PRODUCT INFORMATION PACKET



Model No: 445TTFCD6586 Catalog No: E647A

XRI®-SD Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445T Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 445TTFCD6586, Catalog No:E647A XRI®-SD Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445T Frame, TEFC



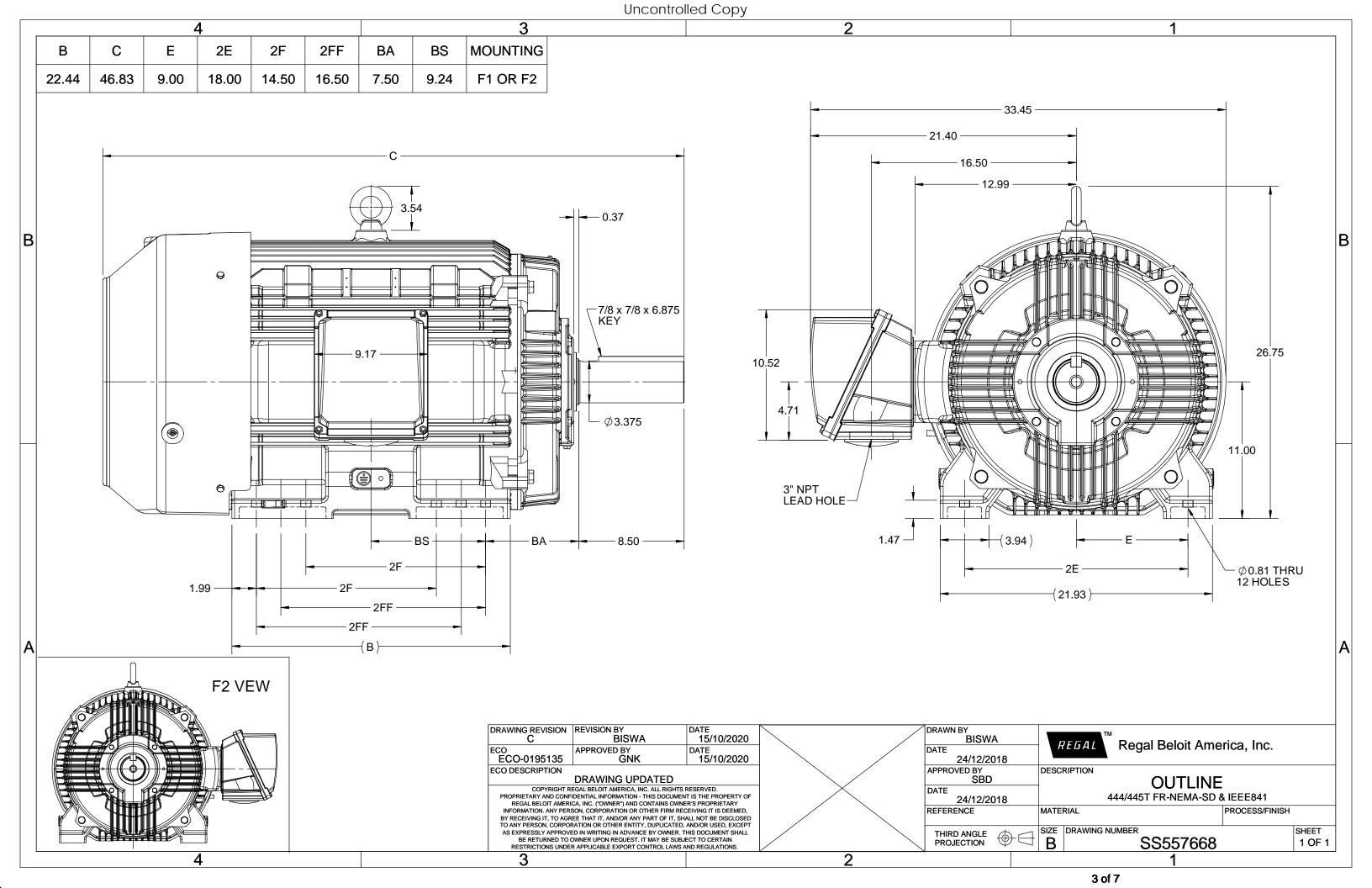
Nameplate Specifications

Phase	3	Output HP	125 Hp
Output KW	93.0 kW	Voltage	460 V
Speed	1190 rpm	Service Factor	1.15
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	95 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	143.0 A	Power Factor	86
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6319	Opp Drive End Bearing Size	6317
UL	Listed	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

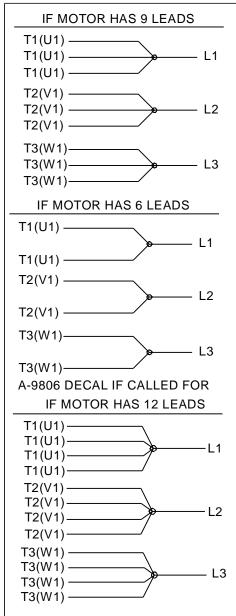
Technical Specifications

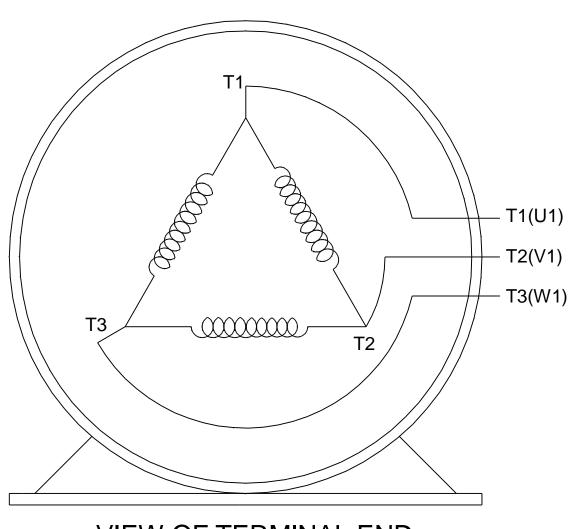
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.0353 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS557668	Connection Drawing	EE7300U

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/18/2024



Uncontrolled Copy





VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO	APPROVED BY	DATE
ECO-0077067	EWH	05-05-2015
ECO DESCRIPTION		

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.

IOLLINA	TINGES ON	ILLUU	
OTHER'	WISE SPE	CIFIED:	
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±7' 30"
.XX		[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOV	E BURRS	& BREAK S	HARP
EDGES:	.003/.015	[.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	mm 🗸
mm SHO	OWN IN [E	BRACKETS]	

TOLERANCES LINLESS

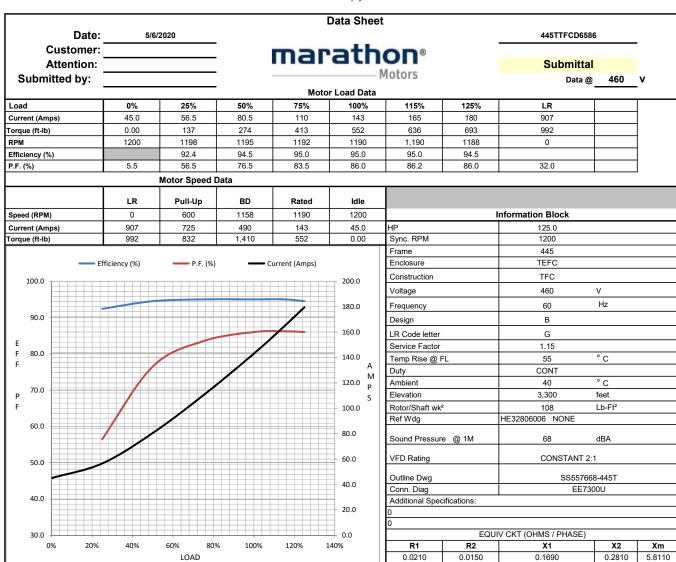
	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, Inc.		
	APPROVED BY GK DATE 09-30-1996	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE				
,	REFERENCE	MATE	RIAL	PROCESS/FINISH		
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1	

