

PRODUCT INFORMATION PACKET



Model No: USQ1072

Catalog No: USQ1072

Pool Pump Motor, 3/4 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 48Y Frame, ODP



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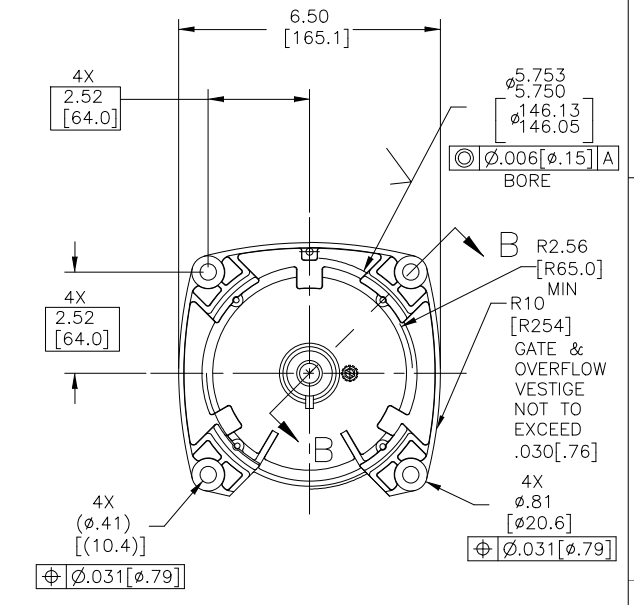
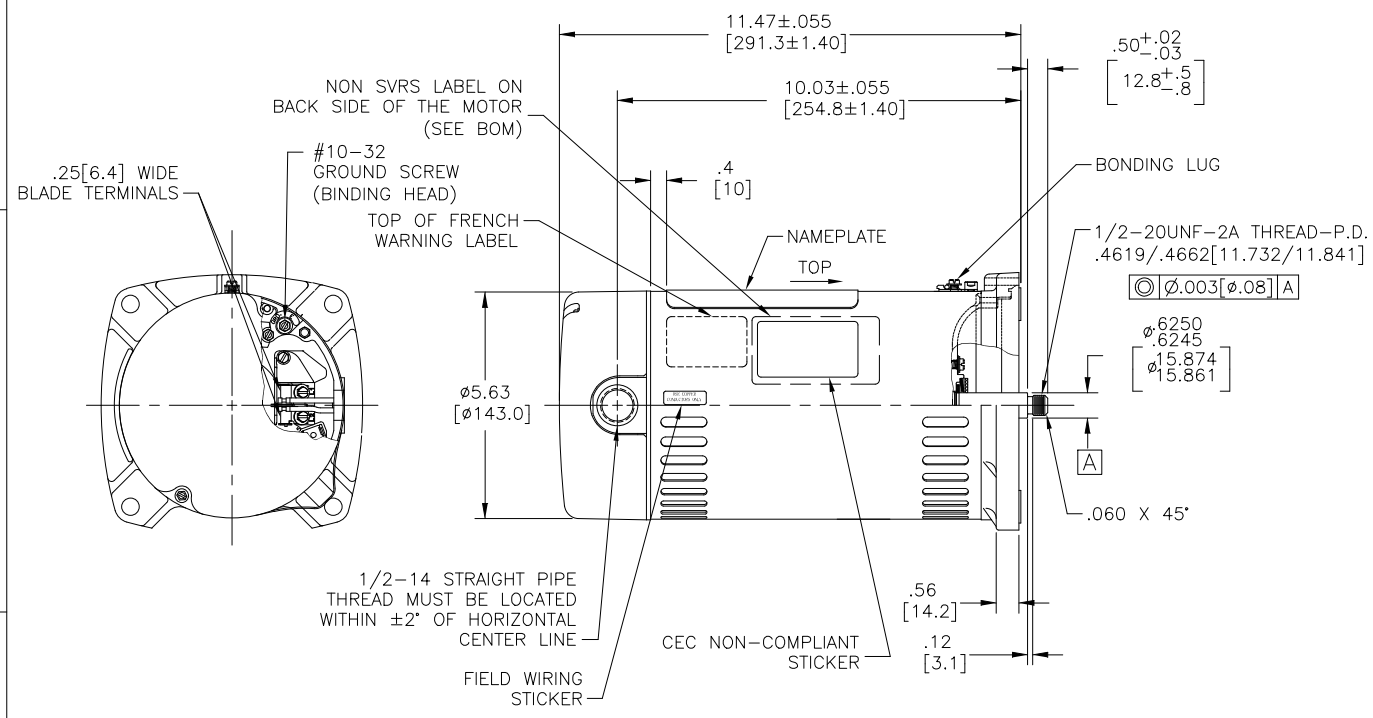
Nameplate Specifications

