

# PRODUCT INFORMATION PACKET



Model No: B194320.00  
Catalog No: B194320.00  
OBSOLETE REPLACED BY 445TSTFCD6036

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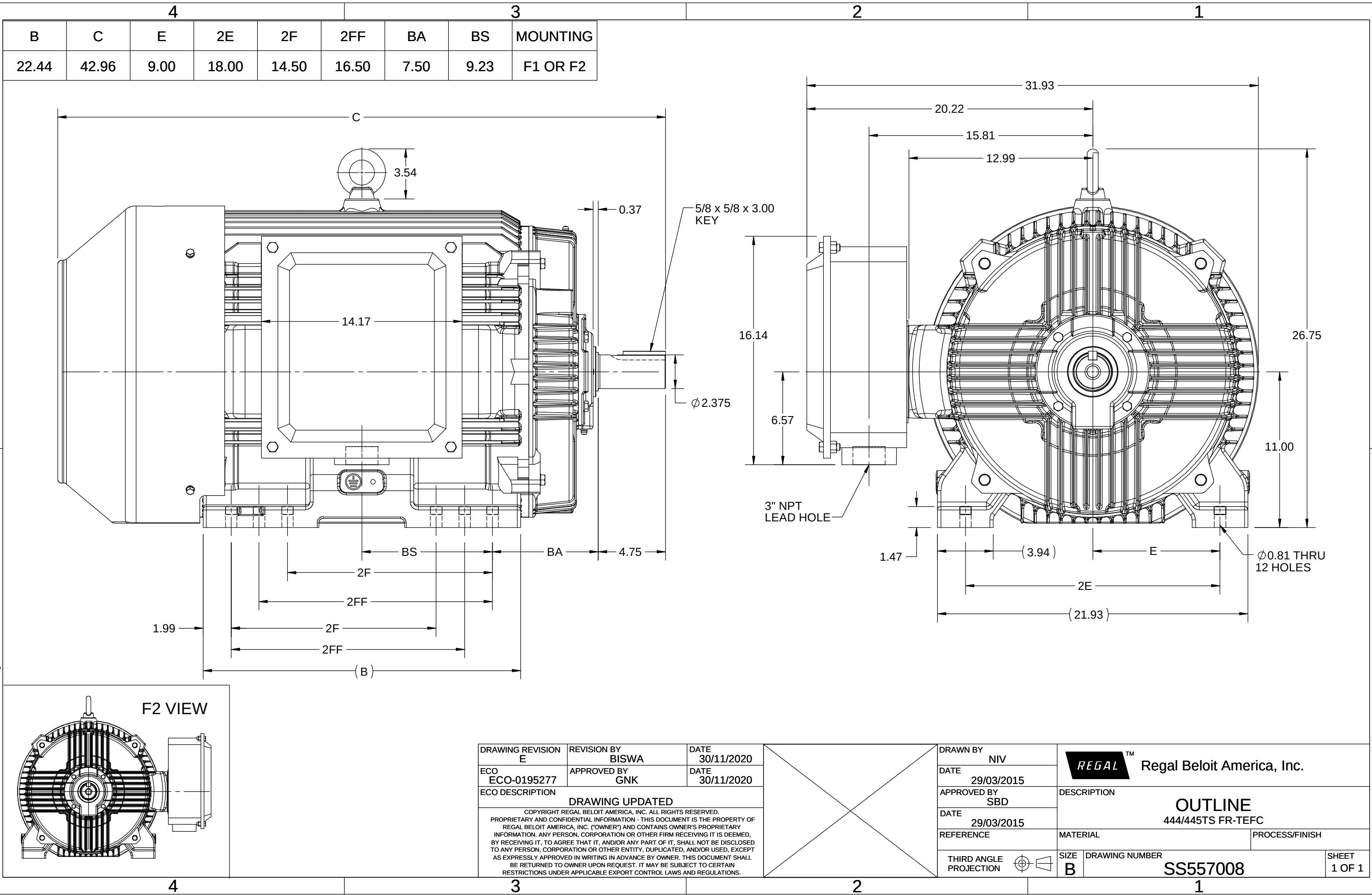
### Nameplate Specifications

|                        |                 |                            |                             |
|------------------------|-----------------|----------------------------|-----------------------------|
| Phase                  | 3               | Output HP                  | 150 & 125 Hp                |
| Output KW              | 112.0 & 93.0 kW | Voltage                    | 460 & 380 V                 |
| Speed                  | 1790 & 1490 rpm | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 445TS           | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection   | Efficiency                 | 95.8 & 95.8 %               |
| Ambient Temperature    | 40 °C           | Frequency                  | 60 & 50 Hz                  |
| Current                | 169 & 169 A     | Power Factor               | 87                          |
| Duty                   | Continuous      | Insulation Class           | F                           |
| Design Code            | B               | KVA Code                   | G                           |
| Drive End Bearing Size | 6319            | Opp Drive End Bearing Size | 6317                        |
| 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       | .0294 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         | VARIABLE 10:1                |                       |                                 |
| Outline Drawing       | SS557008-445                 | Connection Drawing    | EE7341C                         |

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# THREE PHASE – PART WINDING START DELTA – 6 LEADS

## START

CONNECT T1 TO LINE 1  
CONNECT T2 TO LINE 2  
CONNECT T3 TO LINE 3  
T7–T8–T9 OPEN

## RUN

CONNECT T1&T7 TO LINE 1  
CONNECT T2&T8 TO LINE 2  
CONNECT T3&T9 TO LINE 3

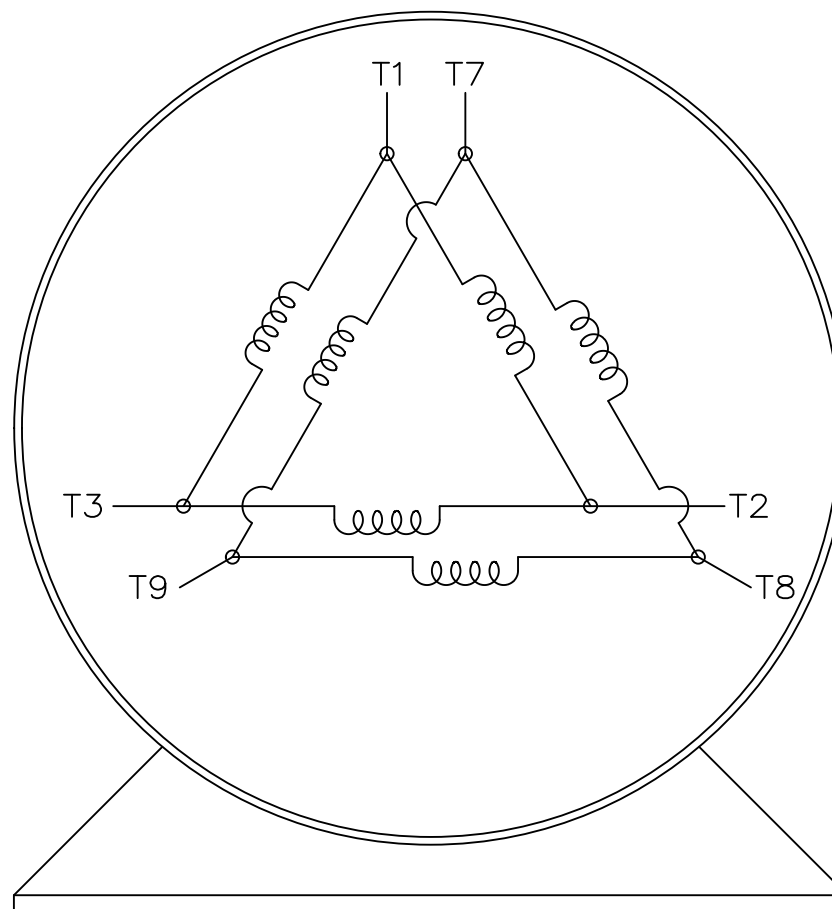
IF MOTOR HAS 2 T'S

## START

CONNECT T1,T1 TO LINE 1  
CONNECT T2,T2 TO LINE 2  
CONNECT T3,T3 TO LINE 3  
T7,T7–T8,T8–T9,T9 OPEN

## RUN

CONNECT T1,T1&T7,T7 TO LINE 1  
CONNECT T2,T2&T8,T8 TO LINE 2  
CONNECT T3,T3&T9,T9 TO LINE 3



VIEW OF TERMINAL END

|     |                                      |                | TOLERANCES<br>UNLESS SPECIFIED |        |  <b>REGAL-BELOIT CORPORATION</b> | DRAWN BLR 03-09-1998     |             |            |
|-----|--------------------------------------|----------------|--------------------------------|--------|-----------------------------------------------------------------------------------------------------------------------|--------------------------|-------------|------------|
|     |                                      |                | DEC.                           | INCHES |                                                                                                                       | CHK                      | ML          | 03-23-1998 |
|     |                                      |                | .X                             | ±      | –                                                                                                                     | APPD                     | GK          | 03-23-1998 |
|     |                                      |                | .XX                            | ±      | –                                                                                                                     | SCALE 1=1                |             |            |
| E   | NOTE ADDED FOR 2 T'S                 | NAR 17-12-2020 | RC                             | .XXX   | ±                                                                                                                     | TITLE CONNECTION DIAGRAM |             |            |
| D   | RE-DRAWN WITH REGAL LOGO ECO-0110493 | WGJ 09-30-2016 | EMH                            | .XXXX  | ±                                                                                                                     | 3ø – 6 LEADS             |             |            |
| NO. | REVISION                             | BY & DATE      | CHK                            | ANG    | ±                                                                                                                     | MAT'L.                   |             |            |
|     |                                      |                |                                |        |                                                                                                                       | FMP                      |             |            |
|     |                                      |                |                                |        |                                                                                                                       | PREV                     |             |            |
|     |                                      |                | RFP                            |        |                                                                                                                       | SIZE                     | DRAWING NO. | PAGE OF    |
|     |                                      |                | DIST                           |        |                                                                                                                       | A                        | EE7341C     | REV. E     |
|     |                                      |                |                                |        |                                                                                                                       | CAD FILE EE7341C         |             |            |

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## EC Declaration of Conformity

The undersigned representing  
the manufacturer:

Regal Beloit America  
100 East Randolph St.  
Wausau, WI 54401

and the authorized representative  
established within the Community:

Marathon Electric UK  
6F Thistleton Road Ind. Estate  
Market Overton  
Oakham, Rutland LE15 7PP UK

are committed to providing customers with products that comply with applicable regulations and international protocols to which they are subject, including the requirements of the European Parliament Directive on the Harmonization of the laws relating to electrical equipment designed for use within certain voltage limits (2014/35/EU).

Regal Beloit America declares that the following product(s), to which this declaration relates, are in conformity with the relevant sections of the EC standards listed below.

This statement supersedes any statements previously issued pertaining to the product(s) listed below and is subject to change without notice.

Model No : B194320.00

(Model No. may contain prefix and/or suffix characters)

Catalog No : B194320.00

Rework No : N/A

Directives :

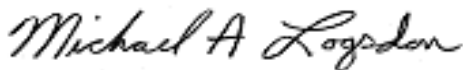
Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010)

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:



Michael A. Logsdon  
Vice President, Technology

Authorized Representative in the Community:



Julian Clark  
Marketing Engineer

Created on 04/11/2023

**CE 23**