PRODUCT INFORMATION PACKET



Model No: 445TTFCD6587 Catalog No: E448A

XRI®-SD Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445T Frame, TEFC



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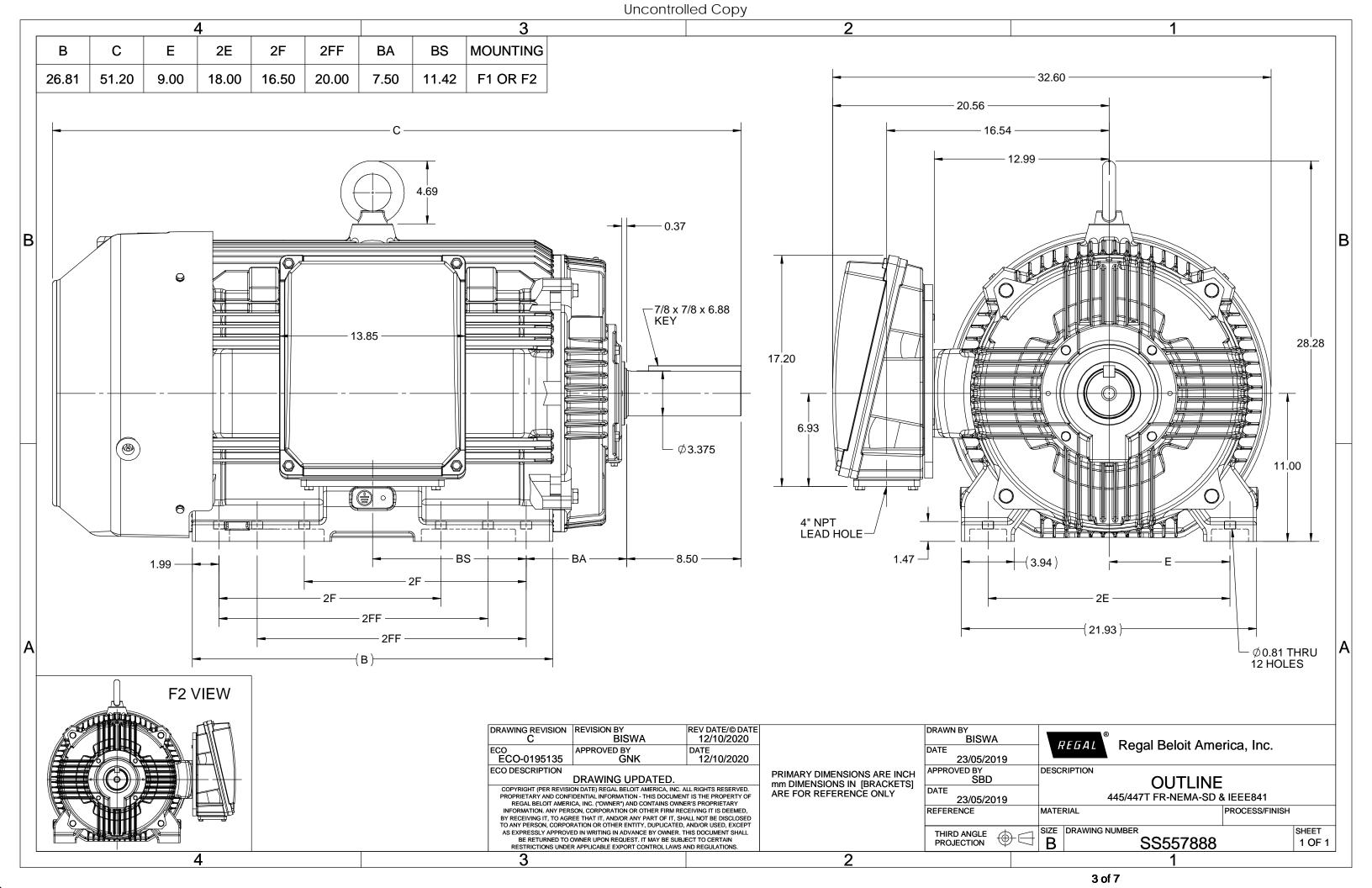
Nameplate Specifications

Output HP	150 Hp	Output KW	112.0 kW
Frequency	60 Hz	Voltage	460 V
Current	171.0 A	Speed	1190 rpm
Service Factor	1.15	Phase	3
Efficiency	95.8 %	Power Factor	86
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	NU319	Opp Drive End Bearing Size	6317
UL	Listed	CSA	Υ
CE	Υ	IP Code	55
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

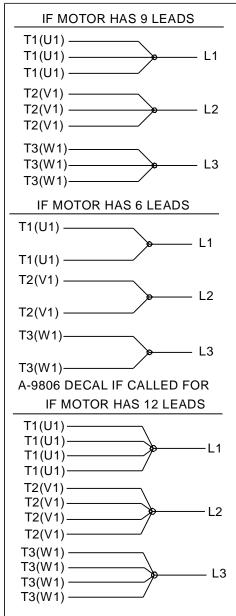
Technical Specifications

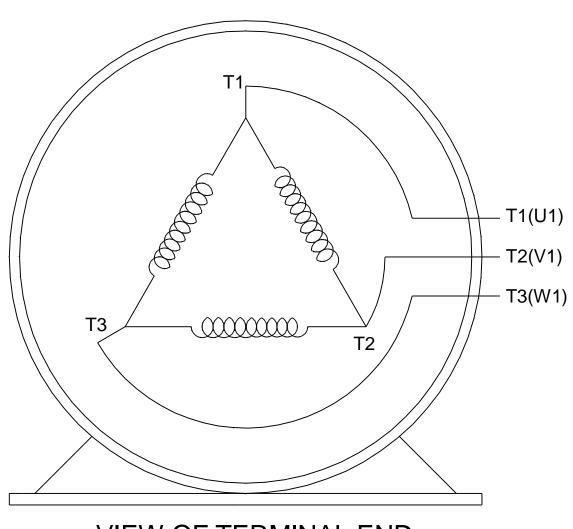
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.0223 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Roller
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	3.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS557888	Connection Drawing	EE7300U

