

# PRODUCT INFORMATION PACKET



Model No: TCF82012E  
Catalog No: TCF82012E  
40,3450,TEFC,324TSC,3/60/230/460

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**Nameplate Specifications**

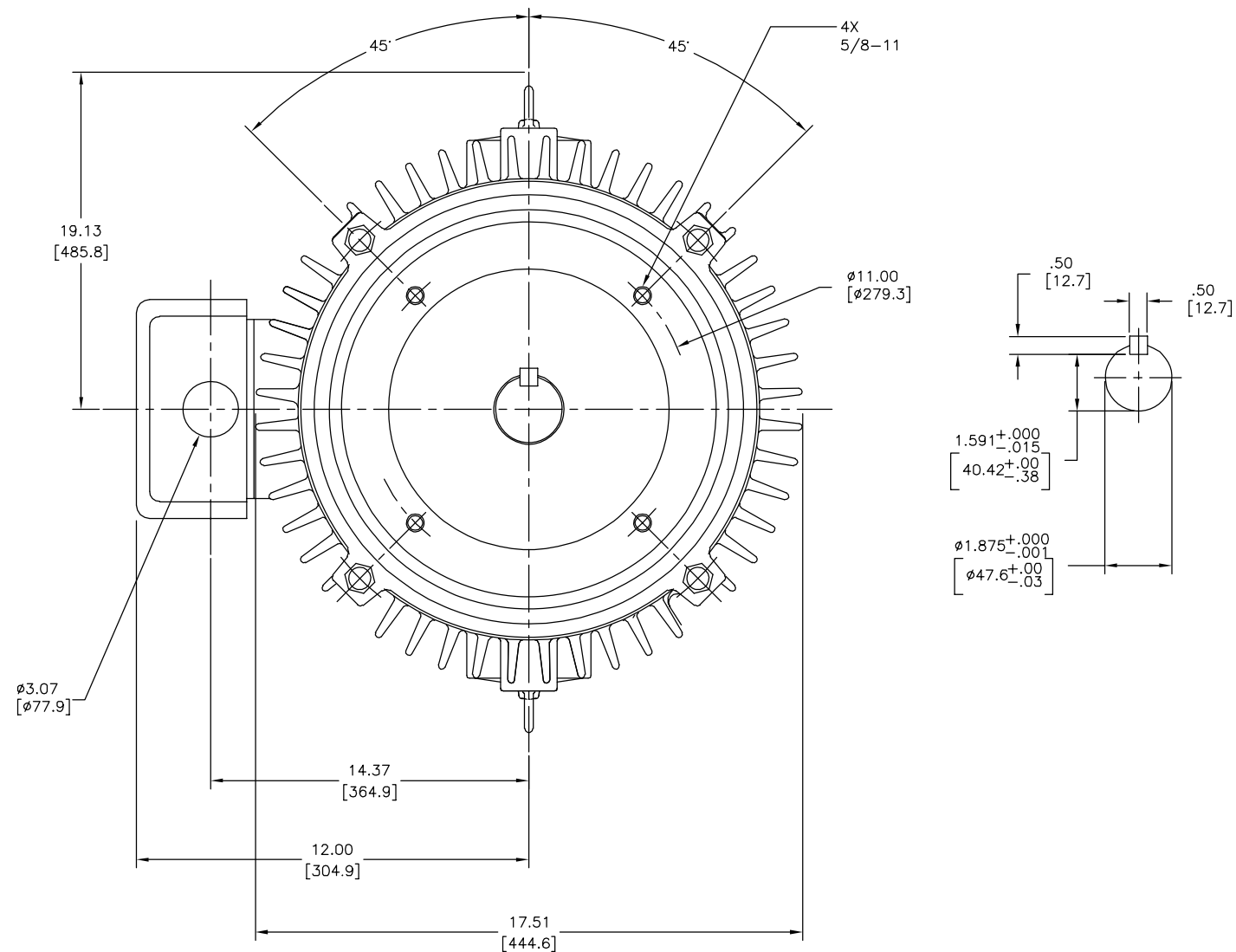
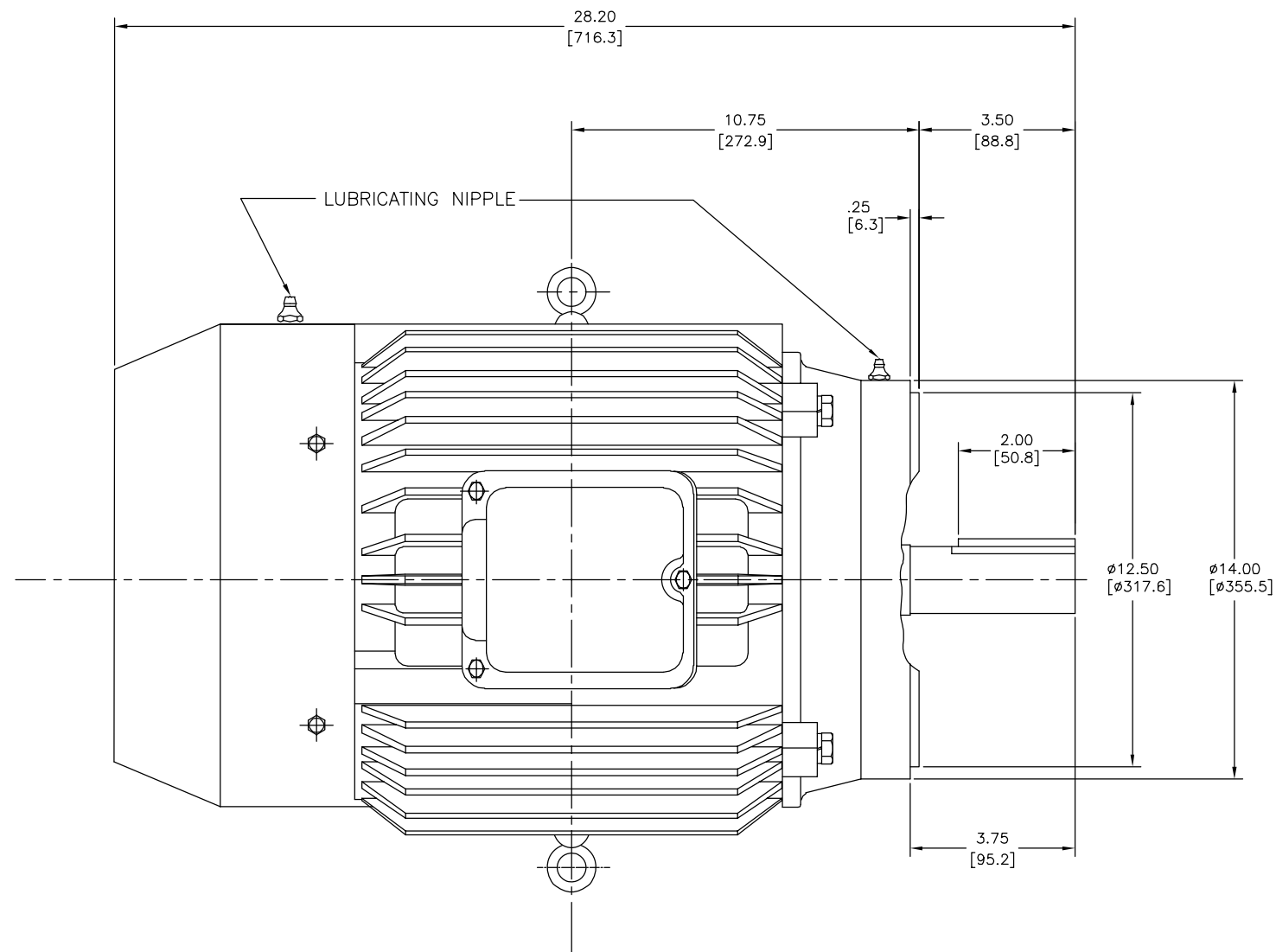
Phase	3	Output HP	40 Hp
Voltage	230 / 460 V	Speed	3530 rpm
Service Factor	1.15	Frame	324TSC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	92.4 %	Ambient Temperature	40 °C
Frequency	60 Hz	Current	93.4 / 46.7 A
Duty	Continuous	Insulation Class	F
Number of Speeds	1		

