

# PRODUCT INFORMATION PACKET

Model No: 364TTGS6542

Catalog No: E573

Other Purpose Motor, 60 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 364T Frame, EPFC

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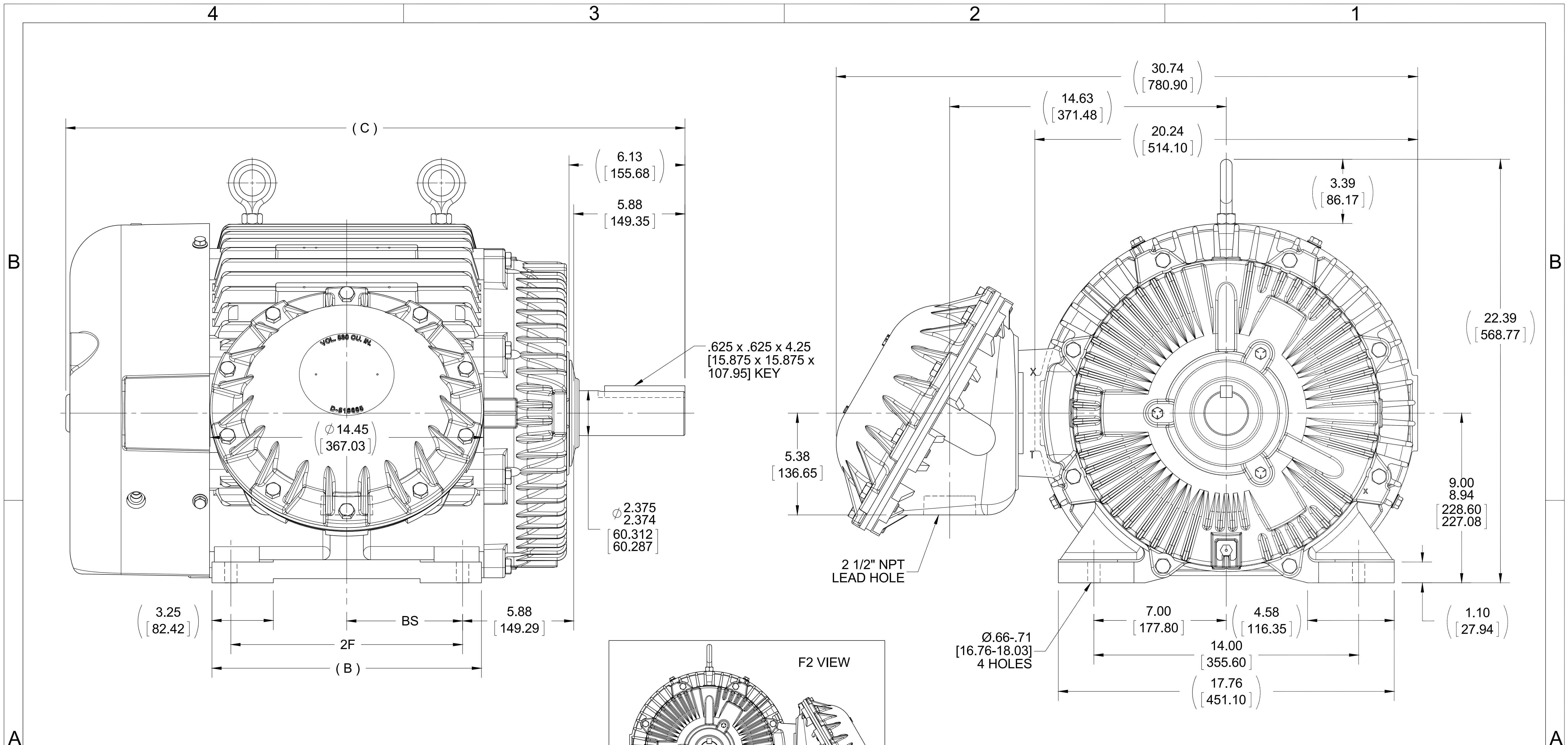


### Nameplate Specifications

|                        |                      |                            |                                   |
|------------------------|----------------------|----------------------------|-----------------------------------|
| Output HP              | <b>60 Hp</b>         | Output KW                  | <b>45.0 kW</b>                    |
| Frequency              | <b>60 Hz</b>         | Voltage                    | <b>230/460 V</b>                  |
| Current                | <b>138.0/69.0 A</b>  | Speed                      | <b>1780 rpm</b>                   |
| Service Factor         | <b>1.15</b>          | Phase                      | <b>3</b>                          |
| Efficiency             | <b>94.5 %</b>        | Power Factor               | <b>86</b>                         |
| Duty                   | <b>Continuous</b>    | Insulation Class           | <b>F</b>                          |
| Design Code            | <b>B</b>             | KVA Code                   | <b>G</b>                          |
| Frame                  | <b>364T</b>          | Enclosure                  | <b>Explosion Proof Fan cooled</b> |
| Thermal Protection     | <b>No Protection</b> | Ambient Temperature        | <b>40 °C</b>                      |
| Drive End Bearing Size | <b>6314</b>          | Opp Drive End Bearing Size | <b>6312</b>                       |
| UL                     | <b>Listed</b>        | CSA                        | <b>Y</b>                          |
| CE                     | <b>N</b>             | IP Code                    | <b>54</b>                         |
| Number of Speeds       | <b>1</b>             |                            |                                   |

### Technical Specifications

|                       |                                     |                       |                         |
|-----------------------|-------------------------------------|-----------------------|-------------------------|
| Electrical Type       | <b>Squirrel Cage Inverter Rated</b> | Starting Method       | <b>Line Or Inverter</b> |
| Poles                 | <b>4</b>                            | Rotation              | <b>Reversible</b>       |
| Resistance Main       | <b>.101 Ohms</b>                    | Mounting              | <b>Rigid Base</b>       |
| Motor Orientation     | <b>Horizontal</b>                   | Drive End Bearing     | <b>Ball</b>             |
| Opp Drive End Bearing | <b>Ball</b>                         | Frame Material        | <b>Cast Iron</b>        |
| Shaft Type            | <b>T</b>                            | Overall Length        | <b>31.74 in</b>         |
| Frame Length          | <b>13.50 in</b>                     | Shaft Diameter        | <b>2.375 in</b>         |
| Shaft Extension       | <b>6.13 in</b>                      | Assembly/Box Mounting | <b>F1 ONLY</b>          |
| Connection Drawing    | <b>A-EE7308AD</b>                   | Outline Drawing       | <b>B-SS518459-1350</b>  |



- 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. NAMEPLATES TO BE READ FROM CONDUIT BOX SIDE OF MOTOR.

| DASH | FRAME | B                 | C                 | 2F                | BS               |
|------|-------|-------------------|-------------------|-------------------|------------------|
| 1350 | 364T  | 13.25<br>[336.55] | 31.74<br>[806.20] | 11.25<br>[285.75] | 5.62<br>[142.75] |
| 1450 | 365T  | 14.25<br>[361.95] | 32.74<br>[831.60] | 12.25<br>[311.15] | 6.12<br>[155.45] |

|   |                    |                    |
|---|--------------------|--------------------|
| DRAWING REVISION<br>G   | REVISION BY<br>TDB | DATE<br>07-28-2015 |
| ECO<br>ECO-0082089  | APPROVED BY<br>DJK | DATE<br>07-30-2015 |
| ECO DESCRIPTION<br>UPDATED TO CURRENT STD'S   |                    |                    |
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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 [0.51]  
 MACHINED SURFACES: 200 INCH/mm 5.1  
 mm SHOWN IN [BRACKETS]

|                        |
|------------------------|
| DRAWN BY<br>TJB        |
| DATE<br>05-14-2001     |
| APPROVED BY<br>GK      |
| DATE<br>09-07-2001     |
| REFERENCE              |
| THIRD ANGLE PROJECTION |

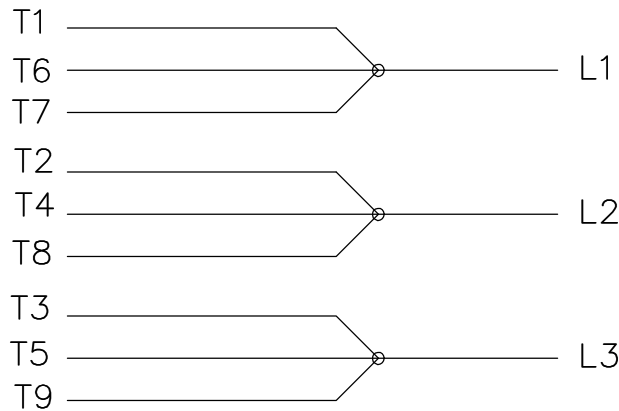
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DESCRIPTION  
**OUTLINE**  
360T FR. - EXP. PROOF

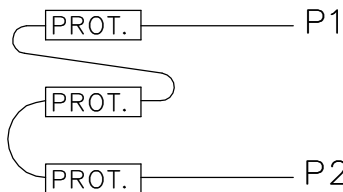
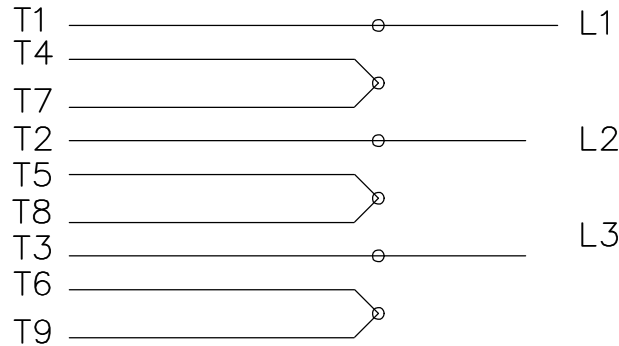
MATERIAL PROCESS/FINISH

