

PRODUCT INFORMATION PACKET



Model No: C853ES
Catalog No: C853ES
1 HP General Purpose Motor, 1 phase, 1800 RPM, 115/230 V, 56 Frame, ODP
General Purpose Motors



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Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	115/230 V
Current	8.4/4.2 A	Speed	1725 rpm
Service Factor	1.25	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56	Enclosure	Open Drip Proof
Thermal Protection	None	Ambient Temperature	40 °C
UL	Recognized	CSA	N
CE	Y	Number of Speeds	1

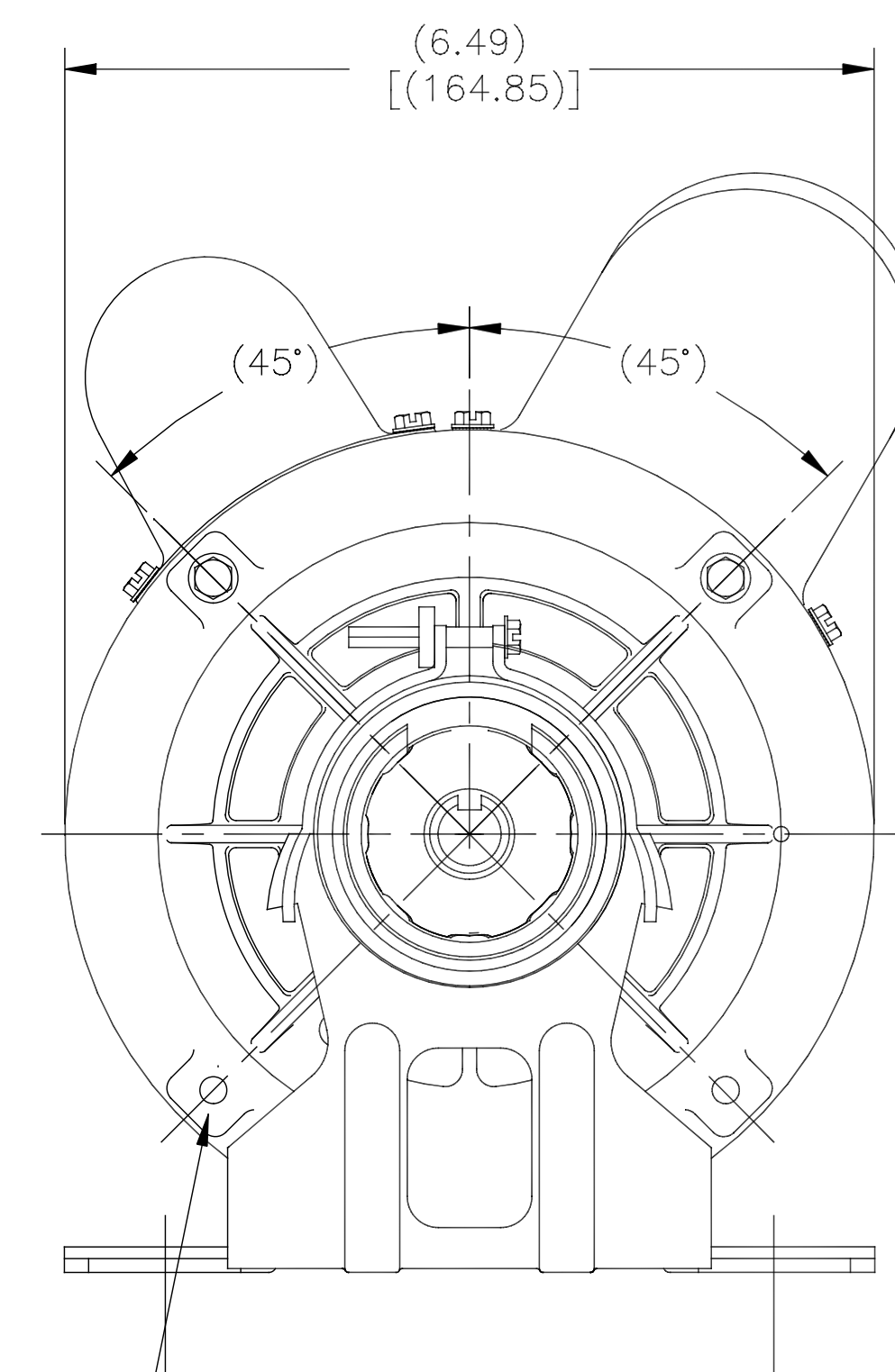
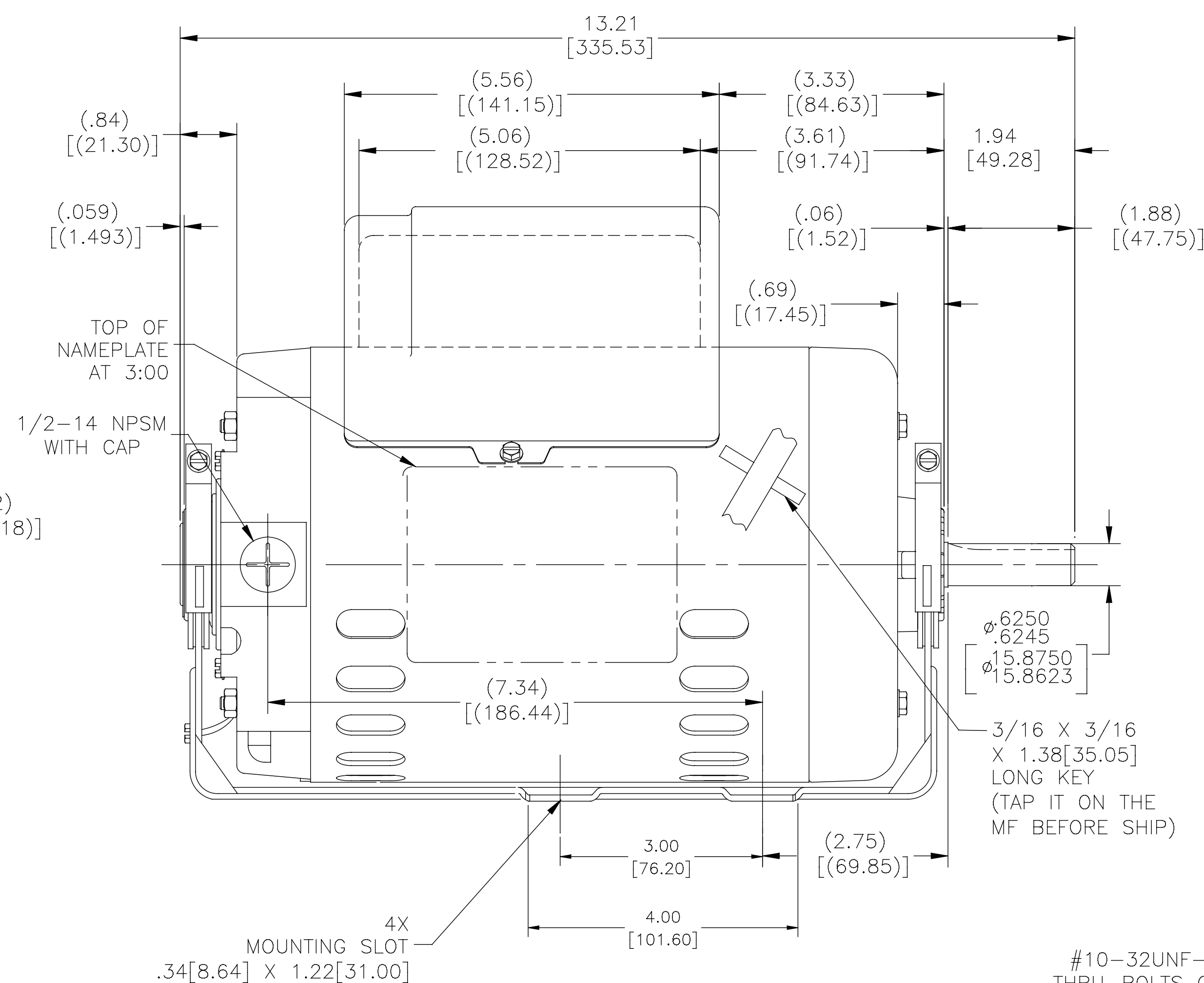
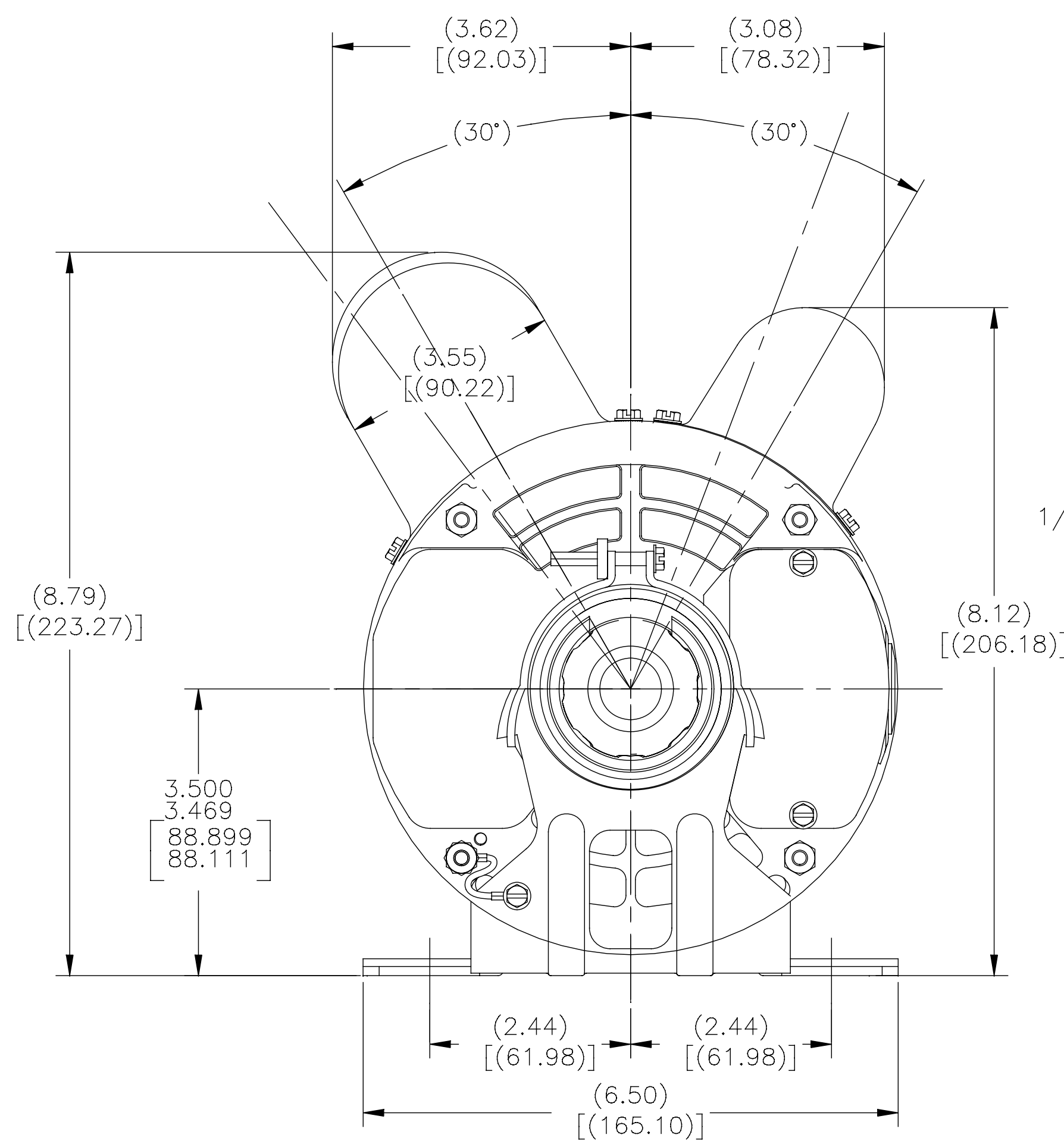
Technical Specifications

