

# PRODUCT INFORMATION PACKET



Model No: 184TTFBD7242  
Catalog No: Y012  
3/1.5,1800/900,184T,TEFC,3/60/460

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## Nameplate Specifications

## Technical Specifications

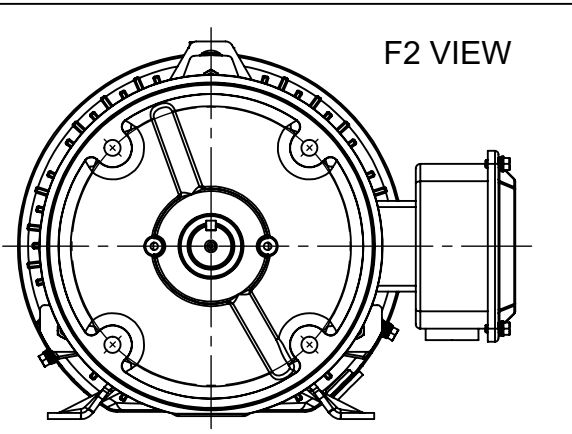
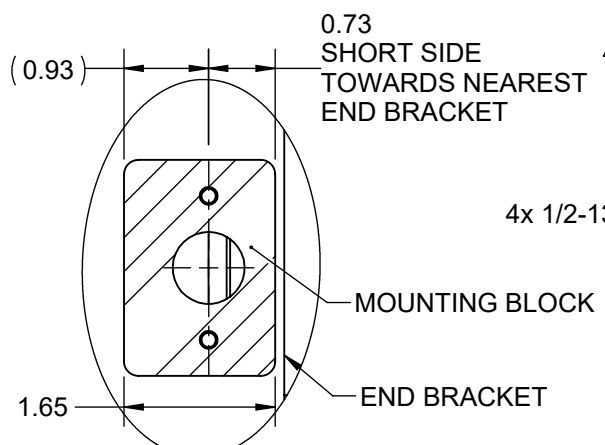
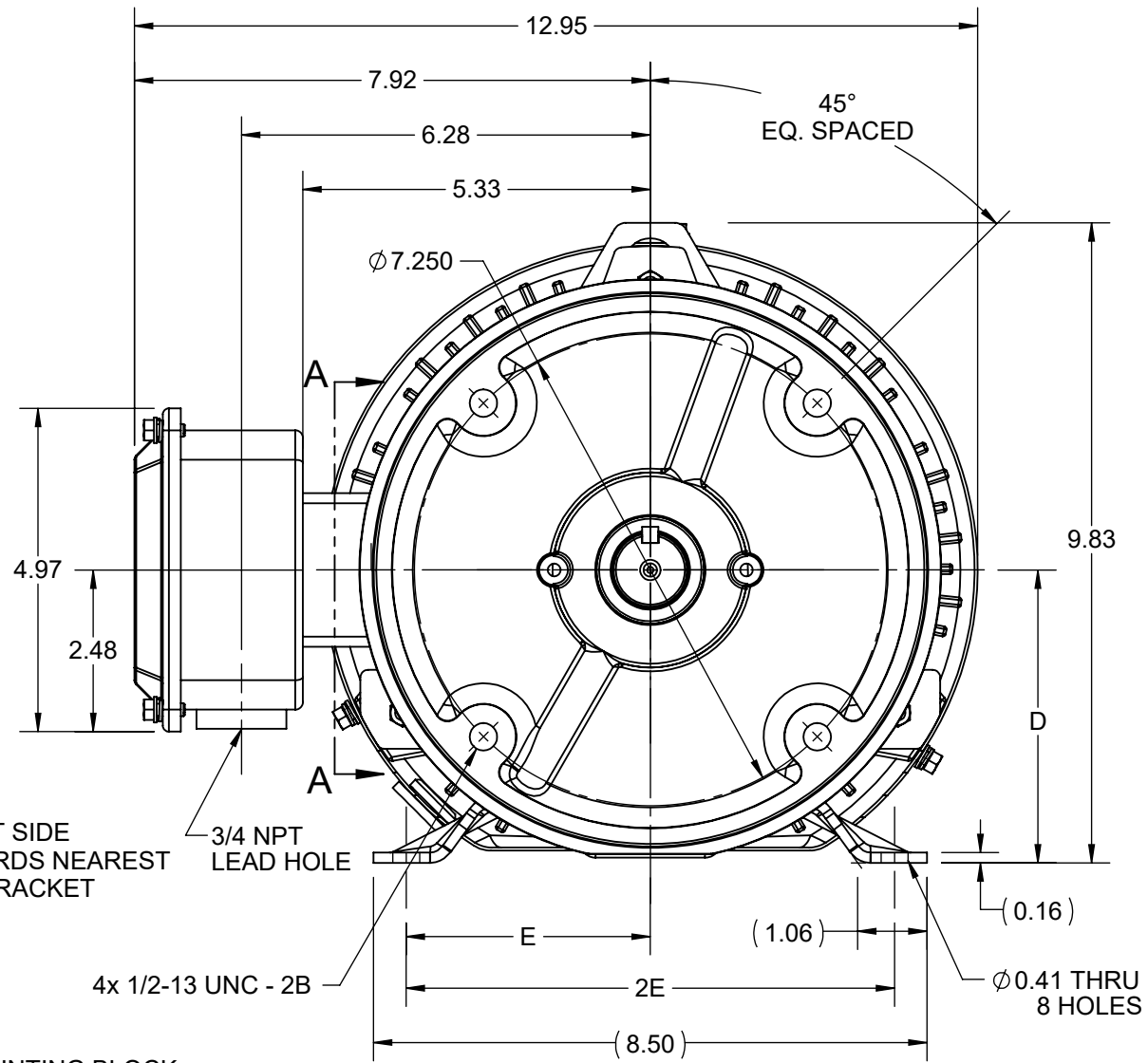
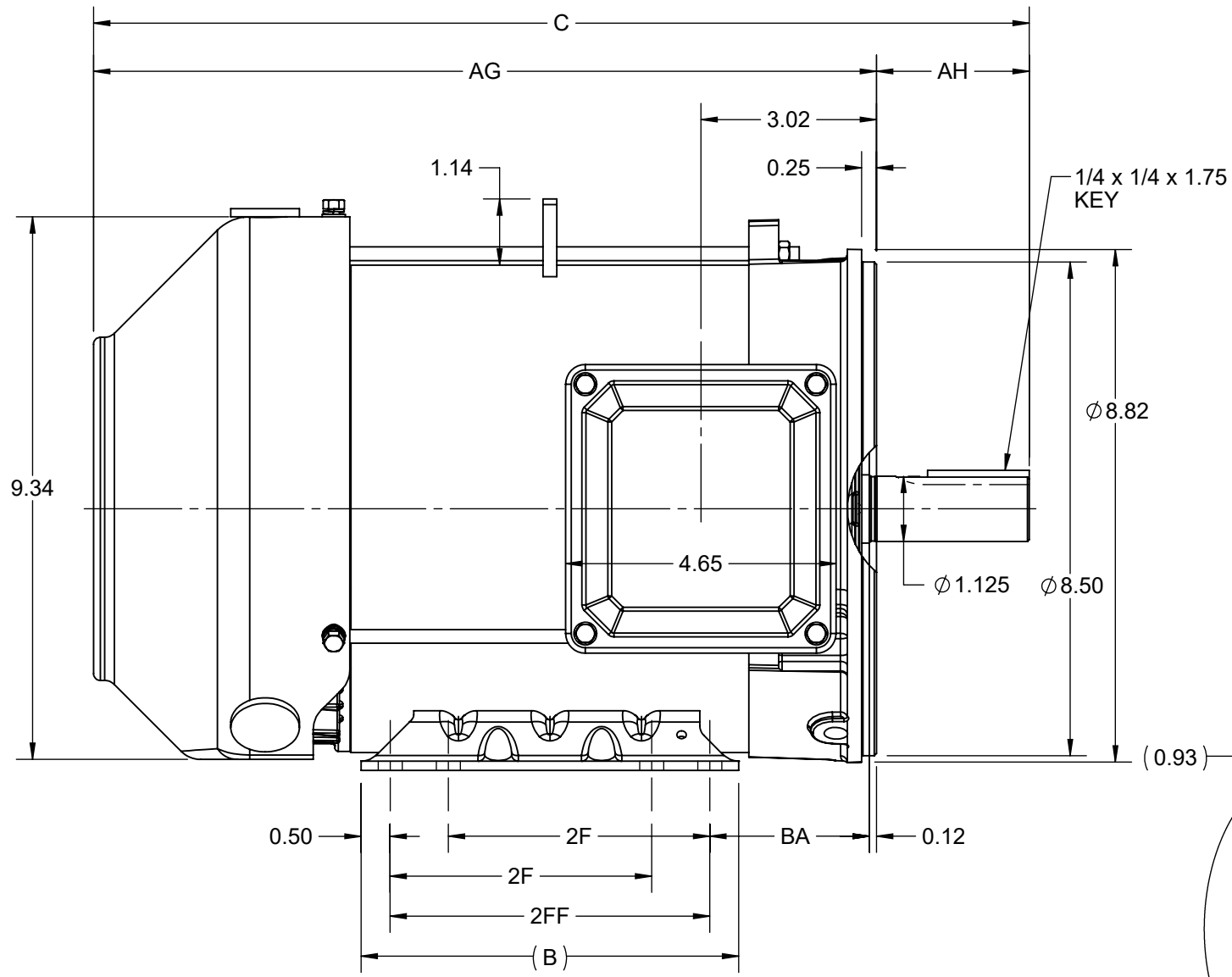
Outline Drawing

SS600226-200

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| 4        |      |       |      | 3    |      |      |      | 2     |      |      |          | 1     |
|----------|------|-------|------|------|------|------|------|-------|------|------|----------|-------|
| DASH NO. | B    | C     | D    | E    | 2E   | 2F   | 2FF  | AG    | AH   | BA   | MOUNTING | FRAME |
| 100      | 6.50 | 15.10 | 4.50 | 3.75 | 7.50 | 4.50 | 5.50 | 12.48 | 2.62 | 2.75 | F1 OR F2 | 182TC |
| 200      |      | 16.10 |      |      |      |      |      | 13.48 |      |      |          | 184TC |



**SECTION A-A  
MOUNTING BLOCK  
ORIENTATION**

|   |                    |                               |
|---|--------------------|-------------------------------|
| DRAWING REVISION<br>A   | REVISION BY<br>RAM | REV DATE/© DATE<br>22/08/2022 |
| REQUEST NUMBER<br>CR-0010970  | APPROVED BY<br>SBD | DATE<br>22/08/2022            |
| REQUEST NUMBER DESCRIPTION<br><b>NEW DRAWING RELEASE</b>  |                    |                               |
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

|                        |   |
|------------------------|---|
| DRAWN BY<br>RAM        | <br>Regal Beloit America, Inc.  |
| DATE<br>22/08/2022     |   |
| APPROVED BY<br>SBD     | DESCRIPTION<br><b>OUTLINE</b><br>182/184TC FR NEMA TEFC RS C-FACE KIT |
| DATE<br>22/08/2022     | MATERIAL<br>PROCESS/FINISH  |
| REFERENCE<br>SS600226  | SIZE<br><b>B</b>  |
| THIRD ANGLE PROJECTION | DRAWING NUMBER<br><b>SS600226A</b>                                    |
|                        | SHEET<br>1 OF 1   |

Data Sheet

Date: 8/30/2024  
 Customer: \_\_\_\_\_  
 Attention: \_\_\_\_\_  
 Submitted by: VESHNU G



