

# PRODUCT INFORMATION PACKET

**marathon®**  
Motors

Model No: 405TSTFCD6002

Catalog No: GT1045A-P

Globetrotter® General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
3600 & 3000 RPM, 405TS Frame, TEFC



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**RegalRexnord**

### Nameplate Specifications

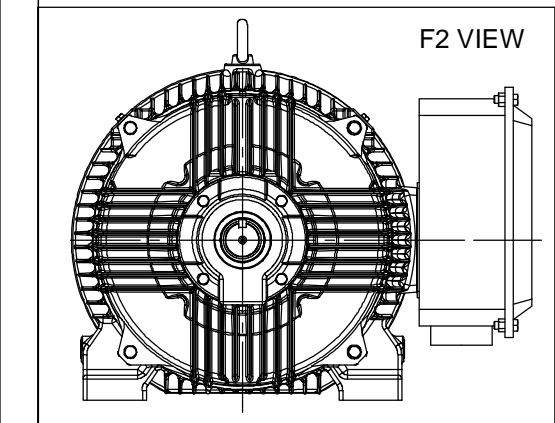
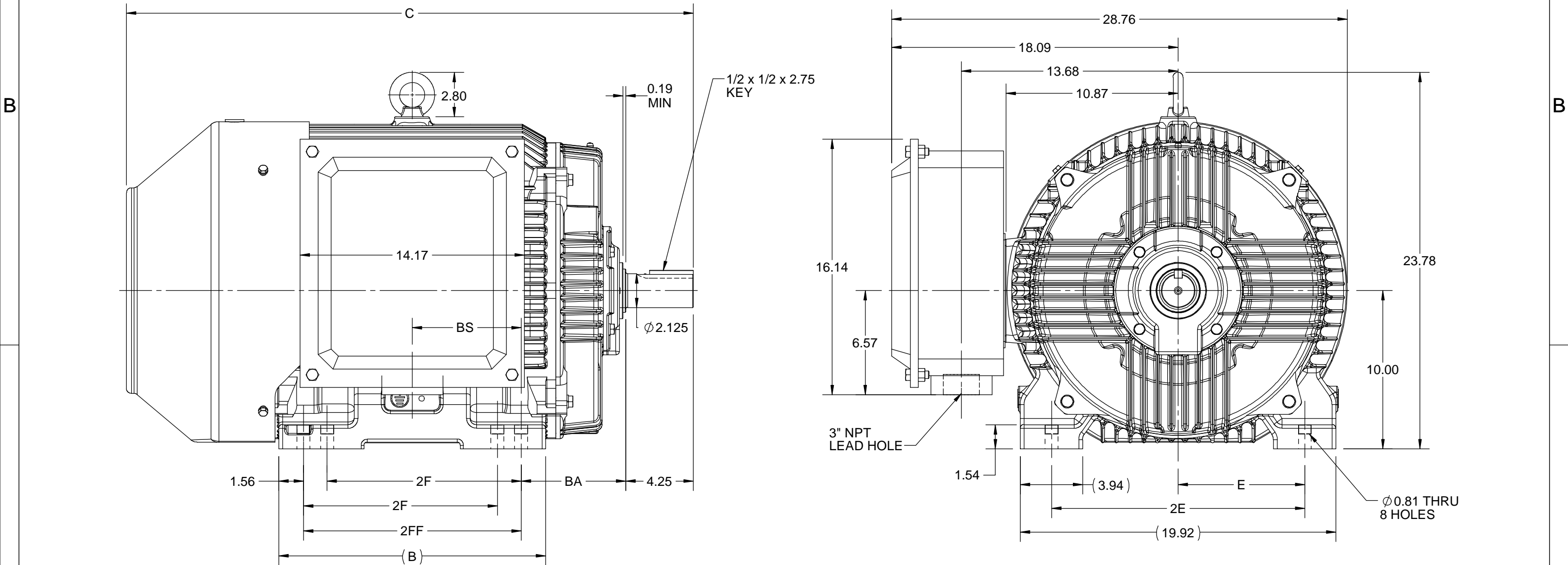
|                        |                     |                            |                             |
|------------------------|---------------------|----------------------------|-----------------------------|
| Phase                  | 3                   | Output HP                  | 100 & 75 Hp                 |
| Output KW              | 75.0 & 56.0 kW      | Voltage                    | 230/460 & 190/380 V         |
| Speed                  | 3575 & 2978 rpm     | Service Factor             | 1.15 & 1.15                 |
| Frame                  | 405TS               | Enclosure                  | Totally Enclosed Fan Cooled |
| Thermal Protection     | No Protection       | Efficiency                 | 94.5 & 94.5 %               |
| Ambient Temperature    | 40 °C               | Frequency                  | 60 & 50 Hz                  |
| Current                | 222/111 & 203/102 A | Power Factor               | 89                          |
| Duty                   | Continuous          | Insulation Class           | F                           |
| Design Code            | B                   | KVA Code                   | G                           |
| Drive End Bearing Size | 6314                | Opp Drive End Bearing Size | 6314                        |
| UL                     | Recognized          | CSA                        | Y                           |
| CE                     | Y                   | IP Code                    | 55                          |
| Number of Speeds       | 1                   |                            |                             |



