

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTDBD6010

Catalog No: GT0212-P

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



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RegalRexnord

Nameplate Specifications

| | | | |
|------------------------|-------------------|----------------------------|---------------------|
| Phase | 3 | Output HP | 5 & 3 Hp |
| Output KW | 3.7 & 2.2 kW | Voltage | 230/460 & 190/380 V |
| Speed | 3510 & 2925 rpm | Service Factor | 1.15 & 1.15 |
| Frame | 182TC | Enclosure | Drip Proof |
| Thermal Protection | No Protection | Efficiency | 86.5 & 85.5 % |
| Ambient Temperature | 40 °C | Frequency | 60 & 50 Hz |
| Current | 13.2/6.6 & 10/5 A | Power Factor | 82 |
| Duty | Continuous | Insulation Class | F |
| Design Code | A | KVA Code | K |
| Drive End Bearing Size | 6206 | Opp Drive End Bearing Size | 6203 |
| UL | Recognized | CSA | Y |
| CE | Y | IP Code | 22 |
| Number of Speeds | 1 | | |

Technical Specifications

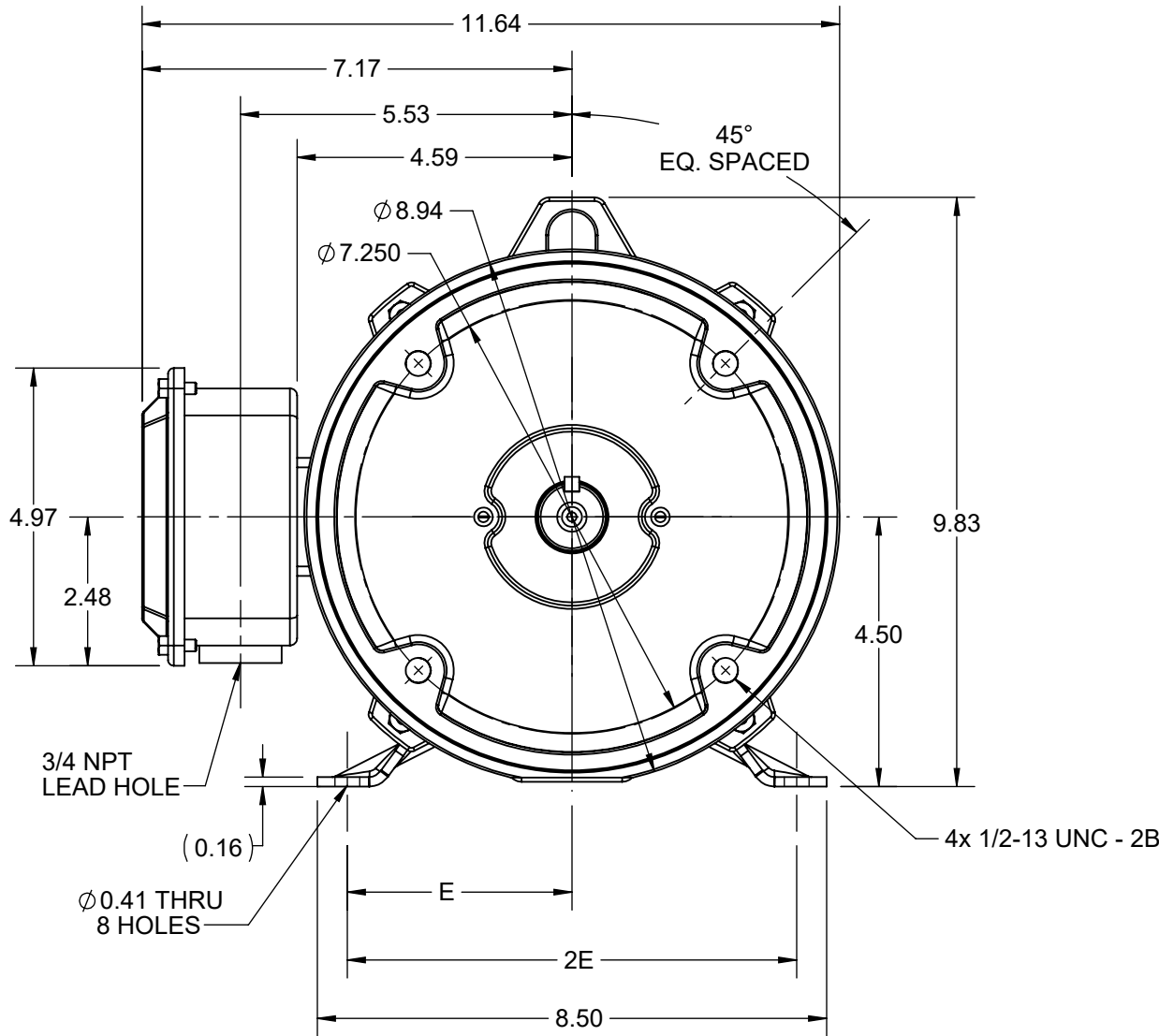
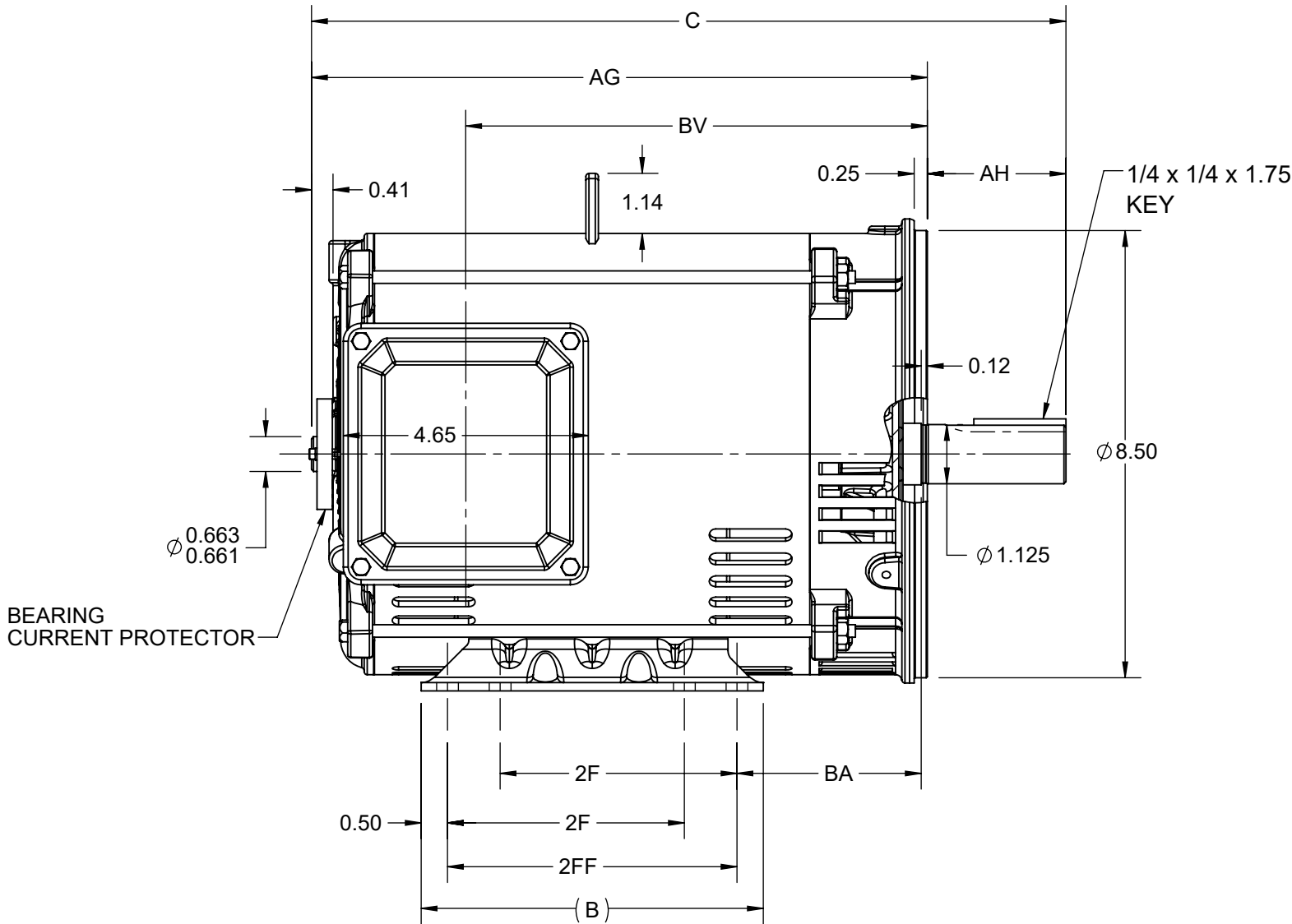
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| Electrical Type | Squirrel Cage Inverter Rated | Starting Method | Line Or Inverter |
| Poles | 2 | Rotation | Reversible |
| Resistance Main | 4.05 Ohms | Mounting | Rigid Base |
| Motor Orientation | Horizontal | Drive End Bearing | Ball |
| Opp Drive End Bearing | Ball | Frame Material | Rolled Steel |
| Shaft Type | T | Shaft Diameter | 1.125 in |
| Assembly/Box Mounting | F1/F2 CAPABLE | Inverter Load | CONSTANT 2:1/VARIABLE 10:1 |
| Connection Drawing | EE7308 | Outline Drawing | SS600228-100 |

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| 4 | | | | 3 | | | | 2 | | | | 1 |
|----------|------|-------|------|------|------|------|-------|------|------|------|----------|-------|
| DASH NO. | B | C | E | 2E | 2F | 2FF | AG | AH | BA | BV | MOUNTING | FRAME |
| 100 | 6.50 | 13.30 | 3.75 | 7.50 | 4.50 | 5.50 | 10.70 | 2.62 | 3.50 | 7.77 | F1 OR F2 | 182TC |
| 200 | | 14.30 | | | | | 11.70 | | | 8.77 | | 184TC |

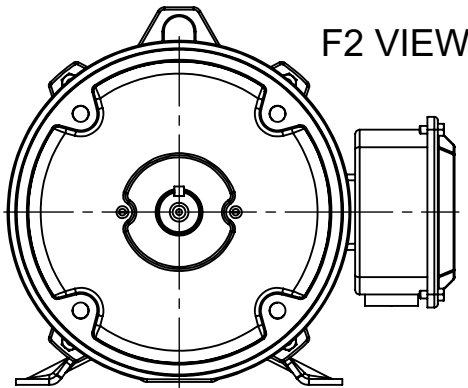
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
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| DRAWING REVISION B | REVISION BY BISWA | REV DATE/© DATE 19/01/2021 |
| ECO CR-0000645 | APPROVED BY GNK | DATE 19/01/2021 |
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| | | |
|---|--|----------------------------|
| DRAWN BY SAIKIRAN |  Regal Beloit America, Inc. | |
| DATE 29/11/2019 | | |
| APPROVED BY VJ | DESCRIPTION OUTLINE 182/184TC FR ODP RS-BCP-ODE | |
| DATE 29/11/2019 | | |
| REFERENCE SS600199 | MATERIAL | PROCESS/FINISH |
| THIRD ANGLE PROJECTION  | SIZE B | DRAWING NUMBER SS600228 |
| | | SHEET 1 OF 1 |



| NO. | REVISION | BY & DATE | CHK | ANG | TOLERANCES UNLESS SPECIFIED | | 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 | | REF | |
| 1 | REDRAWN | RM 11/20/1990 | | .XXXX | ±.0005 | | FMF | |
| | | | | | ±7'30" | | PREV | |
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| | | | | | DIST WP | | A | EE7308 5 |

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 : 182TTDBD6010

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

Catalog No : GT0212-P

Rework No : N/A

Directives :

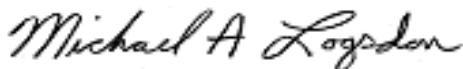
Low Voltage Directive 2014/35/EU

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

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