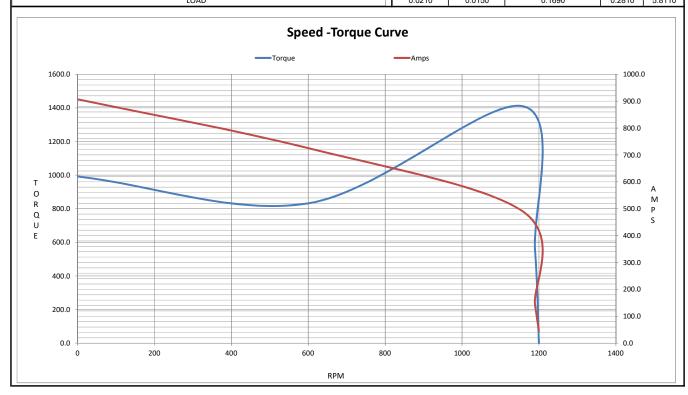


DATA VOLTS: 460

CERTIFICATION DATA SHEET

						CER	TIFICATION DATA S	HEET					
CONN. DIA	AGRAM:	EE7300U					F	REFERENC	E MODEL #: CAT #:	445TTFCD658	66 647A		-
OUTLINE: WINDING:		SS557668-4 HE3	445T 32806006	NONE	1				MOUNTING:	F1/F2 CAPABI	.E		
					TY	PICAL I	MOTOR PERFORMA	NCE D	ATA				
HP	KW	SYNC	RPM	FL RF	M		FRAME	ENCLOSURE		TYPE KVA CO		DDE	DESIGN
125	93	120	00	1190	90 445T		TEFC		TFC G		В		
PH	HZ	VOL		AMP		<u> </u>	START TYPE		UTY	INSL	S.F.		ELEV. (Ft)
3	60	460	U	143			INE OR INVERTER		ONT	Н	1.15	40	3300
	F.L. EFF	95.0		3/4 LD EFF	95.0		1/2 LD EFF	94.5	GTD EFF		ELECT. T	/PE	
	F.L. PF	86.0		3/4 LD PF	83.5		1/2 LD PF	76.5	94.5		SQ CAGE INV	RATED	
FI TO	ORQUE	-	LR AMPS	1		I R	. TORQUE		B.D. TORQ	IIF	F.L. RISE	(°C)	l
	LB-FT		907		992	LB-FT	180%	1,410	LB-FT	255%	55		
	DE0011DE	2011			141142	1		0.55			20110110		
	RESSURE dBA	77 d	ND dBA	ROTOR 108	WK ² LB-FT ²	1400	MAX. LOAD WK ² LB-FT ²	SAFE S	SEC.	-	S/HOUR 2		LB.
- 00	UDA	11	ири	,	LD-1 1	1400	LD-1 I	25	JEC.			1901	LB.
							PLEMENTAL INFORMA						
DE BRAC	KET TYPE	ODE BRA		MOUNT TYPE		TOR	SEVERE DUTY		ARDOUS CATION	DRIP COVER	SCREENS	PΔ	INT
STANDARD		STANDARD RIGID					PREMIUM SEVERE DUTY			NO NONE		BLUE (EPOXY)	
												1	
DE	RINGS ODE	GREA	ASE	SHAFT 1	YPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL
BALL	BALL	POLYRE	EX FM	т		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6319	6317	TOETIKE				None		NONE		1040110111000000 (0-204)		CASTINON	
												SP	ACE
THERM	OSTATS	PROTEC	CTORS	WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		HEATERS	
NC	NE	NO	Т	NON	E		NONE	N	ONE	FA	LSE	N	IA.
R1 (oh	ms/ph)	R2 (ohn	ns/ph)	X1 (ohm	s/ph)		X2 (ohms/ph)	Xm (ohms/ph)	VIBRATION	ON (in/sec)	FLO	DAT
0.0	021	0.01	15	0.16	9		0.281	5	5.811	0.	080	0	DE
*								If Inverter	equale NONE	contact factors	for further inforn	nation	
N								ii iiiveitei			CONSTANT 2:1		
0									INV. HP SP	EED RANGE:	NONE		
T										NONE			
E S									ENCODER: NONE	NUNE			
*									NONE			NONE	PPR
									BRAKE:				
PREP	ARED BY:									ONE	NON	E	
	DATE:	5/13/2	2020						FT-LB: VOLTAGE:		NA ONE		HZ:
FORM: 35	31 REV 4	2/27/06							VOLTAGE:	N	JNE		HZ:
		ithout notice	e.										
,	J												







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: 445TTFCD6586

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

Catalog No: E647A

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

Created on 09/01/2022

Vice President, Technology

Authorized Representative in the Community:

J. Cers

Julian Clark Marketing Engineer

(€ 22