

PRODUCT INFORMATION PACKET



Model No: ST1102
Catalog No: ST1102
Pool Pump Motor, 1 HP, 1 Ph, 60 Hz, 230/115 V, 3600 RPM, 56J Frame, ODP



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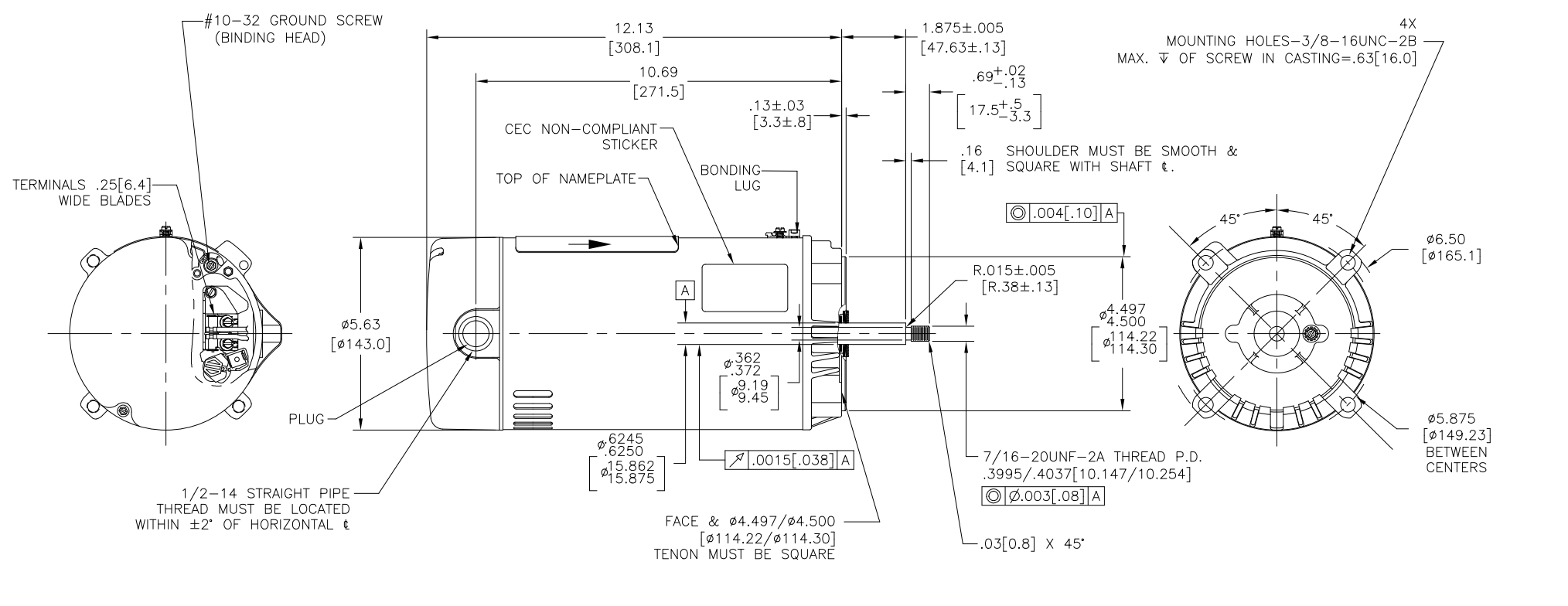
Nameplate Specifications

Output HP	1 Hp	Output KW	0.75 kW
Frequency	60 Hz	Voltage	230/115 V
Current	9.3/18.6 A	Speed	3450 rpm
Service Factor	1.5	Phase	1
Efficiency	70.6 %	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	14.70 in	Frame Length	8.75 in
Shaft Diameter	0.625 in	Shaft Extension	2.562 in
Connection Drawing	627103-001	Outline Drawing	ST1102-S01

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NAMEPLATE DATA	EXTERNAL CONNECTION DIAGRAM	NOTES
MODEL: C48L2N134C2 CUST PN: ST1102 HP: 1 SF: 1.5 ROT: CCWPE RPM: 3450 TYPE: UAC FORM: CODE: L FRAME: 56J VOLTS: 230/115 AMPS: MAX AMPS: 9.3/18.6 SF AMPS: - PH: 1 HZ: 60 INS: B AMB: 50 DUTY: CONT ENCLOSURE: ODP THERM. PROT. CET40ABM	<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 MOTERS ARE TO BE CONNECTED FOR HIGHER VOLTAGE. QUICK VOLTAGE CHANGE PLUG INCLUDED ON THE TERMINAL BOARD. SUPPORT PAD TO BE PACKED WITH EACH MOTOR MOTOR ASSY REF: 617158-008 CTQ REQUIREMENT SEE EP000105-008. RoHS & REACH ETC REQUIREMENT SEE EP000014.

