

# PRODUCT INFORMATION PACKET

Model No: 182TTDBD6003

Catalog No: GT0212

Globetrotter® General Purpose Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,  
3600 & 3000 RPM, 182TC Frame, DP



### Nameplate Specifications

|                        |                              |                            |                                |
|------------------------|------------------------------|----------------------------|--------------------------------|
| Phase                  | <b>3</b>                     | Output HP                  | <b>5 &amp; 3 Hp</b>            |
| Output KW              | <b>3.7 &amp; 2.2 kW</b>      | Voltage                    | <b>230/460 &amp; 190/380 V</b> |
| Speed                  | <b>3510 &amp; 2925 rpm</b>   | Service Factor             | <b>1.15 &amp; 1.15</b>         |
| Frame                  | <b>182TC</b>                 | Enclosure                  | <b>Drip Proof</b>              |
| Thermal Protection     | <b>No Protection</b>         | Efficiency                 | <b>86.5 &amp; 85.5 %</b>       |
| Ambient Temperature    | <b>40 °C</b>                 | Frequency                  | <b>60 &amp; 50 Hz</b>          |
| Current                | <b>13.2/6.6 &amp; 10/5 A</b> | Power Factor               | <b>82</b>                      |
| Duty                   | <b>Continuous</b>            | Insulation Class           | <b>F</b>                       |
| Design Code            | <b>A</b>                     | KVA Code                   | <b>K</b>                       |
| Drive End Bearing Size | <b>6206</b>                  | Opp Drive End Bearing Size | <b>6203</b>                    |
| UL                     | <b>Recognized</b>            | CSA                        | <b>Y</b>                       |
| CE                     | <b>Y</b>                     | IP Code                    | <b>22</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>2</b>                            | Rotation           | <b>Reversible</b>                 |
| Resistance Main       | <b>4.05 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>Rolled Steel</b>               |
| Shaft Type            | <b>T</b>                            | Shaft Diameter     | <b>1.125 in</b>                   |
| Assembly/Box Mounting | <b>F1/F2 CAPABLE</b>                | Inverter Load      | <b>CONSTANT 2:1/VARIABLE 10:1</b> |
| Outline Drawing       | <b>SS600199-100</b>                 | Connection Drawing | <b>EE7308</b>                     |

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/18/2024



EE7308

THREE PHASE  
DUAL VOLTAGE MOTOR



VIEW OF TERMINAL END

REF.  
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G  
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD  
CONNECTION

L1 — WHITE  
L2 — RED  
L3 — BLACK

| NO.  | REVISION                                       | BY & DATE      | CHK | ANG   | TOLERANCES<br>UNLESS SPECIFIED |        | FINISH  | DRAWN RM 11/20/1990 |        |                    |           |        |
|--|--|----------------|-----|-------|--------------------------------|--------|---|---------------------|--------|--------------------|-----------|--------|
|  |  |                |     |       | DEC.                           | INCHES |   |                     |        |                    |           |        |
| 5  | CHG TO REGAL LOGO                              | SL 09/10/2015  | AB  |       |                                |        |   | CHK ML 11/21/1990   |        |                    |           |        |
| 4  | REVISED IEC NOTATIONS                          | MSG 11/15/2011 | CMN | .X    | ±.1                            |        |   | APPD SAS 04/24/2003 |        |                    |           |        |
| 3  | ADDED IEC NOTATIONS... (U1), (V1) ETC. MU95194 | MSG 5/10/2010  | MJS | .XX   | ±.02                           |        |   | SCALE 1=1           |        |                    |           |        |
| 2  | ADDED THE OPTIONAL CORD CONNECTION MU46318     | RDH 04/24/2003 | DRS | .XXX  | ±.005                          |        | TITLE CONNECTION DIAGRAM<br>3Ø - DUAL VOLTAGE MOTOR | REF                 |        |                    |           |        |
| 1  | REDRAWN  | RM 11/20/1990  |     | .XXXX | ±.0005                         |        | MAT'L.  | FMF                 |        |                    |           |        |
|  |  |                |     |       | ±7'30"                         |        |   | PREV                |        |                    |           |        |
| THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT |  |                |     |       |                                |        | RFP   | CAD FILE ee7308     | SIZE A | DRAWING NO. EE7308 | PAGE OF 5 | REV. 5 |
|  |  |                |     |       |                                |        | DIST WP   |                     |        |                    |           |        |



Regal Beloit America, Inc.

## 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 : 182TTDBD6003

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

Catalog No : GT0212

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**