

# PRODUCT INFORMATION PACKET



Model No: 286THTNA18612  
Catalog No: 286THTNA18612  
15,900,TENV,286TZ,3/60/460

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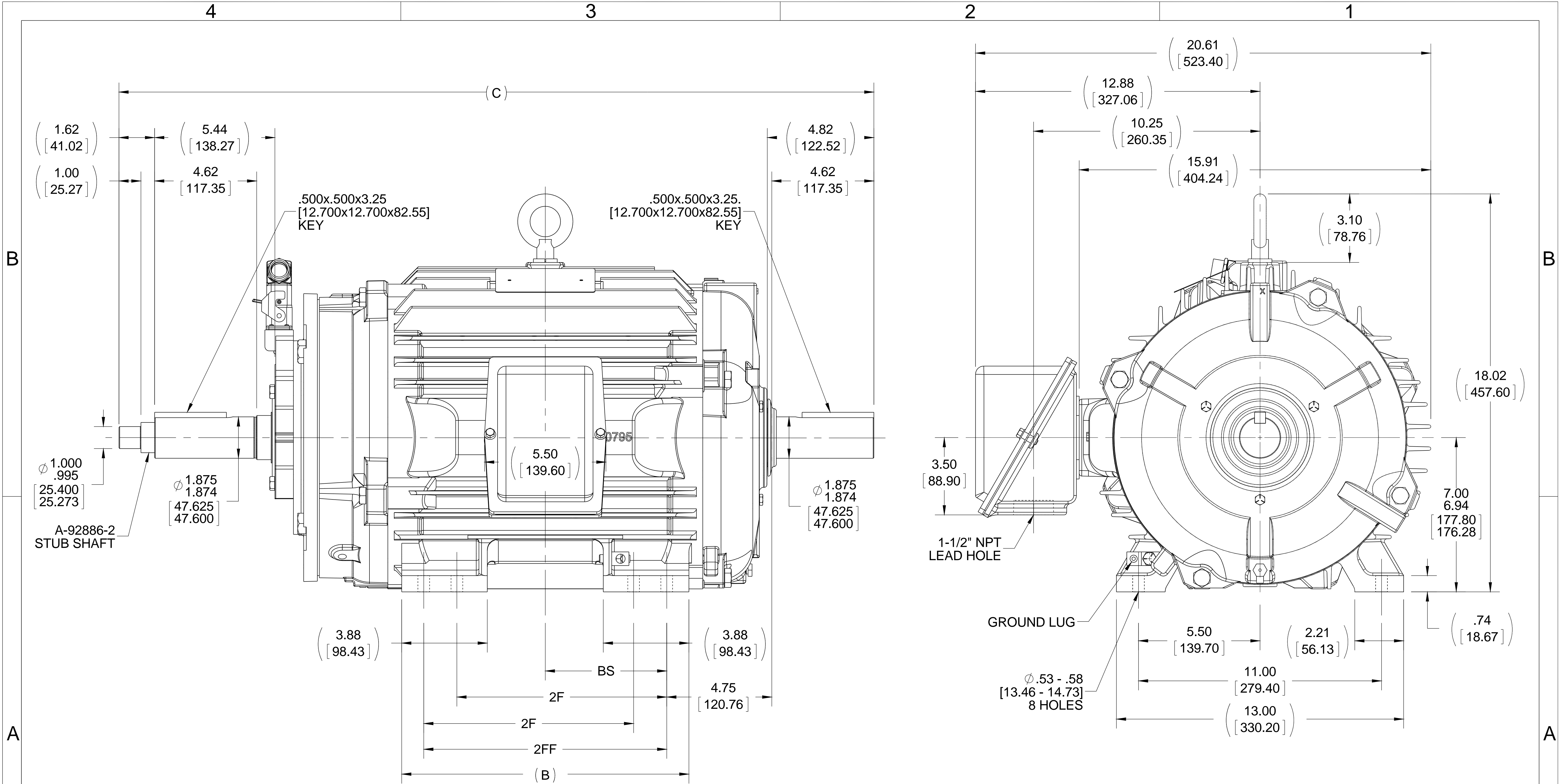
**Nameplate Specifications**

|                        |            |                            |                                 |
|------------------------|------------|----------------------------|---------------------------------|
| Phase                  | 3          | Output HP                  | 15 Hp                           |
| Output KW              | 11.2 kW    | Voltage                    | 460 V                           |
| Speed                  | 880 rpm    | Service Factor             | 1                               |
| Frame                  | 286TZ      | Enclosure                  | Totally Enclosed Non Ventilated |
| Thermal Protection     | Thermostat | Efficiency                 | 88.5 %                          |
| Ambient Temperature    | 40 °C      | Frequency                  | 60 Hz                           |
| Current                | 26.0 A     | Power Factor               | 61                              |
| Duty                   | 60 Minute  | Insulation Class           | H                               |
| Design Code            | A          | KVA Code                   | H                               |
| Drive End Bearing Size | 6311       | Opp Drive End Bearing Size | 6311                            |
| UL                     | Recognized | CSA                        | Y                               |
| CE                     | Y          | IP Code                    | 54                              |
| Number of Speeds       | 1          |                            |                                 |

