

PRODUCT INFORMATION PACKET



Model No: B2977

Catalog No: B2977

Pool Pump Motor, 1.5-.20 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, Y56J Frame, DP



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Nameplate Specifications

Output HP	1.5-.20 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	230 V
Current	SF 8.7-1.9 A	Speed	3450/1725 rpm
Service Factor	1.3	Phase	1
Duty	Continuous	Insulation Class	F
Frame	Y56J	Enclosure	Drip Proof
Thermal Protection	Thermally Protected	Ambient Temperature	50 °C
UL	Recognized	CSA	Y
Number of Speeds	2-2-VT		

Technical Specifications

Electrical Type	Psc Low Speed, Cap Start/Cap Run High Speed	Poles	2/4
Rotation	Clockwise	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	7/16 Threaded	Overall Length	13.05 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.57 in		
Connection Drawing	D0000026-001.PCX	Outline Drawing	B2977-S01

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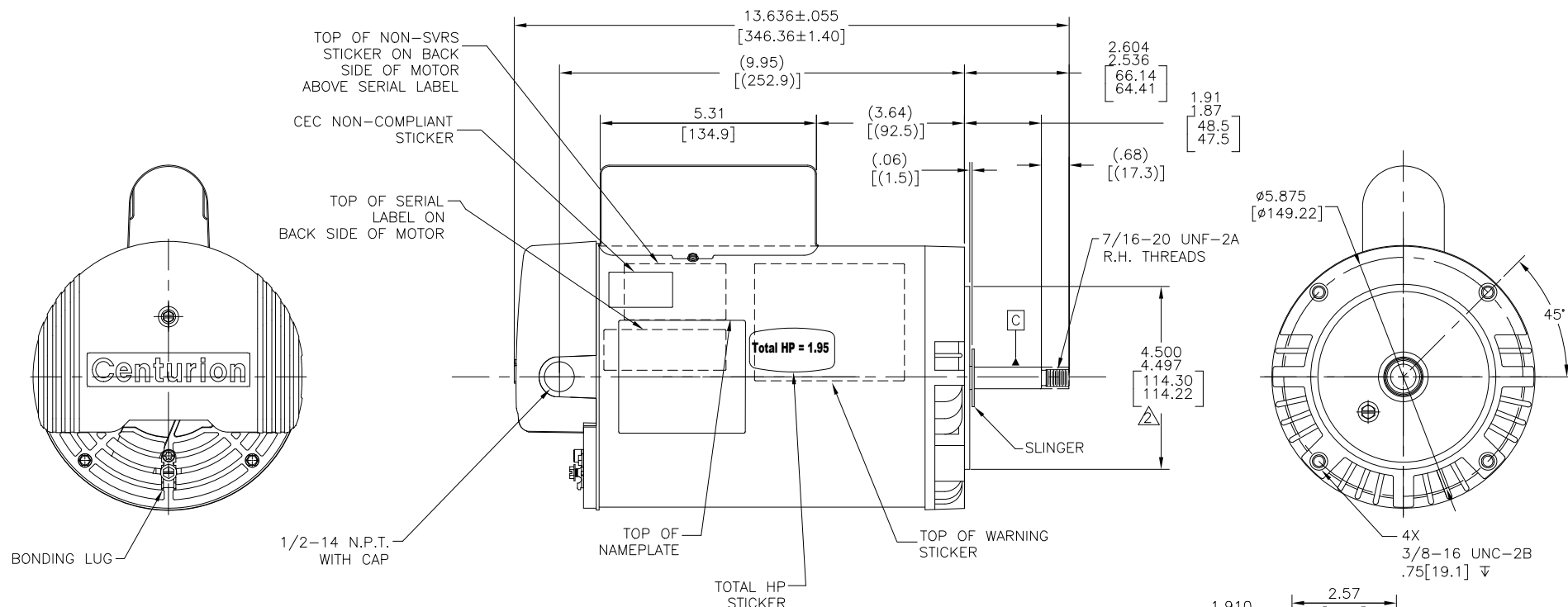
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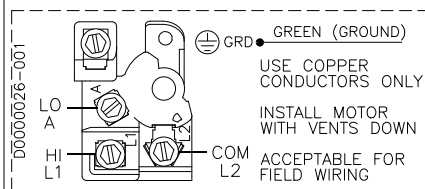
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NAMEPLATE DATA

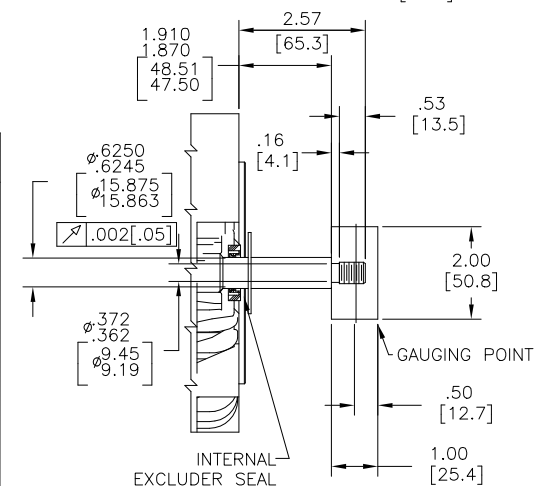
MODEL: K56AB45A01
 CUST PN: B2977
 HP: 1.5-.20 SF: 1.3
 ROT: CWLE
 RPM: 3450/1725
 TYPE: CXCP CODE: E
 FORM: KJM FRAME: Y56J
 VOLTS: 230
 AMPS: 7-1.7
 MAX AMPS:
 SF AMPS: 8.7-1.9
 PH: 1 HZ: 60
 INS: F AMB: 50°C
 DUTY: CONT
 ENCLOSURE: ODP
 THERMALLY PROTECTED

EXTERNAL CONNECTION DIAGRAM



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. 1.95 SF HP



PERFORMANCE CURVE

APPROVED SAMPLE

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 .XX .XXX .XXXX
 mm ±0.5 ±0.13 ±0.05 ±0.005
 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:

MEO

12-13-2012

APPD:

12-13-2012

12-13-2012

THIRD ANGLE PROJECTION

EDS DATE 11-11-2011
FORMAT REV H

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REGAL REGAL-BELOIT CORPORATION

DESCRIPTION

MODEL-PFHP-56FR
OUTLINE

SIZE

C

DWG NO

B2977

SCALE

NONE

SHEET

1

4

3

2

1