PRODUCT INFORMATION PACKET

Model No: 445TSHFCD9005 Catalog No: W616A XRI®-841 Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E







Product Information Packet: Model No: 445TSHFCD9005, Catalog No:W616A XRI®-841 Severe Duty Motor, 200 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, TEFC

marathon®

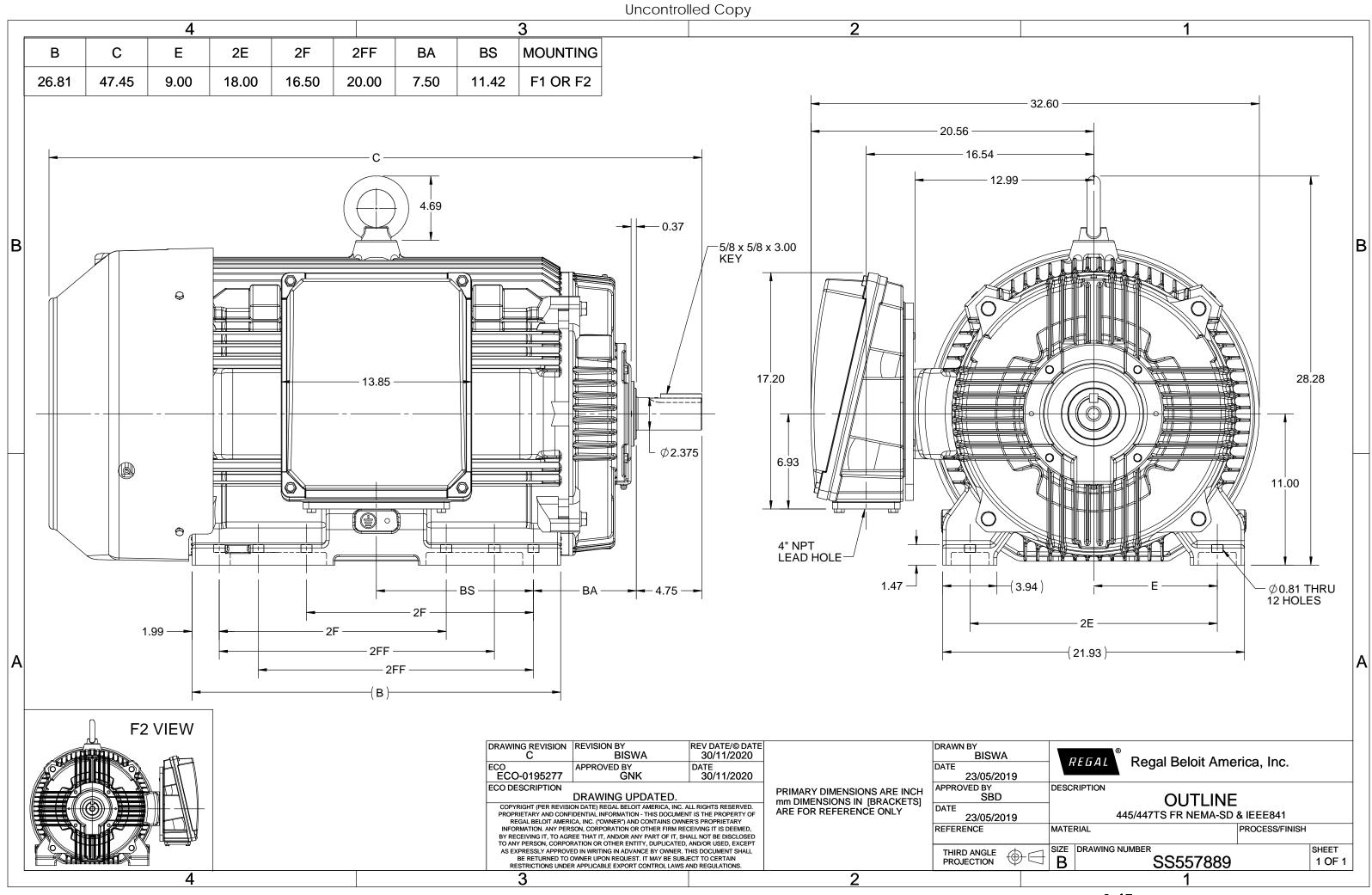
Nameplate Specifications

Output HP	200 Нр	Output KW	149.0 kW			
Frequency	60 Hz	Voltage	460 V			
Current	217.0 A	Speed	3580 rpm			
Service Factor	1.15	Phase	3			
Efficiency	95.4 %	Power Factor	90.5			
Duty	Continuous	Insulation Class	Н			
Design Code	A	KVA Code	н			
Frame	445TS	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6314	Opp Drive End Bearing Size	6314			
UL	Listed	CSA	Y			
CE	Y	IP Code	56			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

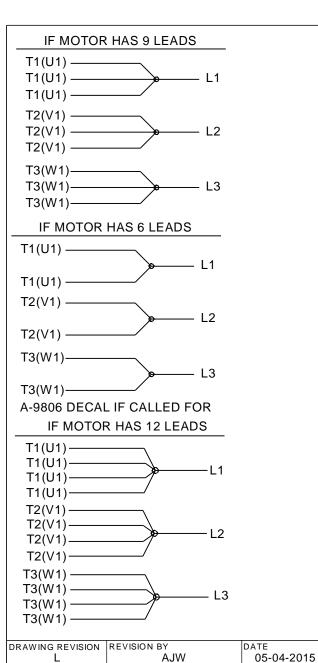
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	2	Rotation	Reversible			
Resistance Main	.16 Ohms	Mounting	Rigid Base			
Motor Orientation	Horizontal	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	тѕ	Shaft Diameter	2.375 in			
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1			
connection Drawing EE7300U		Outline Drawing	SS557889			

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/29/2022



3 of 7

Uncontrolled Copy



APPROVED BY

EWH

UPDATED TO SOLIDWORKS

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

DATE

05-05-2015

DEC.

.Х

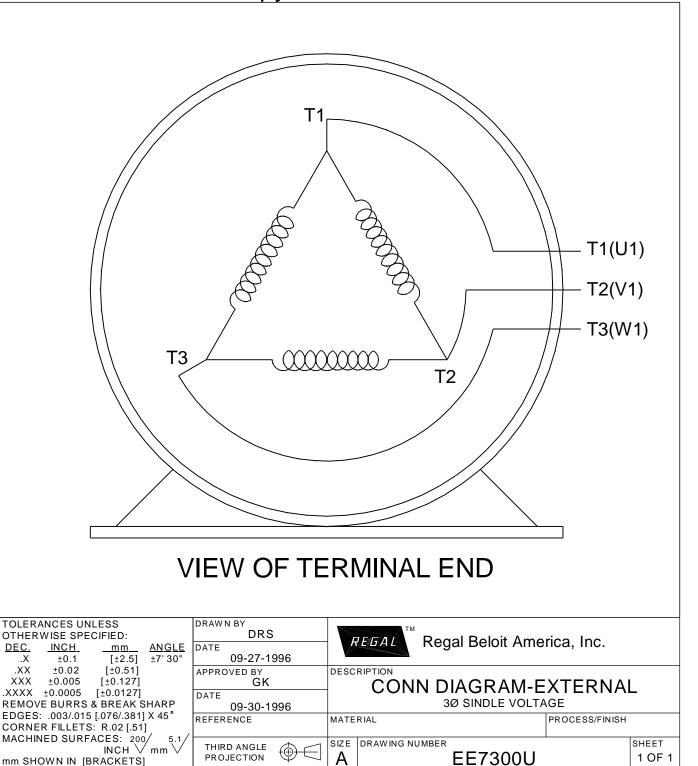
.XX

XXX

ECO

ECO-0077067

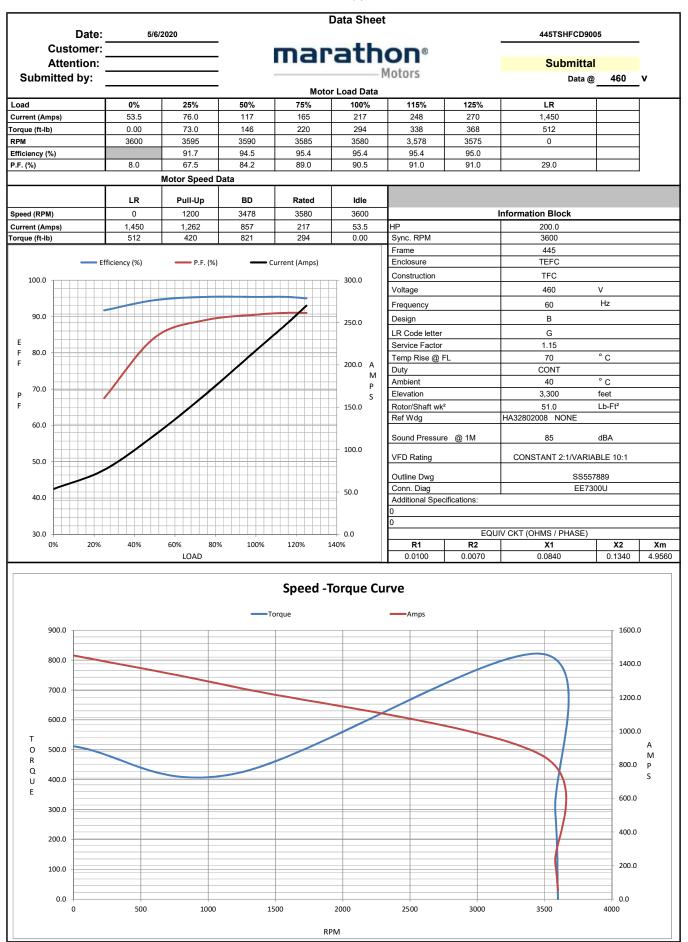
ECO DESCRIPTION



Uncontrolled Copy

				ma	ara	thon® Motors				DATA VOLTS:	460	
					CER	TIFICATION DATA S	HEET			DATA VOLIS.	400	
CONN. DIA OUTLINE: WINDING:		EE7300U SS557889 HA3280200	8 NONE	1 TY	PICAL	R		CAT #:	445TSHFCD90 We F1/F2 CAPABL	616A		
HP	ĸw	SYNC RPM	EL PI						TYPE KVA CODE			DESIG
200	149	3600		FL RPM FRAME 3580 445TS			ENCLOSURE TYPE TEFC TFC			G		B
PH 3	HZ 60	VOLTS 460	217			START TYPE		ONT	INSL H	S.F. 1.15	AMB (° C) 40	ELEV. (I 3300
· ·					· · · ·				· · · · ·			
F.L. EFF F.L. PF				95.4 89.0				ELECT. TYPE SQ CAGE INV RATED				
F.L. TO		LR AMP	s		LE	L.R. TORQUE B.D. TOR		B.D. TORQ	QUE F.L. RISE (° C)		(° C)	
