PRODUCT INFORMATION PACKET



Model No: 445TSHFCD9001 Catalog No: W610A

XRI®-841 Severe Duty Motor, 150 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





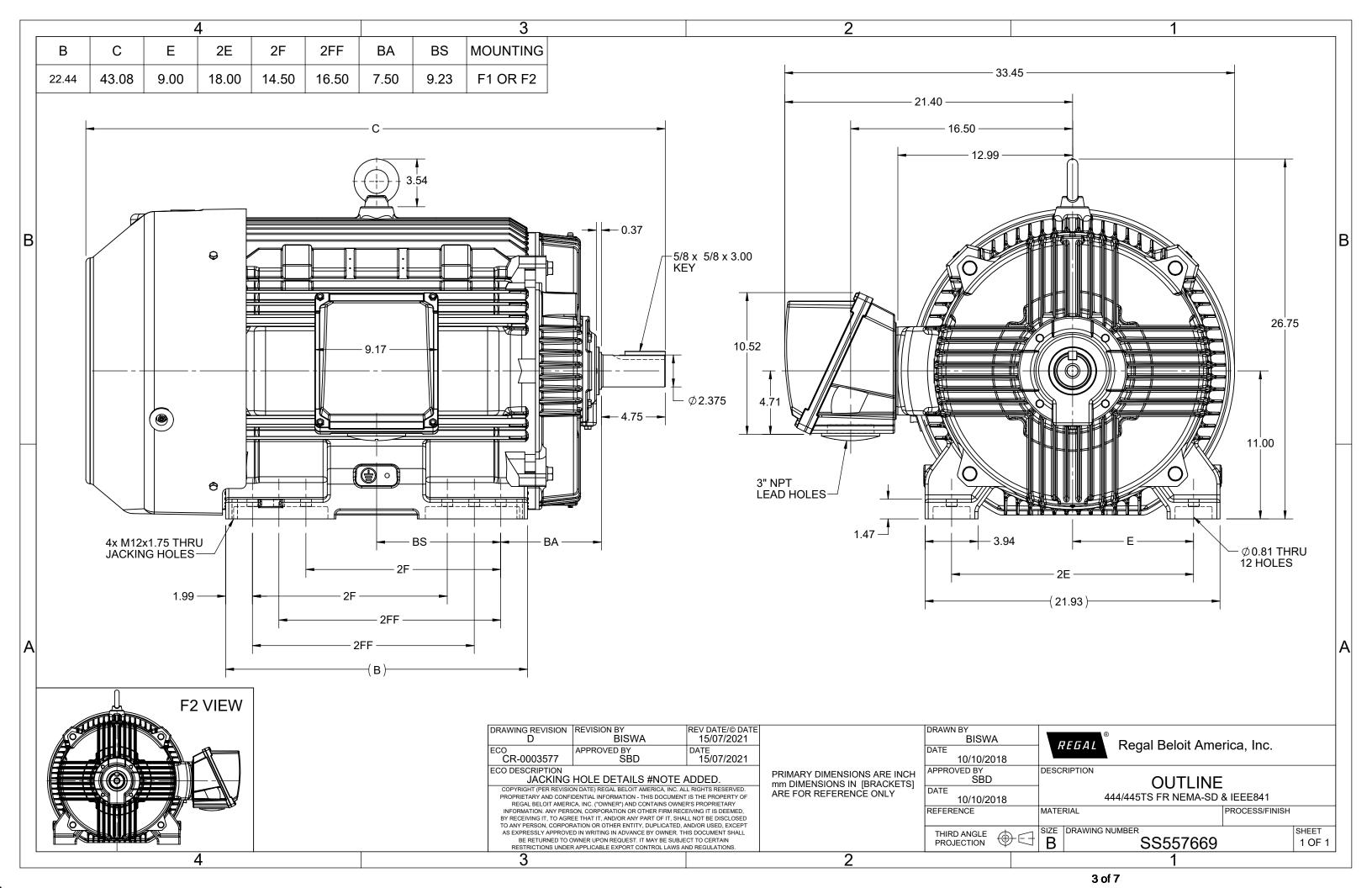
Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	161.0 A	Speed	3575 rpm
Service Factor	1.15	Phase	3
Efficiency	95 %	Power Factor	90
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
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	Υ
CE	Υ	IP Code	56
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

