

# PRODUCT INFORMATION PACKET

Model No: TCF82015E  
Catalog No: TCF82015E  
75,3450,TEFC,365TSC,3/60/230/460

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### Nameplate Specifications

Output HP	75 Hp	Output KW	56.0 kW
Frequency	60 Hz	Voltage	230 / 460 V
Current	168.0 / 84 A	Speed	3565 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Duty	Continuous
Insulation Class	F	Frame	365TSC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Ambient Temperature	40 °C	Number of Speeds	1

### Technical Specifications

Poles	2	Rotation	Reversible
Mounting	Round	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Keyed	Shaft Diameter	1.875 in
Shaft Extension	3.5 in		
Outline Drawing	TCF82015E-S01		

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REV	ECO	REV BY	DATE	APPD	DATE
B	ECO-0025417	T.HUANG	04-18-2012	B.C.SHEN	04-18-2012

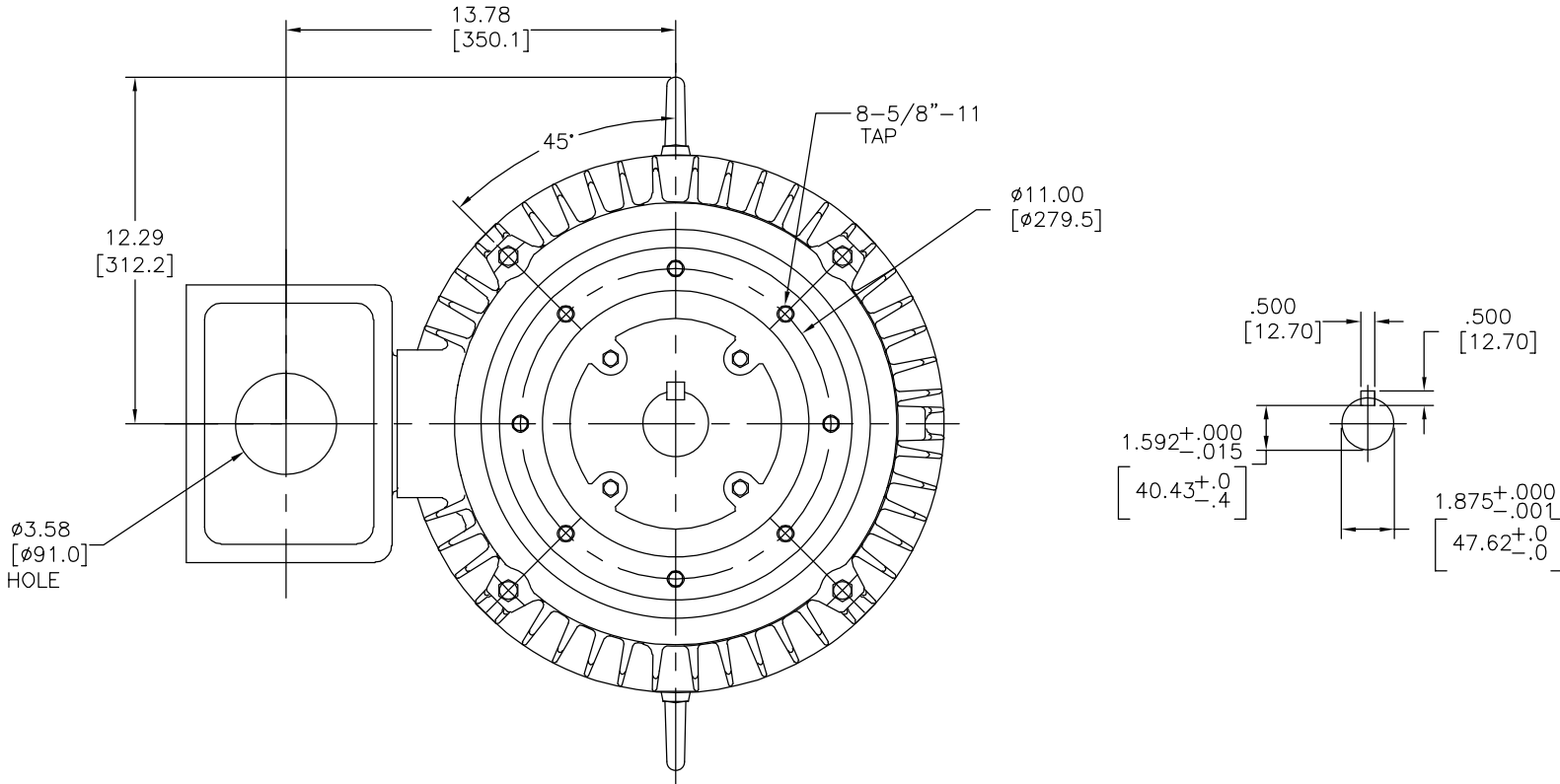
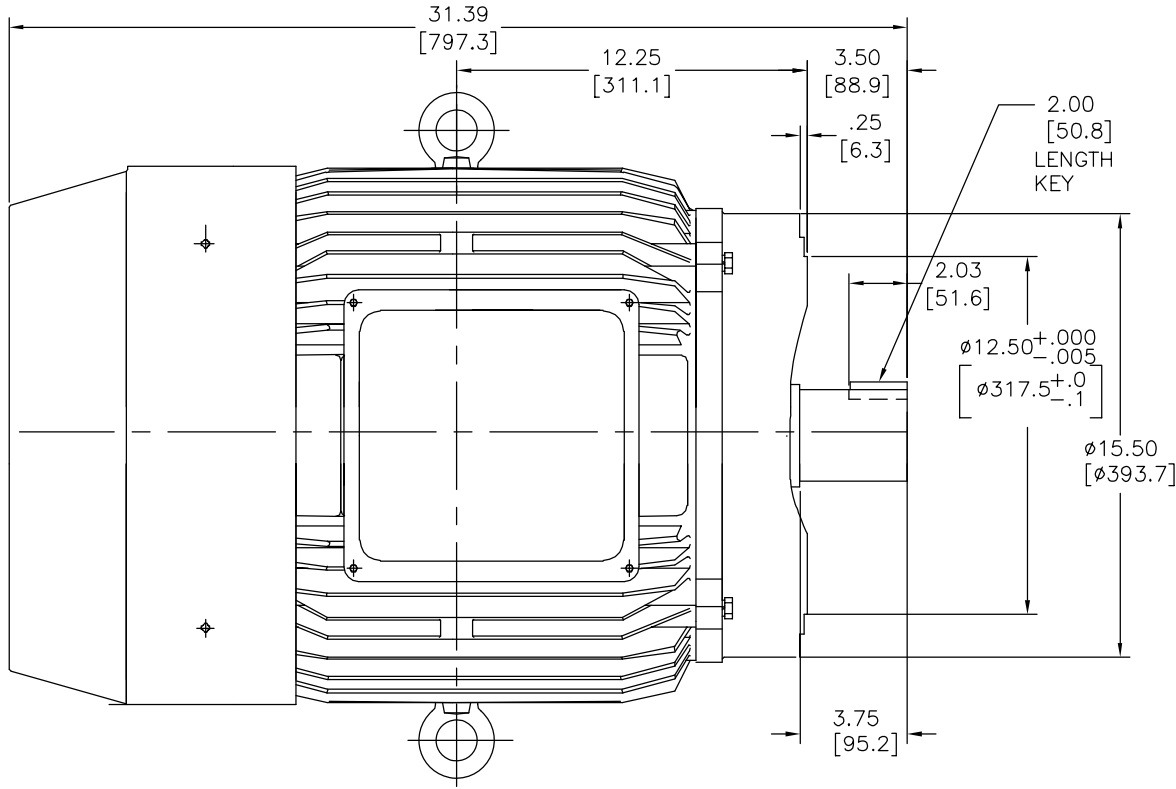
ALTERNATING CURRENT MOTORS

