

PRODUCT INFORMATION PACKET



Model No: UST1072

Catalog No: UST1072

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



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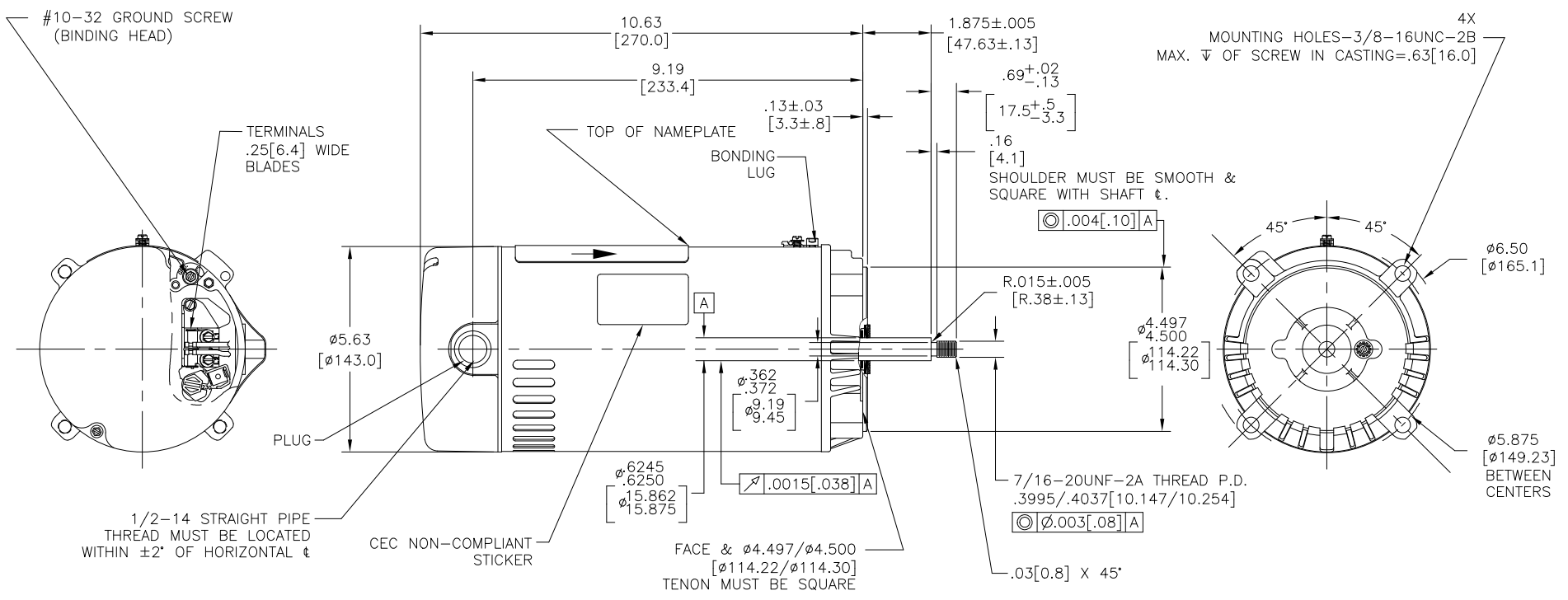
Nameplate Specifications

Output HP	3/4 Hp	Output KW	0.56 kW
Frequency	60 Hz	Voltage	230/115 V
Current	5.5/11.0 A	Speed	3450 rpm
Service Factor	1	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	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	7/16 Thread
Overall Length	13.20 in	Frame Length	7.38 in
Shaft Diameter	0.625 in	Shaft Extension	2.56 in
Connection Drawing	627103-001	Outline Drawing	UST1072-S01

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NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: C48J2N131C1C CUST PN: UST1072 HP: 3/4 SF: 1.0 ROT: CCWPE RPM: 3450 TYPE: UAC FORM: CODE: H FRAME: 56J VOLTS: 230/115 AMPS: MAX AMPS: 5.3/10.6 SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50 DUTY: CONT ENCLOSURE: ODP THERM. PROT.	<p>HIGH VOLT CONNECTION AS SHOWN. TO CHANGE TO LOW VOLT, MOVE THE BLACK PLUG TO ALIGN THE ARROWS AT THE 115V LOCATION. USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING</p>	<ol style="list-style-type: none"> .44[11.1] 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[.03]. 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 REQUIREMENT SEE EP000014.

