

PRODUCT INFORMATION PACKET



Model No: ST1072

Catalog No: ST1072

Pool Pump Motor, 3/4 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 56J Frame, ODP



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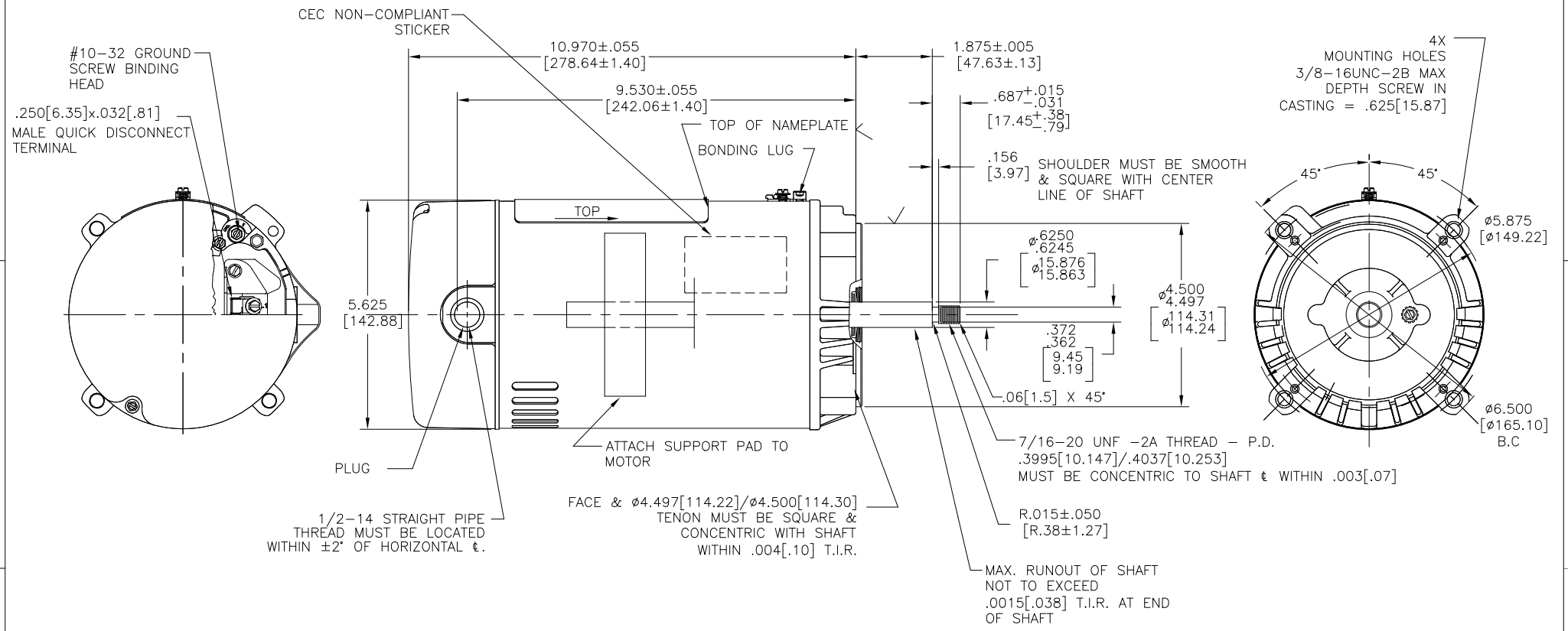
Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/115 V
Current	7.5/15.0 A	Speed	3450 rpm
Service Factor	1.5	Phase	1
Duty	Continuous	Insulation Class	B
Frame	56J	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

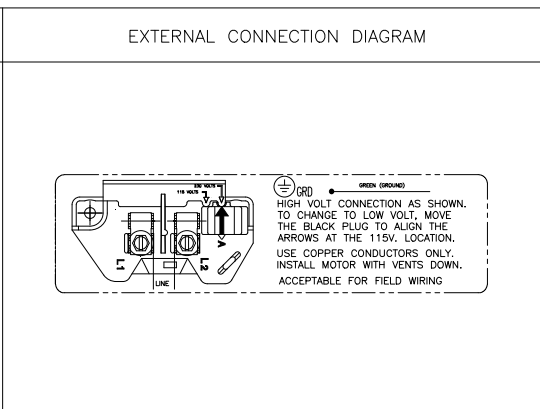
Technical Specifications

Electrical Type	Cap Start Motor	Poles	2
Rotation	Counterclockwise Pump End	Mounting	C Face
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Threaded	Overall Length	13.53 in
Frame Length	7.63 in	Shaft Diameter	0.625 in
Shaft Extension	2.562 in		
Connection Drawing	627103-006	Outline Drawing	ST1072-S01