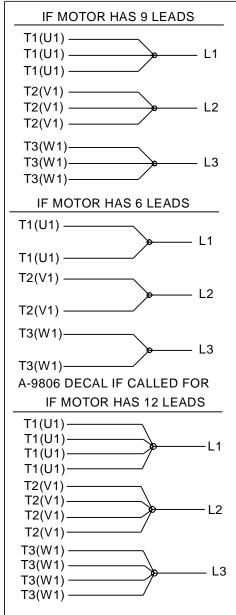
Technical Specifications

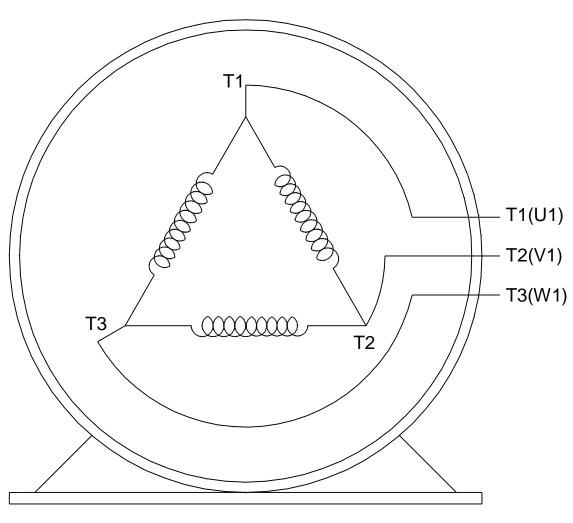
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.0304 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	TS	Shaft Diameter	2.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300U	Outline Drawing	SS557669

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



Uncontrolled Copy





VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO 0077007	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.

ı	IOLLIVANO	LOUN	LLSS	
	OTHERWIS	E SPE	CIFIED:	
	DEC. IN	ICH_	<u>mm</u>	<u>ANGLE</u>
	.X	±0.1	[±2.5]	±7' 30"
			[±0.51]	
	XXX ±0	0.005	[±0.127]	
	.XXXX ±0.	0005	[±0.0127]	
	REMOVE B	URRS	& BREAK S	HARP
	EDGES: .00			
	CORNER F	ILLETS	: R.02 [.51]	
	MACHINED	SURF		
			INCH ∨	mm V
	mm SHOWI	N IN [B	RACKETS]	

TOLERANCES LINLESS

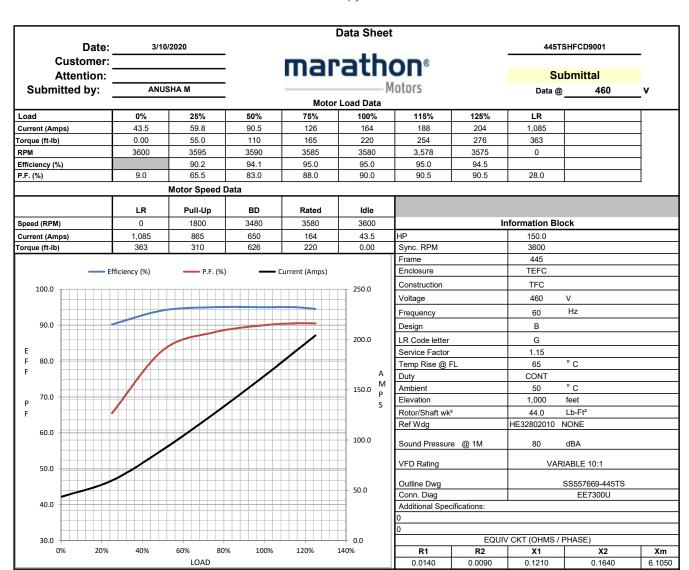
	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit America, Inc.							
	APPROVED BY GK	DESC	DESCRIPTION CONN DIAGRAM-EXTERNAL							
	DATE 09-30-1996	3Ø SINDLE VOLTAGE								
,	REFERENCE	MATE	RIAL	PROCESS/FINISH						
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1					

