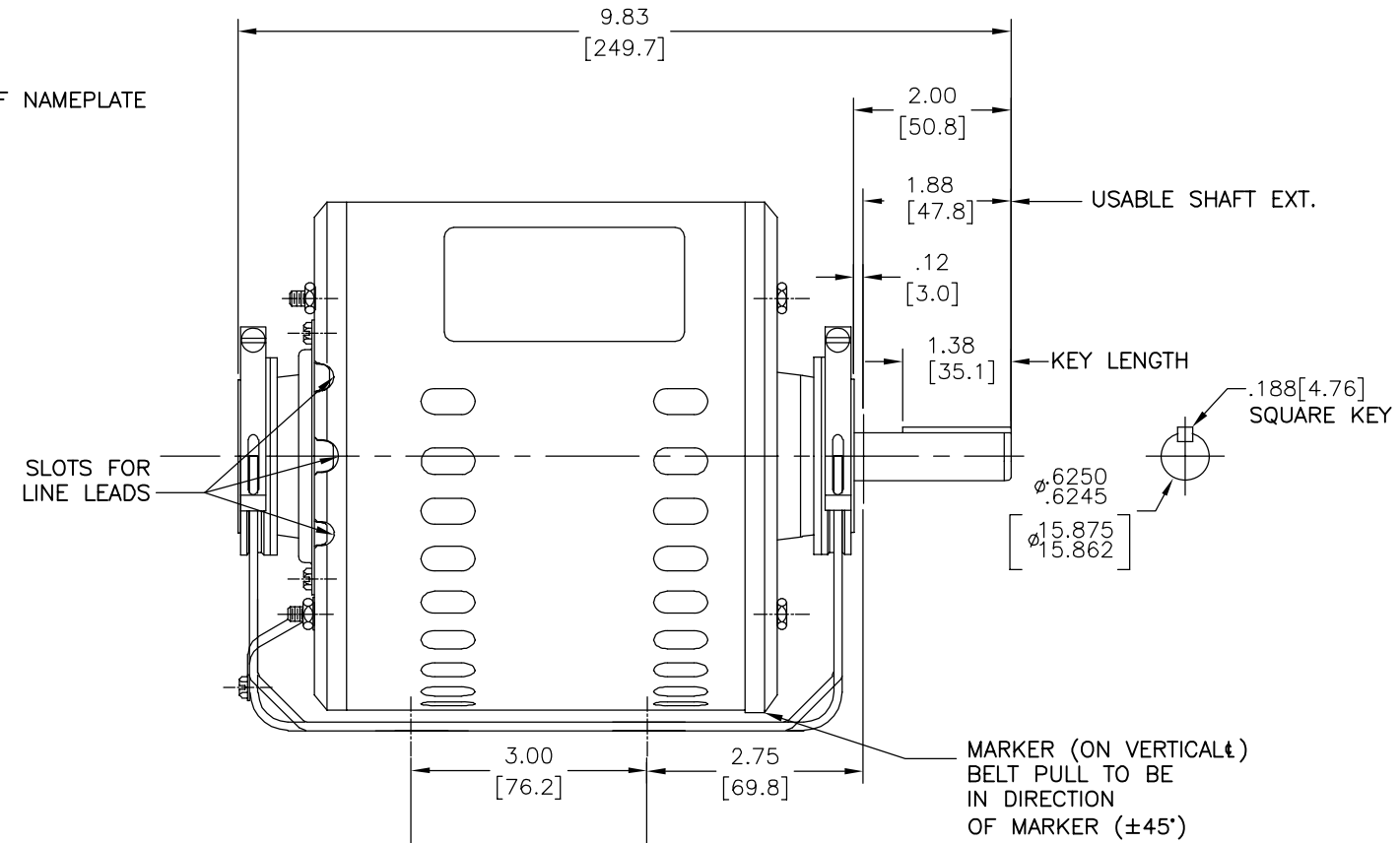
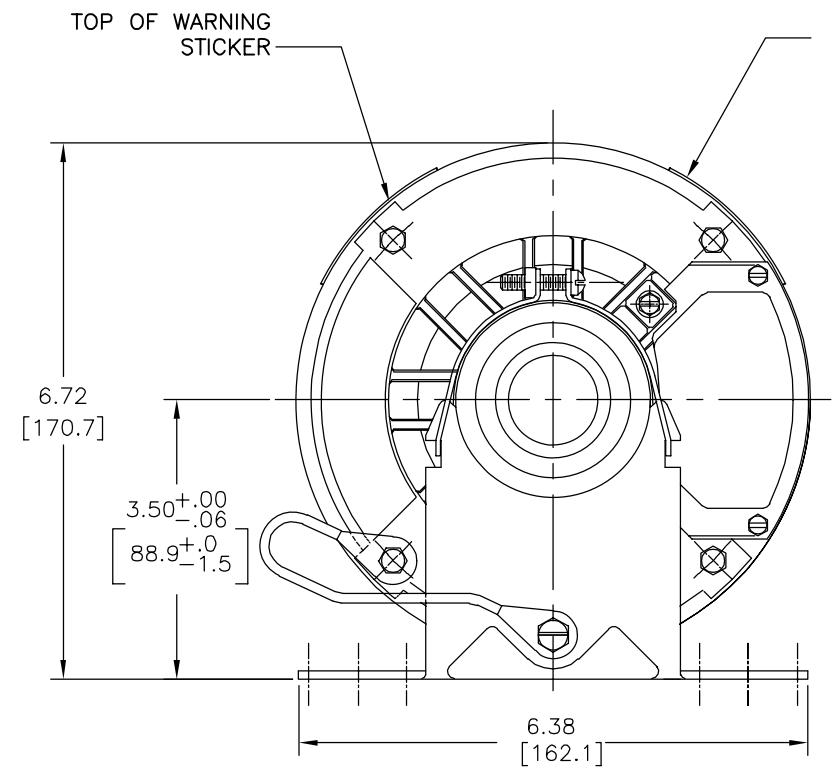
Output HP	3/4-1/3 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	115 V
Current	9.8/6.4 A	Speed	1725/1140 rpm
Service Factor	1	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56Z	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	2

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	±.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:

APPD:

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV G

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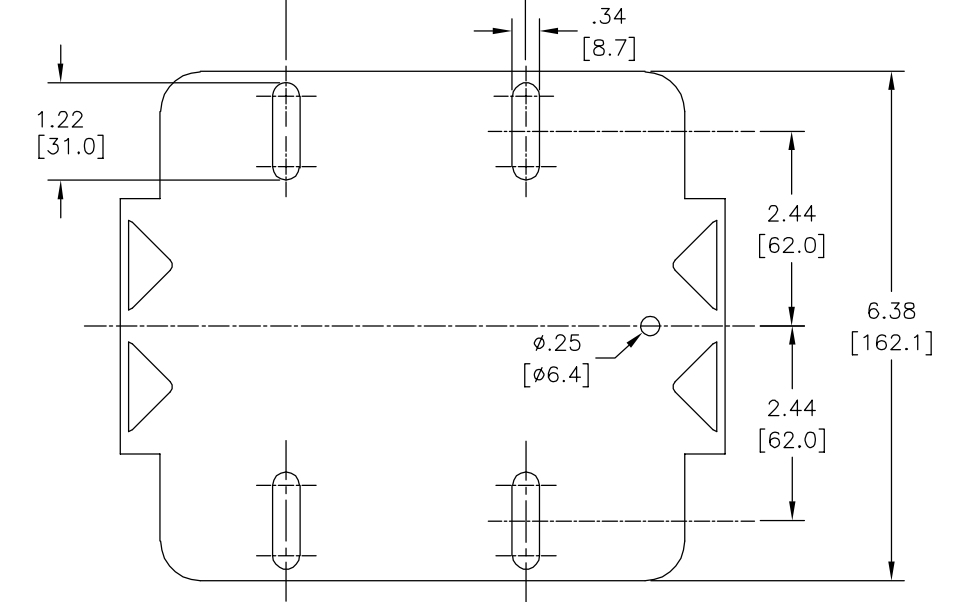
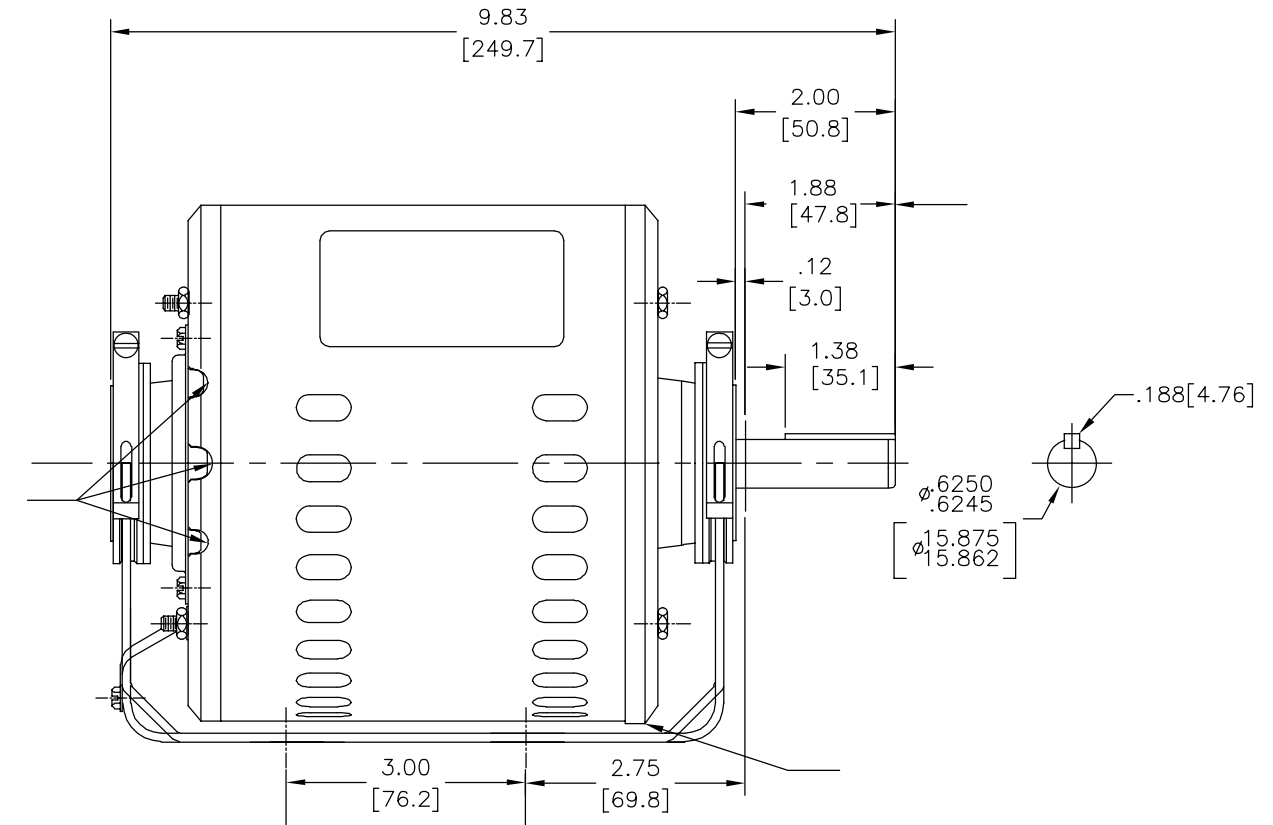
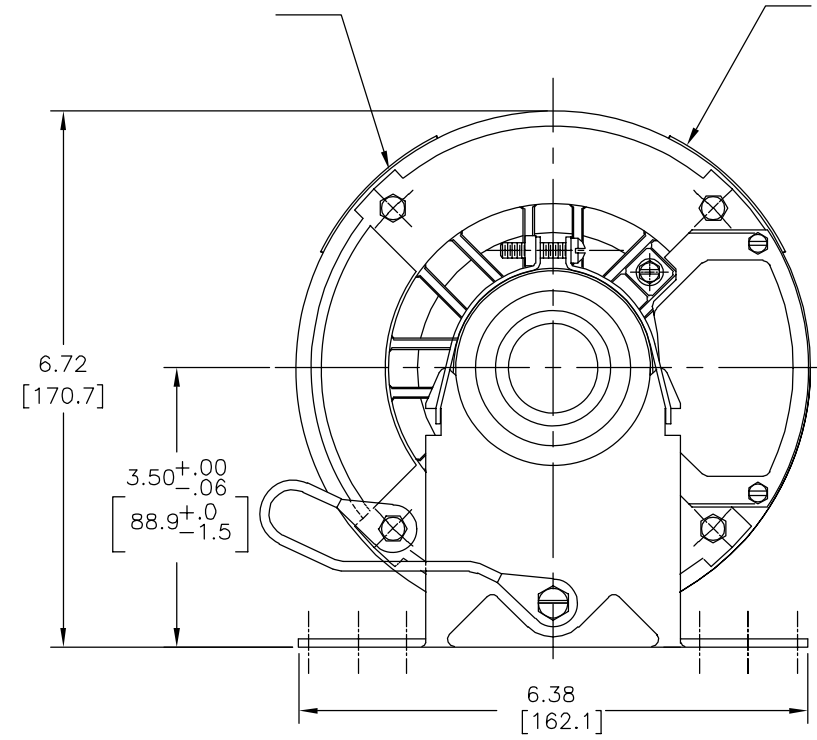
REGAL-BELOIT CORPORATION