**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	TCF82012E-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



## NOTES:

1. APPROXIMATE WEIGHT = 40 HP, 2P, - 620 LBS.
2. DRIVE END BEARING 6312C3  
OPPOSITE DRIVE END BEARING 6212C3
3. INTERNAL VOLUME OF CONDUIT BOX = 244 CU. IN.
4. CAST IRON FRAME
5. ALL DIMENSION ARE NOMINAL UNLESS  
A SPECIFIC TOLERANCE IS SPECIFIED.

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:

D. BALDERRAMA

08-31-2010

APPD:

D. MUÑOZ

08-31-2010

THIRD ANGLE PROJECTION

EDS DATE

11-11-2011

FORMAT REV

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DESCRIPTION

OUTLINE

SIZE

DWG NO

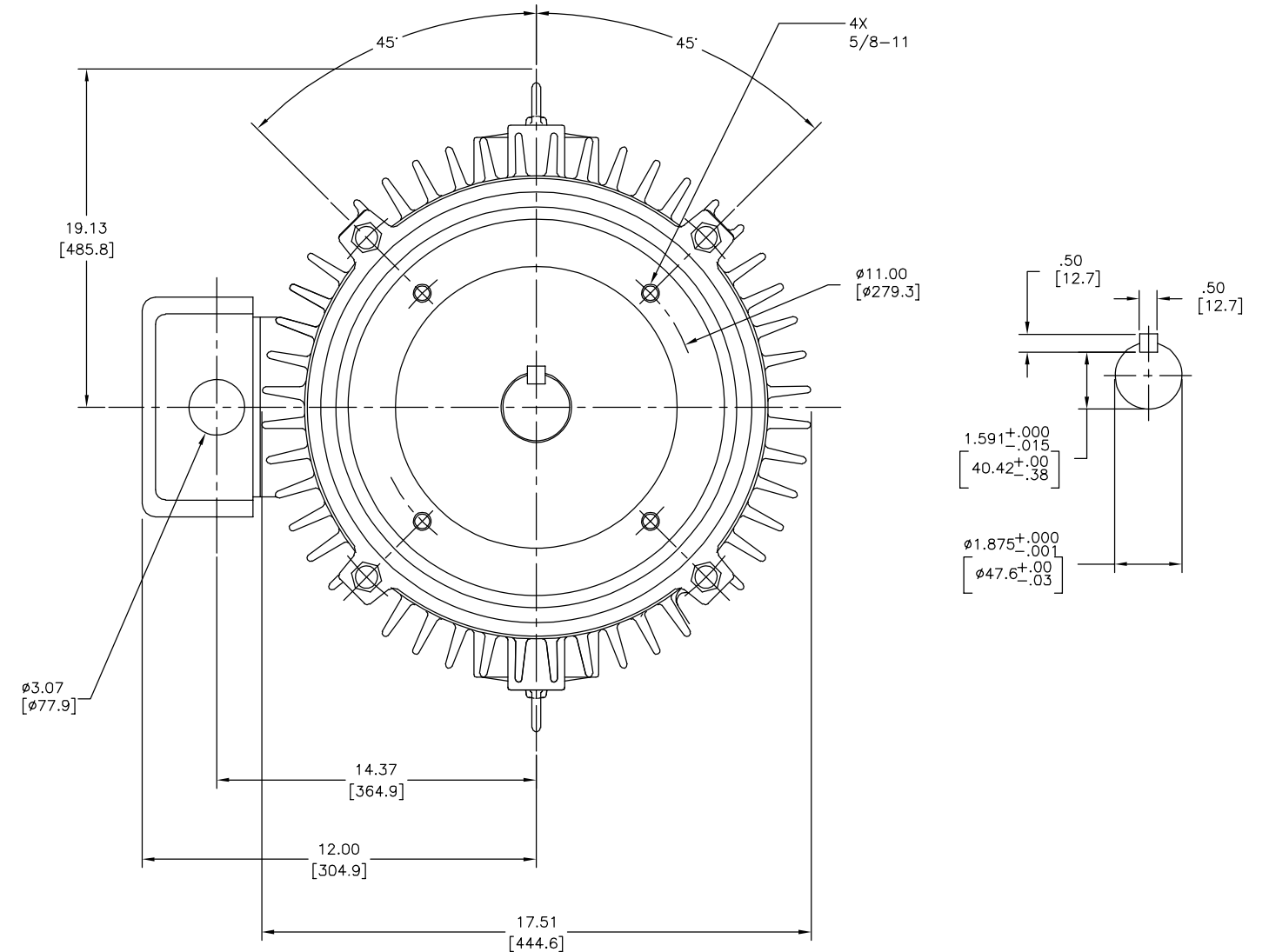
TCF82012E



SCALE

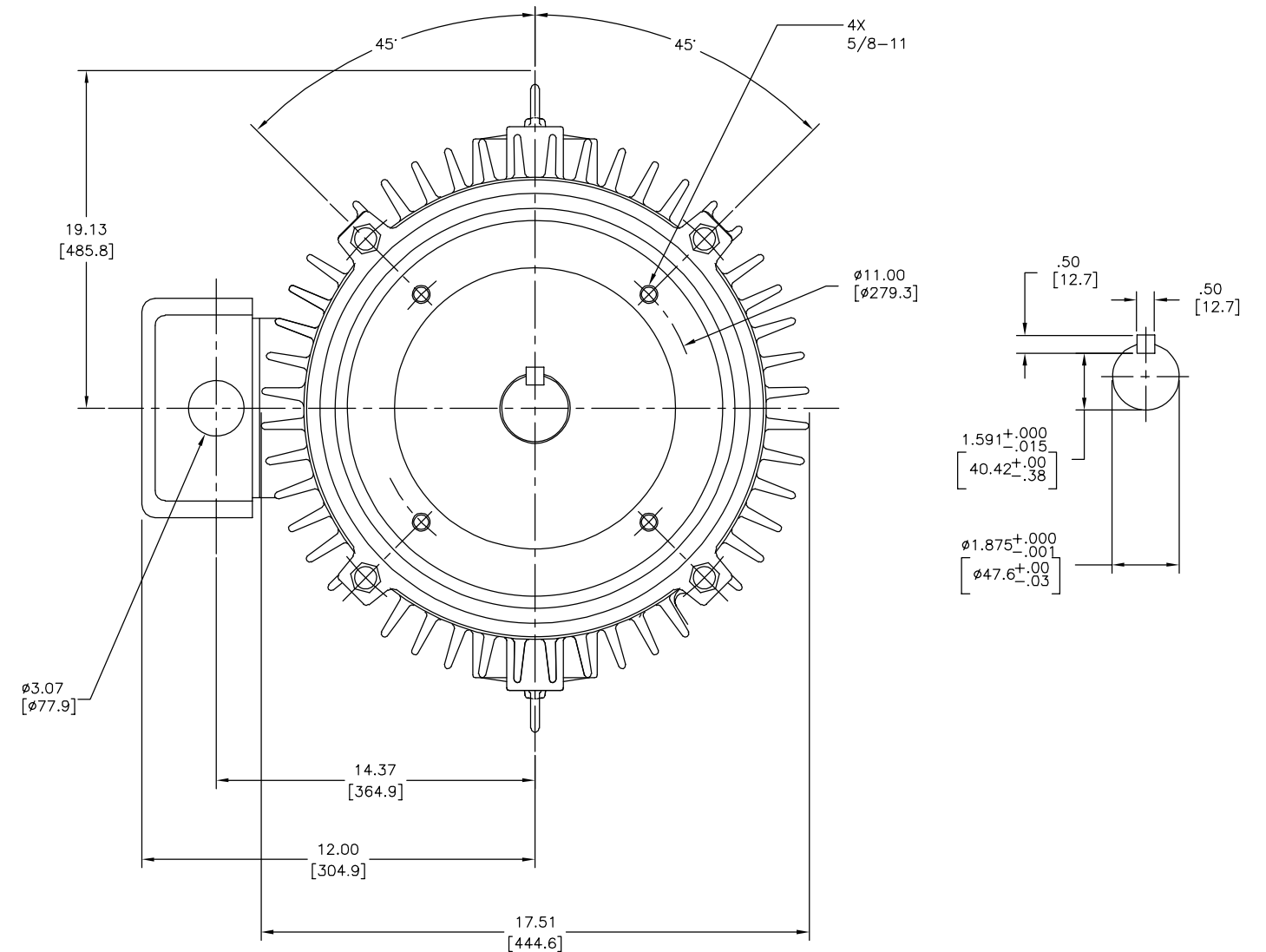
NONE



SHEET

1



CARACTERÍSTICAS DE GEOMETRIA Y SIMBOLOS ☑ PLANICIDAD - RECTITUD ☑ ANGULARIDAD 1) PERPENDICULARIDAD (A ESCUADRA) 7) PARALELISMO ☑ 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: PULG ± .02    .005    .0005 mm ±0.5 ±0.13 ±0.013 ANG. ±50 GRADOS ELIMINAR REBABAS Y ORILLAS FILASAS DEL BORDE PULG .003- .015    mm 0.1-0.4 FILETEAR ESQUINA: PULG .020 mm 0.5 MAQUINAR SUPERFICIES PULG 125    mm .3/	DIBUJADO POR: D. BALDERRAMA APROBADO POR: D. MUÑOZ	08-31-2010 08-31-2010	<div style="text-align: right;">  <b>REGAL-BELOIT CORPORATION</b> </div> <div style="text-align: center;">             DESCRIPCION: <span style="font-size: 2em;">OUTLINE</span> </div> <div style="display: flex; justify-content: space-between;"> <div>TAMAÑO: <span style="font-size: 2em;">D</span></div> <div>NUMERO DE DIBUJO: <span style="font-size: 2em;">TCF82012E</span></div> </div> <div style="display: flex; justify-content: space-between;"> <div>ESCALA: <span style="font-size: 1.5em;">NONE</span></div> <div>HOJA: <span style="font-size: 1.5em;">1</span></div> </div>
	DIMS METRICAS MOSTRADAS [PARENTESIS]	TERCER ANGULO DE PROYECCION 	FECHA EDS: 11-11-2011 REV. FORMATO: G	
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形状公差 平面度 圆度 圆柱度 垂直度 平行度 同轴度 对称度 位置度 轮廓度 圆跳动 线轮廓度 面轮廓度	除另有注明 尺寸公差如下: 英寸 $\pm .1$ XX $\pm .02$ XXX $\pm .005$ XXXX $\pm .0005$ 毫米 $\pm 0.0125$ $\pm 0.13$ $\pm 0.013$ 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: D. BALDERRAMA 批准: D. MUÑOZ 第三角投影  机密: 本图纸及相关信息所有权归REGAL-BELOIT CORPORATION 未经REGAL-BELOIT CORPORATION书面授权, 不得泄露、 复制、传播或作其他用途。一版权所有	08-31-2010	 <b>REGAL-BELOIT CORPORATION</b>	名称  OUTLINE	图号  TCF82012E	比例 NONE	页号 1
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