

PRODUCT INFORMATION PACKET



Model No: V108
Catalog No: V108

General Purpose Motor, 2.0 HP, 1 Ph, 60 Hz, 208-230/115 V, 1800 RPM, R145TC Frame, DP



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Nameplate Specifications

Output HP	2.0 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	208-230/115 V
Current	10.0-10.2/20.4 A	Speed	1745 rpm
Service Factor	1.15	Phase	1
Duty	Continuous	Insulation Class	B
Frame	R145TC	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
UL	Recognized	CSA	Y
CE	N	Number of Speeds	1

Technical Specifications

Electrical Type	Capacitor Start, Capacitor Run, Single Or Dual Voltage	Starting Method	Across The Line
Poles	4	Rotation	Reversible Counterclockwise
Mounting	Round	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Keyed	Overall Length	13.97 in
Frame Length	8.75 in	Shaft Diameter	0.875 in
Shaft Extension	2.13 in		
Outline Drawing	V108-S01	Connection Drawing	17050308.PCX

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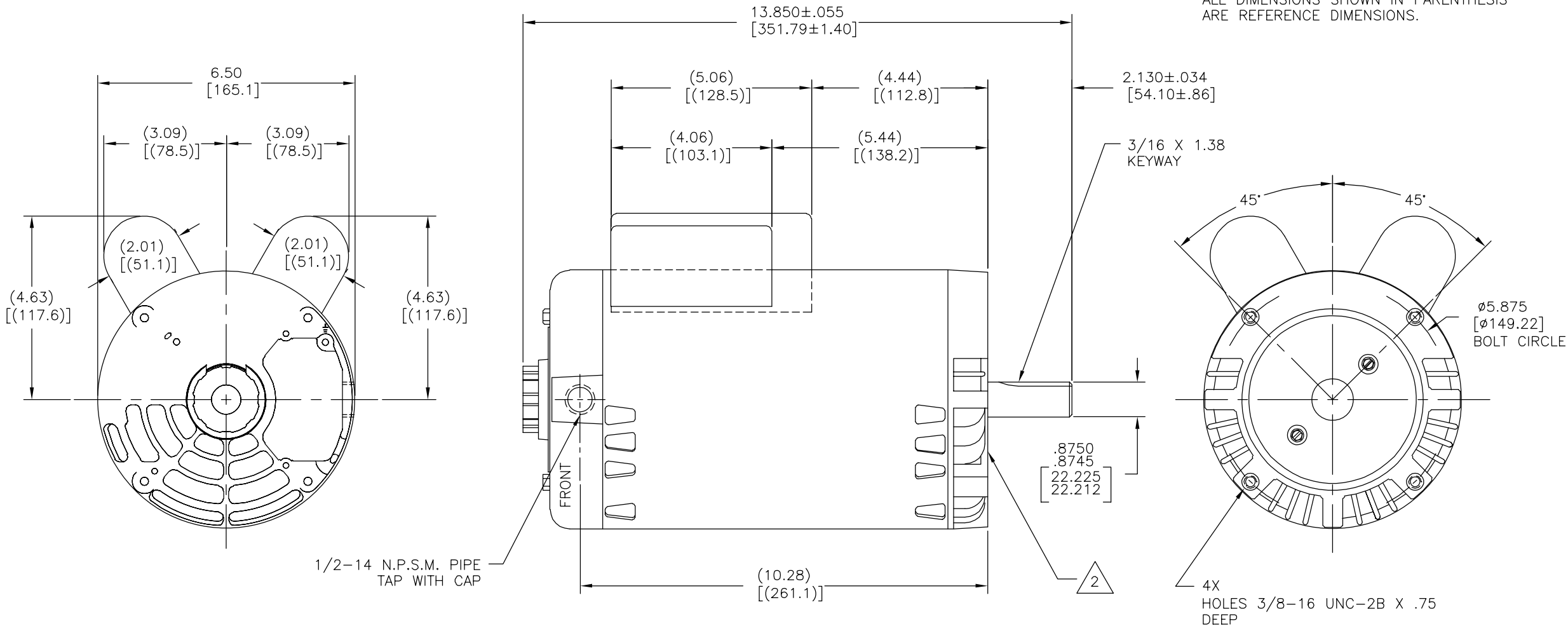
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REV	ECO	REV BY	DATE	APPD	DATE
B	0025387	B.ZHAO	04-18-2012	B.SHEN	04-18-2012

ALL DIMENSIONS SHOWN IN PARENTHESIS
ARE REFERENCE DIMENSIONS.