DESCRIPTION: OUTLINE

SIZE: C DWG NO: SVB2074BV1

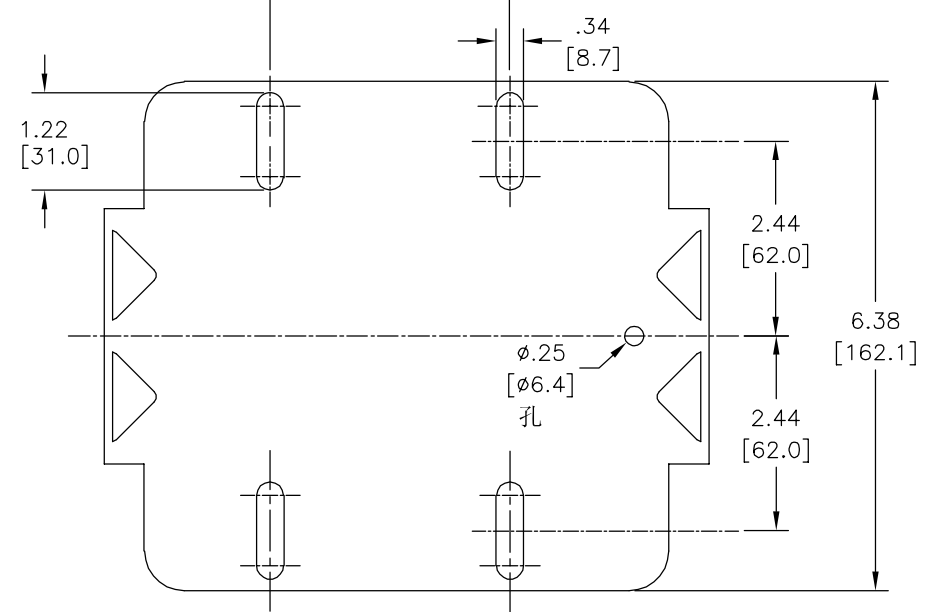
