## PRODUCT INFORMATION PACKET



Model No: 449TTFCD6027 Catalog No: GT1073

Globetrotter® General Purpose Motor, 300 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 449T Frame, TEFC



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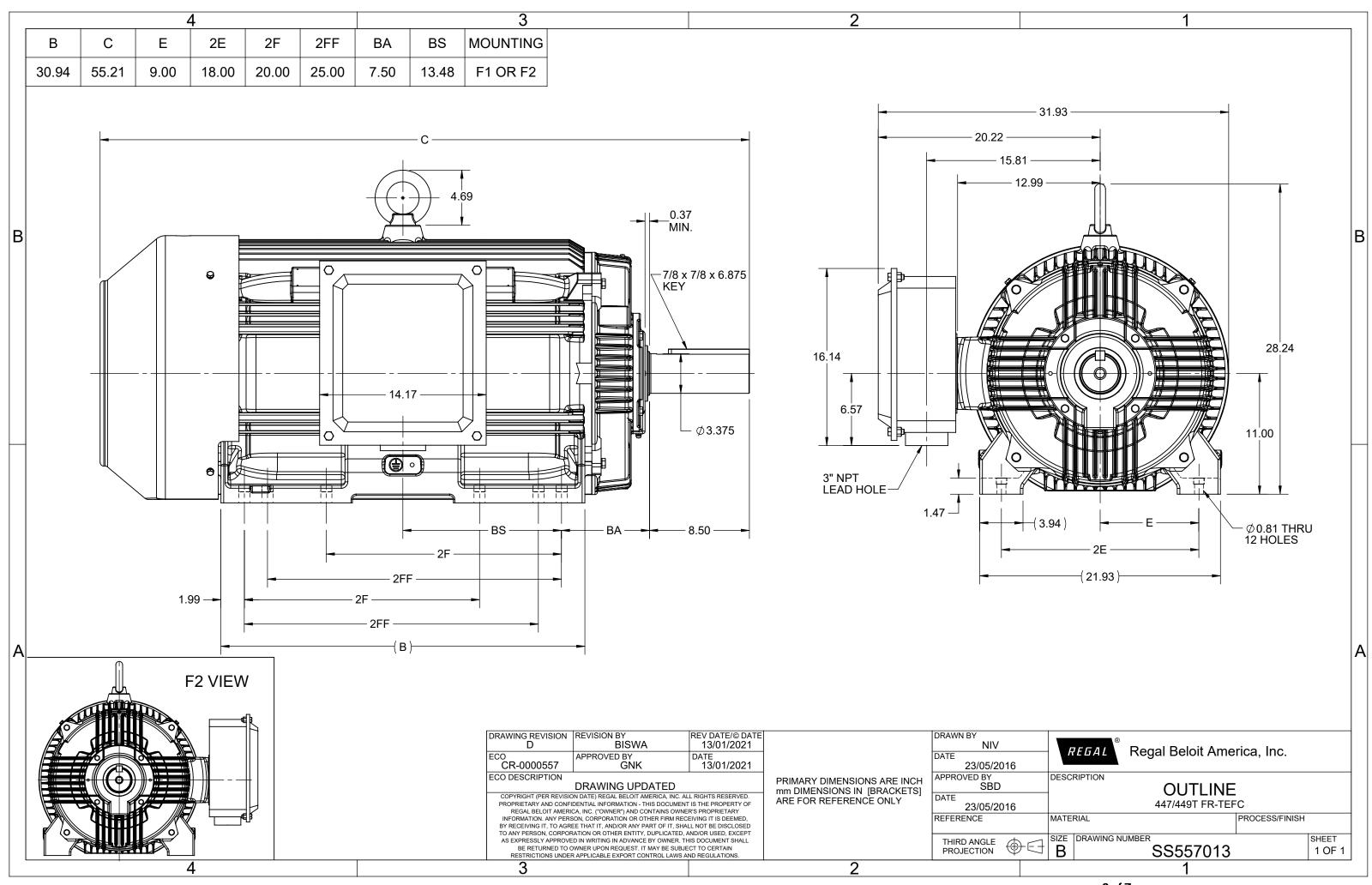
## Nameplate Specifications

Output HP	300 Hp	Output KW	224.0 kW			
Frequency	60 Hz	Voltage	460 V			
Current	332.0 A	Speed	1790 rpm			
Service Factor	1.15	Phase	3			
Efficiency	96.2 %	Power Factor	88.5			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	G			
Frame	449T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317			
UL	Listed	CSA	Υ			
CE	Υ	IP Code	55			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Part Wdg Start Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.013 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7341C	Outline Drawing	SS557013

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EE7341C

### 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

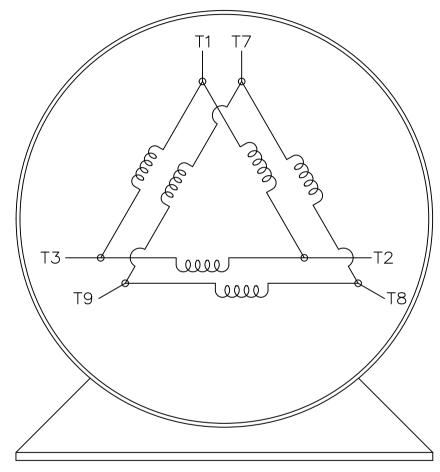
IF MOTOR HAS 2 T'S

## 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



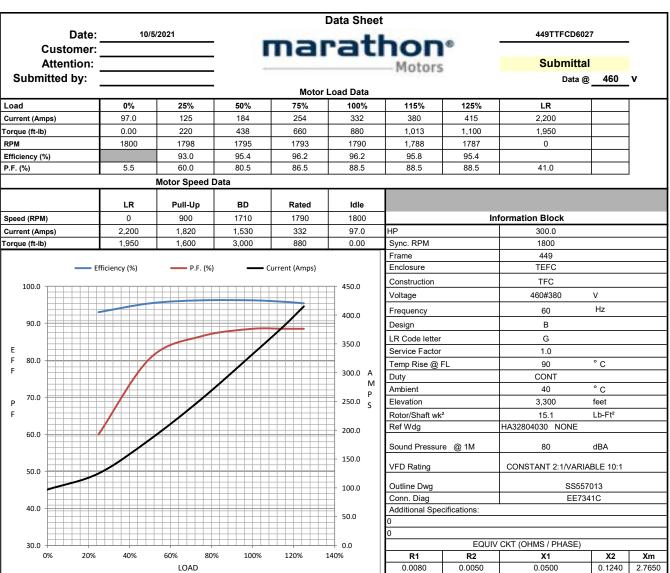
THREE PHASE - PART WINDING START

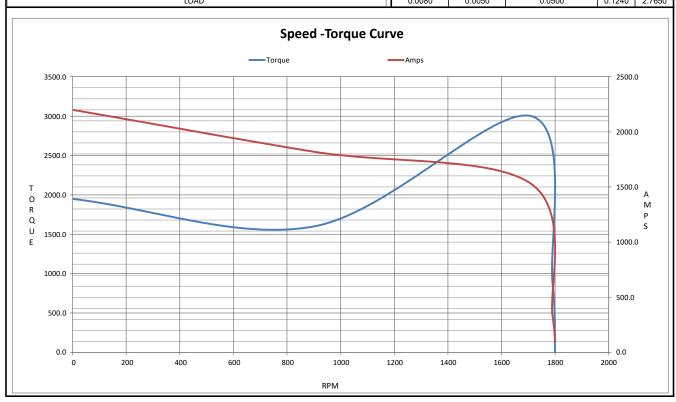
DELTA - 6 LEADS

VIEW OF TERMINAL END

				TOL	ERAI SS SF	NCES PECIFIED					DRAWN	BLR 0	3-09-1998
				DEC.	IN	ICHES	REGAL	REGAL - BELOIT CORPORATION			снк	ML 0	3-23-1998
				.x	±	-				APPD	GK 0	3-23-1998	
				.xx	±	-	TITLE C	CONNECTION DIAGRAM			SCALE		1=1
Ε	NOTE ADDED FOR 2 T'S	NAR 17-12-2020	RC	.xxx	±	-	3ø − 6 LEADS			REF			
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	ЕМН	.xxxx	±	-	MAT'L.				FMF		
NO.	REVISION	BY & DATE	СНК	ANG	±	-	FINISH				PREV		
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							CAD FILE EE7341C		SIZE	DRAWING NO			REV.
					DIST						<del>-</del> 7341	С	E

									P.O. BOX	0002			
										WI 54401-8003			
				ma	ra	athon•			PH. 715-6				
				_		Motors		DAT	A VOLTS:	460			
					CE	RTIFICATION DATA S	HEET						
CUSTON	ER:						CUSTO	MER P.O. #:					
ORDER #	t:					R		E MODEL #:	449TTFCE				
CONN. D		EE7341C SS557013				CAT #: CUSTOMER PART #:			GT1073				
WINDING	NDING: HA32804030 NONE 1						MOUNTING: F1/F2 CAPABLE						
SPEED:				T'	YPICAL	MOTOR PERFORMA	NCE D	ATA					
НР	кw	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN	
300	224	1800	1	790		447/449T	TEFC		TFC	G		В	
PH	HZ	VOLTS		MPS		START TYPE		OUTY	INSL	S.F.	AMB	ELEV.	
3	60/50	460#380	] 33	2&343		PWS OR INVERTER	CONT		F	1.15	40	3300	
	F.L. EFF		3/4 LD EFF	96.2		1/2 LD EFF	95.4	GTD EFF			Г. ТҮРЕ		
	F.L. PF	88.5	3/4 LD PF	86.5		1/2 LD PF	80.5	95.8		SQ CAGE	INV RATED		
F.	L. TORQUE	LR AMPS @	460 V		L.R.	TORQUE		B.D. TORQU	E	F.L. RISE (°	2)		
880	LB-FT	2,200		1,950	LB-FT	222%	3,000	LB-FT	341%	90			
SOUND	PRESSURE @ 3	I	Т										
	FT.	SOUND POWER		OR WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT	
80	dBA	89 dBA	15.10	LB-FT <sup>2</sup>	250	LB-FT <sup>2</sup>	25	SEC.		2	2680	LB.	
					*** SL	PPLEMENTAL INFORMA							
DE BI	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR ORIEN	NTATION	SEVERE DUTY		ARDOUS CATION	DRIP COVER	SCREENS		PAINT	
	TANDARD	STANDARD	RIGID	HORIZON		NO	DIVISION 2 T2B YE		YES	YES NONE		LUE (ENAMEL)	
ļ ,	BEARINGS												
DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHA	AFT MATERIAL	FR	AME MATERIAL	
6319	BALL 6317	POLYREX EM		Т		NONE	١	IONE	1045	HOT ROLLED (C-204)		CAST IRON	
											SPAC	E HEATERS	
THI	NONE	PROTECTORS NOT		ONE		BRG RTD's NONE	THERMISTORS NONE			FALSE	. N		
	NONE	NOT		ONL		NONE		IONE	1	TALOL		INA	
R	0.008	R2 (ohms/ph) 0.005		hms/ph) 0.05		X2 (ohms/ph) 0.124		ohms/ph)	VIBRATION (in/sec) 0.150		FLOAT NONE		
	0.000	0.005	1 '	0.00		U.124		2.765	1	0.150	-1	INOINE	
*										000074017.0.44401401	F 40.4		
N O						INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE							
т													
E S							ENCODER: NONE NONE						
8						NONE NONE PPR							
							BRAKE: NONE						
	PREPARED BY: DATE:	10/5/2021						NOI FT-LB:	NE	NONE NA			
							L	VOLTAGE:		NONE		HZ:	
FORM: 3	531 REV_4	2/27/06					UL:	NO LETTER	<ul> <li>ME,WUXI</li> </ul>	TEFC BLUEWHALE CLAS	SS 1 DIV. 2 UL	. LISTED	







# **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: 449TTFCD6027

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

Catalog No : GT1073

Rework No: N/A

#### Directives:

Low Voltage Directive 2014/35/EU

## Harmonized Standards Used:

EN 60034-1: 2010 (IEC 60034-1: 2010)

Michael A Logsdon

EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

**Authorized Representative:** 

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. Cers

Julian Clark
Marketing Engineer

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