Phase	1	Output HP	3/4 Hp
Output KW	0.56 kW	Voltage	230/115 V
Speed	3450 rpm	Service Factor	1.27
Frame	48Y	Enclosure	Open Drip Proof
Thermal Protection	Automatic	Ambient Temperature	50 °C
Frequency	60 Hz	Current	6.7/13.4 A
Duty	Continuous	Insulation Class	B
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Cap Start Motor	Starting Method	Across The Line
Poles	2	Rotation	Counterclockwise Pump End
Mounting	Round	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Rolled Steel	Shaft Type	1/2 Thread
Overall Length	12.19 in	Frame Length	8.31 in
Shaft Diameter	0.625 in	Shaft Extension	0.906 in
Outline Drawing	USQ1072	Connection Drawing	627103-006

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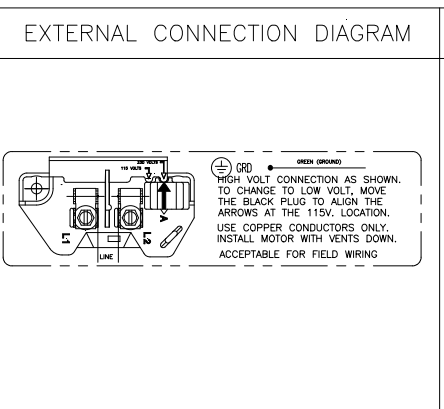


NAMEPLATE DATA

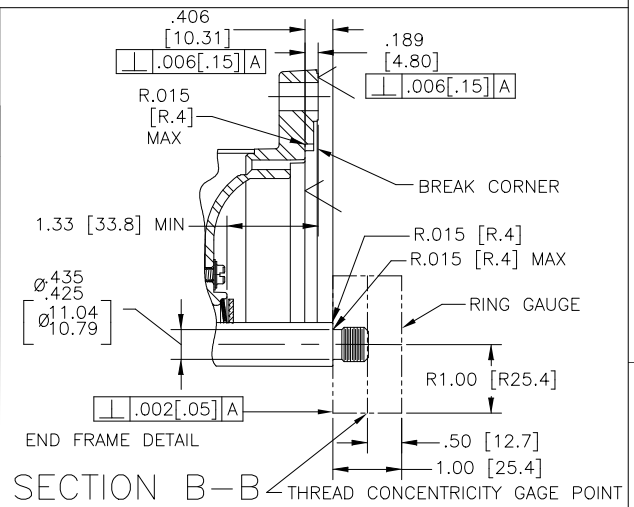
MODEL: C48J2PA105C5
 CUST PN: USQ1072
 HP: 0.75 SF: 1.27
 ROT: CCWPE
 RPM: 3450
 TYPE: UAC CODE: J
 FORM: FRAME: 48 Y