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NAMEPLATE DATA	
MODEL: C48K2N143C2C	CUST PN: ST1072
HP: 3/4	SF:1.5
ROT: CCWPE	
RPM: 3450	
TYPE: UAC	CODE: L
FORM: FRAME: 56J	
VOLTS: 230/115	
AMPS:	
MAX AMPS: 7.5/15.0	
SF AMPS: -	
PH: 1	HZ: 60
INS: B	AMB: 50°C
DUTY: CONT	
ENCLOSURE: ODP	
THERMALLY PROTECTED	



- NOTES
- 7/16" WRENCH FLATS ON SHAFT FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER.
 - STAINLESS STEEL SHAFT EXT.
 - LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING = .001[.02].
 - DUAL VOLTAGE MOTORS ARE TO BE CONNECTED FOR HIGHER VOLTAGE QUICK VOLTAGE CHANGE PLUG INCLUDED ON THE TERMINAL BOARD.
 - CTQ REQUIREMENT SEE EP000105-008.
 - RoHS & REACH ETC REQUIREMENT SEE EP000014.

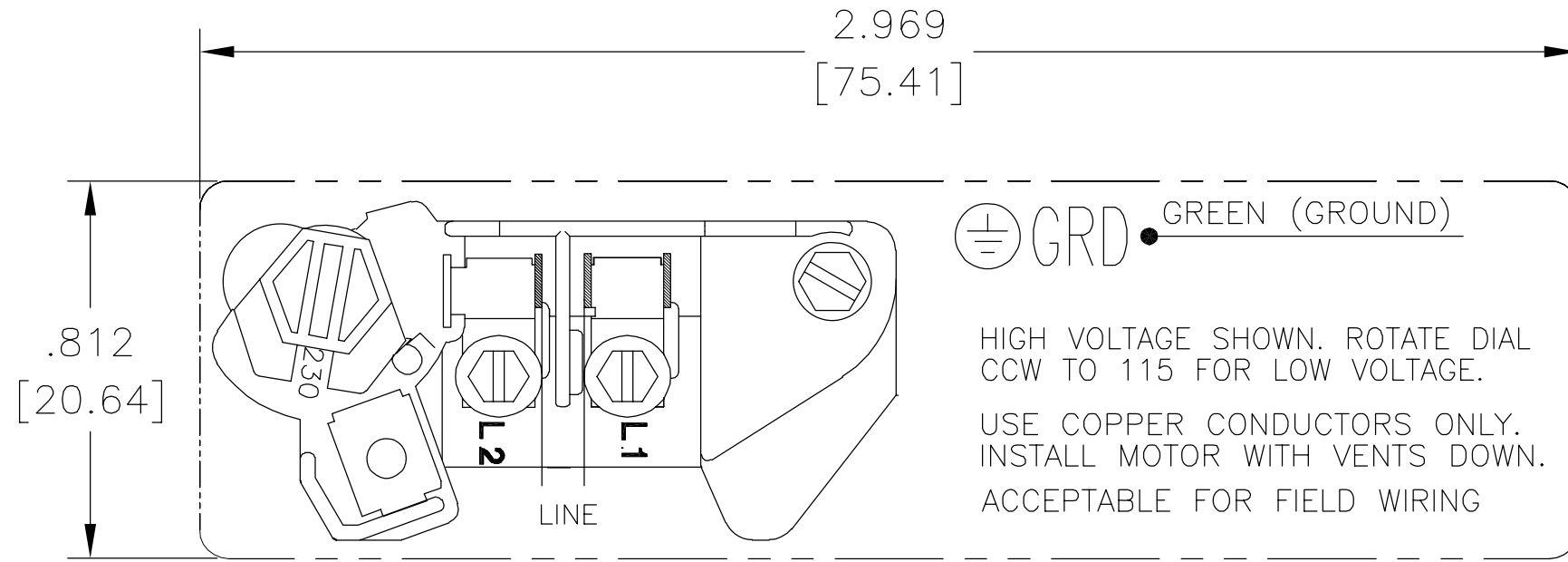
PERFORMANCE CURVE		APPROVED SAMPLE	

UL COMPONENT		CSA	
FILE #	CCN #	FILE #	GUIDE #
E25022	XEWR2	LR43341	4211-01
CUSTOMER DISTRIBUTION SERVICES			

CRITICAL TO QUALITY CHARACTERISTICS(CTQs)	DRAWING REVISION	REVISION BY	DATE	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRAWN BY:
(P) PROCESS	ECO	FRASHANTH	11/03/2022	DEC. INCH [±.3] ANGLE	BL
(E) ENGINEERING	ECR-0221079	APPROVED BY	11/03/2022	.X ±0.1 [±.3]	DATE: 07-12-2010
(A) APPLICATION		PVR		.XX ±0.02 [±0.5]	APPROVED BY:
(R) REGULATORY				.XXX ±0.005 [±0.13]	MY
(L) LIFE				XXXX ±0.0005 [±0.013]	DATE: 07-12-2010
				REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.08.38]	REFERENCE
				CORNER FILLETS .02 [.5]	MATERIAL
				MACHINED SURFACES .125/ mm 3/2	PROCESS/FINISH
				mm SHOWN IN [BRACKETS]	SIZE DWG NO

REGAL™	Regal Beloit America, Inc.
DESCRIPTION	MODEL-PFHP-48FR OUTLINE
MATERIAL	
PROCESS/FINISH	
SIZE DWG NO	ST1072
SHEET	1

REV	ECO	REV BY	DATE	APPD	DATE
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



DUAL VOLTAGE

NOTE:

1. FOR USE WITH 616231 NAME PLATE BLANK.
2. — — — — INDICATES DIMENSIONAL LIMITS.
3. DIE MUST PRODUCE A LEGIBLE IMPRESSION.

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	±.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
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CORNER FILLETS TO:

INCH	.020	mm	0.5
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MACHINE SURFACES:

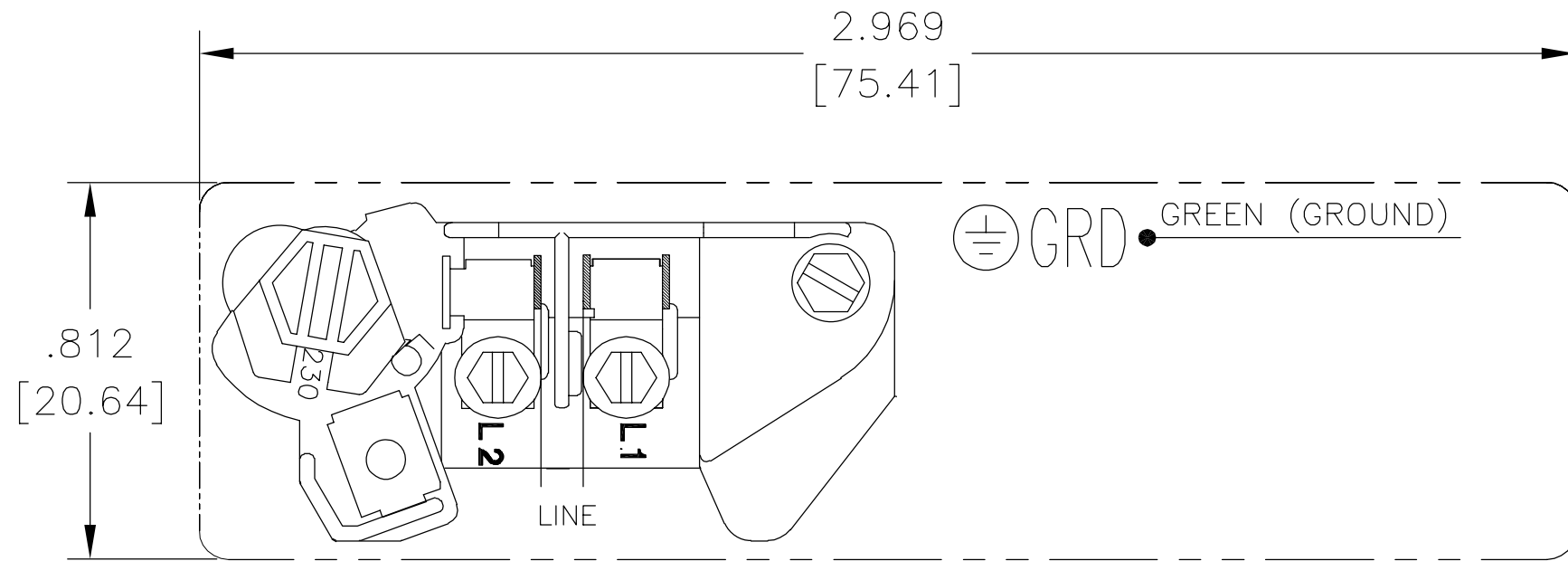
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	Daniel Muñoz	04-13-2009
APPD:		
THIRD ANGLE PROJECTION		EDS DATE 02-22-2009 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONNECTION DIAGRAM EXTERNAL			
SIZE A	DWG NO 627103-006		SHEET 1
SCALE NONE			

REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



VOLTAJE DOBLE

NOTAS:

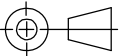
1. PARA USARSE CON LA PLACA DE DATOS EN BLANCO 616231.
2. — — — — — INDICA LIMITES DIMENSIONALES.
3. EL DADO DEBE PRODUCIR UNA IMPRESION LEGIBLE.


