PRODUCT INFORMATION PACKET





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marathon® Motors

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Product Information Packet: Model No: 445TTFCD6102, Catalog No:GT10133 Globetrotter® General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 900 & 750 RPM, 445T Frame, TEFC

marathon®

Nameplate Specifications

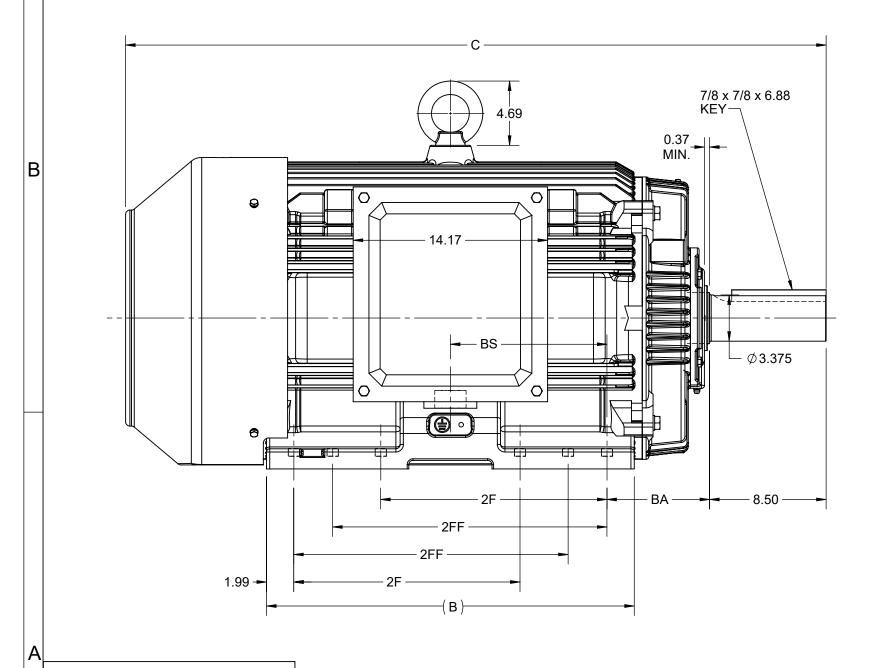
Phase	3	Output HP	125 & 100 Hp 460 & 380 V			
Output KW	93.0 & 75.0 kW	Voltage				
Speed	890 & 742 rpm	Service Factor	1.15 & 1.15			
Frame	445T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	94.1 & 94.5 %			
Ambient Temperature	40 °C	Frequency	60 & 50 Hz			
Current	162 & 156 A	Power Factor	76.2			
Duty	Continuous	Insulation Class	F			
Design Code	В	KVA Code	G			
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317			
UL	Recognized	CSA	Y			
CE	Y	IP Code	55			
Number of Speeds	1					

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	8	Rotation	Reversible
Resistance Main	.0317 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
Outline Drawing	SS621198	Connection Drawing	EE7300

