

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 365TTFCA6086

Catalog No: GT1038

Globetrotter® General Purpose Motor, 50 & 40 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V,
1200 & 1000 RPM, 365T Frame, TEFC



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RegalRexnord

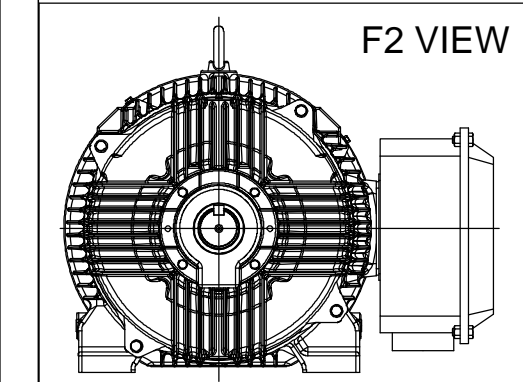
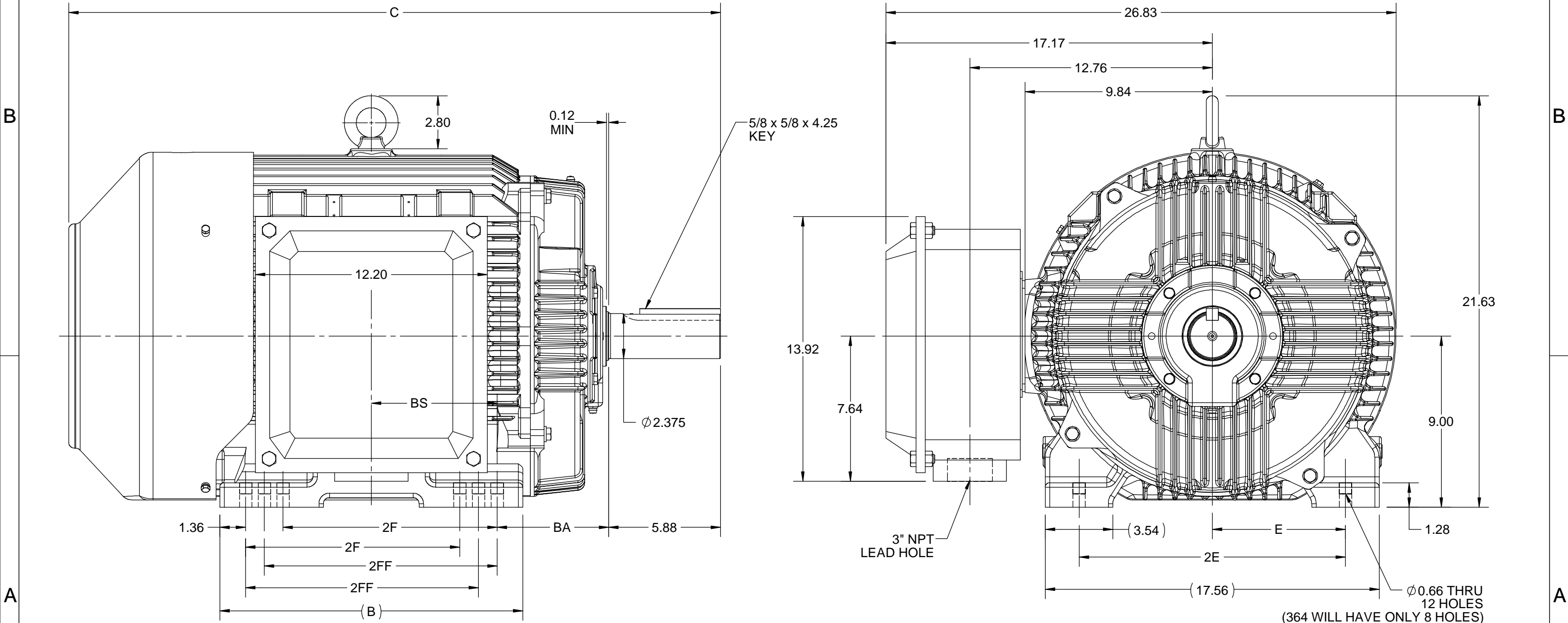
Nameplate Specifications


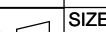
Phase	3	Output HP	50 & 40 Hp
Output KW	37.0 & 30.0 kW	Voltage	230/460 & 190/380 V
Speed	1188 & 988 rpm	Service Factor	1.15 & 1.15
Frame	365T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 & 93.6 %
Ambient Temperature	40 °C	Frequency	60 & 50 Hz
Current	119/59.5 & 114/57 A	Power Factor	83.5
Duty	Continuous	Insulation Class	F
Design Code	B	KVA Code	G
Drive End Bearing Size	6313	Opp Drive End Bearing Size	6213
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Wye Start Delta Run Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.1329 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	34.30 in
Shaft Diameter	2.375 in	Shaft Extension	5.88 in
Assembly/Box Mounting	F1/F2 CAPABLE		
Connection Drawing	EE7308AA	Outline Drawing	SS556999

4						3					2					1				
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME										
100	14.96	33.30	7.00	14.00	-	11.25	5.88	6.12	F1 OR F2	364T										
200	15.94	34.30			11.25	12.25		6.62		364/365T										



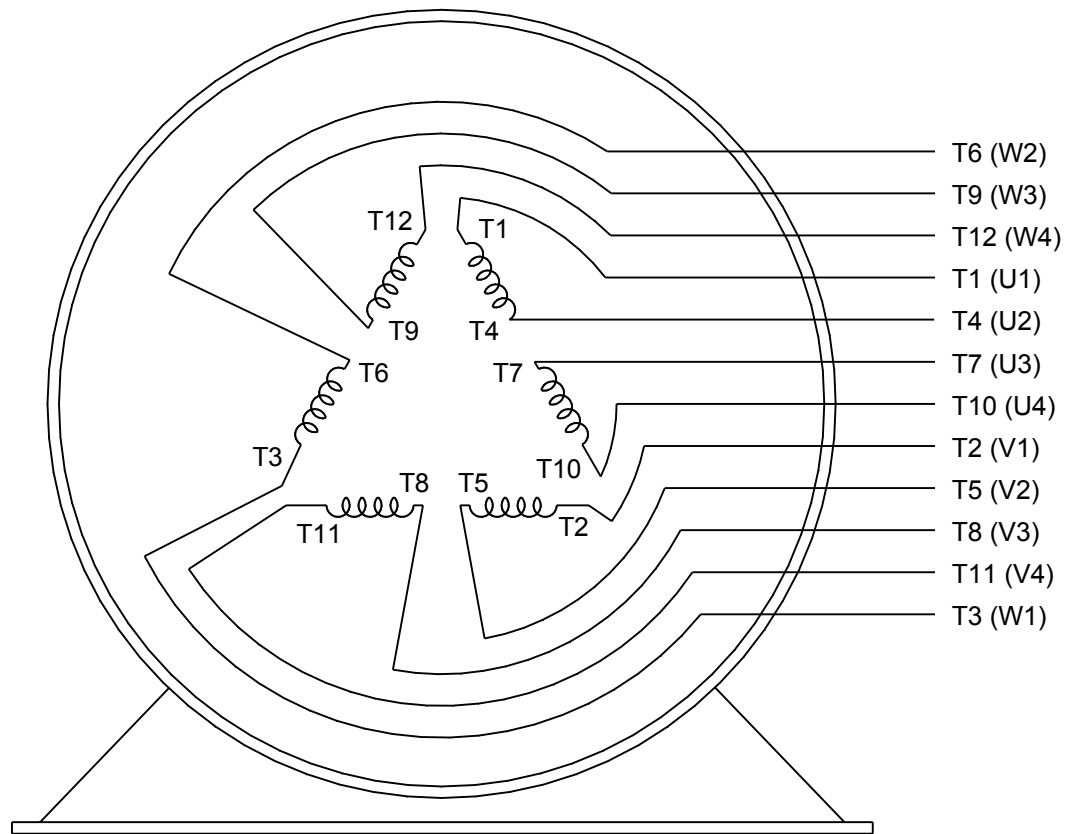
DRAWING REVISION C	REVISION BY S SAHOO	REV DATE/© DATE 17/11/2020	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY NIV	 Regal Beloit America, Inc.			
ECO ECO-0194715	APPROVED BY GNK	DATE 17/11/2020		DATE 25/03/2016				
ECO DESCRIPTION OUTLINE UPDATED				APPROVED BY SBD	DESCRIPTION OUTLINE 360T FR-TEFC			
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				REFERENCE	MATERIAL		PROCESS/FINISH	
				THIRD ANGLE PROJECTION		SIZE B	DRAWING NUMBER SS556999	



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION K	REVISION BY AJW	DATE 07-17-2015
ECO ECO-0081632	APPROVED BY T. VUE	DATE 07-17-2015
ECO DESCRIPTION REV'D IEC MARKINGS PER IEC 60034-8		
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DRAWN BY LZ	THIRD ANGLE PROJECTION
DATE 01-12-1994	
APPROVED BY GK	
DATE 01-14-1994	
REFERENCE	

 Regal Beloit America, Inc.		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS		
MATERIAL	PROCESS/FINISH	
SIZE A	DRAWING NUMBER EE7308AA	SHEET 1 OF 1

CERTIFICATION DATA SHEET

Model#: 365TTFCA6086 AA
 CONN. DIAGRAM: EE7308AA
 OUTLINE: SS556999

WINDING#: HE32256004 NONE 2
 ASSEMBLY: F1/F2 CAPABLE

TYPICAL MOTOR PERFORMANCE DATA

HP	KW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
50&40	37&30	1200	1188&988	365T	TEFC	G	B

PH	Hz	VOLTS	FL AMPS	START TYPE	DUTY	INSL	S.F	AMB°C	ELEVATION
3	60/50	230/460#190/ 380	119/59.5&114/ 57	Y START D RUN OR INV	CONTINUOU S	F7	1.15/1.15	40	3300

FULL LOAD EFF: 94.1&93.6	3/4 LOAD EFF: 94.1	1/2 LOAD EFF: 93.6	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 83.5&83.5	3/4 LOAD PF: 78	1/2 LOAD PF: 68.5	93.6	SQ CAGE INV RATED	50 / 25

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
221 LB-FT	724 / 362	398 LB-FT 180	620 LB-FT 280	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
68 dBA	78 dBA	27.5 LB-FT^2	900 LB-FT^2	20 SEC.	2	1075 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	OPE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1045 HOT ROLLED (C-204)	CAST IRON
6313	6213						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE /n HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

* N O T E S *	INVERTER TORQUE: CONSTANT 10:1
	INV. HP SPEED RANGE: NONE
	ENCODER: NONE NONE NONE NONE NONE PPR
	BRAKE: NONE NONE NONE P/N NONE NONE NONE NONE FT-LB NONE V NONE Hz

DATE: 06/22/2017 03:25:05 AM
 FORM 3531 REV.3 02/07/99
 ** Subject to change without notice.

Data Sheet									
Date:	1/28/2019				365TTFCA6086				
Customer:					marathon[®] Motors				
Attention:					Submittal				
Submitted by:	FAREEDA DUDEKULA				Data @ 460 V				
Motor Load Data									
Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	25.0	28.5	36.8	47.8	60.5	68.8	74.5	362	
Torque (ft-lb)	0.00	55.0	110	165	221	255	277	398	
RPM	1200	1198	1195	1190	1188	1,185	1184	0	
Efficiency (%)		90.2	93.6	94.1	94.1	94.1	93.6		
P.F. (%)	5.0	46.0	68.5	78.0	82.5	83.5	84.0	34.0	
Motor Speed Data									
	LR	Pull-Up	BD	Rated	Idle	Information Block			
Speed (RPM)	0	600	1135	1188	1200				
Current (Amps)	362	290	215	60.5	25.0				
Torque (ft-lb)	398	335	620	221	0.00				
						HP		50.0	
						Sync. RPM		1200	
						Frame		365	
						Enclosure		TEFC	
						Construction		TFS	
						Voltage		230/460#190/380 V	
						Frequency		60 Hz	
						Design		B	
						LR Code letter		G	
						Service Factor		1.15	
						Temp Rise @ FL		60 °C	
						Duty		CONT	
						Ambient		40 °C	
						Elevation		3,300 feet	
						Rotor/Shaft wk ²		27.5 Lb-Ft ²	
Ref Wdg		HE32256004 NONE							
Sound Pressure @ 1M		68 dBA							
VFD Rating		CONSTANT 10:1							
Outline Dwg		SS556999							
Conn. Diag		EE7308AA							
Additional Specifications:									
0									
0									
EQUIV CKT (OHMS / PHASE)									
R1		R2		X1		X2		Xm	
0.0830		0.0500		0.3400		0.6290		10.5460	
Speed -Torque Curve									

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 : 365TTFCA6086

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

Catalog No : GT1038

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 04/14/2023

CE 23