**Technical Specifications**

|                       |                              |                       |               |
|-----------------------|------------------------------|-----------------------|---------------|
| Electrical Type       | Squirrel Cage Inverter Duty  | Starting Method       | Inverter Only |
| Poles                 | 8                            | Rotation              | Reversible    |
| Resistance Main       | .45 Ohms                     | Mounting              | Rigid Base    |
| Motor Orientation     | Horizontal                   | Drive End Bearing     | Ball          |
| Opp Drive End Bearing | Ball                         | Frame Material        | Cast Iron     |
| Shaft Type            | Special Extension Both Sides | Assembly/Box Mounting | F1/F2 CAPABLE |
| Outline Drawing       | B-SS312804-1425              | Connection Drawing    | A-EE7300AK    |

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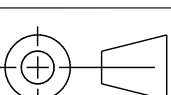


- NOTES:
1. CONDUIT BOX CAN BE ROTATED IN 90° STEPS.
  2. CONDUIT BOX CAN BE MOUNTED ON OPPOSITE SIDE BY REMOVING BRACKETS AND TURNING FRAME 180°.
  3. NAMEPLATE TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| DASH | FRAME | B                 | C                 | 2F               | 2FF               | BS               |
|------|-------|-------------------|-------------------|------------------|-------------------|------------------|
| 1425 | 286TZ | 13.00<br>[330.20] | 34.17<br>[867.92] | 9.50<br>[241.30] | 11.00<br>[279.40] | 5.50<br>[139.64] |

| DRAWING REVISION   | REVISION BY | DATE |
|--|-------------|------|
| A  |             |      |
| ECO  | APPROVED BY | DATE |
| ECO-0110466  |             |      |
| ECO DESCRIPTION  |             |      |
| NEW DRAWING  |             |      |
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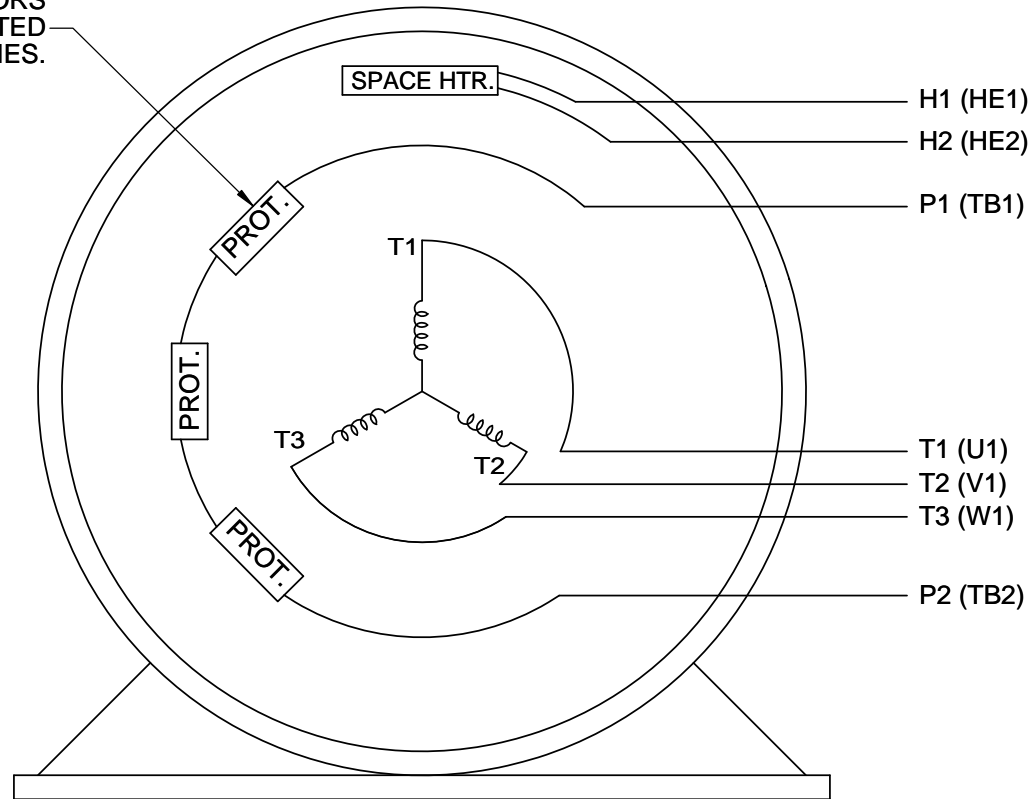
| TOLERANCES UNLESS OTHERWISE SPECIFIED:  |         |           |         |
|---|---------|-----------|---------|
| DEC.  | INCH    | mm        | ANGLE   |
| .X  | ±0.1    | [±2.5]    | ±7° 30" |
| .XX   | ±0.03   | [±0.76]   |         |
| .XXX  | ±0.005  | [±0.127]  |         |
| .XXXX   | ±0.0005 | [±0.0127] |         |
| REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [.51] |         |           |         |
| MACHINED SURFACES: 200 INCH/mm SHOWN IN [BRACKETS]  |         |           |         |

|                           |   |   |                            |
|---------------------------|---|---|----------------------------|
| DRAWN BY<br>J. OTTO       |   | <div>Regal<sup>TM</sup> Beloit America, Inc.</div> |                            |
| DATE<br>09-15-2016        |   |   |                            |
| APPROVED BY<br>T. BROWN   |   | DESCRIPTION<br><br>OUTLINE<br>280TZ FR. - TENV - TACH   |                            |
| DATE<br>09-15-2016        |   |   |                            |
| REFERENCE                 |   | MATERIAL  | PROCESS/FINISH             |
| THIRD ANGLE<br>PROJECTION |  | SIZE<br>B   | DRAWING NUMBER<br>SS312804 |
|                           |   |   | SHEET<br>1 OF 1            |

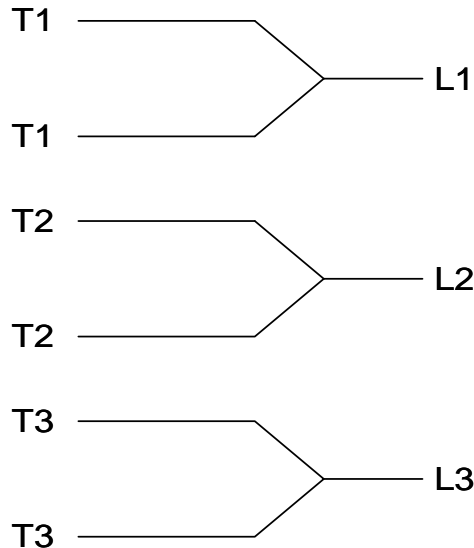
# P1 AND P2 PROTECTORS TO VOLTAGE CONTROL

TO REVERSE ROTATION:  
INTERCHANGE ANY TWO  
LINE LEAD CONNECTIONS.

PROTECTORS  
CONNECTED  
IN SERIES.



IF MOTOR OR GENERATOR  
HAS 6 LEADS



A-9806 DECAL

|  |                        |                    |   |  |                           |   |           |                            |                 |
|--|------------------------|--------------------|---|--|---------------------------|---|-----------|----------------------------|-----------------|
| DRAWING REVISION<br>J  | REVISION BY<br>J. OTTO | DATE<br>04-13-2017 | TOLERANCES UNLESS<br>OTHERWISE SPECIFIED:<br><div><div>DEC.</div><div>INCH</div><div>mm</div><div>ANGLE</div></div> <div><div>.X</div><div>±0.1</div><div>[±2.5]</div><div>±7' 30"</div></div> <div><div>.XX</div><div>±0.02</div><div>[±0.51]</div></div> <div><div>XXX</div><div>±0.005</div><div>[±0.127]</div></div> <div><div>.XXXX</div><div>±0.0005</div><div>[±0.0127]</div></div> <div>REMOVE BURRS &amp; BREAK SHARP<br/>EDGES: .003/.015 [.076/.381]<br/>CORNER FILLETS: .02 [.51]<br/>MACHINED SURFACES: 200 INCH 5.1 mm<br/>mm SHOWN IN [BRACKETS]</div> |  | DRAWN BY<br>MJD           | <div><div>REGAL™</div><div>Regal Beloit America, Inc.</div></div> |           |                            |                 |
| ECO<br>ECO-0121568   | APPROVED BY<br>T. VUE  | DATE<br>04-18-2017 |   |  | DATE<br>06-24-2014        |   |           |                            |                 |
| ECO DESCRIPTION<br>ADDED IEC NOTATIONS   |                        |                    | DESCRIPTION<br>CONN DIAGRAM-INTERNAL<br>SINGLE VOLT-3Ø MOTOR  |  | APPROVED BY<br>TB         |   | MATERIAL  | PROCESS/FINISH             |                 |
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|  |                        |                    | REFERENCE   |  | THIRD ANGLE<br>PROJECTION |   | SIZE<br>A | DRAWING NUMBER<br>EE7300AK | SHEET<br>1 OF 1 |