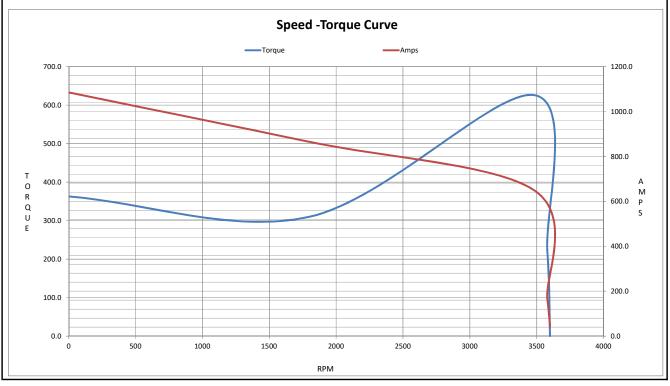


DATA VOLTS: 460

CERTIFICATION DATA SHEET

									MODEL #:	445TSHFC			_
CONN. DIA		EE7300U	то.						CAT #:		W610A		
OUTLINE: WINDING:		SS557669-445 HE32802010	015	NONE	1				MOUNTING:	F1/F2 CAP	PABLE		
					7	TYPICAL	. MOTOR PERFORMA	ANCE D	ATA				
НР	кw	SYNC RF	M	FLR	PM	FRAME			ENCLOSURE TYPE		KVA CODE		DESIGN
150	112	3600		358	80		445TS		TEFC		TFC G		В
PH	HZ	VOLTS					DUTY		INSL	S.F.	AMB (° C)	ELEV.(F1	
3	60	460		16-	4		LINE OR INVERTER	(CONT	Н	1.15	40	3300
	F.L. EFF	95.0		3/4 LD EFF	95.0		1/2 LD EFF	94.1	GTD EFF		ELECT		
	F.L. PF	90.0		3/4 LD PF	88.0		1/2 LD PF	83.0	94.5		SQ CAGE II	NV RATED	
F.L. T	ORQUE	LR AN	MPS @	460 V		L.F	R. TORQUE		B.D. TORQUI	E	F.L. RISE	(° C)	
220	LB-FT		1,085		363	LB-FT	165%	626	LB-FT	285%	65		
SOUND PR	RESSURE @	SOUND)	ROTOR	R WK²		MAX. LOAD WK ²	SAFE S	STALL TIME	ST	ARTS/HOUR	APROX.	мото
80	dBA	89 dB .	Α	44.0	LB-FT ²	120	LB-FT ²	15	SEC.		2	1950	LB.
				•		*** SI	JPPLEMENTAL INFORMA	TION **	*				
DE DDAC	KET TYPE	ODE BRAC	KET			OTOR SEVERE DUTY		HAZARDOUS		DRIP	SCREENS	PAINT	
	NDARD	STANDA	RD	RIGID		ZONTAL	PREMIUM SEVERE DUTY	LOCATION DIVISION 2 T2B		NO	NONE		
BEAL	RINGS					1							
DE	ODE	GREAS	E	SHAFT	TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIA	
BALL 6314	POLYREX EM		EM	TS		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
							'						
THERMOSTATS		PROTECTORS		WDG RTD's		'D's BRG RTD's		THERMISTORS		CONTROL		SPACE	HEATERS
NO	ONE	NOT		NON	NE		NONE	N	NONE		FALSE		NA
R1 (of	nms/ph)	R2 (ohms/	ph)	X1 (ohn	ns/ph)		X2 (ohms/ph)	Xm (ohms/ph)	VIBR	ATION (in/sec)		
	014	0.009		0.12			0.164		6.105		0.080		
* N O								ı		TORQUE:	ONE, contact factory to VARIABLE 10:1 NONE	for further info	rmation
T E									ENCODER:	NONE			
s									NONE				
*									NONE	NONE		NONE	PPR
PRE	PARED BY:	ANUSHA M							BRAKE: NO		NONI	Ē	
	DATE:	3/10/202	20						FT-LB:		NA		
									VOLTAGE:		NONE		н
FORM: 353	21 DEV/ 4	2/27/06											







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: 445TSHFCD9001

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

Catalog No: W610A

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. cerse

Julian Clark Marketing Engineer

(€ 22