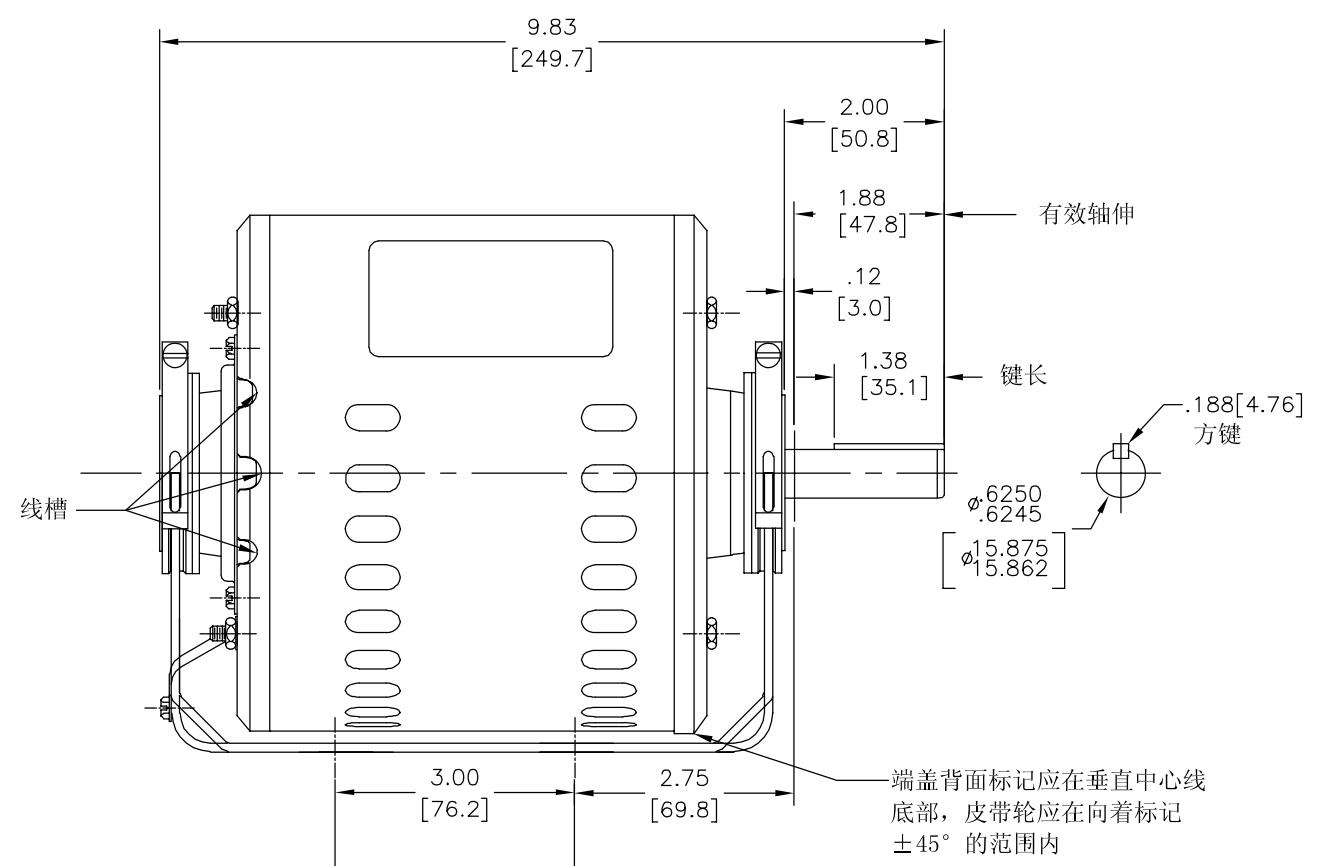
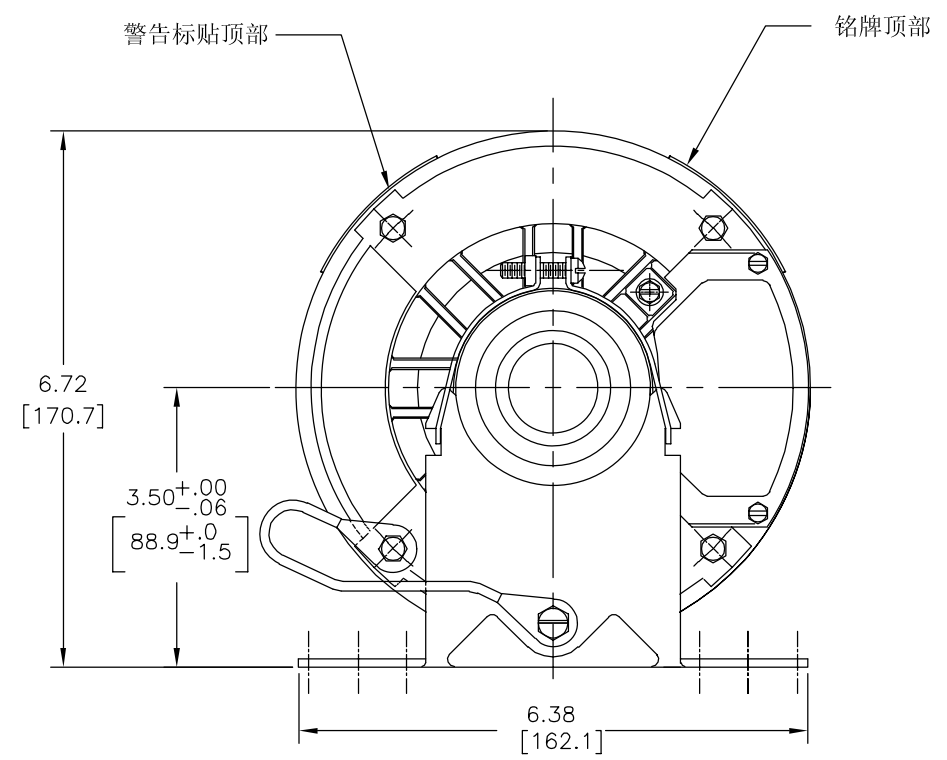
SCALE: NONE SHEET: 1