SQUIRREL-CAGE INDUCTION



COOLING: FAN COOLED

ENCLOSURE: TOTALLY ENCLOSED  
MOUNTING: FOOTLESS

CAST IRON FRAME  
FRAME 364TSC



- NOTES:
- 1.- DIMENSIONS ARE IN INCHES.
  - 2.- APROXIMATE WEIGHT= 75HP,2P, -930LBS.
  - 3.- DRIVE END BEARING 6312C3  
OPPOSITE DRIVE END BEARING 6312C3
  - 4.- INTERNAL VOLUME OF CODUIT BOX=550 CU, IN.

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 $\pm 0.5$ $\pm 0.13$ $\pm 0.013$ 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 $\frac{1}{125}$ mm $\frac{3}{2}$	DR BY:	D. BALDERRAMA	08-31-2010	 REGAL-BELOIT CORPORATION		
		APPD:	D. MUÑOZ	08-31-2010		DESCRIPTION  OUTLINE	
		THIRD ANGLE PROJECTION 	EDS DATE	11-11-2011			
			FORMAT	G			
			CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF REGAL-BELOIT CORPORATION AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF REGAL-BELOIT CORPORATION. -ALL RIGHTS RESERVED.				SIZE
SCALE		NONE		SHEET		1	

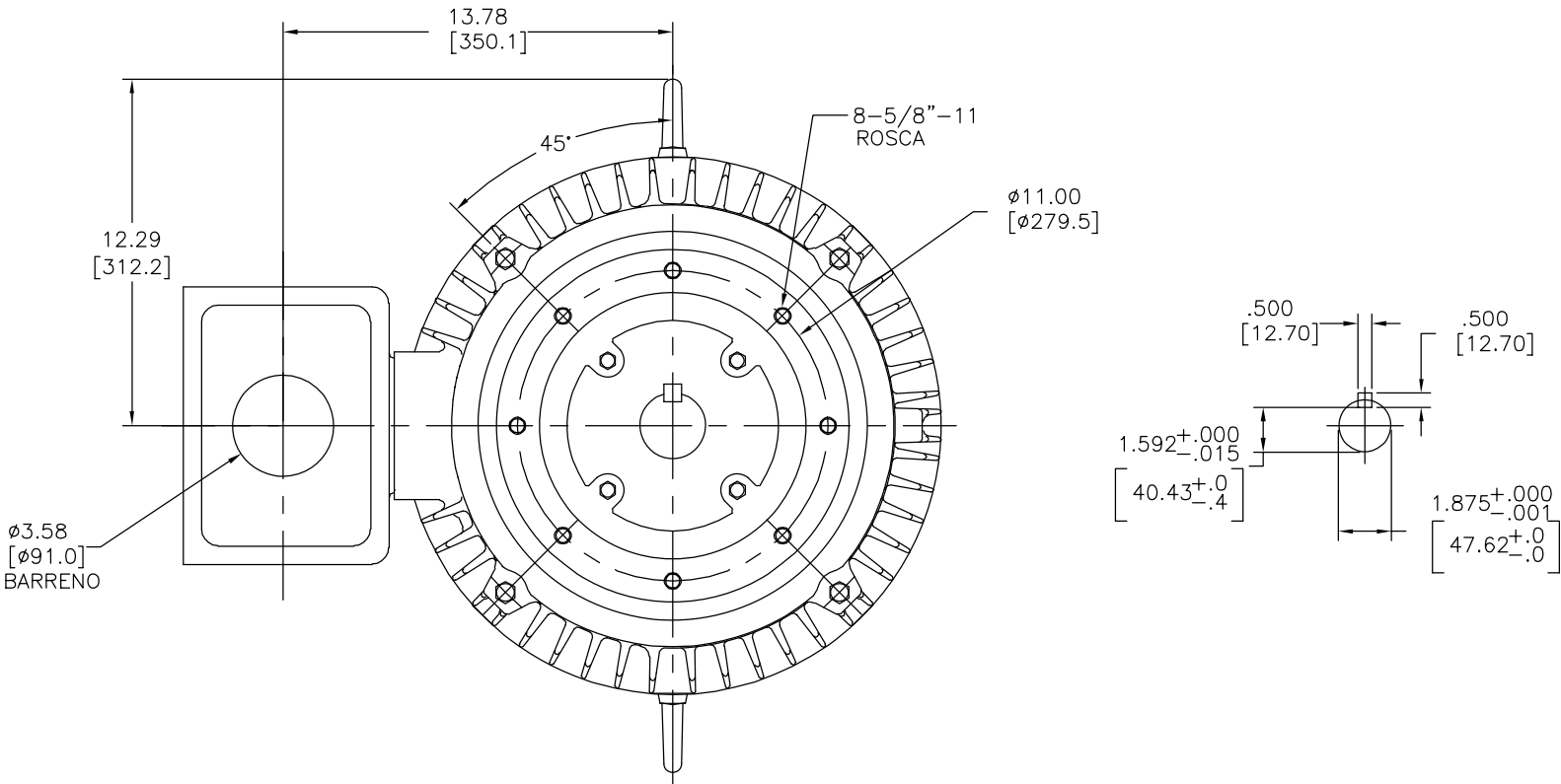
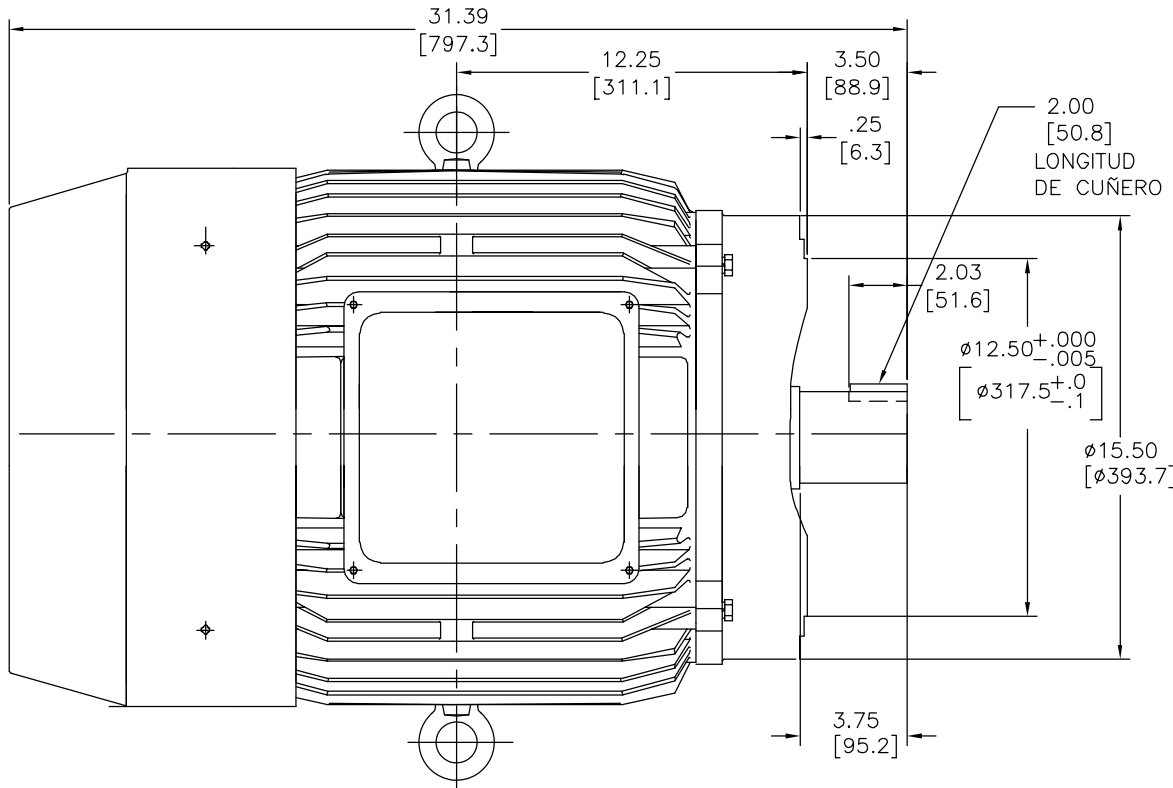
REVISION:	ECO	REVISADO POR:	T.HUANG	FECHA:	04-18-2012	APROBADO POR:	B.C.SHEN	FECHA:	04-18-2012
B	ECO-0025417								

MOTORES DE CORRIENTE ALTERNA  
INDUCCION DE JAULA DE ARDILLA

ENFRIAMIENTO: ABANICO DE ENFRIAMIENTO

ENSERRADO: TOTALMENTE ENSERRADO  
MONTAJE: SIN PATAS

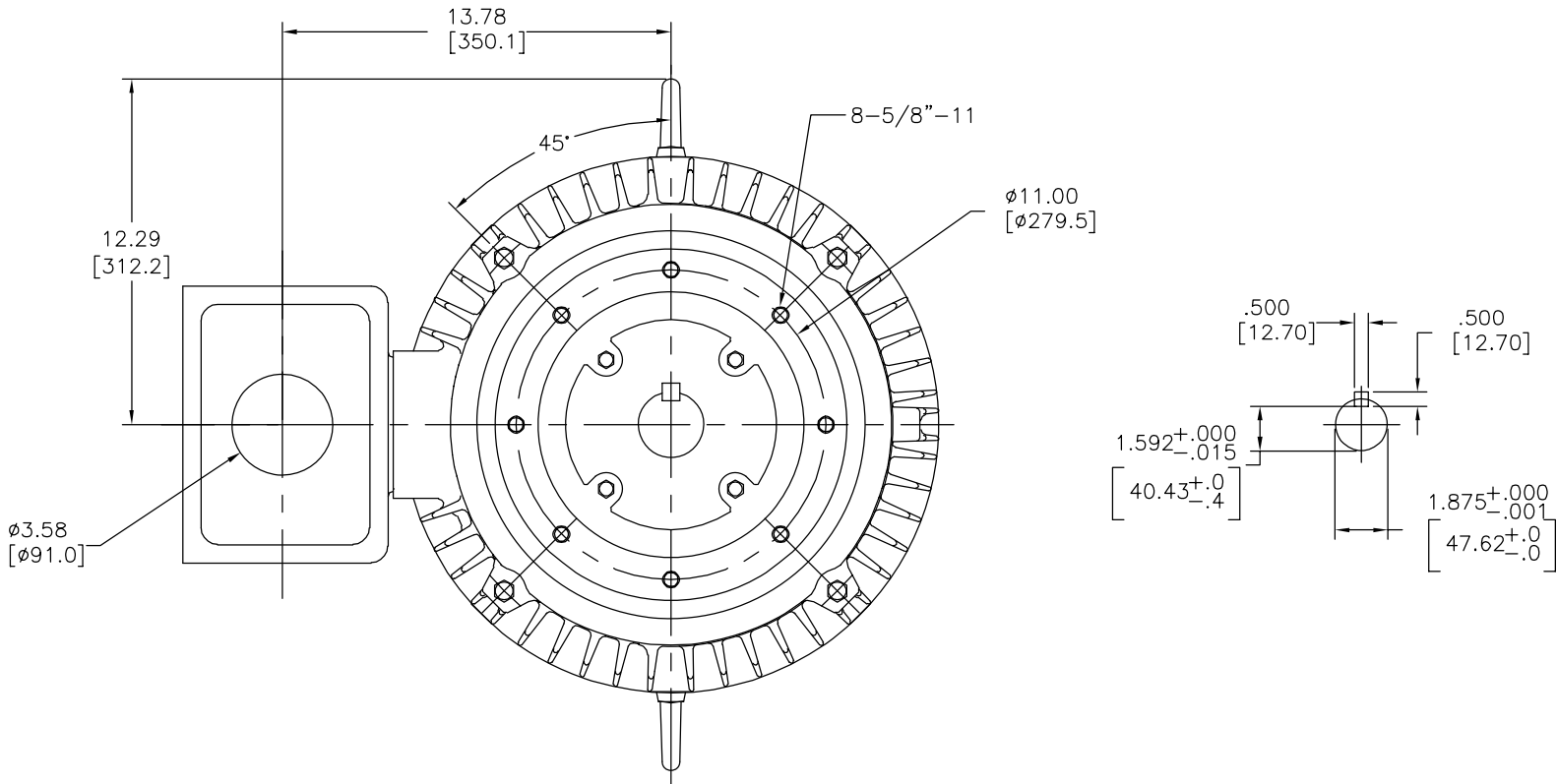
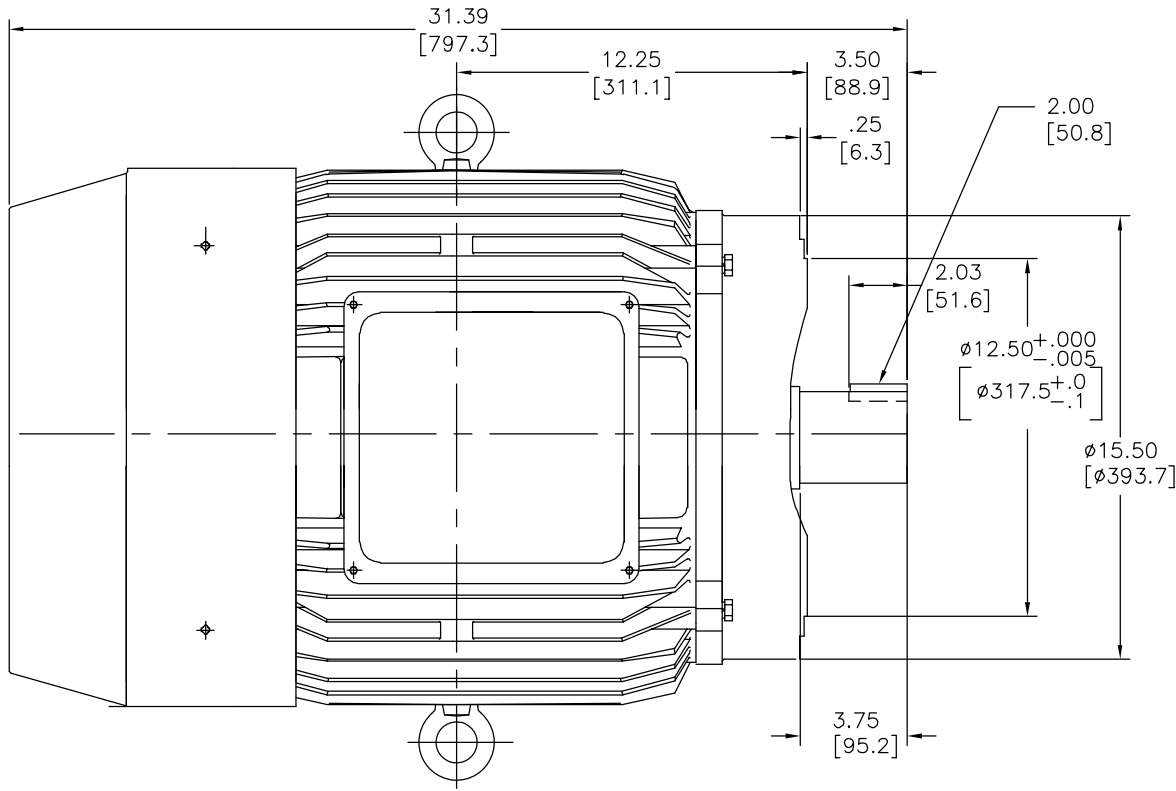
TAPA DE CARCAZA DE ACERO  
CARCAZA 364TSC