PERFORMANCE CURVE	APPROVED SAMPLE		
C48L2W36			
UL COMPONENT	CSA		
FILE#	CCN#	FILE#	GUIDE#
E46412	PRGY2	LR43341	4211-02
CUSTOMER	DISTRIBUTION SERVICES		

CRITICAL TO QUALITY CHARACTERISTICS(CTQs) (P) PROCESS (E) ENGINEERING (A) APPLICATION (R) REGULATORY (L) LIFE	DRAWING REVISION: M REVISION BY: PRASHANTH DATE: 11/03/2022 APPROVED BY: PVR DATE: 11/03/2022 ECO DESCRIPTION: ELIMINATED NOTE 1 FROM OUTLINE	TOLERANCES UNLESS OTHERWISE SPECIFIED DEC. INCH mm ANGLE .X ±0.1 [±.3] ±0.5° .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: 125 INCH/mm $\sqrt{}$ mm SHOWN IN [BRACKETS]	DRAWN BY: JZ DATE: 10-27-2009 APPROVED BY: KG DATE: 10-27-2009 REFERENCE: - THIRD ANGLE PROJECTION	REGAL™ Regal Beloit America, Inc. DESCRIPTION: OUTLINE MATERIAL: - PROCESS/FINISH: - SIZE: C DWG NO: ST1102 SHEET: 1
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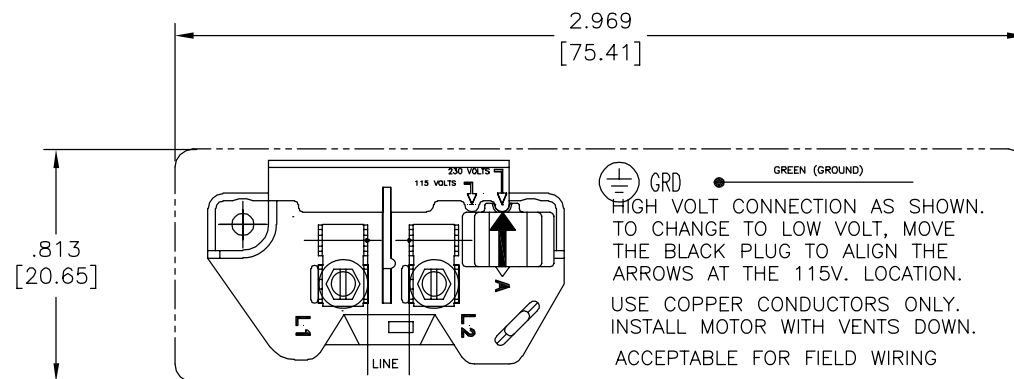
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REV	ECO	REV BY	DATE	APPD	DATE
A	22828	SH	11-08-2011	RH	11-08-2011



DUAL VOLTAGE
627103-001

NOTE:

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

<p>GEOMETRIC CHARACTERISTICS & SYMBOLS</p> <ul style="list-style-type: none"> □ FLATNESS - STRAIGHTNESS ∠ ANGULARITY ⊥ PERPENDICULARITY (SQUARENESS) // PARALLELISM ○ ROUNDNESS (CIRCULARITY) ⊘ CYLINDRICITY △ PROFILE OF ANY SURFACE ∩ PROFILE OF ANY LINE ↗ RUNOUT ⊕ TRUE POSITION ◎ CONCENTRICITY ≡ SYMMETRY 	<p>UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS:</p> <p>INCH X XX XXX XXXX mm ±0.5 ±0.13 ±0.013</p> <p>ANG. ±.50 DEG REMOVE BURRS & BREAK SHARP EDGES: INCH .003-.015 mm 0.1-0.4</p> <p>CORNER FILLETS TO: INCH .020 mm 0.5</p> <p>MACHINE SURFACES: INCH 125 mm 3.2</p> <p>METRIC DIMS. SHOWN IN [BRACKETS]</p>	DR BY:	SH	11-08-2011	<p>ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION</p>				
		APPD:	RH	11-08-2011		DESCRIPTION	CONNECTION DIAGRAM		
		THIRD ANGLE PROJECTION		EDS DATE	01-21-2007	SIZE	C	DWG NO	627103-001
		<p>CONFIDENTIAL: THIS DRAWING AND ITS INFORMATION ARE THE EXCLUSIVE AND CONFIDENTIAL PROPERTY OF A.O. SMITH CORP. AND ARE NOT TO BE DISCLOSED, DUPLICATED, DISTRIBUTED OR OTHERWISE USED WITHOUT THE WRITTEN CONSENT OF A.O. SMITH CORP.</p> <p>-ALL RIGHTS RESERVED. ASME Y14.5M 1994</p>				SCALE	NONE	SHEET	1

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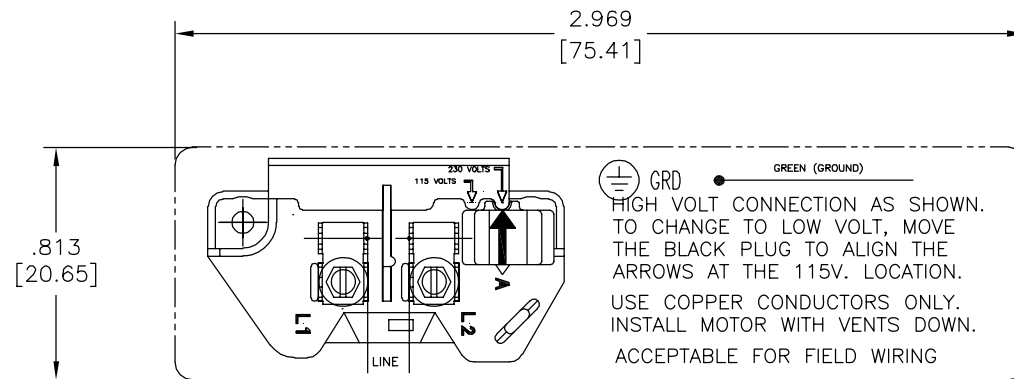
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REVISION:	ECO	REVISADO POR:	FECHA:	APROBADO POR:	FECHA:
A	22828	SH	11-08-2011	RH	11-08-2011



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	ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
		APROBADO POR: RH	11-08-2011		DESCRIPCION: CONNECTION DIAGRAM
		TERCER ANGULO DE PROYECCION	FECHA EDS: 01-21-2007 REV. FORMATO: F	TAMAÑO: C	NUMERO DE DIBUJO: 627103-001
		CONFIDENCIAL: ESTE DIBUJO Y SU INFORMACION SON PROPIEDAD DE USO EXCLUSIVO Y CONFIDENCIAL DE A.O.SMITH CORP. Y NO DEBERAN SER REVELADOS, DUPLICADOS, DISTRIBUIDOS O USARSE DE OTRA MANERA SIN EL CONSENTIMIENTO ESCRITO DE A.O. SMITH CORP. -TODOS LOS DERECHOS RESERVADOS. ASME Y14.5M 1994			ESCALA: NONE

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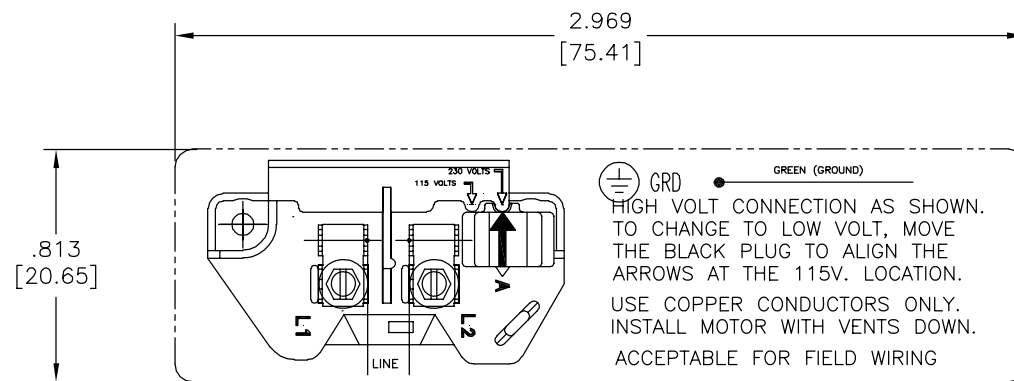
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版本	ECO	编制	日期	批准	日期
A	22828	SH	11-08-2011	RH	11-08-2011



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
□ 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:

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:	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		

ACSmith Innovation has a name.		ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	
名称 CONNECTION DIAGRAM			
图幅	C	图号	627103-001
比例	NONE	页号	1

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