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



<p>CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS</p> <ul style="list-style-type: none"> □ PLANICIDAD - RECTITUD ∠ ANGULARIDAD ⊥ PERPENDICULARIDAD (A ESCUADRA) // PARALELISMO ○ REDONDEZ (CIRCULARIDAD) ⊘ CILINDRICIDAD △ PERFIL DE CUALQUIER SUPERFICIE ∧ PERFIL DE CUALQUIER LINEA ↑ VARIACION ⊕ POSICION REAL ◎ CONCENTRICIDAD = SIMETRIA <p>ASME Y14.5M 1994</p>	<p>A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:</p> <p>PULG ±.1 ±.02 ±.005 ±.0005 mm ±0.5 ±0.13 ±0.013</p> <p>ANG. ±50 GRADOS</p> <p>ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.</p> <p>PULG .003-.015 mm 0.1-0.4</p> <p>FILETEAR ESQUINA: PULG .020 mm 0.5</p> <p>MAQUINAR SUPERFICIES</p> <p>PULG 125 mm 3.2</p> <p>DIMS METRICAS MOSTRADAS [PARENTESIS]</p>	DIBUJADO POR: APROBADO POR:	
		TERCER ANGULO DE PROYECCION	
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		ESCALA: NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0025387	B.ZHAO	04-18-2012	B.SHEN	04-18-2012



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	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 []
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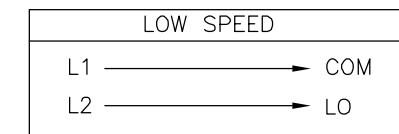
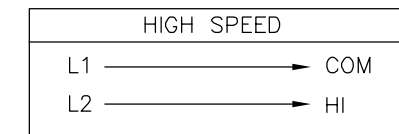
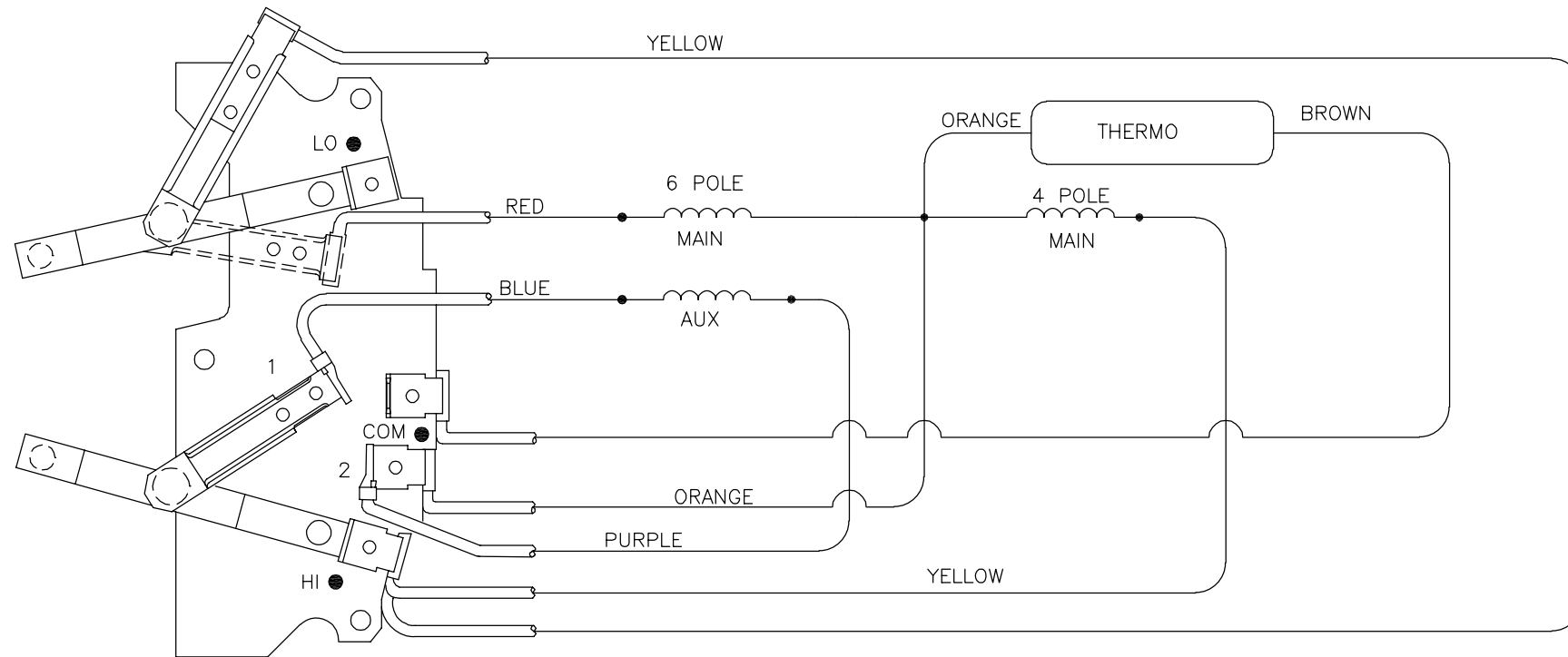
ASME Y14.5M 1994

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名称	OUTLINE图
图幅	C
图号	SVB2074BV1
比例	NONE
页号	1

REV	ECO	REV BY	DATE	APPD	DATE
A	0001068	keyun.gong	07/14/2008	MArguelles	07/14/2008

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



(CCWLE ROTATION SHOWN)

GEOMETRIC CHARACTERISTICS & SYMBOLS

- ▭ FLATNESS
- STRAIGHTNESS
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- // PARALLELISM
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- ≡ SYMMETRY

UNLESS OTHERWISE SPECIFIED
DIM. TOLERANCES ARE AS FOLLOWS:

INCH	X	XX	XXX	XXXX
mm	±.1	±.02	±.005	±.0005
	±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:	WENGLING	30-09-2004
APPD:	JSS	30-09-2004
THIRD ANGLE PROJECTION		EDS DATE EDS DATE FORMAT REV F
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	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION
DESCRIPTION CONNECTION-DIAG EXTRNL	
SIZE C	DWG NO 630415-001
SCALE NONE	SHEET 1

4

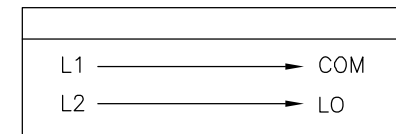
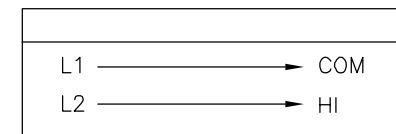
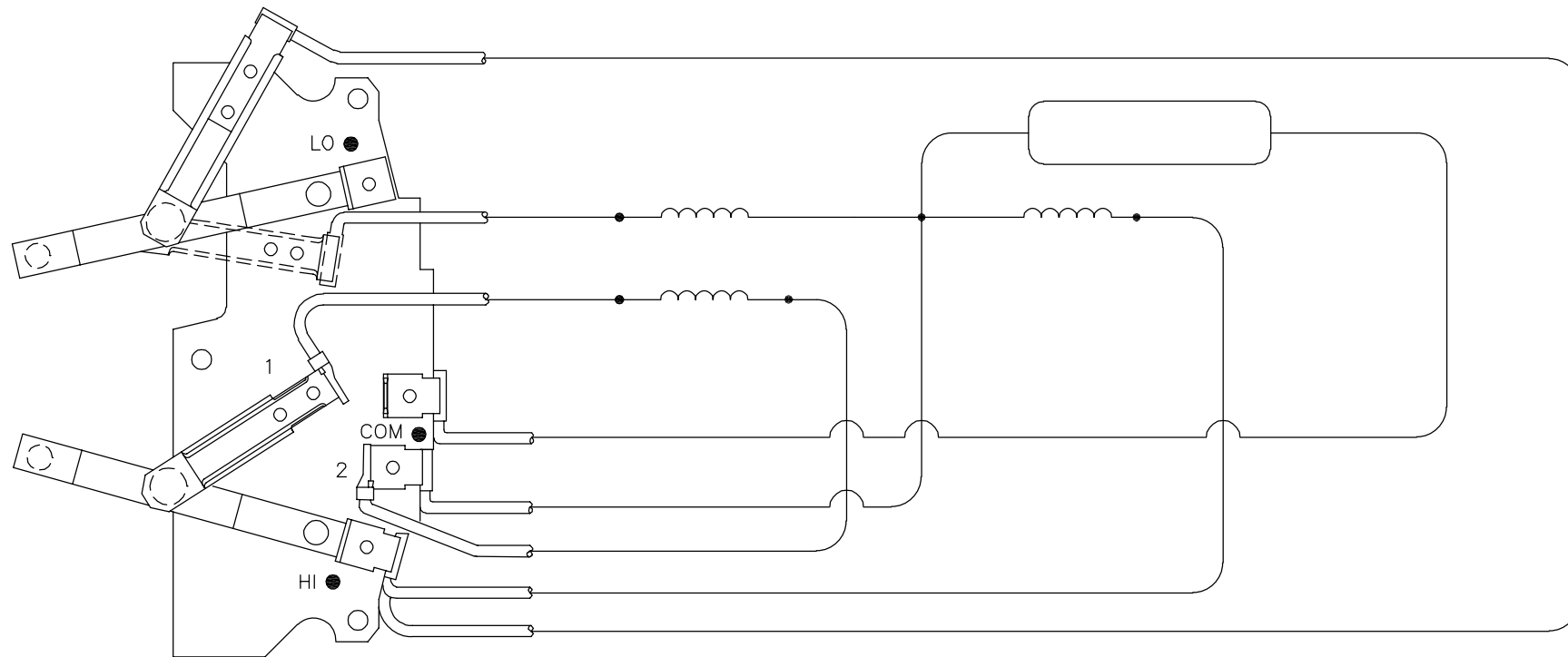
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1

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



CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS
 ▧ PLANICIDAD
 - RECTITUD
 < ANGULARIDAD
 ⊥ PERPENDICULARIDAD (A ESCUADRA)
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 ○ 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:
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 MAQUINAR SUPERFICIES
 PULG 125 mm 3.2
 DIMS METRICAS MOSTRADAS [PARENTESIS]