VOLTS: 230/115
 AMPS:
 MAX AMPS: 6.7/13.4
 SF AMPS: -

PH: 1 HZ: 60
 INS: B AMB: 50°C
 DUTY: CONT
 ENCLOSURE: ODP
 THERMALLY PROTECTED



- NOTES
1. FINISH PAINT TO BE SATIN BLACK.
 2. .44[11.2] WRENCH FLATS ON SHAFT-FOR ACCESS TO THIS WRENCH FLAT REMOVE END COVER.
 3. STAINLESS STEEL SHAFT EXT.
 4. LIMITS ON AMPLITUDE OF VIBRATION MEASURED AT BEARING HOUSING = .001.
 5. CONNECTED FOR 230 VOLTS. QUICK VOLTAGE CHANGE DIAL INCLUDED ON THE TERMINAL BOARD.
 6. SUPPORT PAD TO BE PACKED WITH EACH MOTOR
 7. CTQ REQUIREMENT SEE EP000105-008
 8. RoHS & REACH REQUIREMENT SEE EP000014.



PERFORMANCE CURVE

C48J2W41

UL COMPONENT

CSA

FILE#	CCN#	FILE#	GUIDE#
E25022	XEWR2	LR43341	4211-01

CUSTOMER

DIST. SERVICES

APPROVED SAMPLE

CSA

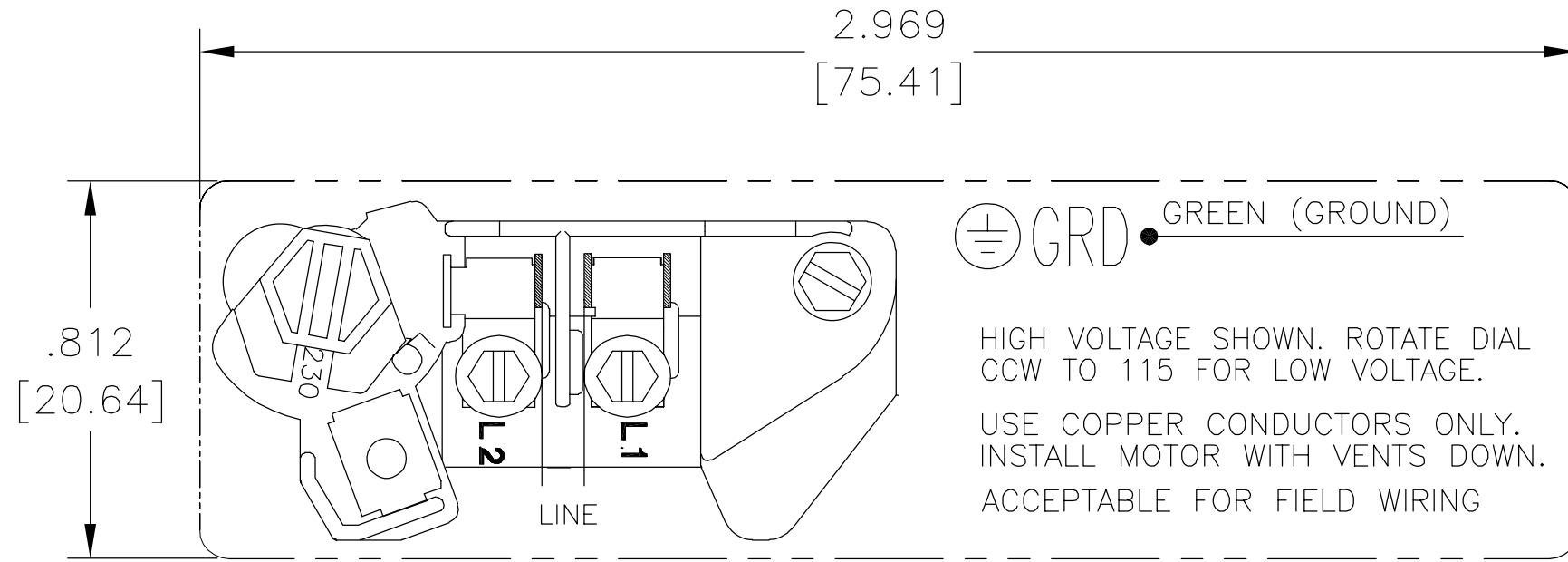
CRITICAL TO QUALITY CHARACTERISTICS(CTQs)	DRAWING REVISION	REVISION BY	DATE
(P) PROCESS	IN	GELINE,ZHAO	12-11-2025
(E) ENGINEERING	ECO	APPROVED BY	DATE
(A) APPLICATION	ECR-0247757	TRISTIA,ZHAO	12-11-2025
(R) REGULATORY	ECO DESCRIPTION		
(L) LIFE	ADD FRENCH LABEL		

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TOLERANCES UNLESS OTHERWISE SPECIFIED	ANGLE
DEC. INCH	mm
.X ±0.1	±0.5°
.XX ±0.02	[±0.51]
.XXX ±0.005	[±0.127]
.XXXX ±0.0005	[±0.0127]
REMOVE BURRS & BREAK SHARP EDGES .003/.015 [0.076/.381]	
CORNER FILLETS .02 [5.1]	
MACHINED SURFACES	125
mm SHOWN IN [BRACKETS]	mm ^{3/2}

DRAWN BY:	JLJC	DATE:	05-12-2009
APPROVED BY:		DESCRIPTION:	MODEL-PFHP-48FR OUTLINE
REFERENCE:		MATERIAL:	
THIRD ANGLE PROJECTION		PROCESS/FINISH:	
SIZE	DWG NO	USQ1072	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:

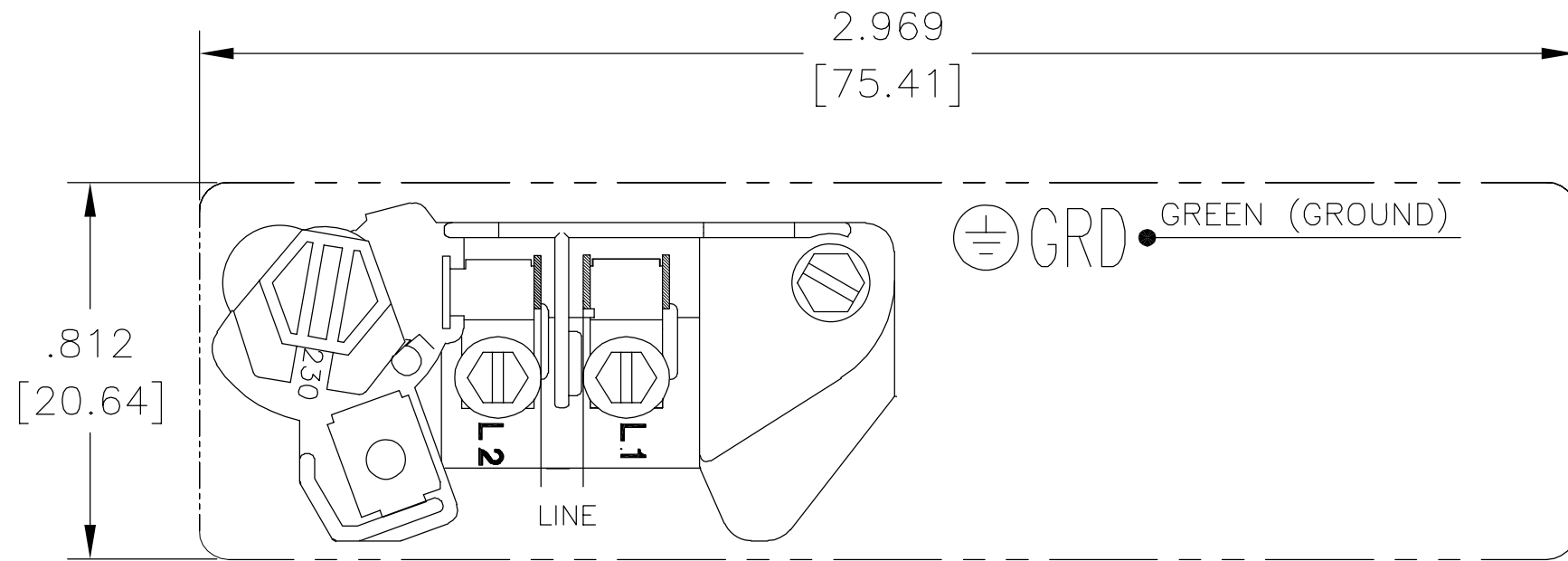
INCH	125	mm	3.2
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METRIC DIMS. SHOWN IN [BRACKETS]