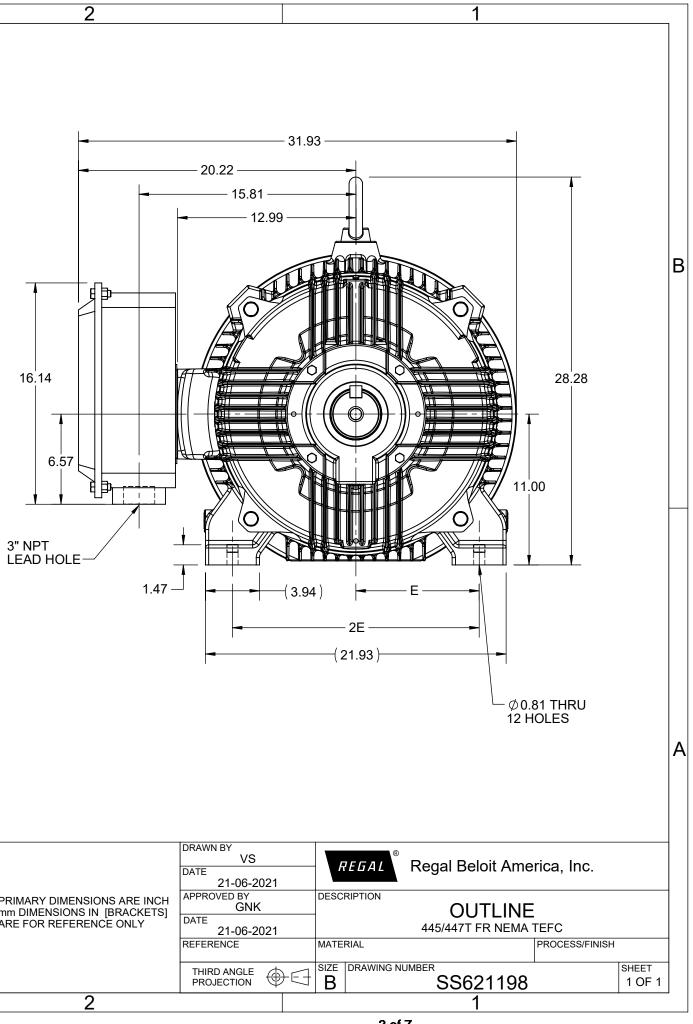
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4							3					
	В	С	E 2E 2F		2FF	BA	BS MOUNTING					
	26.81	51.08	9.00	18.00	16.50	20.00	7.50	11.42	F1 OR F2]		



F2 VIEW

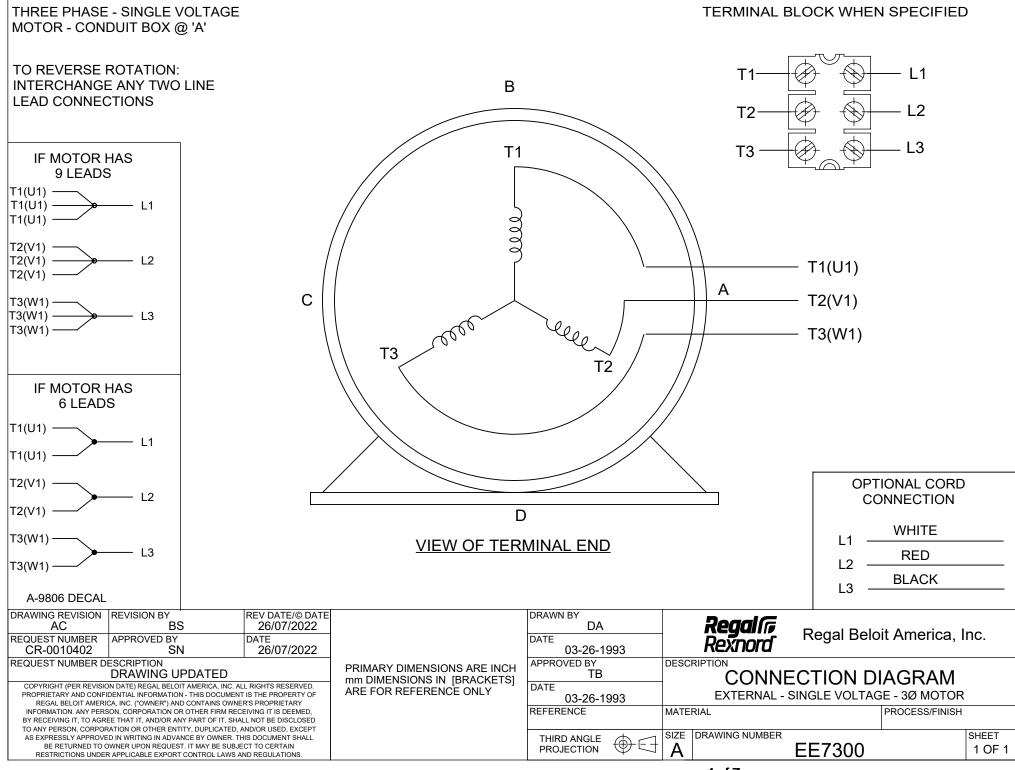
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DRAWING REVISION B	REVISION BY	REV DATE/© DATE 22-07-2021		DRAWN BY VS	
ECO CR-0003684	APPROVED BY GNK	DATE 22-07-2021		DATE 21-06-2021	
ECO DESCRIPTION	VIEWS UPDATED		PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS]	APPROVED BY GNK	
PROPRIETARY AND CONFI REGAL BELOIT AMERI	DN DATE) REGAL BELOIT AMERICA, INC. DENTIAL INFORMATION - THIS DOCUME CA, INC. ("OWNER") AND CONTAINS OWN SON, CORPORATION OR OTHER FIRM RE	NT IS THE PROPERTY OF	ARE FOR REFERENCE ONLY	DATE 21-06-2021 REFERENCE	
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				ma	ara	athon® Motors		DAT	P.O. BOX WAUSAU, PH. 715-6 A VOLTS:	WI 54401-8003			
					CE	RTIFICATION DATA S	HEET						
CUSTON								MER P.O. #: E MODEL #:		6400			
CONN. D	IAGRAM:	EE7300 SS621198						CAT #: ER PART #:	44511FCD	GT10133			
WINDING SPEED:): 	HA32808001	NONE	1					F1/F2 CAP	ABLE			
HP	ĸw	SYNC RPM	FL	RPM	YPICAL	MOTOR PERFORMA		ATA	TYPE	KVA CODE		DESIGN	
125	93	900	1	390		445T	т	EFC	TFN	G		В	
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB	ELEV.	
3	60/50	460#380		2&156		LINE OR INVERTER		ONT	F	1.15	40	3300	
	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	94.1 70.8		1/2 LD EFF 1/2 LD PF	93.8 59.5	GTD EFF 93.6	ELECT. TYPE SQ CAGE INV RATED				
	L. TORQUE LB-FT	LR AMPS @ 890	460 V	1,265	L.R. TORQUE LB-FT 171%				F.L. RISE (° C)				
SOUND	PRESSURE @ 3	SOUND POWER	DOT	DR WK ²		MAX. LOAD WK ²	6455 G	TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT	
72	FT. dBA	81 dBA	129.72		860 LB-FT ²		60	SEC.		2	2310		
					*** SL	PPLEMENTAL INFORMA							
	RACKET TYPE	ODE BRACKET TYPE STANDARD	MOUNT TYPE RIGID	MOTOR ORIE			HAZARDOUS LOCATION NONE		DRIP COVER YES	SCREENS NONE			
	BEARINGS										1		
DE	ODE BALL	GREASE POLYREX EM		T TYPE		NONE			SHAFT MATERIAL 1045 HOT ROLLED (C-204		CAST IRON		
6319	6317	FOLTREX EIM		1		NONE	IN .	ONE	1045	HOT KOLLED (C-204)		CASTINON	
THERMOSTATS		PROTECTORS		RTD's		BRG RTD's		MISTORS		CONTROL	SPACE HEATERS		
NONE		NOT	N	ONE	NONE		NONE		FALSE		NA		
R1 (ohms/ph) 0.019		R2 (ohms/ph) 0.016		hms/ph) .158	X2 (ohms/ph) 0.301			hms/ph) .343	VIBRATION (in/sec) 0.150			FLOAT ODE	
• N N O T							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE						
E S	E S					ENCODER: NONE NONE NONE NONE NONE NONE NONE NONE				PPR			
PREPARED BY: DATE: 11/17/2021								BRAKE: NON FT-LB: VOLTAGE:		NONE NA NONE	NONE		
FORM: 3	FORM: 3531 REV_4 2/27/06							VOLTAGE: NONE HZ: UL: V - LI,ME-INS,CONST UL REC HZ: HZ:					





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: 445TTFCD6102

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

Catalog No : GT10133

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