- NOTAS:  
1.- LAS DIMENSIONES SON EN PULGADAS.  
2.- PESO APROXIMADO= 75HP,2P, -930LBS.  
3.- BALERO DEL LADO MOTRIZ 6312C3  
BALERO DEL LADO OPUESTO MOTRIZ 6312C3  
4.- VOLUMEN INTERNO DE LA CAJA CONDUCTORA=550 CU, IN.

CARACTERISTICAS DE GEOMETRIA Y SIMBOLOS		A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS, SON LAS SIGUIENTES:		DIBUJADO POR: D. BALDERRAMA		08-31-2010		DESCRIPCION: OUTLINE	
— RECTITUD		X XX XXX XXXX		APROBADO POR: D. MUÑOZ		08-31-2010		TAMAÑO: D	
/ ANGULARIDAD		PULG ±.1 ±.02 ±.005 ±.0005		TERCER ANGULO DE PROYECCION		FECHA EDS: 11-11-2011		NUMERO DE DIBUJO: TCF82015E	
⊥ PERPENDICULARIDAD (A ESCUADRA)		mm ±0.5 ±0.13 ±0.013				REV. FORMATO: G		ESCALA: NONE	
// PARALELISMO		ANG. ±50 GRADOS		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE REGAL-BELOIT CORPORATION. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE REGAL-BELOIT CORPORATION. -TODOS LOS DERECHOS RESERVADOS.				HOJA: 1	
O REDONDEZ (CIRCULARIDAD)		ELIMINAR REBABAS Y ORILLAS FILOSAS DEL BORDE.							
H CILINDRICIDAD		PULG .003-.015 mm 0.1-0.4							
≡ PERFIL DE CUALQUIER SUPERFICIE		FILETEAR ESQUINA: PULG .020 mm 0.5							
^ PERFIL DE CUALQUIER LINEA		MAQUINAR SUPERFICIES							
↑ VARIACION		PULG .125 mm 3.2							
+ POSICION REAL		DIMS METRICAS MOSTRADAS [PARENTESIS]							
◎ CONCENTRICIDAD									
= SIMETRIA									

版本	ECO	编制	日期	批准	日期
B	ECO-0025417	T.HUANG	04-18-2012	B.C.SHEN	04-18-2012



形位公差	除另有注明 尺寸公差如下:
□ 平面度	英寸 X XX XXX XXXX
— 直线度	英寸 ±.1 ±.02 ±.005 ±.0005
∠ 倾斜度	毫米 ±0.5 ±0.13 ±0.013
⊥ 垂直度	角度 ±.50 度
∥ 平行度	清理毛刺和尖棱
○ 圆度	英寸 .003-.015 毫米 0.1-0.4
⊘ 圆柱度	内圆角
⌒ 面轮廓度	英寸 .020 毫米 0.5
⌒ 线轮廓度	表面粗糙度
↗ 圆跳动	英制 125 米制 3.2
⊙ 位置度	米制尺寸显示在[ ]
⊙ 同轴度	
≡ 对称度	

ASME Y14.5M 1994

绘图:	D. BALDERRAMA	08-31-2010
批准:	D. MUÑOZ	08-31-2010
第三角投影		图底格式发布日期 11-11-2011 图底格式版本 G
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OUTLINE

名称	OUTLINE	
图幅	D	图号 TCF82015E
比例	NONE	页号 1