	LB-FT	1,450		512 LB-FT		174%	821 LB-FT		279%	70		
SOUND P	RESSURE	SOUND	ROTOR			MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	AP	ROX.
85	dBA	94 dBA	51.0	LB-FT ²	130	LB-FT ²	15	SEC.		2	2303 LB.	
					*** SUF	PLEMENTAL INFORMA	TION ***					
DE BRACKET TYPE		ODE BRACKET TYPE	MOUNT TYPE	ORIEN	OTOR NTATION SEVERE DUTY		HAZA LOC	ARDOUS CATION	DRIP COVER SCREENS		PAINT	
STAN	IDARD	STANDARD	RIGID	HORIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (EPOXY)
BEAR	BEARINGS GREASE		SHAFT	TYPE	YPE SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIA	
BALL 6314	BALL 6314	POLYREX EM	TS			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
		PROTECTORS NOT	WDG R		BRG RTD's			MISTORS	CONTROL FALSE		SPACE HEATERS NA	
NONE		R2 (ohms/ph)	X1 (ohrr		NONE							
R1 (ohms/ph) 0.01		0.007	0.08		X2 (ohms/ph) 0.134			.956	VIBRATION (in/sec) 0.080			
* N O T							If Inverter	INVERT		for further inform CONSTANT 2:1 NONE		10:1
E S						ENCODER: NONE NONE		NONE	PPR			
	ARED BY: DATE:	5/13/2020						BRAKE: N FT-LB: VOLTAGE:	3NC	NON NA ONE	E	на

Uncontrolled Copy





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: 445TSHFCD9005

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

Catalog No : W616A

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

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer