

# PRODUCT INFORMATION PACKET



Model No: B813

Catalog No: B813

Air Compressor Motor, 5.0 HP, 1 Ph, 60 Hz, 230 V, 3600 RPM, Y56HZ Frame, DP



Regal and Century are trademarks of Regal Rexnord Corporation or one of its affiliated companies.  
©2026 Regal Rexnord Corporation, All Rights Reserved. MC017097E





### Nameplate Specifications

|                    |                     |                     |            |
|--------------------|---------------------|---------------------|------------|
| Phase              | 1                   | Output HP           | 5.0 Hp     |
| Output KW          | 3.7 kW              | Voltage             | 230 V      |
| Speed              | 3450 rpm            | Service Factor      | 1.00       |
| Frame              | Y56HZ               | Enclosure           | Drip Proof |
| Thermal Protection | Thermally Protected | Ambient Temperature | 40 °C      |
| Frequency          | 60 Hz               | Current             | 22.0 A     |
| Duty               | Continuous          | Insulation Class    | B          |
| UL                 | Recognized          | CSA                 | Y          |
| CE                 | N                   | Number of Speeds    | 1          |

### Technical Specifications

|                       |                                                        |                    |                 |
|-----------------------|--------------------------------------------------------|--------------------|-----------------|
| Electrical Type       | Capacitor Start, Capacitor Run, Single Or Dual Voltage | Starting Method    | Across The Line |
| Poles                 | 2                                                      | Rotation           | Clockwise       |
| Mounting              | Rigid Base                                             | Drive End Bearing  | Ball            |
| Opp Drive End Bearing | Ball                                                   | Frame Material     | Rolled Steel    |
| Shaft Type            | Keyed                                                  | Overall Length     | 14.06 in        |
| Frame Length          | 8.25 in                                                | Shaft Diameter     | 0.875 in        |
| Shaft Extension       | 2.31 in                                                |                    |                 |
| Outline Drawing       | B813-S01                                               | Connection Drawing | 17050306.PCX    |

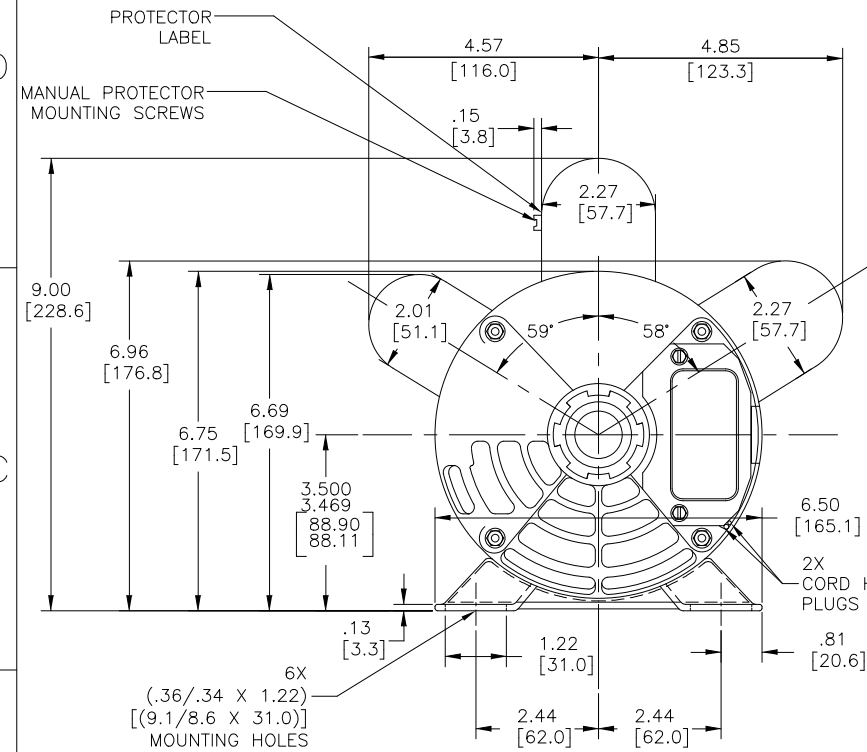
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:07/18/2026

