PRODUCT INFORMATION PACKET





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marathon[®] Motors



Product Information Packet: Model No: 449TTFCD16374, Catalog No:GT1073-P Globetrotter® General Purpose Motor, 300 & 250 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 & 1500 RPM, 449T Frame, TEFC

marathon®

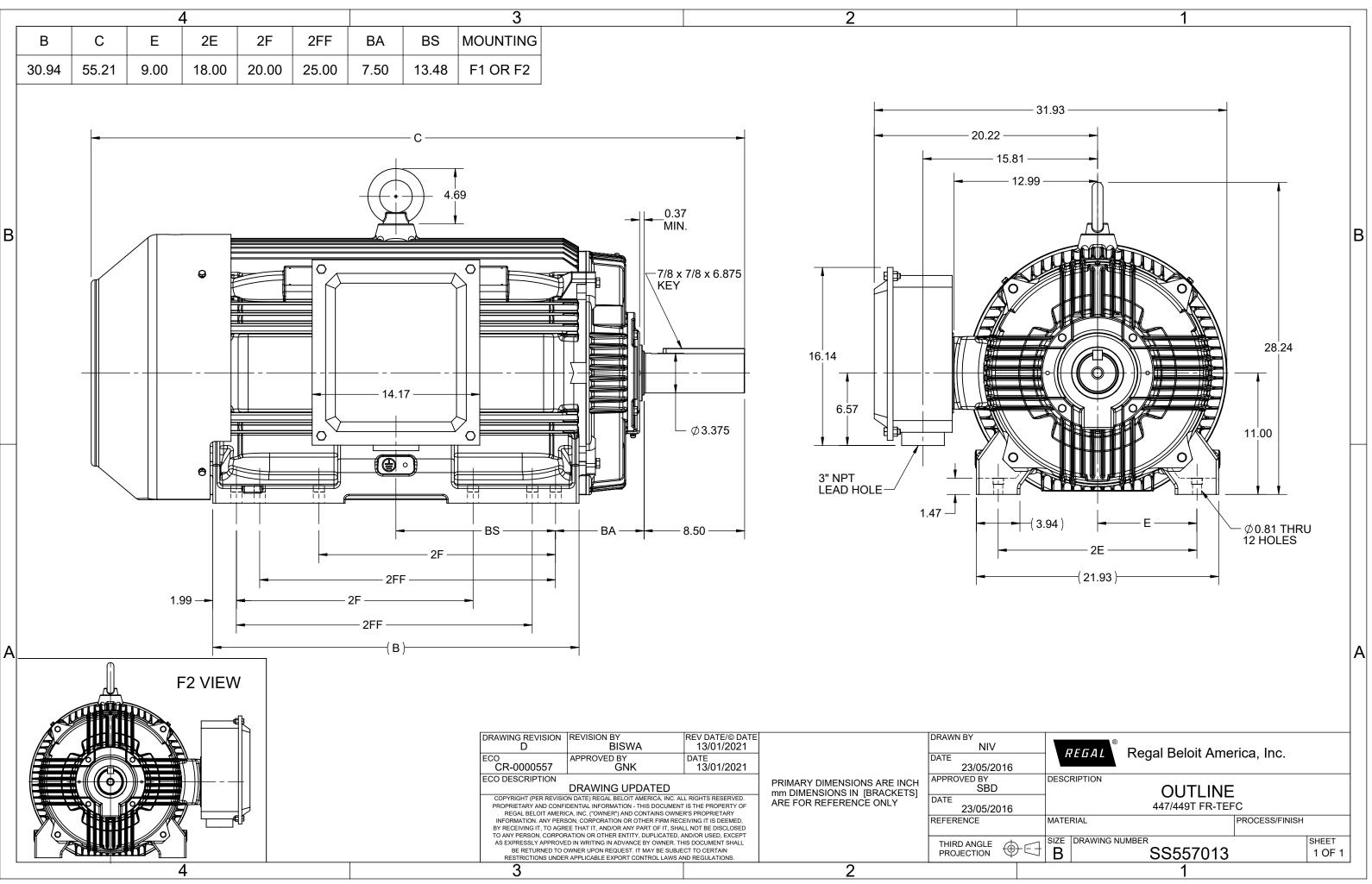
Nameplate Specifications

3	Output HP	300 & 250 Hp
224.0 & 187.0 kW	Voltage	460 & 380 V
1790 & 1488 rpm	Service Factor	1.15 & 1.15
449T	Enclosure	Totally Enclosed Fan Cooled
No Protection	Efficiency	96.2 & 95.6 %
40 °C	Frequency	60 & 50 Hz
332 & 331 A	Power Factor	88.5
Continuous	Insulation Class	F
В	KVA Code	G
6319	Opp Drive End Bearing Size	6317
Recognized	CSA	Y
Y	IP Code	55
1		
	224.0 & 187.0 kW 1790 & 1488 rpm 449T No Protection 40 °C 332 & 331 A Continuous B 6319 Recognized	224.0 & 187.0 kWVoltage1790 & 1488 rpmService Factor449TEnclosure449TEnclosureNo ProtectionEfficiency40 °CFrequency332 & 331 APower FactorContinuousInsulation ClassBKVA Code6319Opp Drive End Bearing SizeRecognizedCSA

Technical Specifications

Electrical Type	al Type Squirrel Cage Inverter Rated		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			

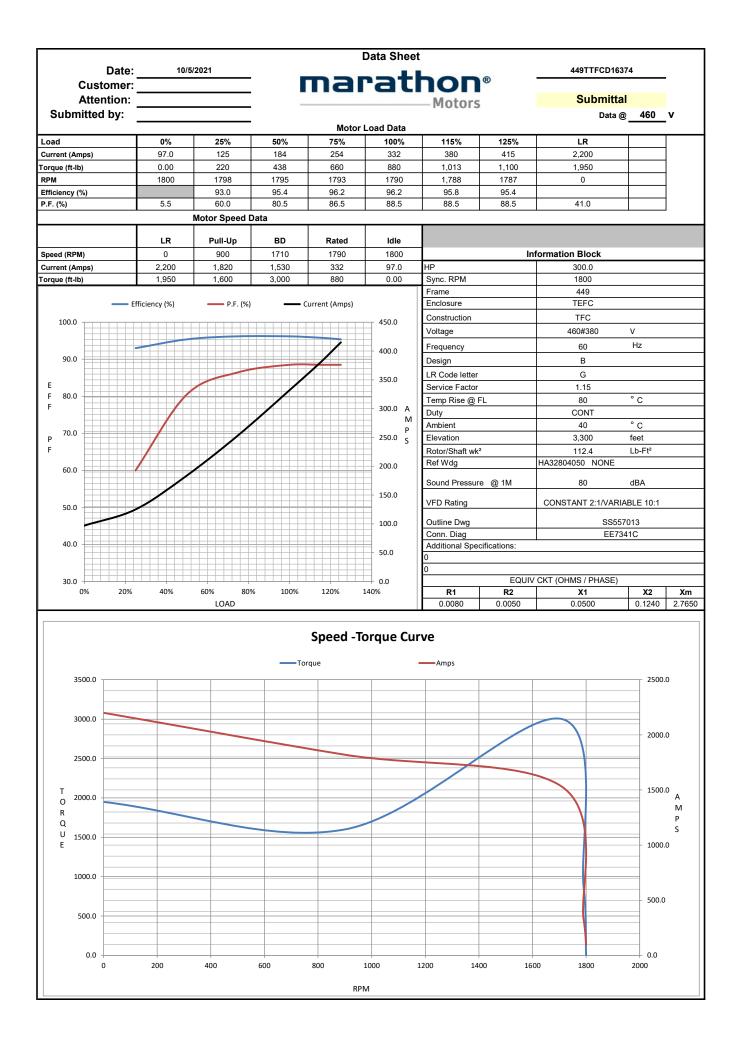
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									EE734	41C
