

# PRODUCT INFORMATION PACKET

marathon®  
Motors

Model No: 405TSTD6009

Catalog No: GT0051A-P

Globetrotter® General Purpose Motor, 150 & 125 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 & 3000 RPM,  
405TS Frame, DP



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RegalRexnord



**Nameplate Specifications**

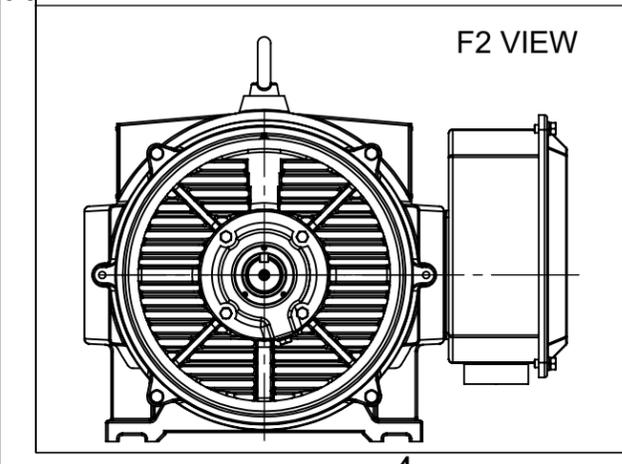
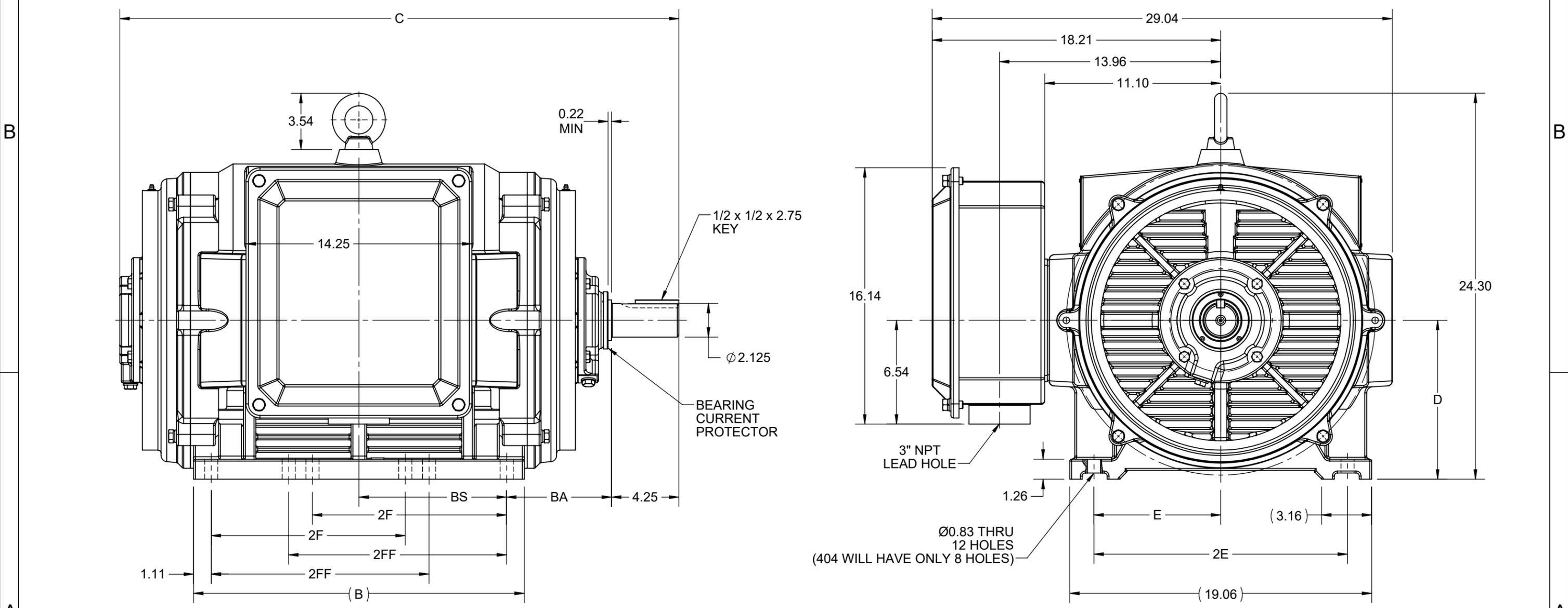
Phase	<b>3</b>	Output HP	<b>150 &amp; 125 Hp</b>
Output KW	<b>112.0 &amp; 93.0 kW</b>	Voltage	<b>460 &amp; 380 V</b>
Speed	<b>3575 &amp; 2972 rpm</b>	Service Factor	<b>1.15 &amp; 1.15</b>
Frame	<b>405TS</b>	Enclosure	<b>Drip Proof</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>94.1 &amp; 94.1 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 &amp; 50 Hz</b>
Current	<b>165 &amp; 167 A</b>	Power Factor	<b>90</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>F</b>
Drive End Bearing Size	<b>6313</b>	Opp Drive End Bearing Size	<b>6313</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>Part Wdg Start Or Inverter</b>
Poles	<b>2</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.045 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>TS</b>	Shaft Diameter	<b>2.125 in</b>
Assembly/Box Mounting	<b>F1/F2 CAPABLE</b>	Inverter Load	<b>VARIABLE 10:1</b>
Connection Drawing	<b>EE7341C</b>	Outline Drawing	<b>SS620947-200</b>

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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	19.29	33.70	10.00	8.00	16.00	---	12.25	6.62	8.54	F1 OR F2	404TS
200	20.87	35.27				12.25	13.75		9.32		404/405TS



DRAWING REVISION C	REVISION BY GOPI J	REV DATE/© DATE 03/02/2022
REQUEST NUMBER CR-0006851	APPROVED BY SBD	DATE 03/02/2022
REQUEST NUMBER DESCRIPTION VIEWS UPDATED AS PER 3D		
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ARE FOR REFERENCE ONLY

DRAWN BY NAR	 Regal Beloit America, Inc.
DATE 31/12/2019	
APPROVED BY VJ	DESCRIPTION <b>OUTLINE</b> 404/405TS FR NEMA ODP CAST IRON- BCP
DATE 31/12/2019	MATERIAL
REFERENCE	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B
	DRAWING NUMBER <b>SS620947</b>
	SHEET 1 OF 1

EE7341C

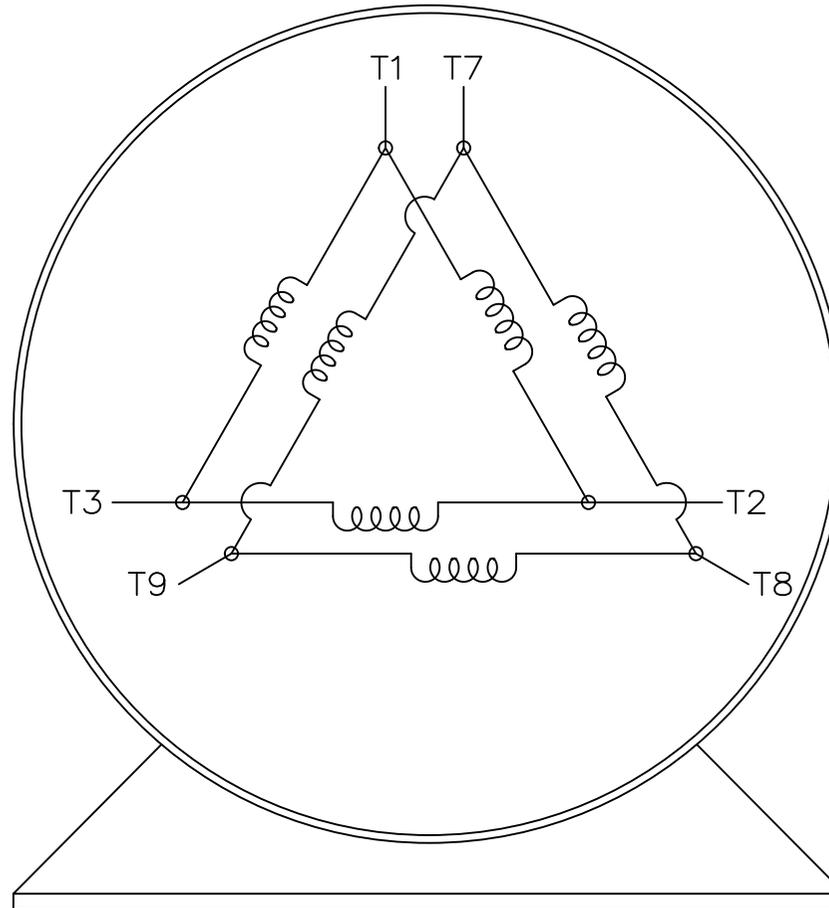
THREE PHASE – PART WINDING START  
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1  
CONNECT T2 TO LINE 2  
CONNECT T3 TO LINE 3  
T7-T8-T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1  
CONNECT T2&T8 TO LINE 2  
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1  
CONNECT T2,T2 TO LINE 2  
CONNECT T3,T3 TO LINE 3  
T7,T7-T8,T8-T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1  
CONNECT T2,T2&T8,T8 TO LINE 2  
CONNECT T3,T3&T9,T9 TO LINE 3

				TOLERANCES UNLESS SPECIFIED		DRAWN BLR 03-09-1998	
				DEC.	INCHES	REGAL REGAL-BELOIT CORPORATION	
				.X	± -		CHK ML 03-23-1998
				.XX	± -	TITLE	APPD GK 03-23-1998
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	± -	CONNECTION DIAGRAM	SCALE 1=1
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	± -	3ø - 6 LEADS	REF
NO.	REVISION	BY & DATE	CHK	ANG	± -	MAT'L.	FMF
						FINISH	PREV
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				DIST		A	EE7341C E

## 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 : 405TSTDCD6009

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

Catalog No : GT0051A-P

Rework No : N/A

Directives :

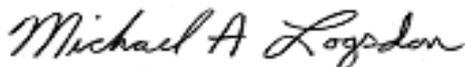
Low Voltage Directive 2014/35/EU

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**