

# PRODUCT INFORMATION PACKET



Model No: B194313.00

Catalog No: B194313.00

..30HP..1800RPM.286TS.TEFC.230/460V.3PH.60HZ.CONT.40C.1.15SF.RIGID.....GENERAL PURPOSE.....

Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





### Nameplate Specifications

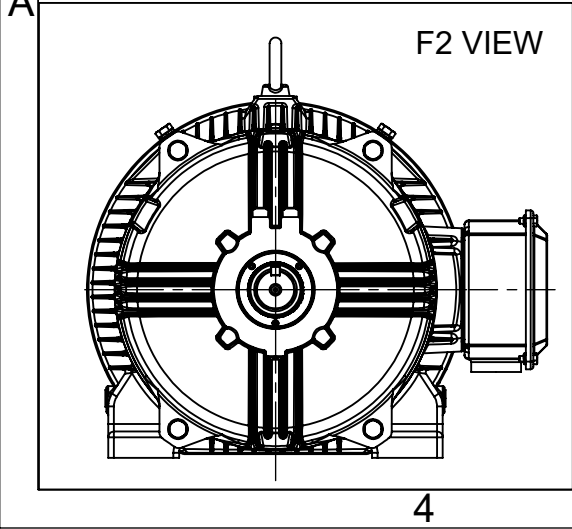
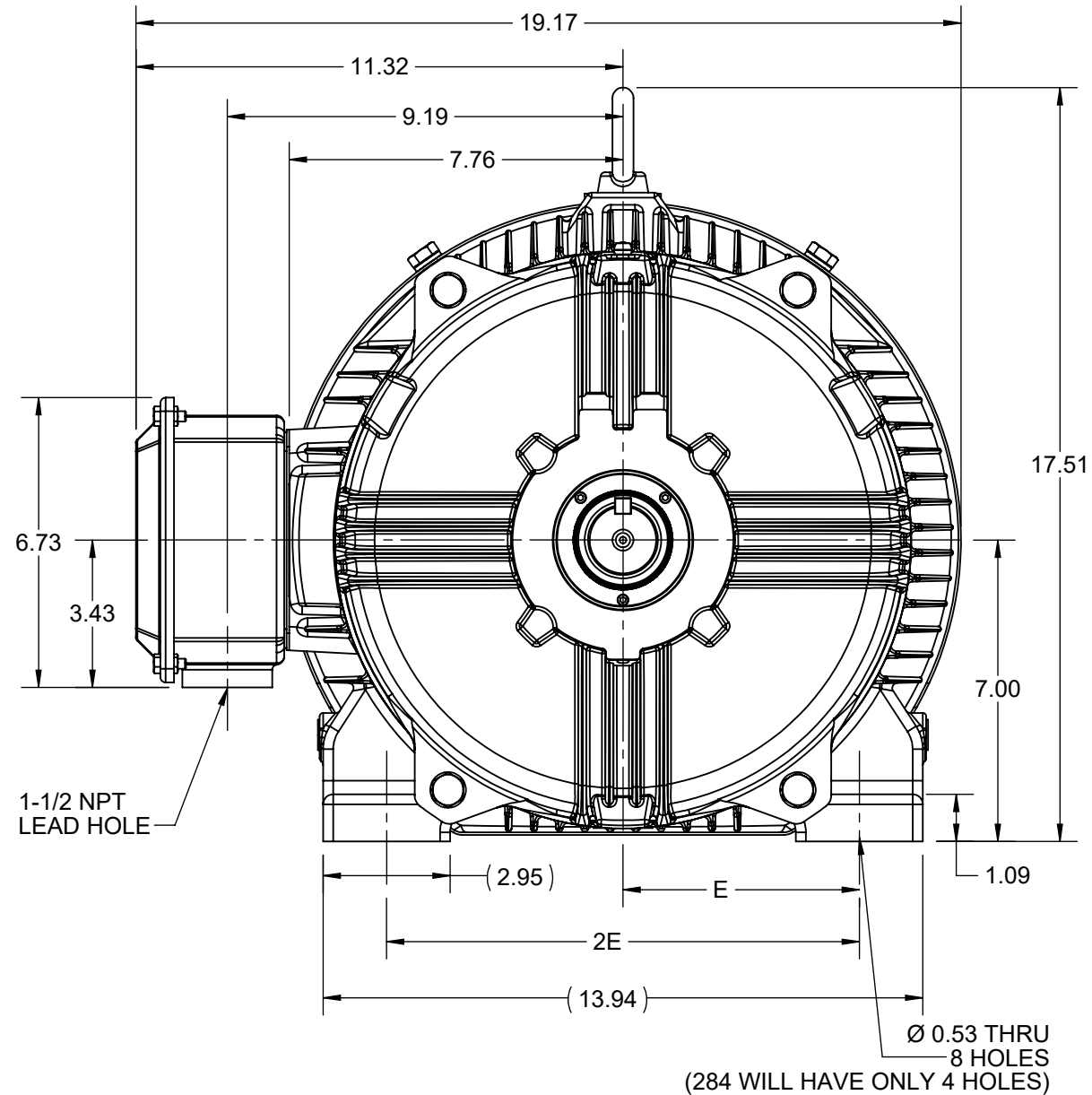
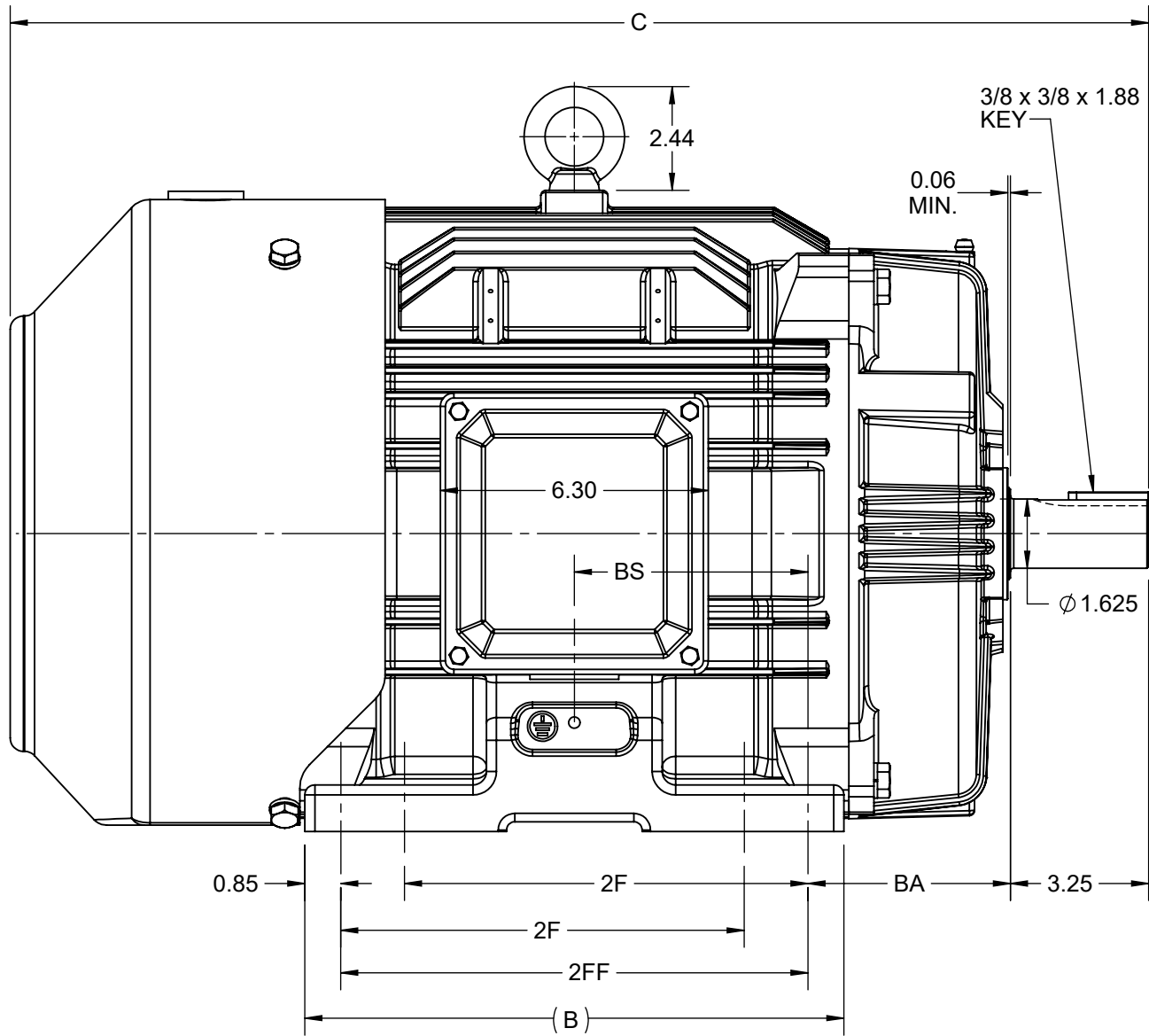
|                        |                       |                            |                             |
|------------------------|-----------------------|----------------------------|-----------------------------|
| Phase                  | 3                     | Output HP                  | 30 & 25 Hp                  |
| Output KW              | 22.4 & 18.7 kW        | Voltage                    | 230/460 & 190/380 V         |
| Speed                  | 1775 & 1475 rpm       | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 286TS                 | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection         | Efficiency                 | 93.6 & 93 %                 |
| Ambient Temperature    | 40 °C                 | Frequency                  | 60 & 50 Hz                  |
| Current                | 72.5/36.5 & 73/36.5 A | Power Factor               | 83                          |
| Duty                   | Continuous            | Insulation Class           | F                           |
| Design Code            | B                     | KVA Code                   | G                           |
| Drive End Bearing Size | 6311                  | Opp Drive End Bearing Size | 6211                        |
| UL                     | Listed                | CSA                        | Y                           |
| CE                     | Y                     | IP Code                    | 55                          |
| Number of Speeds       | 1                     | Hazardous Location         | DIVISION 2 T2B              |

### Technical Specifications

|                       |                              |                       |                                 |
|-----------------------|------------------------------|-----------------------|---------------------------------|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method       | Wye Start Delta Run Or Inverter |
| Poles                 | 4                            | Rotation              | Reversible                      |
| Resistance Main       | .2455 Ohms                   | Mounting              | Rigid Base                      |
| Motor Orientation     | Horizontal                   | Drive End Bearing     | Ball                            |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron                       |
| Shaft Type            | TS                           | Assembly/Box Mounting | F1/F2 CAPABLE                   |
| Inverter Load         | CONSTANT 10:1/VARIABLE 10:1  |                       |                                 |
| Outline Drawing       | SS620698-286                 | Connection Drawing    | EE7308AA                        |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/22/2023

| 4        |       |       |      |       | 3    |       |      |      |          | 2        | 1 |
|----------|-------|-------|------|-------|------|-------|------|------|----------|----------|---|
| DASH NO. | B     | C     | E    | 2E    | 2F   | 2FF   | BA   | BS   | MOUNTING | FRAME    |   |
| 100      | 10.83 | 25.28 | 5.50 | 11.00 | ---  | 9.50  | 4.75 | 4.75 | F1 OR F2 | 284T     |   |
| 200      | 12.68 | 26.78 |      |       | 9.50 | 11.00 |      | 5.50 |          | 284/286T |   |



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                    |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------------------|
| DRAWING REVISION<br>C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | REVISION BY<br>VS  | REV DATE/© DATE<br>30-10-2020 |
| ECO<br>CR-0000305                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | APPROVED BY<br>GNK | DATE<br>30-10-2020            |
| ECO DESCRIPTION<br><b>DRAWING UPDATED</b><br>COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. |                    |                               |

PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

|                           |                                                                                                                  |                            |
|---------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------|
| DRAWN BY<br>SMAR          |  Regal Beloit America, Inc. |                            |
| DATE<br>07/07/2015        |                                                                                                                  |                            |
| APPROVED BY<br>SBD        | DESCRIPTION<br><b>OUTLINE</b><br>284/286TS FR-TEFC-CAST IRON                                                     |                            |
| DATE<br>07/07/2015        | MATERIAL                                                                                                         | PROCESS/FINISH             |
| REFERENCE                 | SIZE<br>B                                                                                                        | DRAWING NUMBER<br>SS620698 |
| THIRD ANGLE<br>PROJECTION | SHEET<br>1 OF 1                                                                                                  |                            |



## LOW VOLTAGE



## HIGH VOLTAGE



VIEW OF TERMINAL END

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                       |                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------|
| DRAWING REVISION<br>K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | REVISION BY<br>AJW    | DATE<br>07-17-2015 |
| ECO<br>ECO-0081632                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | APPROVED BY<br>T. VUE | DATE<br>07-17-2015 |
| ECO DESCRIPTION<br>REV'D IEC MARKINGS PER IEC 60034-8                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                       |                    |
| COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED.<br>PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF<br>REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY<br>INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED,<br>BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED<br>TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT<br>AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL<br>BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN<br>RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. |                       |                    |

|                           |
|---------------------------|
| DRAWN BY<br>LZ            |
| DATE<br>01-12-1994        |
| APPROVED BY<br>GK         |
| DATE<br>01-14-1994        |
| REFERENCE                 |
| THIRD ANGLE<br>PROJECTION |

|                                                                                                                  |                                   |                 |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------|-----------------|
|  Regal Beloit America, Inc. |                                   |                 |
| DESCRIPTION<br><b>CONN DIAGRAM-EXTERNAL</b><br>3Ø-2/1 DELTA-12 LEADS                                             |                                   |                 |
| MATERIAL                                                                                                         | PROCESS/FINISH                    |                 |
| SIZE<br>A                                                                                                        | DRAWING NUMBER<br><b>EE7308AA</b> | SHEET<br>1 OF 1 |