

# PRODUCT INFORMATION PACKET



Model No: B199043.00

Catalog No: B199043.00

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 444T Frame,  
TEFC

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## Nameplate Specifications

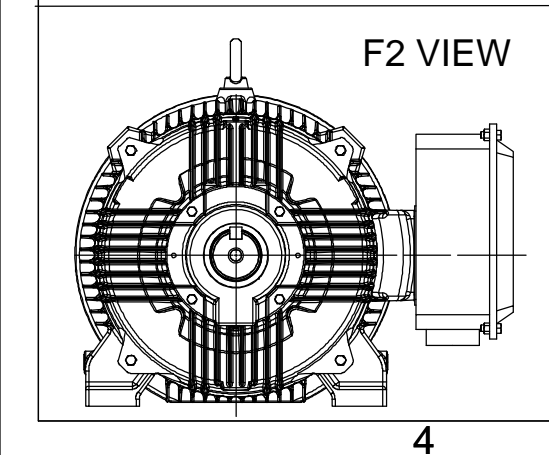
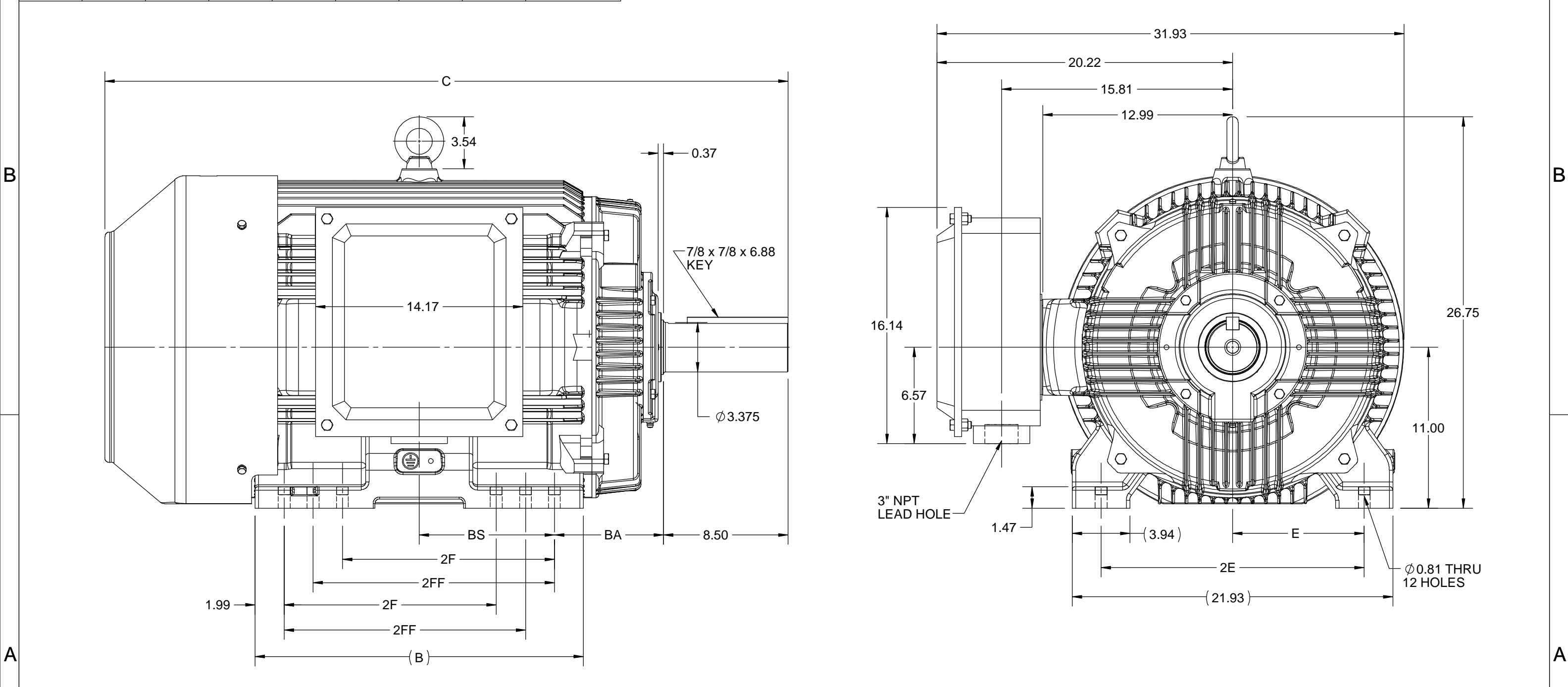
Phase	3	Output HP	125 & 100 Hp
Output KW	93.0 & 75.0 kW	Voltage	460 & 380 V
Speed	1790 & 1490 rpm	Service Factor	1.15 & 1.15
Frame	444T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95.4 & 95.2 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	140 & 136 A	Power Factor	87.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Listed	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

## Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.0374 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	46.71 in
Frame Length	23.62 in	Shaft Diameter	3.375 in
Shaft Extension	8.5 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	VARIABLE 10:1		
Connection Drawing	EE7341C	Outline Drawing	SS557009



4						3			2		1	
B	C	E	2E	2F	2FF	BA	BS	MOUNTING				
22.44	46.71	9.00	18.00	14.50	16.50	7.50	9.24	F1 OR F2				



DRAWING REVISION E	REVISION BY BISWA	DATE 12/10/2020
ECO ECO-0195135	APPROVED BY GNK	DATE 12/10/2020
ECO DESCRIPTION		
DRAWING UPDATED		
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	DRAWN BY NIV	Regal Beloit America, Inc.	
	DATE 25/03/2016		
	APPROVED BY SBD	DESCRIPTION <b>OUTLINE</b> 444/445T FR-TEFC	
	DATE 25/03/2016		
	REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER <b>SS557009</b>	SHEET 1 OF 1

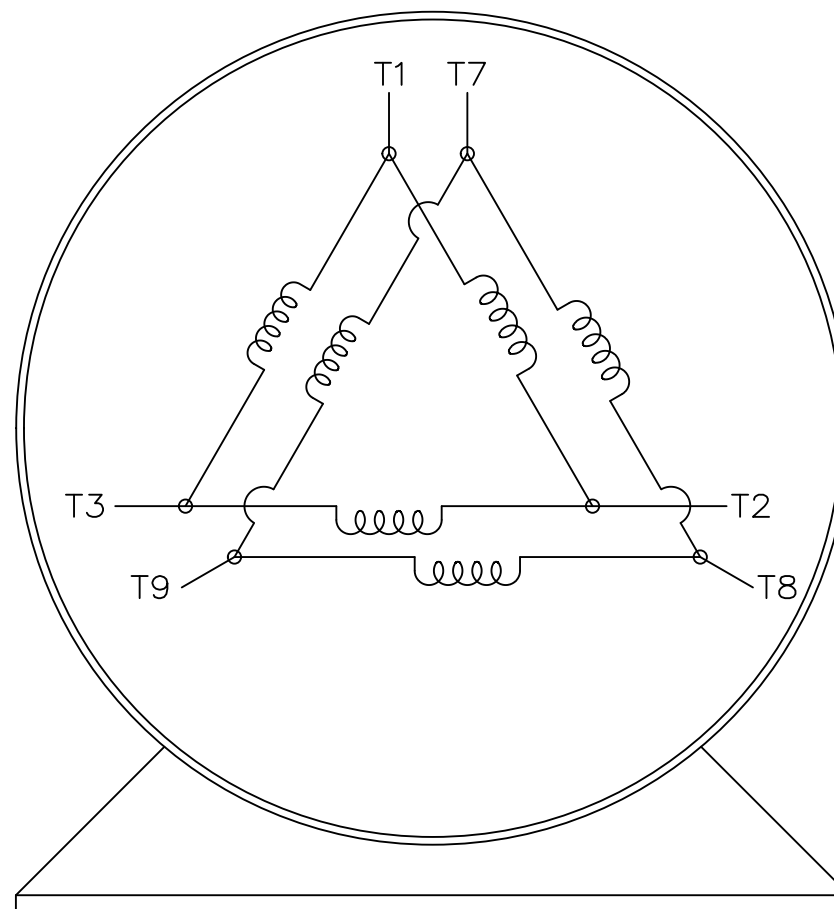
# THREE PHASE – PART WINDING START DELTA – 6 LEADS

## 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		 <b>REGAL - BELOIT CORPORATION</b>	DRAWN BLR 03-09-1998		
			DEC.	INCHES		CHK	ML	03-23-1998
			.X	±	–	APPD	GK	03-23-1998
			.XX	±	–	SCALE 1=1		
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.XXX	±	TITLE CONNECTION DIAGRAM		
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.XXXX	±	3ø – 6 LEADS		
NO.	REVISION	BY & DATE	CHK	ANG	±	MAT'L.		
						FINISH		
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			DIST			A	EE7341C	REV. 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 : B199043.00

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

Catalog No : B199043.00

Rework No : N/A

Directives :

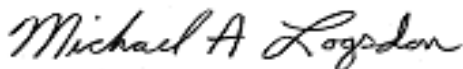
Low Voltage Directive 2014/35/EU

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 04/11/2023

**CE 23**