### Technical Specifications

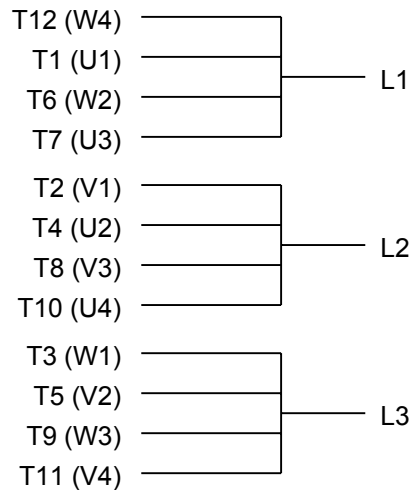
|                       |                              |                   |  |
|-----------------------|------------------------------|-------------------|--|
| Electrical Type       | Squirrel Cage Inverter Rated | Starting Method   | Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter |
| Poles                 | 2                            | Rotation          | Reversible   |
| Resistance Main       | .056 Ohms                    | Mounting          | Rigid Base   |
| Motor Orientation     | Horizontal                   | Drive End Bearing | Ball   |
| Opp Drive End Bearing | Ball                         | Frame Material    | Cast Iron  |
| Shaft Type            | TS                           | Shaft Diameter    | 2.125 in   |
| Assembly/Box Mounting | F1/F2 CAPABLE                | Inverter Load     | CONSTANT 2:1/VARIABLE 10:1                                     |
| Connection Drawing    | EE7308AA                     | Outline Drawing   | SS557004   |

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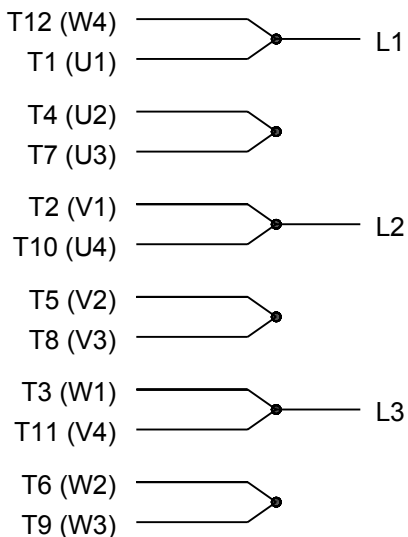
| 4     |       |      |       |       | 3     |      |      |          | 2 |  |  | 1 |  |  |
|-------|-------|------|-------|-------|-------|------|------|----------|---|--|--|---|--|--|
| B     | C     | E    | 2E    | 2F    | 2FF   | BA   | BS   | MOUNTING |   |  |  |   |  |  |
| 16.85 | 35.77 | 8.00 | 16.00 | 12.25 | 13.75 | 6.62 | 6.87 | F1 OR F2 |   |  |  |   |  |  |