D

C

B

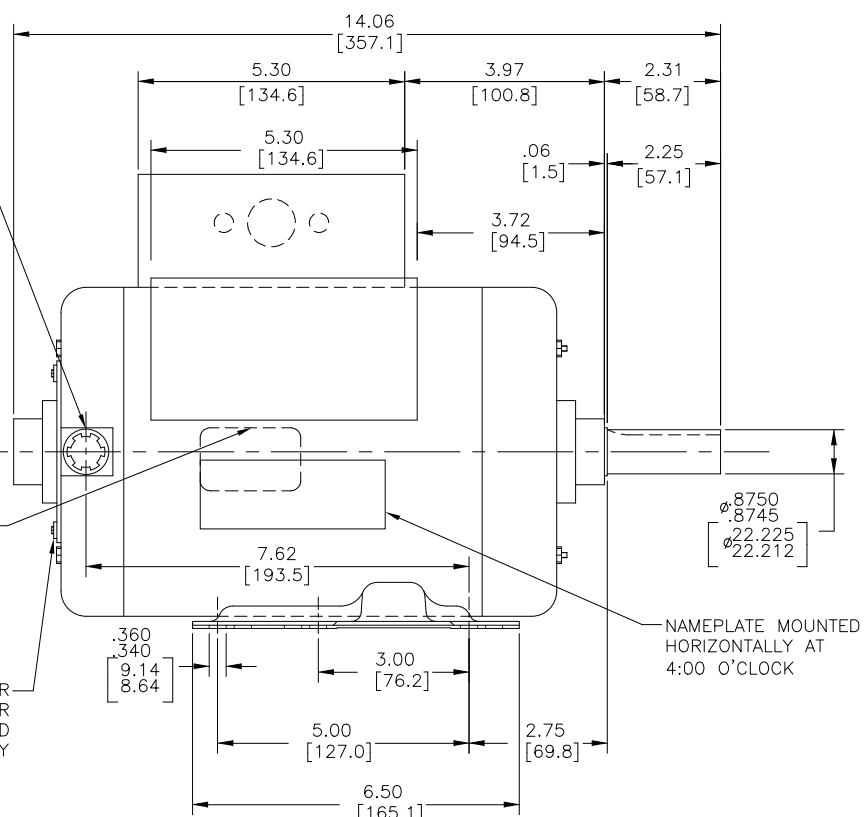
A



1/2-14 NPSM WITH CAP

TOP OF FRENCH WARNING LABEL

GASKET UNDER COVER FOR ENCLOSED MOTORS ONLY



| NAMEPLATE DATA                                                                                                                                                                                                                                            | EXTERNAL CONNECTION DIAGRAM                            | NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| MODEL: 16462100<br>CUST PN: B813<br>HP: 5.0 SF: 1.0<br>ROT: CW<br>RPM: 3450<br>TYPE: CP<br>FORM: ---<br>VOLTS: 230<br>AMPS: 22.0<br>MAX AMPS: ---<br>SF AMPS: ---<br>PH: 1 HZ: 60<br>INS: B AMB: 40<br>DUTY: CONT<br>ENCLOSURE: DP<br>THERMALLY PROTECTED | 170503-06<br>○ LINE NON REVERSIBLE<br>2<br>○ LINE<br>4 | 1. FOR THREADED SHAFT EXTENSION ECCENTRICITY OF THREADED PORTION OF SHAFT IS HELD WITHIN .004[.10] TOTAL GAGE READING WITH THE INDICATOR ON OUTSIDE DIAMETER OF GROUND RING GAGE AS SHOWN. THE GAGE BEING STATIONARY WITH RESPECT TO THE ROTOR.<br>2. END PLAY NOT TO EXCEED .010[.25] MEASURED WITH NO THRUST.<br>3. ALL DIMENSIONS SHOWN IN PARENTHESIS ARE REFERENCE DIMENSIONS.<br>4. FINISH PAINT TO BE BLACK.<br>5. REFERENCE MODEL: B813<br>6. CTQ REQUIREMENT SEE EP000105-008.<br>7. RoHS & REACH REQUIREMENT SEE EP000014. |

|          |                   |              |                 |         |
|----------|-------------------|--------------|-----------------|---------|
| A        | PERFORMANCE CURVE |              | APPROVED SAMPLE |         |
|          | 16331811          |              | ---             |         |
|          | UL COMPONENT      |              | CSA             |         |
|          | FILE#             | CCN#         | FILE#           | GUIDE#  |
|          | E14663            | XEWR2        | LR4642          | 4211-01 |
| CUSTOMER |                   | DISTRIBUTION |                 |         |

|                                           |                  |               |            |                                                     |                        |                            |
|-------------------------------------------|------------------|---------------|------------|-----------------------------------------------------|------------------------|----------------------------|
| CRITICAL TO QUALITY CHARACTERISTICS(CTQs) | DRAWING REVISION | REVISION BY   | DATE       | TOLERANCES UNLESS OTHERWISE SPECIFIED               | DRAWN BY:              | Regal Beloit America, Inc. |
| (P) PROCESS                               | J                | MINJING JIANG | 05-13-2026 | DEC. INCH (±.3) ANGLE                               | MH                     |                            |
| (E) ENGINEERING                           | ECR-0251391      | TRISTIA ZHAO  | 05-13-2026 | .X ±.01                                             | DATE: 08-18-2008       |                            |
| (A) APPLICATION                           | ECO DESCRIPTION  | SEE ECR       |            | .XX ±.02 (±0.5)                                     | APPROVED BY:           |                            |
| (R) REGULATORY                            |                  |               |            | .XXX ±.0005 (±0.13)                                 | HY                     | DESCRIPTION                |
| (L) LIFE                                  |                  |               |            | .XXXX ±.00005 (±0.013)                              | DATE: 08-18-2009       | MODEL-CFHP-56FR            |
|                                           |                  |               |            | REMOVE BURRS & BREAK SHARP EDGES .003/.015 (.08.38) | REFERENCE              | OUTLINE                    |
|                                           |                  |               |            | CORNER FILLETS .02 (.5)                             | MATERIAL               | PROCESS/FINISH             |
|                                           |                  |               |            | MACHINED SURFACES .125 INCH/3.175 mm                | THIRD ANGLE PROJECTION | SIZE DWG NO                |
|                                           |                  |               |            | mm SHOWN IN [BRACKETS]                              |                        | B813                       |
|                                           |                  |               |            |                                                     |                        | SHEET 1                    |