

PRODUCT INFORMATION PACKET



Model No: B2842

Catalog No: B2842

Pool Pump Motor, 1.5 HP, 1 Ph, 60 Hz, 208-230 V, 3600 RPM, Y56Y Frame, DP



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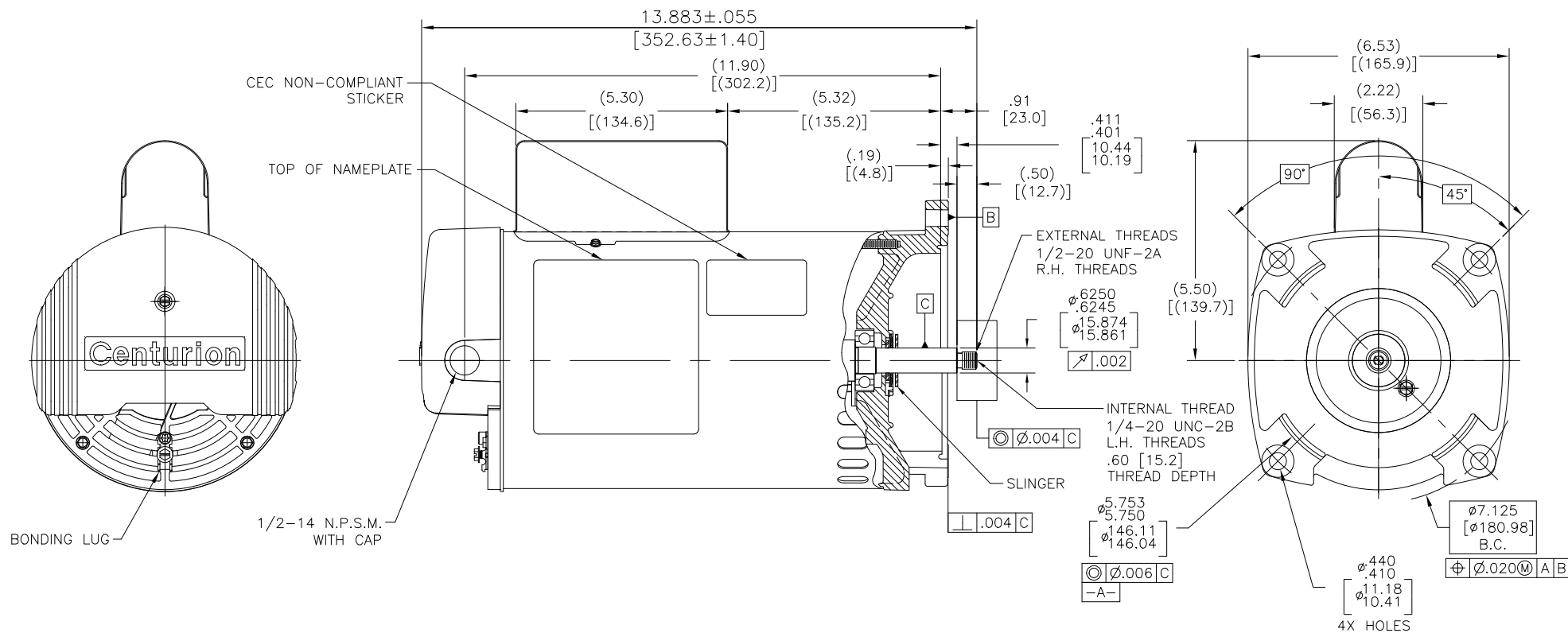
Nameplate Specifications

Output HP	1.5 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	208-230 V
Current	SF 9.6-8.8 A	Speed	3450 rpm
Service Factor	1.47	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	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	1/2 Threaded	Overall Length	13.90 in
Frame Length	9.50 in	Shaft Diameter	0.625 in
Shaft Extension	0.91 in		
Outline Drawing	B2842-S01	Connection Drawing	17536730.PCX

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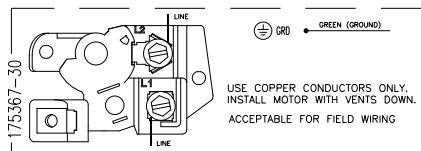


NAMEPLATE DATA

EXTERNAL CONNECTION DIAGRAM

NOTES

MODEL: 196256
CUST PN: B2842
HP: 1.5 SF: 1.47
ROT: CCWPE
RPM: 3450
TYPE: CX CODE: H
FORM: FRAME: Y 56 Y
VOLTS: 208-230
AMPS:
MAX AMPS:
SF AMPS: 9.6-8.8
PH: 1 HZ: 60
INS: F AMB: 50°C
DUTY: CONT
ENCLOSURE: DP
THERMALLY PROTECTED



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: B842.
6. CTQ REQUIREMENT SEE EP000105-008
7. RoHS & REACH ETC REQUIREMENT SEE EP000014

PERFORMANCE
CURVEAPPROVED
SAMPLE

17108511

0601043

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
F
ECO
ECO DESCRIPTION
CONSOLIDATED NAMEPLATE

REVISION BY
MINJING JIANG
APPROVED BY
TRISTIA ZHAO

DATE
04-11-2022
DATE
04-11-2022

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]
INCH/mm
mm SHOWN IN [BRACKETS]

DRAWN BY:
JZ
DATE:
09-21-2010
APPROVED BY:
HJ
DATE:
09-21-2010
REFERENCE

Regal Beloit America, Inc.

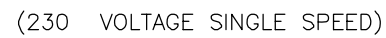
DESCRIPTION
OUTLINE

MATERIAL
PROCESS/FINISH

SIZE DWG NO
C B2842

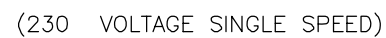
SHEET
1

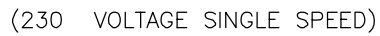
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- 1) DOTTED BOX REPRESENTS TOTAL PRINTED AREA ALLOWED FOR CONNECTION DIAGRAM TO FIT IN (2.13[54.1] X .75[19.0]). SEE NAMEPLATE DRAWING 170500 OR 170501 FOR LOCATION.
- 2) CHARACTERS ARE TO BE A MINIMUM OF .03[.8] TO .06[1.5] MAXIMUM IN HEIGHT
- 3) 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

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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 ±.02 ±.005 ±.0005 毫米 ±0.5 ±0.13 ±0.013 角度 ±.50 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.Zhang 07-15-2011 批准: Hong.Zhu 07-15-2011 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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