Electrical Type	Capacitor Start, Capacitor Run, Single Or Dual Voltage	Starting Method	Across The Line
Poles	4	Rotation	Clockwise/Counterclockwise
Mounting	Resilient Base	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	13.21 in
Frame Length	7.31 in	Shaft Diameter	0.625 in
Shaft Extension	1.94 in		
Outline Drawing	C853ES-S01	Connection Drawing	D0000435-001

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ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS. ALL OTHER DIMENSIONS ARE TOLERANCED PER THE FOLLOWING CHART UNLESS OTHERWISE SPECIFIED.

"OVERALL" DIMENSION = ±.055[1.397]
 SHAFT EXTENSION = ±.034[.864]
 LEAD LENGTHS = ±1.00[25.40]
 EXTENDED THRU-BOLTS = ±.050[1.270]
 ANGULAR DIMENSIONS = ±2°



TOP OF NAMEPLATE AT 3:00

1/2-14 NPSM WITH CAP

4X MOUNTING SLOT .34[8.64] X 1.22[31.00]

3/16 X 3/16 X 1.38[35.05] LONG KEY (TAP IT ON THE MF BEFORE SHIP)

#10-32UNF-2A THRU-BOLTS ON A (Ø5.812)[Ø147.625] BOLT CIRCLE

DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY	Regal Beloit America, Inc.
B	XIAN	06-25-2015	DEC. INCH mm ANGLE	H.ZHANG	
ECO	APPROVED BY	DATE	X ±0.1 [±2.5] ±0.5°	DATE	11-05-2014
ECO-0079651	H.ZHANG	06-25-2015	.XX ±0.02 [±0.51]	APPROVED BY	H.ZHANG
ECO DESCRIPTION			.XXX ±0.005 [±0.127]	DATE	11-05-2014
SPE ECO			.XXXX ±0.0005 [±0.0127]	REFERENCE	
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BY RECEIVING IT TO AGREE THAT IT AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, AND/OR USED, REPRODUCED, COPIED, OR TRANSMITTED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF REGAL BELOIT AMERICA, INC.			CORNER FILLETS .02 [511]	DESCRIPTION	MOTOR-CFHP-56FR
AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER, THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO EXPORT RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			MACHINED SURFACES .125 [3.175] INCH/mm ±.002 [51]	SIZE (DWG NO)	C853ES
			mm SHOWN IN [BRACKETS]	THIRD ANGLE PROJECTION	SHEET
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REV	ECO	REV BY	DATE	APPD	DATE
A	ECO-0028953	A.BAUGHMAN	11-09-2012	A.BAUGHMAN	11-09-2012

