

# PRODUCT INFORMATION PACKET



Model No: B985  
Catalog No: B985

Pool Pump Motor, 2.0-.33 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, Y56Y Frame, DP



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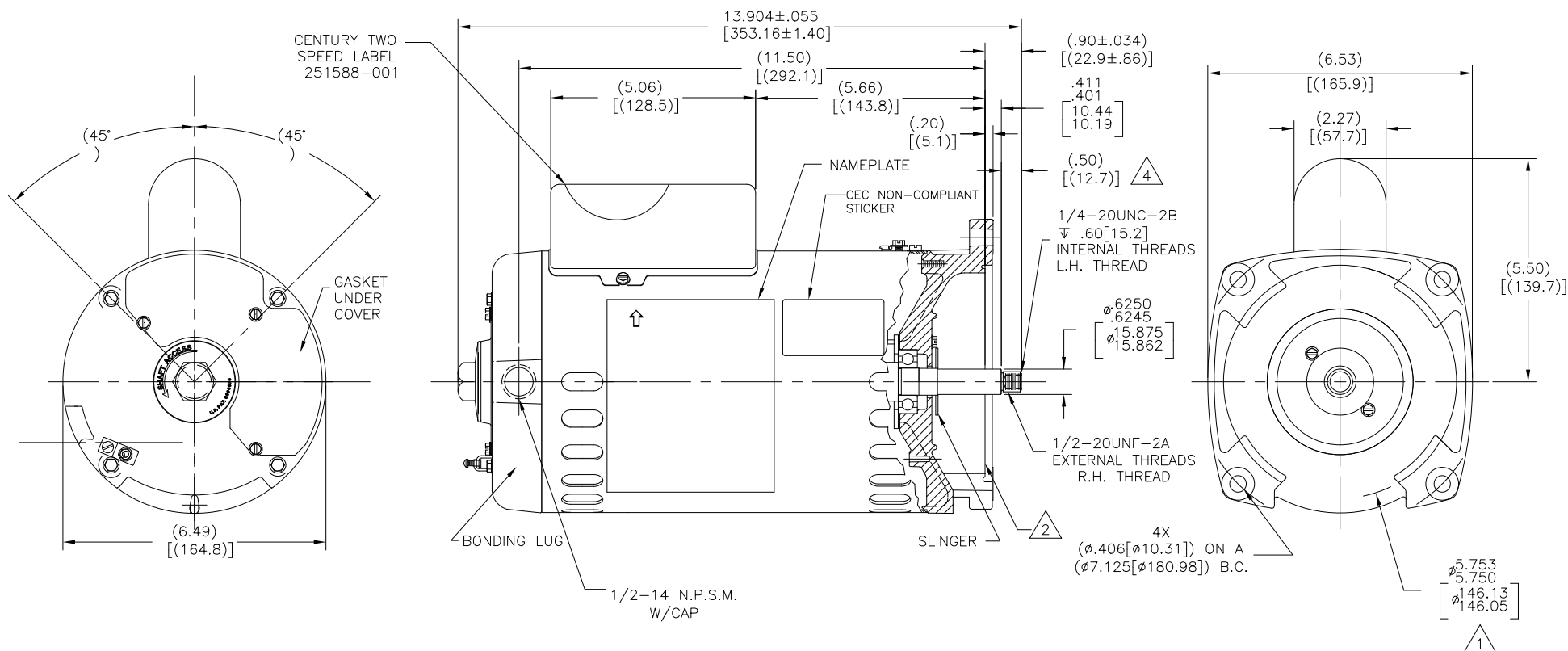
### Nameplate Specifications

|                    |                     |                     |               |
|--------------------|---------------------|---------------------|---------------|
| Phase              | 1                   | Output HP           | 2.0-.33 Hp    |
| Output KW          | 1.5 kW              | Voltage             | 230 V         |
| Speed              | 3450/1725 rpm       | Service Factor      | 1.1           |
| Frame              | Y56Y                | Enclosure           | Drip Proof    |
| Thermal Protection | Thermally Protected | Ambient Temperature | 40 °C         |
| Frequency          | 60 Hz               | Current             | SF 10.0/3.5 A |
| Duty               | Continuous          | Insulation Class    | B             |
| UL                 | Recognized          | CSA                 | Y             |
| Number of Speeds   | 2-2-VT              |                     |               |