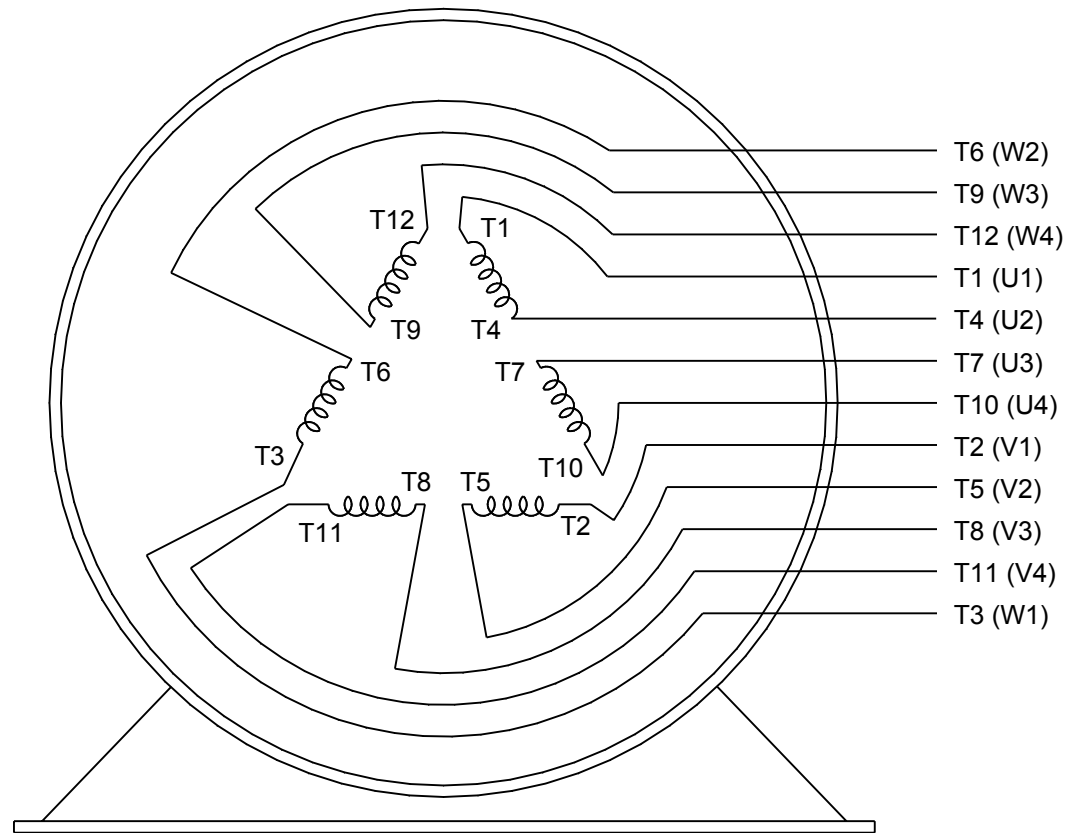
|  |  |                    |  |                               |  |                           |  |   |  |                |  |                            |  |                 |  |
|--|--|--------------------|--|-------------------------------|--|---------------------------|--|---|--|----------------|--|----------------------------|--|-----------------|--|
| DRAWING REVISION<br>C  |  | REVISION BY<br>VS  |  | REV DATE/© DATE<br>25-11-2020 |  | DRAWN BY<br>NIV           |  | <div> Regal Beloit America, Inc.</div> |  |                |  |                            |  |                 |  |
| ECO<br>ECO-0195088   |  | APPROVED BY<br>GNK |  | DATE<br>25-11-2020            |  | DATE<br>25/03/2016        |  | DESCRIPTION   |  |                |  |                            |  |                 |  |
| ECO DESCRIPTION  |  |                    |  |                               |  | APPROVED BY<br>SBD        |  | OUTLINE<br>404/405TS FR NEMA-TEFC   |  |                |  |                            |  |                 |  |
| DRAWING UPDATED  |  |                    |  |                               |  | DATE<br>25/03/2016        |  |   |  |                |  |                            |  |                 |  |
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| PRIMARY DIMENSIONS ARE INCH<br>mm DIMENSIONS IN [BRACKETS]<br>ARE FOR REFERENCE ONLY   |  |                    |  |                               |  | THIRD ANGLE<br>PROJECTION |  |                                        |  | SIZE<br>B      |  | DRAWING NUMBER<br>SS557004 |  | 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   |                       |                    |
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|                   |                            |
|-------------------|----------------------------|
| DRAWN BY<br>LZ    | DATE<br>01-12-1994         |
| APPROVED BY<br>GK | DATE<br>01-14-1994         |
| REFERENCE         | THIRD ANGLE<br>PROJECTION  |
| SIZE<br>A         | DRAWING NUMBER<br>EE7308AA |



Regal Beloit America, Inc.

DESCRIPTION  
**CONN DIAGRAM-EXTERNAL**  
 3Ø-2/1 DELTA-12 LEADS

|                 |                |
|-----------------|----------------|
| MATERIAL        | PROCESS/FINISH |
| SHEET<br>1 OF 1 |                |

## 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 : 405TSTFCD6002

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

Catalog No : GT1045A-P

Rework No : N/A

### Directives :

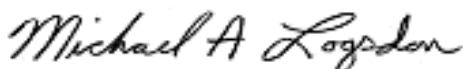
Low Voltage Directive 2014/35/EU

### 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 09/01/2022

**CE 22**