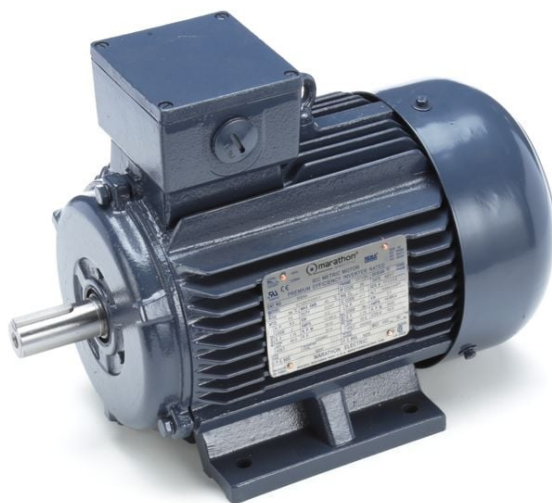


# PRODUCT INFORMATION PACKET

Model No: 112MTFC6537

Catalog No: R425A

Globetrotter® IEC Cast Iron Motor, 5.50 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 112M Frame, TEFC



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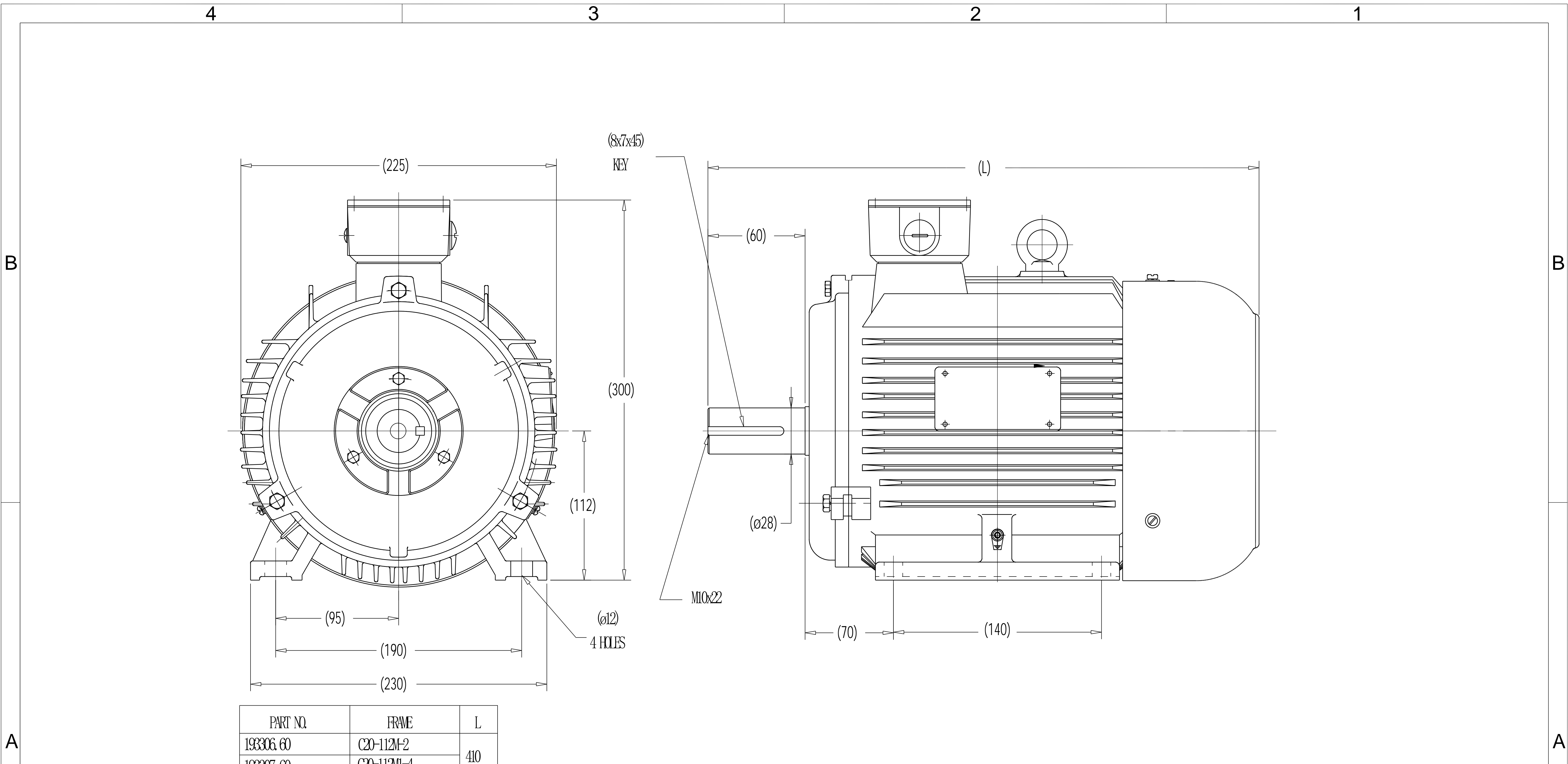