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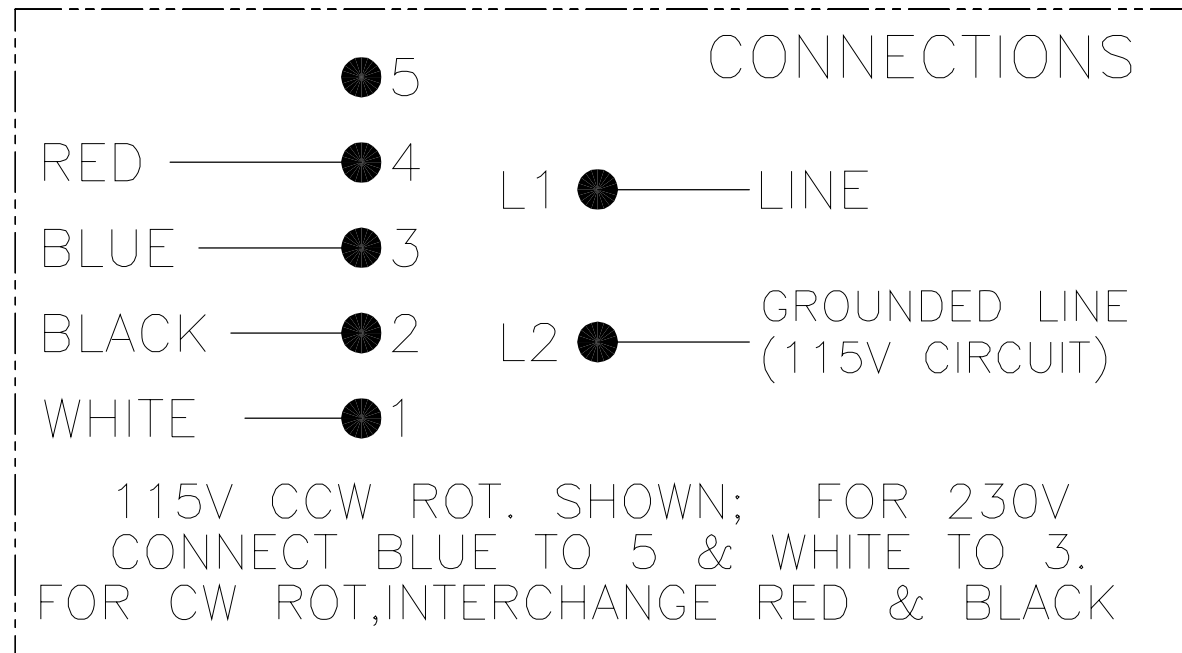
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GEOMETRIC CHARACTERISTICS & SYMBOLS □ FLATNESS — STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ∅ CYLINDRICITY △ PROFILE OF ANY SURFACE ∩ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ⊙ CONCENTRICITY = SYMMETRY ASME Y14.5M 1994	UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX ±.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: A.BAUGHMAN	11-09-2012	REGAL-BELOIT CORPORATION
		APPD: A.BAUGHMAN	11-09-2012	
		THIRD ANGLE PROJECTION	EDS DATE 11-11-2011 FORMAT REV H	SIZE C DWG NO D0000435-001
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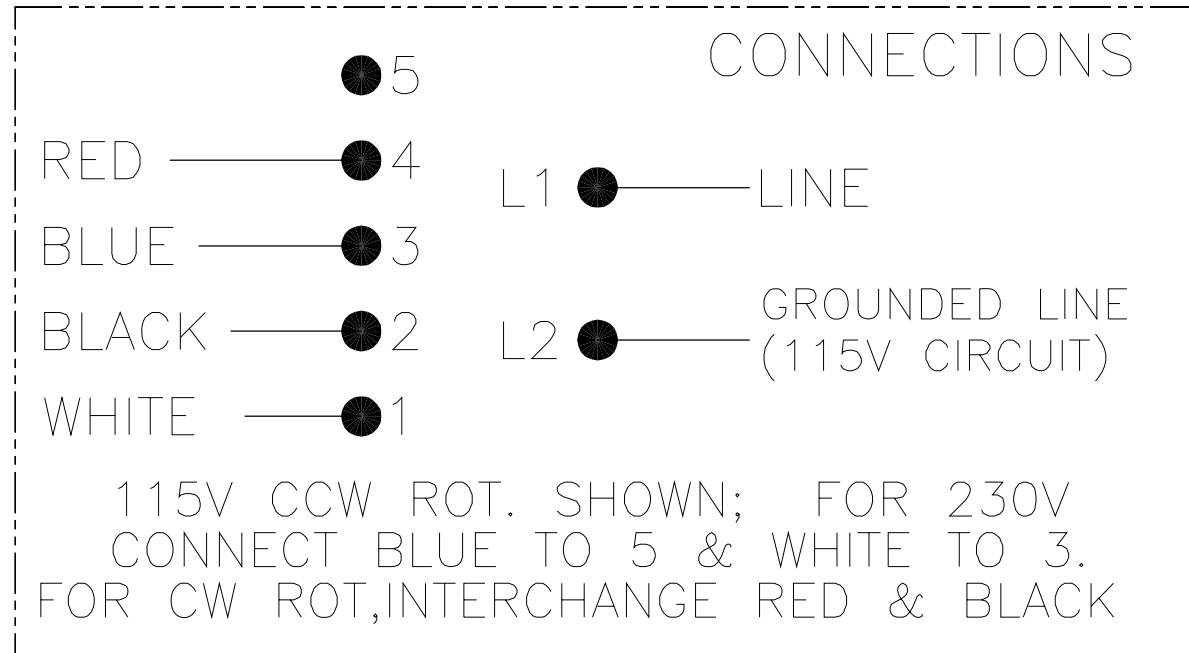
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	ECO-0028953	A.BAUGHMAN	11-09-2012	A.BAUGHMAN	11-09-2012



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:	A.BAUGHMAN	11-09-2012
APROBADO POR:	A.BAUGHMAN	11-09-2012
TERCER ANGULO DE PROYECCION		FECHA EDS: 11-11-2011
		REV. FORMATO: H
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REGAL REGAL-BELOIT CORPORATION	
DESCRIPCION: CONN DIAGRAM-NAMEPLATE	
TAMAÑO: C	NUMERO DE DIBUJO: D0000435-001
ESCALA: NONE	HOJA: 1

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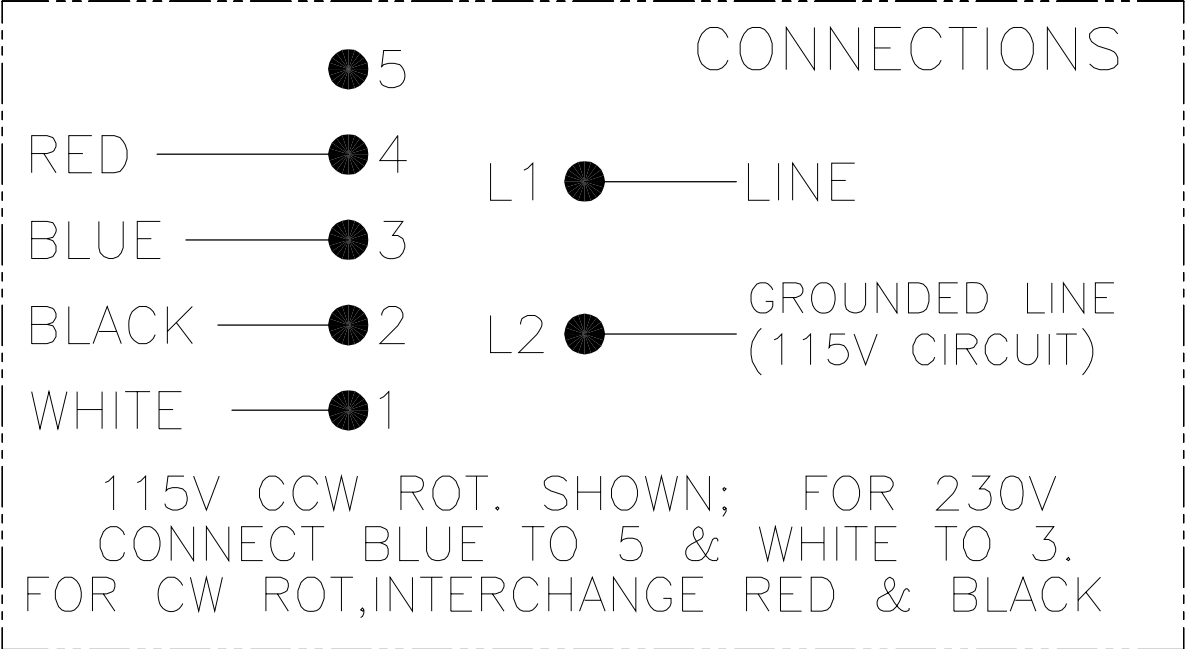
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形位公差 □ 平面度 — 直线度 < 倾斜度 ⊥ 垂直度 // 平行度 ○ 圆度 ⊙ 圆柱度 ⌒ 面轮廓度 △ 线轮廓度 ⤴ 圆跳动 ⊕ 位置度 ⊗ 同轴度 ≡ 对称度	除另有注明 尺寸公差如下: 英寸 X XX XXX XXXX 毫米 ±.1 ±.02 ±.005 ±.0005 毫米 ±0.5 ±0.13 ±0.013 角度 ±.50 度 清理毛刺和尖棱 英寸 .003-.015 毫米 0.1-0.4 内圆角 英寸 .020 毫米 0.5 表面粗糙度 英制 125 米制 3.2 米制尺寸显示在L	绘图: A.BAUGHMAN 11-09-2012 批准: A.BAUGHMAN 11-09-2012 第三角投影 图纸格式发布日期 11-11-2011 图纸格式版本 H	REGAL REGAL-BELOIT CORPORATION 名称 CONN DIAGRAM-NAMEPLATE
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