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
- ◎ CONCENRICIDAD
- ≡ SIMETRIA

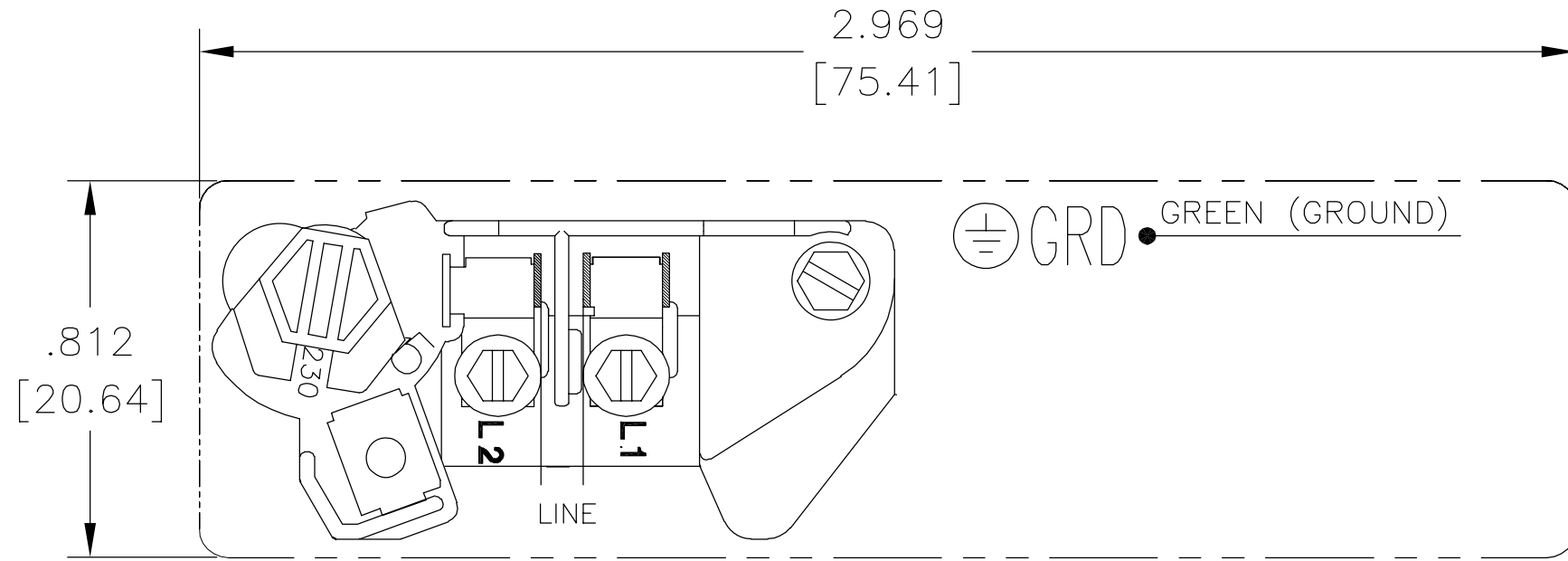
A MENOS QUE SE ESPECIFIQUE DE OTRA MANERA, LAS TOLERANCIAS DE LAS DIMS; SON LAS SIGUIENTES:

	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: Daniel Muñoz	04-13-2009
APROBADO POR:	
TERCER ANGULO DE PROYECCION	
FECHA EDS: 02-22-2009	REV. FORMATO: F
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DESCRIPCION: CONNECTION DIAGRAM EXTERNAL	
TAMAÑO: A	NUMERO DE DIBUJO: 627103-006
ESCALA:NONE	HOJA: 1

版本	ECO	编制	日期	批准	日期
B	0001487	D.MUÑOZ	04-13-2009	M.ARGUELLES	04-13-2009



- 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:

	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:	Daniel Muñoz	04-13-2009
批准:		
第三角投影		图纸格式发布日期 02-22-2009 图纸格式版本 F
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名称		CONNECTION DIAGRAM EXTERNAL	
图幅	A	图号	627103-006
比例	NONE	页号	1