

PRODUCT INFORMATION PACKET



Model No: B2844

Catalog No: B2844

Pool Pump Motor, 3.0 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, Y56Y Frame, DP



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Nameplate Specifications

Output HP	3.0 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	208-230 V
Current	SF 15.0-13.6 A	Speed	3450 rpm
Service Factor	1.15	Phase	1
Duty	Continuous	Insulation Class	F
Frame	Y56Y	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	1		

Technical Specifications

Electrical Type	Permanent Split Capacitor, Single Or Dual Voltage	Poles	2
Rotation	Counterclockwise Pump End	Mounting	Square Flange
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	1/2 THREADS	Overall Length	14.40 in
Frame Length	10.00 in	Shaft Diameter	0.625 in
Shaft Extension	0.91 in		
Connection Drawing	17536730.PCX	Outline Drawing	B2844-S01

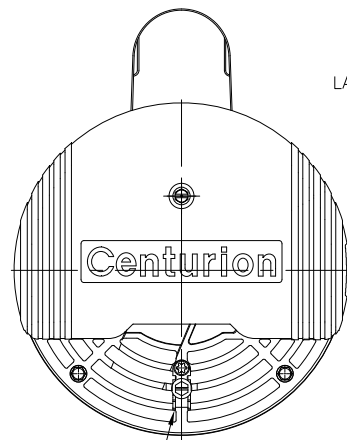
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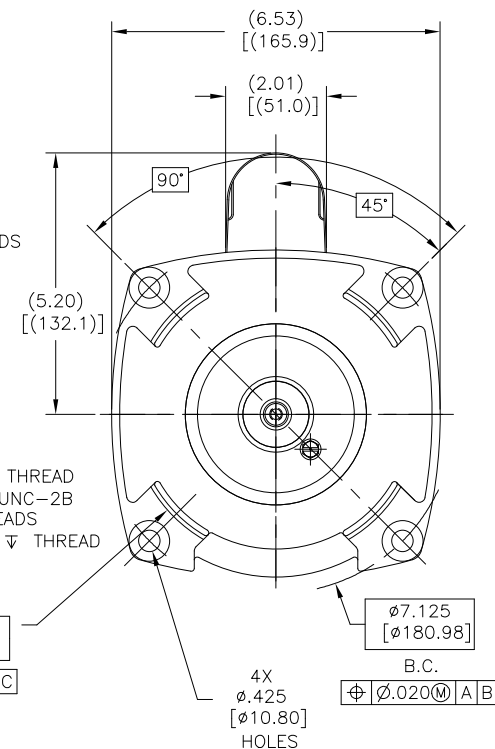
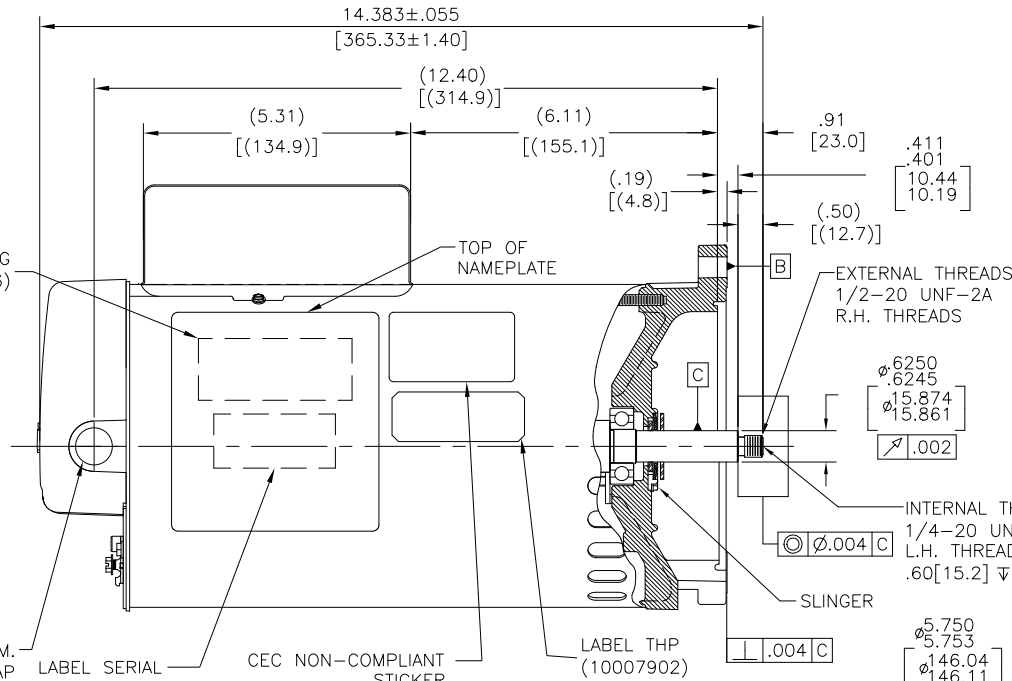
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BONDING LUG

LABEL WARNING
(2506376)1/2-14 N.P.S.M.
WITH CAP

LABEL SERIAL

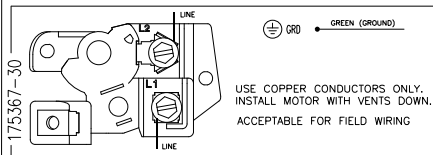
CEC NON-COMPLIANT
STICKERLABEL THP
(10007902)

NAMEPLATE DATA

EXTERNAL CONNECTION DIAGRAM

NOTES

MODEL: 196258
CUST PN: B2844
HP: --- SF: ---
ROT: CCWPE
RPM: 3450
TYPE: CX CODE: G
FORM: FRAME: Y56Y
VOLTS: 208-230
AMPS: 15.0-13.6
MAX AMPS:
SF AMPS: -
PH: 1 HZ: 60
INS: F AMB: 50°C
DUTY: CONT
ENCLOSURE: DP
THERMALLY PROTECTED



NOTES:

1. FOR THREADED SHAFT EXT. ECCENTRICITY OF THREADED PORTION OF SHAFT IS HELD WITHIN .004[.10] TOTAL GAGE READING WITH THE INDICATOR ON O.D. OF GROUND RING GAGE AS SHOWN. THE GAGE BEING STATIONARY WITH RESPECT TO THE ROTOR.
2. END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST.
3. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS.
4. FINISH PAINT TO BE BLACK.
5. REFERENCE MODEL: B2844
6. CTQ REQUIREMENT SEE EP000105-008
7. RoHS & REACH ETC REQUIREMENT SEE EP000014

PERFORMANCE
CURVEAPPROVED
SAMPLE

15530412

0601161

UL COMPONENT

CSA

FILE#

CCN#

FILE#

GUIDE#

PENDING

PENDING

PENDING

PENDING

CUSTOMER

DISTRIBUTION

CRITICAL TO QUALITY
CHARACTERISTICS (CTQs)

PROCESS

ENGINEERING

APPLICATION

REGULATORY

LIFE

DRAWING REVISION
U
ECO-0217420

REVISION BY
PRASHANTH

DATE
07/27/2022

APPROVED BY
GAUTAM

DATE
07/27/2022

ECO DESCRIPTION
ADDED LABELS

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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/.25 [3.18/6.35]
mm SHOWN IN [BRACKETS]

DRAWN BY:
JAH

DATE:
03-13-2006

APPROVED BY:

DATE:

REFERENCE

THIRD ANGLE
PROJECTION

Regal Beloit America, Inc.

OUTLINE

MATERIAL

PROCESS/FINISH

SIZE DWG NO

B2844

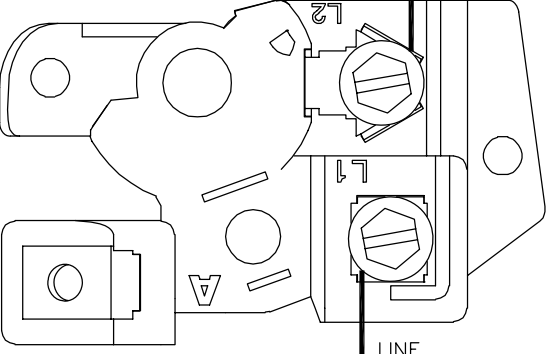
SHEET 1

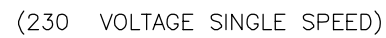
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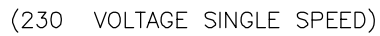
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4		3		2		1																	
				REV ECO		REV BY DATE																	
				B 0021650		Cherry.Zhang 07-15-2011																	
						APPD DATE																	
						Hong.Zhu 07-15-2011																	
175367-30  GRD GREEN (GROUND) USE COPPER CONDUCTORS ONLY. INSTALL MOTOR WITH VENTS DOWN. ACCEPTABLE FOR FIELD WIRING (230 VOLTAGE SINGLE SPEED) NOTES: 1) DOTTED BOX REPRESENTS TOTAL PRINTED AREA ALLOWED FOR CONNECTION DIAGRAM TO FIT IN (2.13[54.1] X .75[19.0]). SEE NAMEPLATE DRAWING 170500 OR 170501 FOR LOCATION. 2) CHARACTERS ARE TO BE A MINIMUM OF .03[.8] TO .06[1.5] MAXIMUM IN HEIGHT 3) DETAILS ARE NOT TO BE COPIED FROM DRAWING, BUT ARE TO BE REPRODUCED FROM ORIGINAL ARTWORK FURNISHED. 4) FUTURE DETAILS ARE TO BE PLACED ON D0000112 <table><tr><td rowspan="4">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</td><td rowspan="4">UNLESS OTHERWISE SPECIFIED DIM. TOLERANCES ARE AS FOLLOWS: INCH X XX XXX XXXX mm ±.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]</td><td>DR BY: Cherry.Zhang</td><td>07-15-2011</td><td rowspan="2"> ACSmith ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION </td></tr><tr><td>APPD: Hong.Zhu</td><td>07-15-2011</td><td>DESCRIPTION CONN DIAGRAM-NAMEPLATE</td></tr><tr><td>THIRD ANGLE PROJECTION</td><td>EDS DATE 02-22-2008 FORMAT REV F</td><td>SIZE C</td><td>DWG NO 17536730</td></tr><tr><td colspan="2">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. -ALL RIGHTS RESERVED. ASME Y14.5M 1994</td><td>SCALE NONE</td><td>SHEET 1</td></tr></table>								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 X XX XXX XXXX mm ±.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: Cherry.Zhang	07-15-2011	ACSmith ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION	APPD: Hong.Zhu	07-15-2011	DESCRIPTION CONN DIAGRAM-NAMEPLATE	THIRD ANGLE PROJECTION	EDS DATE 02-22-2008 FORMAT REV F	SIZE C	DWG NO 17536730	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. -ALL RIGHTS RESERVED. ASME Y14.5M 1994		SCALE NONE	SHEET 1
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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 X 毫米 ±0.5 XX ±.02 XXX ±0.005 XXXX ±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: Cherry.Zhang07-15-2011 批准: Hong.Zhu07-15-2011 第三角投影 图纸格式发布日期 02-22-2008 图纸格式版本 F 机密: 本图纸及相关信息所有权归A. O. SMITH公司所有。 未经A. O. SMITH公司书面授权, 不得泄露、复制、传播或作 其他用途。一版权所有 ASME Y14.5M 1994	ACSmith innovation has a name. ELECTRICAL PRODUCTS COMPANY A DIVISION OF A. O. SMITH CORPORATION 名称 CONN DIAGRAM-NAMEPLATE 图幅 C 图号 17536730 比例 NONE 页号 1
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