NOTES:

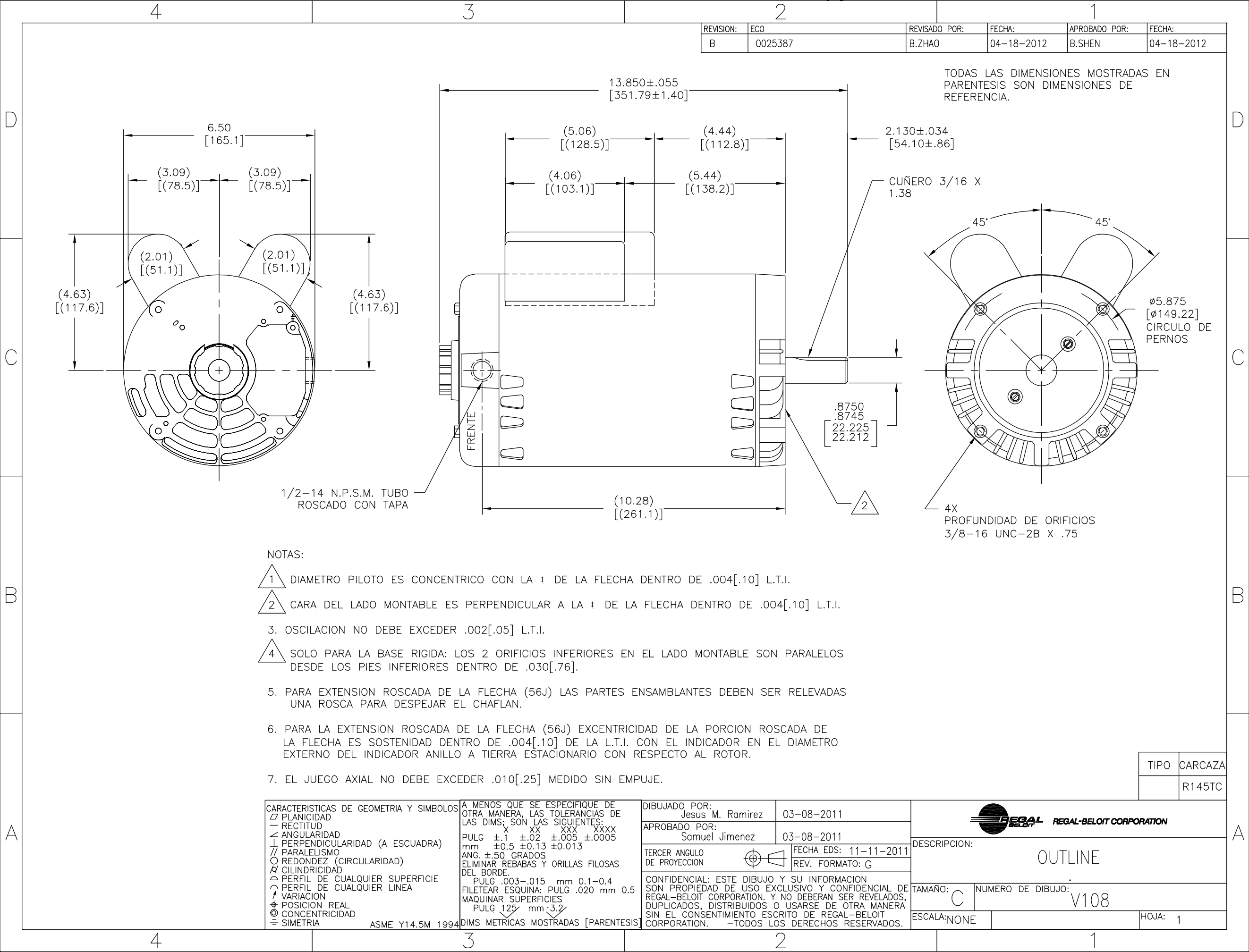
1. PILOT DIAMETER IS CONCENTRIC WITH SHAFT $\pm$ WITHIN .004[.10] T.I.R.
2. FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT $\pm$ WITHIN .004[.10] T.I.R.
3. SHAFT RUNOUT NOT TO EXCEED .002[.05] T.I.R.
4. FOR RIGID BASE ONLY: THE 2 BOTTOM HOLES IN THE MOUNTING FLANGE ARE PARALLEL FROM THE BOTTOM OF THE FEET WITHIN .030[.76].
5. FOR THREADED SHAFT EXTENSION (56J) MATING PARTS SHOULD BE RELIEVED ONE THREAD TO CLEAR FILLET.
6. FOR THREADED SHAFT EXTENSION (56J) ECCENTRICITY OF THREADED PORTION OF SHAFT IS HELD WITHIN .004[.10] TOTAL GAGE READING WITH THE INDICATOR ON OUTER DIAMETER OF GROUND RING GAGE AS SHOWN. THE GAGE BEING STATIONARY WITH RESPECT TO THE ROTOR.
7. END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST.

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	$\pm .1$ $\pm .02$ $\pm .005$ $\pm .0005$
mm	± 0.5 ± 0.13 ± 0.013
ANG.	$\pm .50$ 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	$\sqrt{125}$
mm	$\sqrt{3.2}$
METRIC DIMS. SHOWN IN [BRACKETS]	

DR BY:	Jesus M. Ramirez	03-08-2011
APPD:	Samuel Jimenez	03-08-2011
THIRD ANGLE PROJECTION	EDS DATE	11-11-2011
	FORMAT REV	G
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REGAL-BELOIT CORPORATION	
DESCRIPTION	
OUTLINE	
SIZE	DWG NO
C	V108
SCALE	SHEET
NONE	1



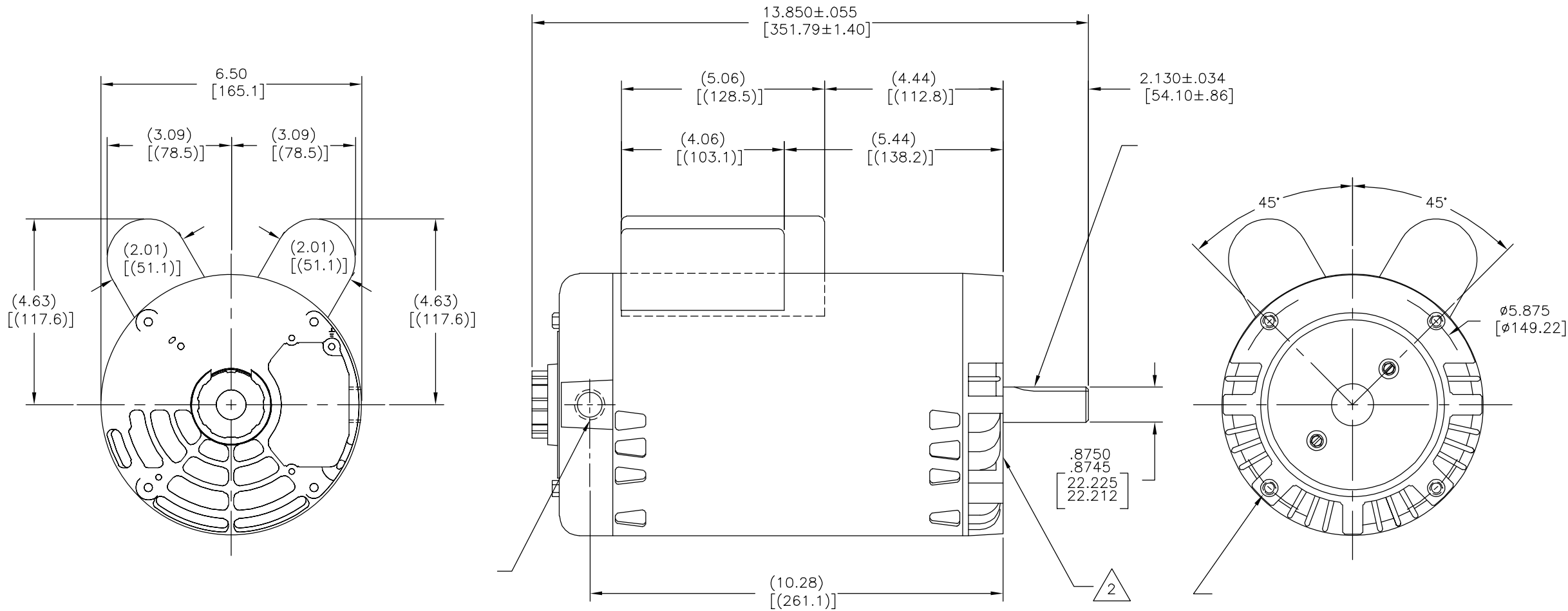
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版本	ECO	编制	日期	批准	日期
B	0025387	B.ZHAO	04-18-2012	B.SHEN	04-18-2012



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:

	X	XX	XXX	XXXX
英寸	±.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:

Jesus M. Ramirez 03-08-2011

批准:

Samuel Jimenez 03-08-2011

第三角投影



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图纸格式版本 G

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REGAL-BELOIT CORPORATION

名称

OUTLINE

图幅

C

图号

V108

比例

NONE

页号

1

R145TC

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