	START	Т	HRE	EE F		E – PART [LTA – 6 L		fart 🗀		
	CONNECT T1 TO LINE 1									
	CONNECT T2 TO LINE 2 CONNECT T3 TO LINE 3									
	T7-T8-T9 OPEN									
						\diamond				
_	RUN		//			/ > /				
	CONNECT T1&T7 TO LINE 1 CONNECT T2&T8 TO LINE 2						\backslash			
	CONNECT TZ&TO TO LINE Z				É		\searrow	\mathbb{N}		
					lee		A A	$\langle \rangle$		
					7	\mathcal{L}	52			
				/	/ /	/				
	IF MOTOR HAS 2 T'S	\\ т;	z					т2 📗		
			ر	0	\sum			12		
	START		ΤS	э 🦯	9	UUU		∖тв∥		
	CONNECT T1,T1 TO LINE 1									
	CONNECT T2,T2 TO LINE 2	//								
	CONNECT T3,T3 TO LINE 3		Ń	<u> </u>			//	//		
	T7,T7-T8,T8-T9,T9 OPEN		/	\sim				\		
	RUN	/						\backslash		
	ONNECT T1,T1&T7,T7 TO LINE 1									
CC	NNECT T2,T2&T8,T8 TO LINE 2									
	NNECT T3,T3&T9,T9 TO LINE 3				VIE	W OF TERMI	NAL END			
\vdash				TOLER	ANCES SPECIFIED					03-09-1998
				DEC.		REGAL	REGAL - BELOIT	CORPORATION	CHK ML	03-23-1998
<u> </u>				.x ± .xx ±					APPD GK SCALE	03-23-1998 1=1
E	NOTE ADDED FOR 2 T'S	NAR 17-12-2020		.xxx ±			CONNECTION DIAG 30 - 6 LEADS		REF	
D	RE-DRAWN WITH REGAL LOGO ECO-0110493	WGJ 09-30-2016	EMH	.xxxx ±	-	MAT'L.			FMF	
NO.	REVISION	BY & DATE	снк	ANG ±	-	FINISH			PREV	
	THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BI		RFP			CAD FILE EE7341C				
Ŀ	THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE		DIST						E7341C	E

				ma	Га	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003				
					CE	RTIFICATION DATA S	HEET							
CUSTON								MER P.O. #:						
ORDER # CONN. D		RI						E MODEL #: CAT #:	449TTFCD	GT1073-P				
OUTLINE: WINDING: SPEED:		SS557013 HA32804050	NONE	1			CUSTOMER PART #: MOUNTING: F1/F2 CAPABLE							
-				יד	YPICAL	MOTOR PERFORMA	NCE D	ATA						
HP	кw	SYNC RPM	FL	RPM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN		
300	224	1800	1	790		447/449T	TEFC		TFC	G		В		
РН	HZ	VOLTS	AI	MPS		START TYPE	ם	UTY	INSL	S.F.	AMB	ELEV.		
3	60/50	460#380		2&331		PWS OR INVERTER	CONT		F	1.15	40	3300		
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	96.2 86.5		1/2 LD EFF 1/2 LD PF	95.4 80.5	GTD EFF 95.8	ELECT. TYP SQ CAGE INV R/					
F.	L. TORQUE	LR AMPS @	460 V		L.R.	TORQUE	B.D. TORQUE		F.L. RISE (° C)	1				
880	LB-FT	2,200		1,950 L	LB-FT			LB-FT	341% 80					
SOUND PRESSURE @ 3 FT.		SOUND POWER		DR WK ²		MAX. LOAD WK ²	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR WGT		
80	dBA	89 dBA	112.40	LB-FT ²	250	LB-FT ²	30	SEC.		2	2700	LB.		
			MOUNT		*** SU	PPLEMENTAL INFORMA		-	DRIP		1			
	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN		SEVERE DUTY	HAZARDOUS LOCATION		COVER	SCREENS	PAINT			
5	STANDARD	STANDARD	RIGID	HORIZON	IAL	NO	N	ONE	YES	NONE	В	LUE (ENAMEL)		
BEARINGS DE ODE		GREASE	SHAF	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL			
BALL 6319				NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON					
THERMOSTATS		PROTECTORS		RTD's		BRG RTD's	THERMISTORS		CONTROL		SPACE HEATERS			
	NONE	NOT	N	ONE	NONE		NONE		FALSE		NA			
R	1 (ohms/ph)	R2 (ohms/ph)		hms/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
	0.008	0.005	C	0.05		0.124	2	.765		0.150		ODE		
* N O T							IN	INVERTER		CONSTANT 2:1/VARIABLE NONE	10:1			
E S						ENCODER: NONE NONE								
*	•						NONE NONE PPR					PPR		
PREPARED BY: DATE: 10/5/2021						NNE NONE FT-LB: NA VOLTAGE: NONE HZ								
FORM: 3	ORM: 3531 REV_4 2/27/06								UL: V - LI,ME-INS,CONST UL REC					





www.regalbeloit.com

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: 449TTFCD16374

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

Catalog No : GT1073-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

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer