

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 324TTDBD6030

Catalog No: GT0173

Globetrotter® General Purpose Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1800 & 1800 RPM, 324T Frame, DP



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RegalRexnord

### Nameplate Specifications

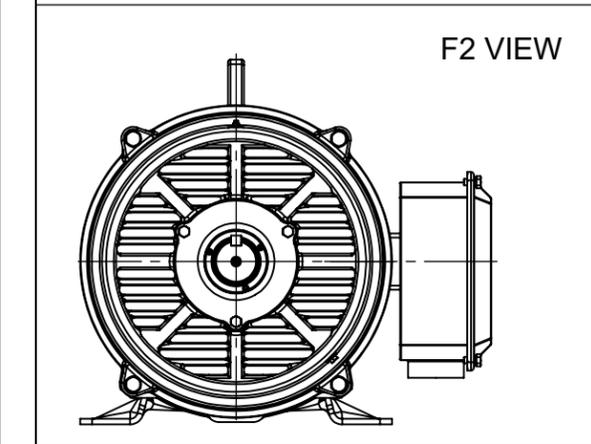
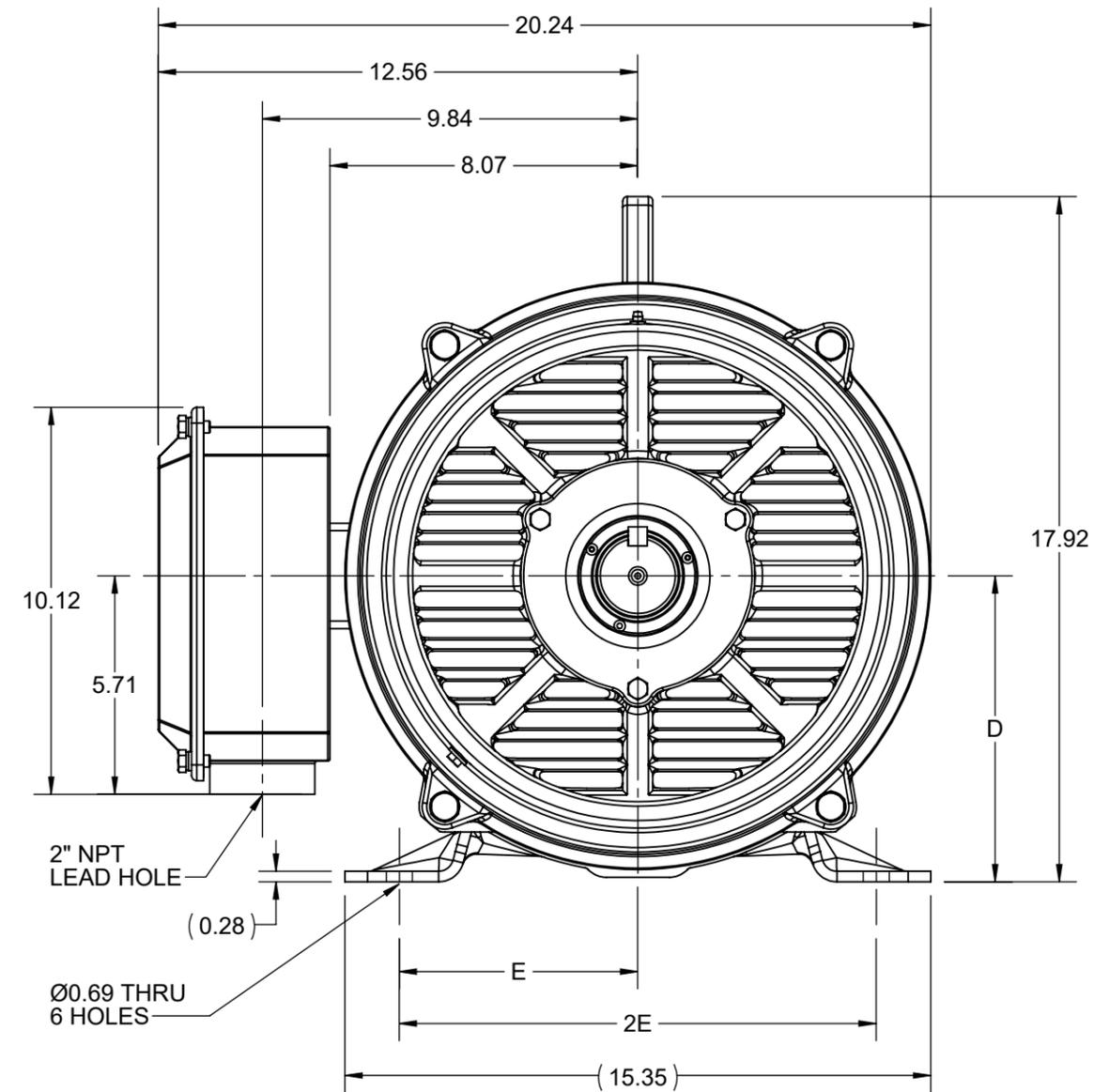
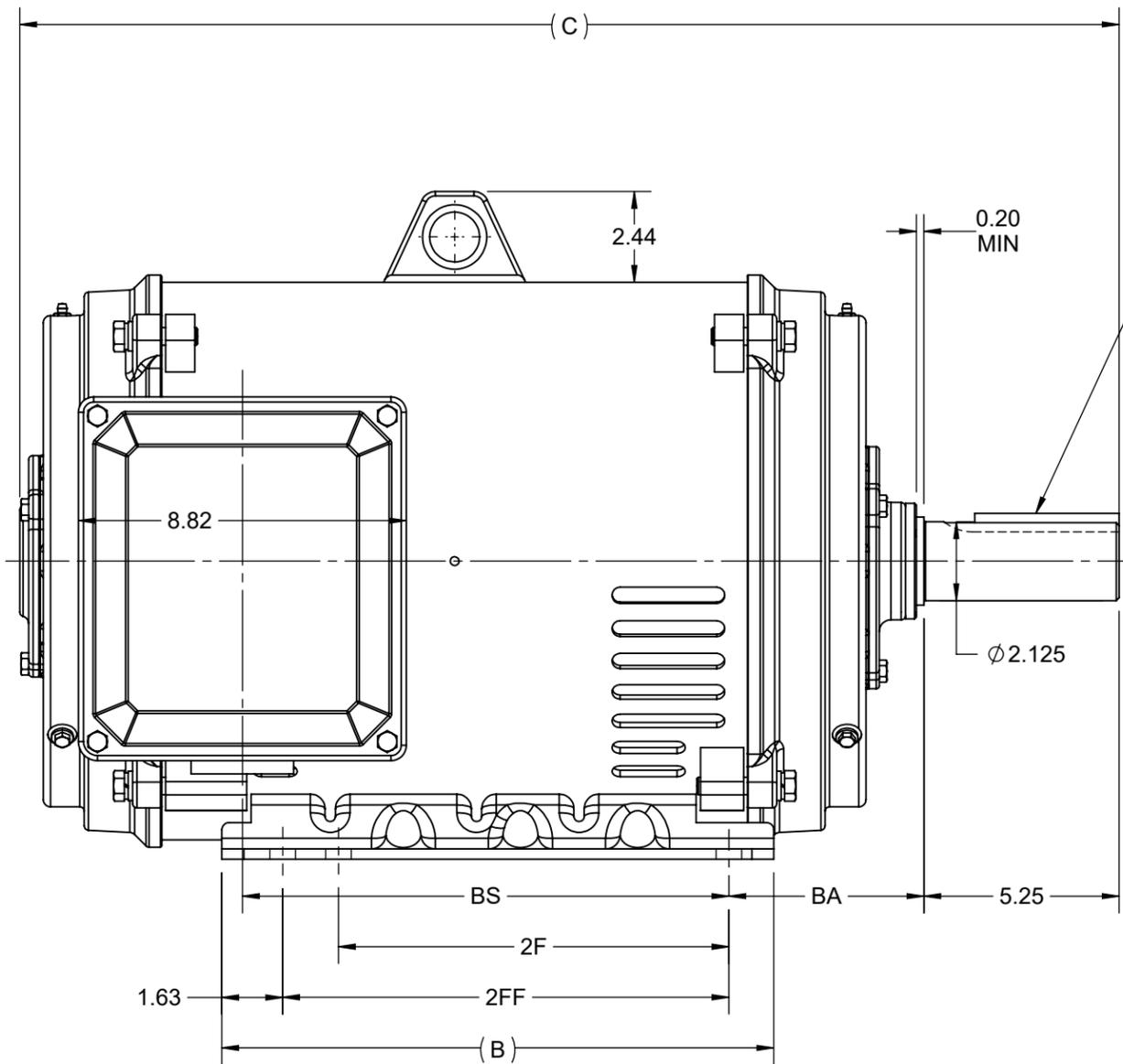
Phase	<b>3</b>	Output HP	<b>40 Hp</b>
Output KW	<b>30.0 kW</b>	Voltage	<b>575 V</b>
Speed	<b>1780 r/min</b>	Service Factor	<b>1.15</b>
Frame	<b>324T</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>94.1 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>38.0 A</b>	Power Factor	<b>83.5</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>G</b>
Drive End Bearing Size	<b>6312</b>	Opp Drive End Bearing Size	<b>6311</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>Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.209 O</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>	Overall Length	<b>28.55 in</b>
Frame Length	<b>370.00 in</b>	Shaft Diameter	<b>2.125 in</b>
Shaft Extension	<b>5.25 in</b>	Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>
Inverter Load	<b>CONSTANT 4:1/VARIABLE 10:1</b>		
Connection Drawing	<b>EE7340</b>	Outline Drawing	<b>SS620746-100</b>



DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	14.85	28.38	8.00	6.25	12.50	10.50	12.00	5.25	11.90	F1 OR F2	324T
200		29.56							13.08		326T



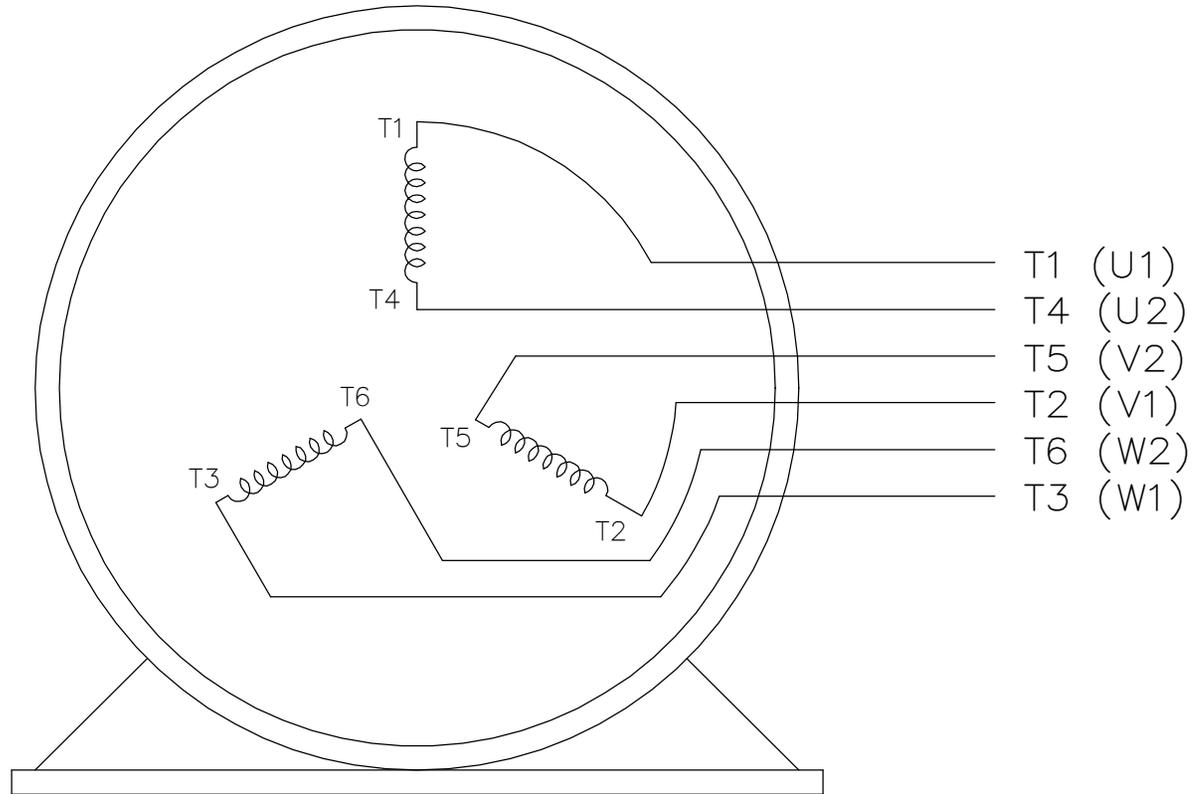
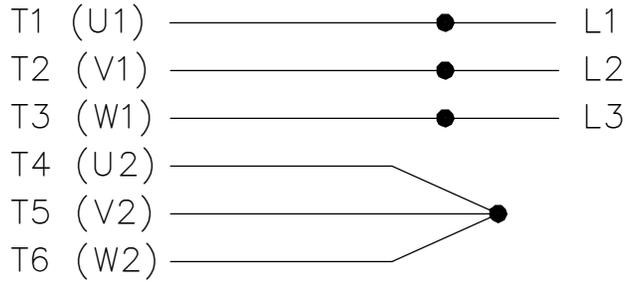
DRAWING REVISION C	REVISION BY RAM	REV DATE/© DATE 27/01/2022
REQUEST NUMBER CR-0006568	APPROVED BY SBD	DATE 27/01/2022
REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D		
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PRIMARY DIMENSIONS ARE INCH  
mm DIMENSIONS IN [BRACKETS]  
ARE FOR REFERENCE ONLY

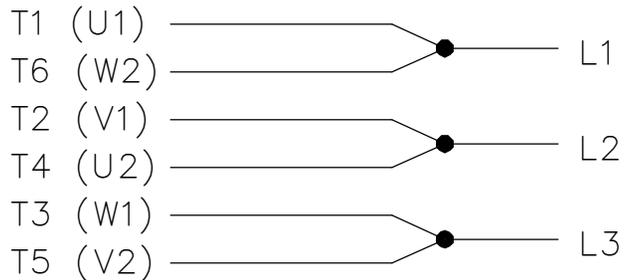
DRAWN BY XZ	<b>Regal Rexnord</b> Regal Beloit America, Inc.	
DATE 25/02/2016	DESCRIPTION <b>OUTLINE</b> 324/326T FR NEMA ODP RS	
APPROVED BY	MATERIAL	PROCESS/FINISH
DATE	SIZE B	DRAWING NUMBER SS620746
REFERENCE	THIRD ANGLE PROJECTION	SHEET 1 OF 1

THREE PHASE  
WYE START DELTA RUN

START



RUN



VIEW OF TERMINAL END

NOTE:  
IEC LEAD MARKINGS ARE NOTED  
IN PARANTHESES

DRAWING REVISION <b>F</b>		REVISION BY <b>RTT</b>	REV DATE/© DATE <b>05-29-2019</b>	TOLERANCES (EXCEPT AS NOTED):		DRAWN BY <b>LZ</b>		 <b>Regal Beloit America, Inc.</b>	
ECO <b>ECO-0167538</b>		APPROVED BY <b>JWA</b>	DATE <b>05-29-2019</b>	DEC. .X ±0.1 [±3]	INCH .XX ±0.02 [±0.5]	mm .XXX ±0.005 [±0.13]	ANGLE .XXXX ±0.0005 [±0.013]		
ECO DESCRIPTION <b>UPDATED TITLE BLOCK</b>				REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5]		DATE <b>01-18-1994</b>		DESCRIPTION <b>CONNECTION DIAGRAM</b> 3<MOD-DIAM> - WYE START DELTA RUN	
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				mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		THIRD ANGLE PROJECTION 		SIZE <b>A</b>	DRAWING NUMBER <b>EE7340</b>

## 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 : 324TTDBD6030

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

Catalog No : GT0173

Rework No : N/A

Directives :

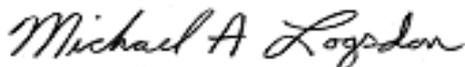
Low Voltage Directive 2014/35/EU

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**