184TTFBD7242

Submittal

Data @ 460 V

Motor Load Data

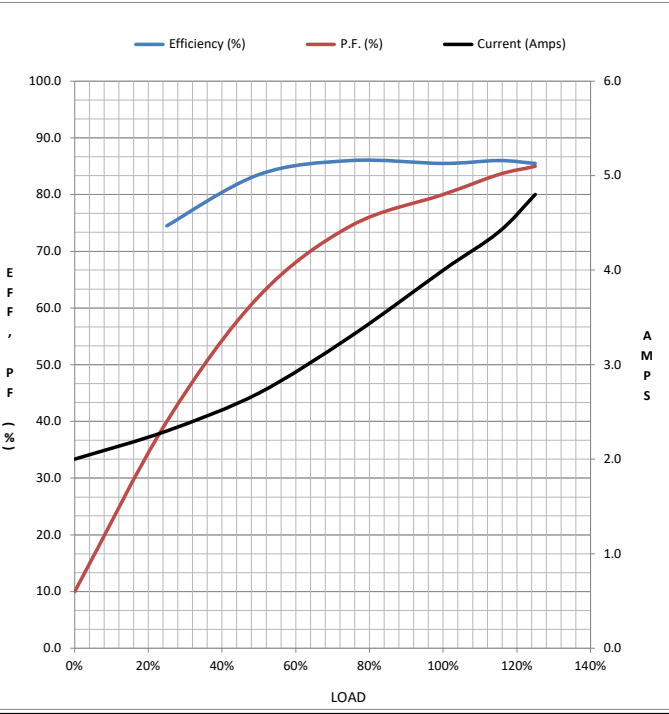
| Load           | 0%   | 25%  | 50%  | 75%  | 100% | 115%  | 125% | LR   |
|----------------|------|------|------|------|------|-------|------|------|
| Current (Amps) | 2.00 | 2.30 | 2.70 | 3.3  | 4.0  | 4.4   | 4.8  | 31.5 |
| Torque(ft-lb)  | 0.00 | 2.20 | 4.4  | 6.7  | 9.0  | 10.4  | 11.1 | 15.3 |
| RPM            | 1800 | 1792 | 1785 | 1778 | 1768 | 1,765 | 1760 | 0    |
| Efficiency (%) |      | 74.5 | 83.5 | 86.0 | 85.5 | 86.0  | 85.5 |      |
| P.F. (%)       | 10.0 | 40.0 | 62.0 | 74.5 | 80.0 | 83.5  | 85.0 | 54   |

Motor Speed Data

|                | LR   | Pull-Up | BD   | Rated | Idle |
|----------------|------|---------|------|-------|------|
| Speed (RPM)    | 0    | 884     | 1560 | 1768  | 1800 |
| Current (Amps) | 31.5 | 28.4    | 17.0 | 4.0   | 2.00 |
| Torque(ft-lb)  | 15.3 | 13.0    | 27.0 | 9.0   | 0.00 |

Information Block

|                             |                         |        |        |          |
|-----------------------------|-------------------------|--------|--------|----------|
| HP                          | 3.0                     |        |        |          |
| Sync. RPM                   | 1800                    |        |        |          |
| Frame                       | 184                     |        |        |          |
| Enclosure                   | TEFC                    |        |        |          |
| Construction                | TFC                     |        |        |          |
| Voltage                     | 460 V                   |        |        |          |
| Frequency                   | 60 Hz                   |        |        |          |
| Design                      | 1CT                     |        |        |          |
| LR Code letter              | K                       |        |        |          |
| Service Factor              | 1.15                    |        |        |          |
| Temp Rise @ FL              | 60 °C                   |        |        |          |
| Duty                        | CONT                    |        |        |          |
| Ambient                     | 40 °C                   |        |        |          |
| Elevation                   | 3,300 feet              |        |        |          |
| Rotor/Shaft wk <sup>2</sup> | 0.00 Lb-FT <sup>2</sup> |        |        |          |
| Ref Wdg                     | HA3112(4-8)09 HS        |        |        |          |
| Sound Pressure @ 1M         | 999 dBA                 |        |        |          |
| VFD Rating                  | NA                      |        |        |          |
| Outline Dwg                 | 0                       |        |        |          |
| Conn. Diag                  | 0                       |        |        |          |
| Additional Specifications:  |                         |        |        |          |
| 0                           |                         |        |        |          |
| 0                           |                         |        |        |          |
| 0                           |                         |        |        |          |
| 0                           |                         |        |        |          |
| EQUIV CKT (OHMS / PHASE)    |                         |        |        |          |
| R1                          | R2                      | X1     | X2     | Xm       |
| 3.4980                      | 1.2290                  | 4.8026 | 5.1335 | 121.3894 |



Speed - Torque Curve