PERFORMANCE CURVE	APPROVED SAMPLE		
C48J2W34			
UL COMPONENT	CSA		
FILE#	CCN#	FILE#	GUIDE#
E25022	XEWR2	LR43341	4211-01
CUSTOMER	DISTRIBUTION SERVICES		

CRITICAL TO QUALITY CHARACTERISTICS(CTQs) (P) PROCESS (E) ENGINEERING (A) APPLICATION (R) REGULATORY (L) LIFE	DRAWING REVISION: M ECR-0221079 SEE ECR	REVISION BY: SRIKANTH APPROVED BY: PVR	DATE: 11/3/2022 DATE: 11/3/2022	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ± 0.1 [± 3] $\pm 0.5^\circ$.XX ± 0.02 [± 0.5] .XXX ± 0.005 [± 0.13] .XXXX ± 0.0005 [± 0.013] REMOVE BURRS & BREAK SHARP EDGES .003/.015 [.08/.38] CORNER FILLETS .02 [.5] MACHINED SURFACES $\sqrt{125}$ INCH/mm $\sqrt{32}$ mm SHOWN IN [BRACKETS]	DRAWN BY: Richard.Pan DATE: APPROVED BY: DATE: REFERENCE: - THIRD ANGLE PROJECTION	REGAL™ Regal Beloit America, Inc. DESCRIPTION: MODEL-PFHP-48FR OUTLINE MATERIAL: - PROCESS/FINISH: - SIZE: C DWG NO: UST1072 SHEET: 1
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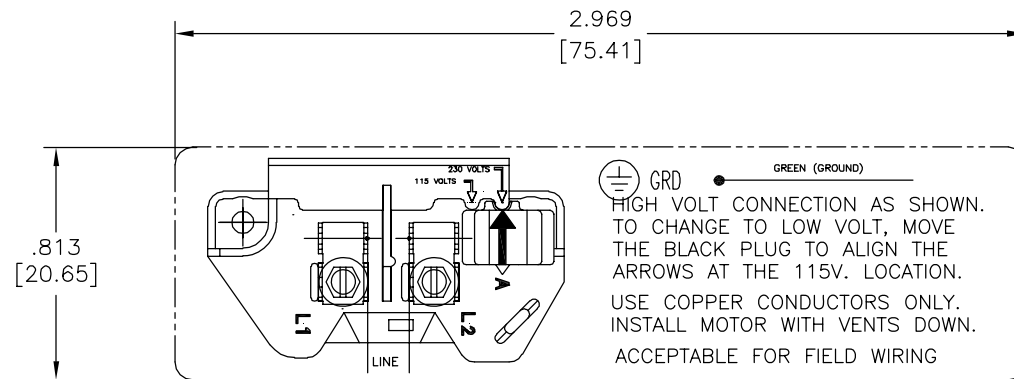
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REV	ECO	REV BY	DATE	APPD	DATE
A	22828	SH	11-08-2011	RH	11-08-2011



DUAL VOLTAGE
627103-001

NOTE:

- FOR USE WITH 616231 NAME PLATE BLANK.
- INDICATES DIMENSIONAL LIMITS.
- DIE MUST PRODUCE A LEGIBLE IMPRESSION.

GEOMETRIC CHARACTERISTICS & SYMBOLS

- FLATNESS
- STRAIGHTNESS
- < ANGLARITY
- ⊥ 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

CORNER FILLETS TO:
INCH .020 mm 0.5

MACHINE SURFACES:
INCH 125 mm 3.2

METRIC DIMS. SHOWN IN [BRACKETS]

DR BY:	SH	11-08-2011
APPD:	RH	11-08-2011
THIRD ANGLE PROJECTION		EDS DATE 01-21-2007 FORMAT REV F
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		ELECTRICAL PRODUCTS COMPANY <small>A DIVISION OF A. O. SMITH CORPORATION</small>	
DESCRIPTION CONNECTION DIAGRAM			
SIZE C	DWG NO 627103-001		
SCALE NONE			SHEET 1

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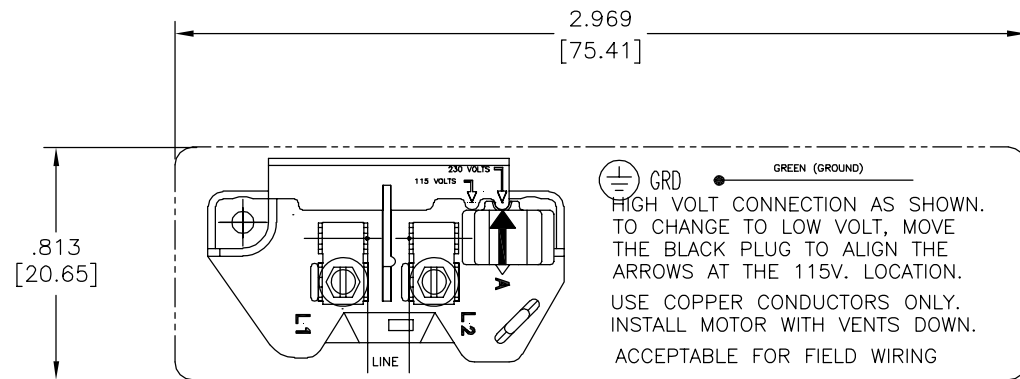
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	22828	SH	11-08-2011	RH	11-08-2011



627103-001

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
- ◎ CONCENTRICIDAD
- ≡ SIMETRIA

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

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:	SH	11-08-2011
APROBADO POR:	RH	11-08-2011
TERCER ANGULO DE PROYECCION	⊕	FECHA EDS: 01-21-2007 REV. FORMATO: F
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DESCRIPCION: CONNECTION DIAGRAM	
TAMAÑO: C	NUMERO DE DIBUJO: 627103-001
ESCALA: NONE	HOJA: 1

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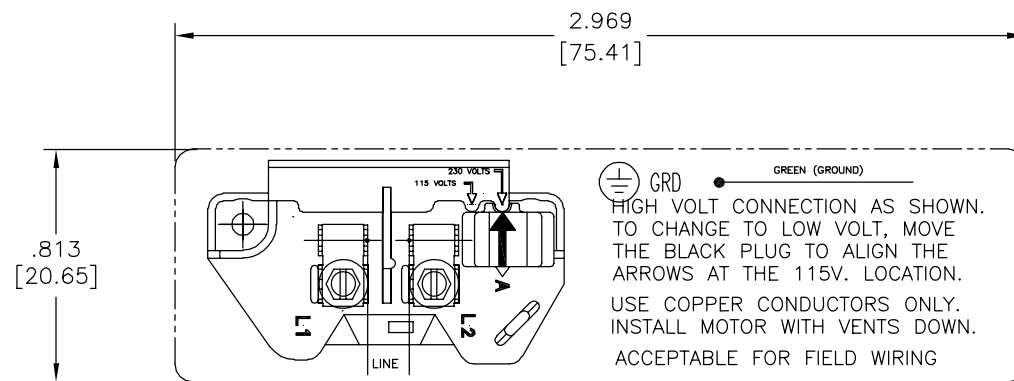
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版本	ECO	编制	日期	批准	日期
A	22828	SH	11-08-2011	RH	11-08-2011



627103-001

技术要求:

1. 用616231铭牌底版
2. — — — — 表示尺寸限制
3. 必须有清晰的压痕

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

绘图:	SH	11-08-2011
批准:	RH	11-08-2011
第三角投影		图纸格式发布日期 01-21-2007 图纸格式版本 F
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ASME Y14.5M 1994		

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名称 CONNECTION DIAGRAM		
图幅 C	图号 627103-001	
比例 NONE		页号 1

名称		CONNECTION DIAGRAM	
图幅	C	图号	627103-001
比例	NONE	页号	1

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