DIBUJADO POR: WENDLING 30-09-2004
 APROBADO POR: JSS 30-09-2004
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ACSmith **ELECTRICAL PRODUCTS COMPANY**
 Innovation has a name. A DIVISION OF A. O. SMITH CORPORATION

DESCRIPCION: CONNECTION-DIAG EXTRNL

TAMAÑO: C NUMERO DE DIBUJO: 630415-001

ESCALA: NONE HOJA: 1

4

3

2

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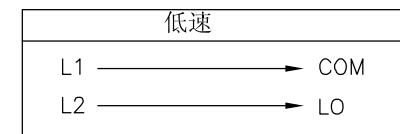
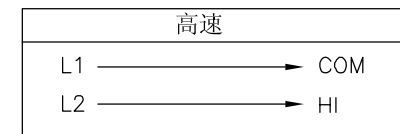
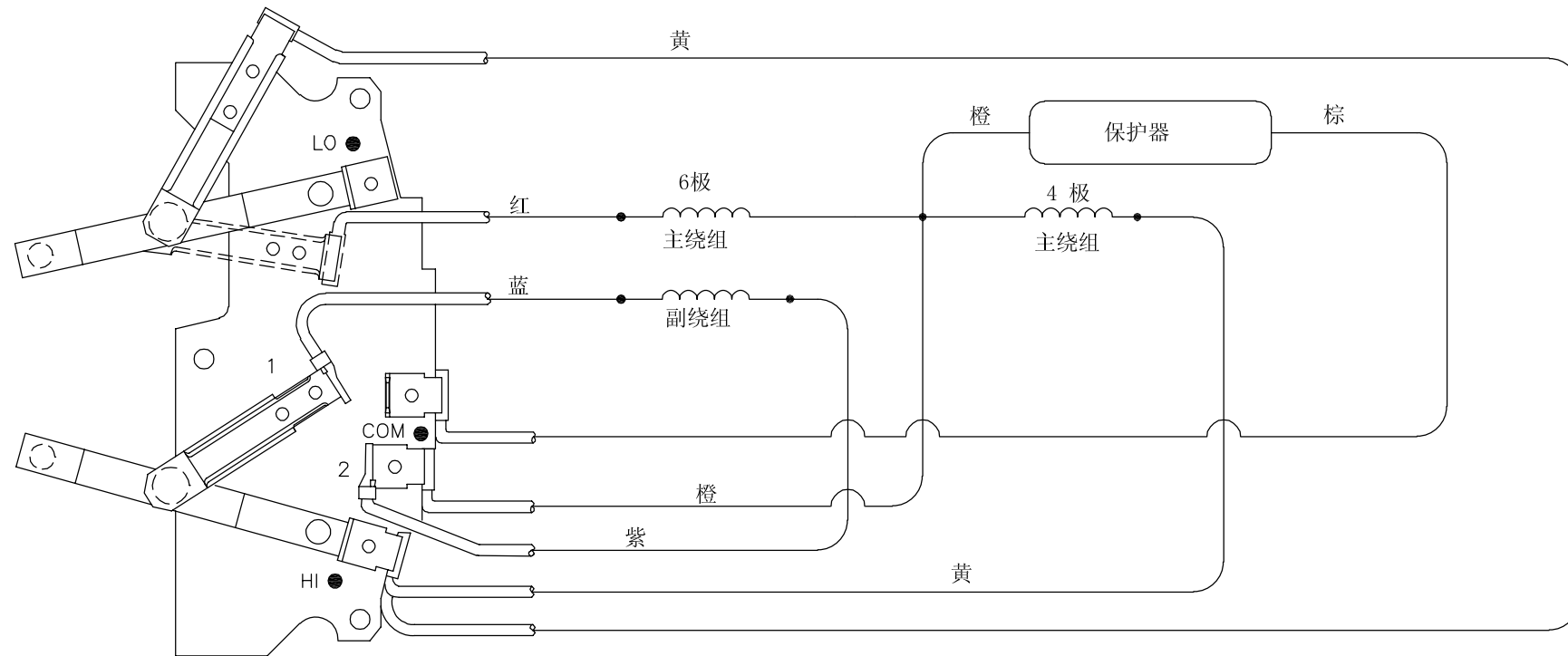
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2

1

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)

- 形位公差
- 平面度
- 直线度
- ∠ 倾斜度
- ⊥ 垂直度
- ∥ 平行度
- 圆度
- ⊘ 圆柱度
- ∩ 内圆角
- △ 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:	WENLING	30-09-2004
批准:	JSS	30-09-2004
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名称 CONNECTION-DIAG EXTRNL			
图幅 C	图号 630415-001		
比例 NONE			页号 1

4

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2

1