### Nameplate Specifications

Phase	<b>3</b>	Output HP	<b>5.50 Hp</b>
Output KW	<b>4.1 kW</b>	Voltage	<b>575 V</b>
Speed	<b>1765 rpm</b>	Service Factor	<b>1.15</b>
Frame	<b>112M</b>	Enclosure	<b>Totally Enclosed Fan Cooled</b>
Thermal Protection	<b>No Protection</b>	Efficiency	<b>91.7 %</b>
Ambient Temperature	<b>40 °C</b>	Frequency	<b>60 Hz</b>
Current	<b>9.6 A</b>	Power Factor	<b>85</b>
Duty	<b>Continuous</b>	Insulation Class	<b>F</b>
Design Code	<b>B</b>	KVA Code	<b>N</b>
Drive End Bearing Size	<b>6308</b>	Opp Drive End Bearing Size	<b>6207</b>
UL	<b>Recognized</b>	CSA	<b>Y</b>
CE	<b>Y</b>	IP Code	<b>55</b>
Number of Speeds	<b>1</b>		

### Technical Specifications

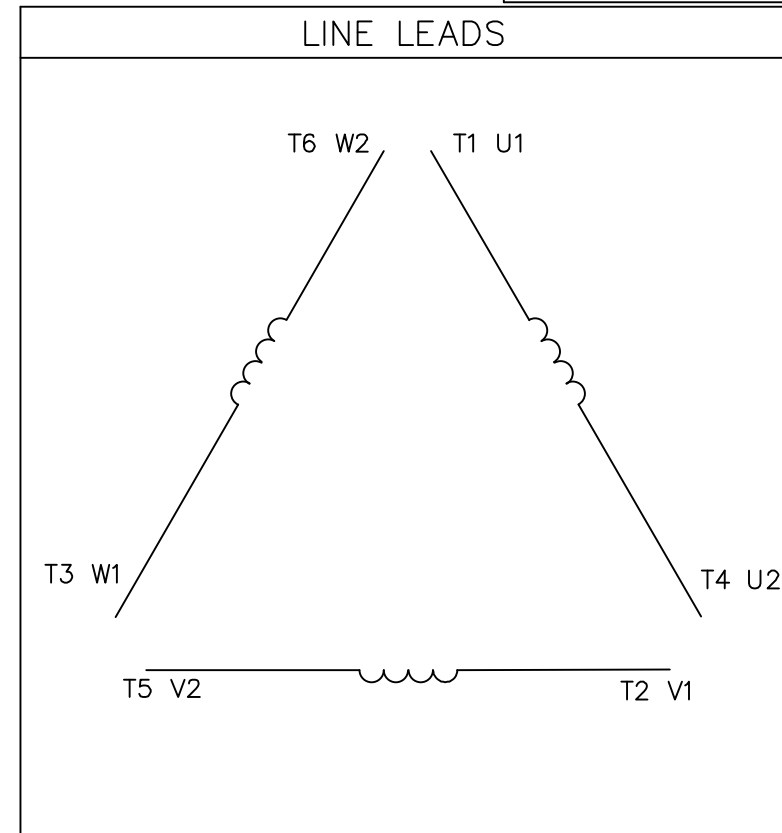
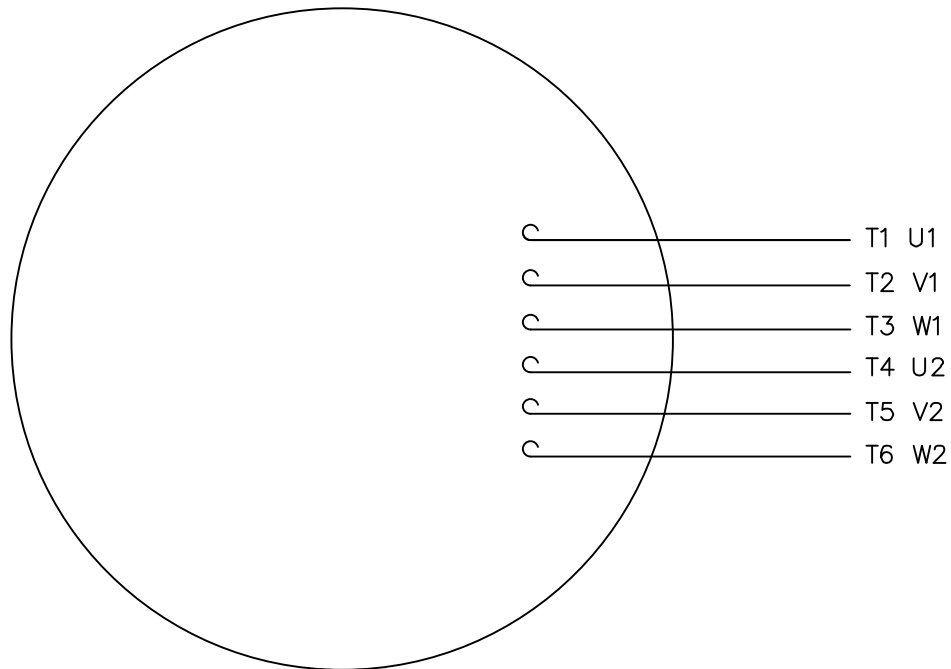
Electrical Type	<b>Squirrel Cage Inverter Rated</b>	Starting Method	<b>Wye Start Delta Run Or Inverter</b>
Poles	<b>4</b>	Rotation	<b>Reversible</b>
Resistance Main	<b>.8 Ohms</b>	Mounting	<b>Rigid Base</b>
Motor Orientation	<b>Horizontal</b>	Drive End Bearing	<b>Ball</b>
Opp Drive End Bearing	<b>Ball</b>	Frame Material	<b>Cast Iron</b>
Shaft Type	<b>IEC</b>	Overall Length	<b>18.42 in</b>
Shaft Diameter	<b>1.111 in</b>	Shaft Extension	<b>2.36 in</b>
Assembly/Box Mounting	<b>F3</b>	Inverter Load	<b>CONSTANT 20:1</b>
Outline Drawing	<b>SS622368-193307</b>	Connection Drawing	<b>00519001ME</b>



PART NO.	FRAME	L
193306.60	C20-112M-2	410
193307.60	C20-112M1-4	
193302.60	C20-112M1-6	468

DRAWING NOT TO SCALE

DRAWING REVISION <b>F</b>	REVISION BY <b>W. JOERGER</b>	DATE <b>08-20-2016</b>	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7' 30" .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH 5.1 mm mm SHOWN IN [BRACKETS]	DRAWN BY <b>MOL</b>	<b>REGAL</b> ™ Regal Beloit America, Inc.	
ECO <b>ECO-0108079</b>	APPROVED BY <b>E. HEIL</b>	DATE <b>08-20-2016</b>		DATE <b>04-12-2012</b>		
ECO DESCRIPTION <b>193307.60 FRAME WAS C20-112M1-6</b>				APPROVED BY <b>SB</b>	DESCRIPTION <b>OUTLINE</b> IEC 112M - 2,4,6 - TEFC	
<small>COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.</small>				DATE <b>04-12-2012</b>	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE <b>B</b>	DRAWING NUMBER <b>SS622368</b>	SHEET <b>1 OF 1</b>



	L1	L2	L3	JOIN
START (WYE)	T1 U1	T2 V1	T3 U2	(T4,T5,T6) (U2,V2,W2)
RUN (DELTA)	(T1,T6) (U1,W2)	(T2,T4) (V1,U2)	(T3,T5) (W1,V2)	

				TOLERANCES UNLESS SPECIFIED				DRAWN PG 05/07/82		
				DEC.	INCHES			CHK		
				.X	±.1	TITLE EXTERNAL WIRING DIAGRAM STAR START - DELTA RUN		APPD TEM 05/07/82		
03	ADDED IEC DESIGNATIONS	MOL 04/27/12	.XX	±.01	MAT'L. Y-CONNECTED START - DELTA CONNECTED RUN			SCALE 1=1		
02	REMOVED OBSOLETE STATUS	KJH 06/28/99	.XXX	±.005			FINISH SINGLE VOLTAGE		REF	
01	REDRAWN ON CAD	DBT 05/30/97	.XXXX	±.0005	NO. REVISION BY & DATE				PREV	
				CHK			ANG	±1/2'		
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 00519001ME			SIZE	DRAWING NO.	REV.
				DIST				A	005190-01ME	03



## 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 : 112MTFC6537

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

Catalog No : R425A

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**