### Technical Specifications

|                       |                                                                  |                   |              |
|-----------------------|------------------------------------------------------------------|-------------------|--------------|
| Electrical Type       | Permanent Split Capacitor, High Speed;<br>Split Phase, Low Speed | Poles             | 2/4          |
| 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    | 14.40 in     |
| Frame Length          | 9.50 in                                                          | Shaft Diameter    | 0.625 in     |
| Shaft Extension       | 0.9 in                                                           |                   |              |
| Connection Drawing    | 17888703.PCX                                                     | Outline Drawing   | B985-S01     |

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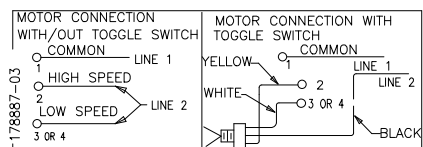


## NAMEPLATE DATA

## EXTERNAL CONNECTION DIAGRAM

## NOTES

MODEL: MODEL  
CUST PN: CUST-PN:  
HP: HP SF: SF  
ROT: ROT  
RPM: RPM  
TYPE: TYPE  
FORM: FORM  
CODE: CODE  
FRAME: FRAME  
VOLTS: VOLTS  
AMPS: AMPS  
MAX AMPS: MAX-AMPS  
SF AMPS: SF-AMPS  
PH: PH HZ: HZ  
INS: INS AMB: AMB  
DUTY: DUTY  
ENCLOSURE: ENCLOSURE  
THERMALLY-PROTECTED



1. PILOT DIAMETER IS CONCENTRIC WITH SHAFT CENTERLINE WITHIN .004 [.10] T.I.R.
2. FACE OF MOUNTING FLANGE IS PERPENDICULAR TO SHAFT CENTERLINE WITHIN .004 [.10] T.I.R.
3. SHAFT RUNOUT NOT TO EXCEED .002 [.05] T.I.R.
4. SPECIAL SHAFT EXTENSION.
5. FOR THREADED SHAFT EXT. MATING PARTS SHOULD BE RELIEVED ONE THREAD TO CLEAR FILLET
6. 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.
7. END PLAY NOT TO EXCEED .010 [.25] MEASURED WITH NO THRUST
8. CTQ REQUIREMENT SEE EP000105-008
9. RoHS & REACH REQUIREMENT SEE EP000014.

PERFORMANCE CURVE

APPROVED SAMPLE

PERFORMANCE-CURVE

APPROVED-SAMPLE

UL COMPONENT

CSA

FILE#

CCN#

FILE#

GUIDE#

FILE#

CCN#

FILE#

GUIDE#

CUSTOMER

CUSTOMER

CRITICAL TO QUALITY CHARACTERISTICS (CTQs)

PROCESS

ENGINEERING

APPLICATION

REGULATORY

LIFE

DRAWING REVISION

REVISION BY

DATE

ECO

APPROVED BY

ECO DESCRIPTION

SEE ECO

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TOLERANCES UNLESS OTHERWISE SPECIFIED

DEC. INCH mm ANGLE

.X  $\pm 0.1$  ( $\pm 3$ )  $\pm 0.5^\circ$

.XX  $\pm 0.02$  ( $\pm 0.5$ )

.XXX  $\pm 0.005$  ( $\pm 0.13$ )

XXXX  $\pm 0.0005$  ( $\pm 0.013$ )

REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.08/.38)

CORNER FILLETS .02 (.5)

MACHINED SURFACES  $\frac{125}{\text{INCH}} \sqrt{\text{mm}}$   $\frac{32}{\text{mm}}$

mm SHOWN IN [BRACKETS]

DRAWN BY:

GRW

DATE:

10-19-1988

APPROVED BY:

DATE:

REFERENCE

THIRD ANGLE PROJECTION

Regal Beloit America, Inc.

MODEL-PFHP-56FR

OUTLINE

MATERIAL

PROCESS/FINISH

SIZE DWG NO

B985

SHEET 1