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		
SCALE NONE			SHEET 1

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.

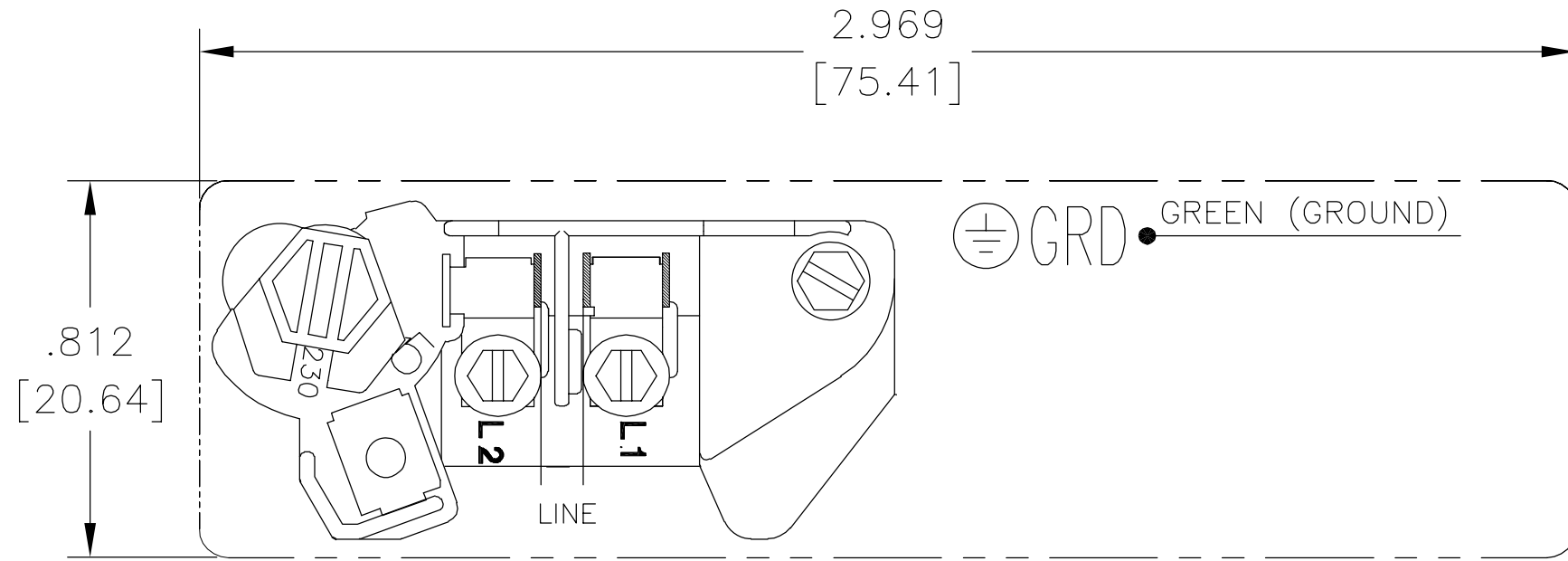
PULG .003-.015 mm 0.1-0.4
FILETEAR ESQUINA: PULG .020 mm 0.5
MAQUINAR SUPERFICIES
PULG 125 mm 3.2

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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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:		
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