SIZE **B** DRAWING NUMBER **SS518459** SHEET 1 OF 1

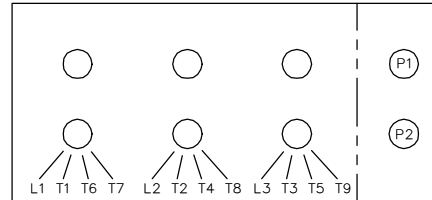
LOW VOLTAGE



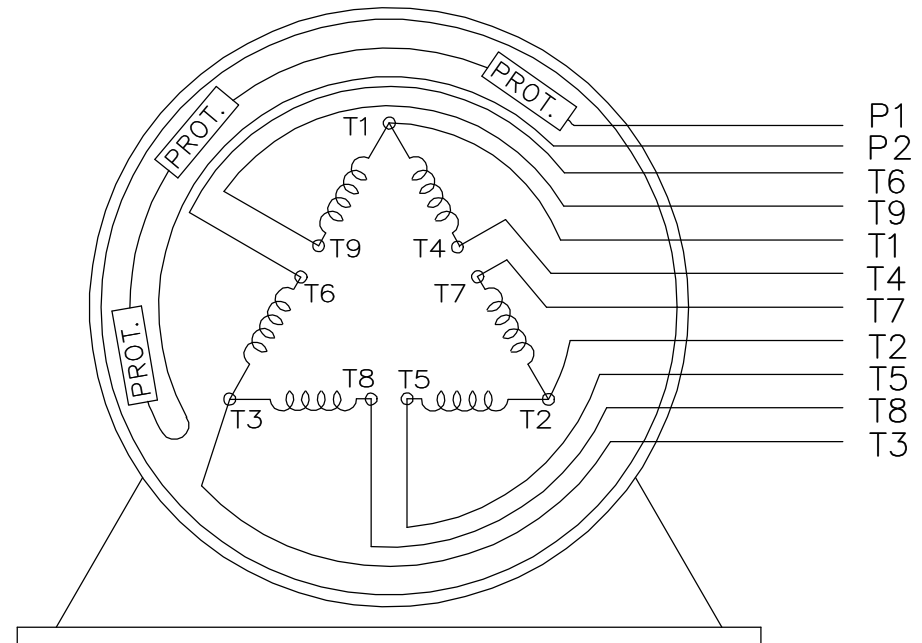
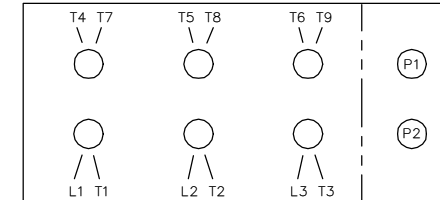
HIGH VOLTAGE



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

WHEN MORE THAN ONE PROT. IS USED; PROT. ARE CONNECTED IN SERIES

|  |                          |                                      |   |                                   |   |
|--|--------------------------|--------------------------------------|---|-----------------------------------|---|
| DRAWING REVISION<br><b>L</b>   | REVISION BY<br><b>JP</b> | REV DATE/© DATE<br><b>06-21-2019</b> | TOLERANCES (EXCEPT AS NOTED):<br>DEC.    INCH    mm    ANGLE<br>.X       ±0.1     [±3]     ±7' 30"<br>.XX      ±0.02    [±0.5]<br>.XXX    ±0.005    [±0.13]<br>.XXXX   ±0.0005 [±0.013] | DRAWN BY<br><b>MJD</b>            | Regal Beloit America, Inc.                  |
| ECO<br><b>ECO-0168744</b>  | APPROVED BY<br><b>MH</b> | DATE<br><b>06-21-2019</b>            |   | DATE<br><b>12-19-1997</b>         |   |
| ECO DESCRIPTION<br><b>UPDATED TO CURRENT STANDARDS</b>   |                          |                                      | REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45 °<br>CORNER FILLETS: R.02 [.5]<br>MACHINED SURFACES: 200/ 5.1 INCH/mm  | APPROVED BY<br><b>GK</b>          | DESCRIPTION<br><b>CONN DIAGRAM-EXTERNAL</b> |
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|  |                          |                                      | SIZE<br><b>A</b>  | DRAWING NUMBER<br><b>EE7308AD</b> | SHEET<br><b>1 OF 1</b>                      |