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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

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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

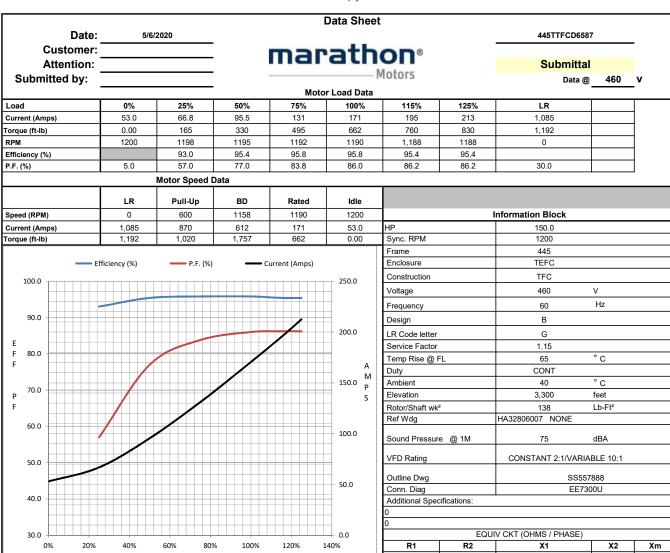
	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, Inc.	
	APPROVED BY GK DATE 09-30-1996	DESC	CONN DIAGRAM-E 3Ø SINDLE VOLTA		L
,	REFERENCE	MATE	RIAL	PROCESS/FINISH	
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1

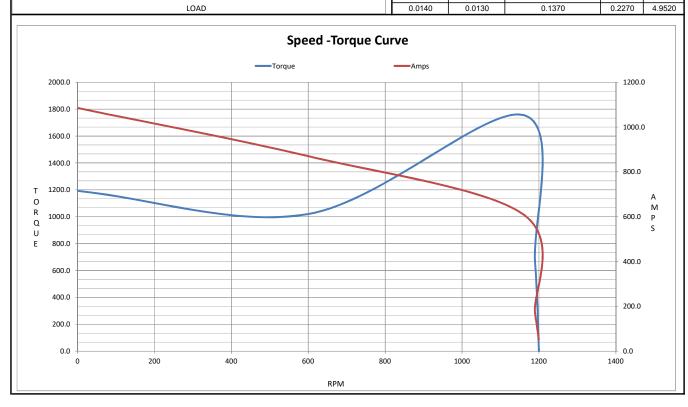


DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300U OUTLINE: SS557888 WINDING: HA32806007 NONE 5					R	REFERENCE MODEL #: 445TTFCD6587 CAT #: E448A MOUNTING: F1/F2 CAPABLE					-		
				TYP	ICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	кw	SYNC RPM	FL R	РМ		FRAME	ENCLOSURE		TYPE KVA CO		DDE	DESIGN	
150	112	1200	119	10	445T TEFC		TFC G			В			
PH	HZ	VOLTS	AMF	-		START TYPE		UTY	INSL	S.F.	AMB (° C)		
3	60	460	17	1	L	INE OR INVERTER	С	ONT	Н	1.15	40	3300	
	F.L. EFF	95.8	3/4 LD EFF	95.8		1/2 LD EFF	95.4	GTD EFF		ELECT. T	/PE		
	F.L. PF	86.0	3/4 LD PF	83.8		1/2 LD PF	77.0	95.4		SQ CAGE INV	RATED		
		<u> </u>											
F.L. T	ORQUE LB-FT	LR AM 1.0		1.192 L	L.R .B-FT	t. TORQUE 180%	1,757	B.D. TORQ	UE 265%	F.L. RISE	(°C)		
002	LD-F1	1,0	65	1,192	.Б-Г I	100 /0	1,737	LD-FI	20370	03			
SOUND F	PRESSURE	SOUND	SOUND ROTOR V		WK ² MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		API	ROX.	
75	dBA	84 dBA	138	LB-FT ²	1500	LB-FT ²	25	SEC.		2	2429	LB.	
			•		*** SUP	PLEMENTAL INFORMA	TION ***						
DE BRACKET TYPE TY		ODE BRACKE	T MOUNT TYPE	MOTOR ORIENTATIO		SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT		
		STANDARD RIGID		HORIZONTAL PREMIUM SEVERE DUTY				NO NONE		BLUE (EPOXY)			
DE BEA	RINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL	
ROLLER BALL		POLYREX EM	Т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
NU319	6317												
												ACE	
THERMOSTATS		PROTECTORS			BRG RTD's		THERMISTORS			CONTROL		HEATERS	
NO	ONE	ns/ph) R2 (ohms/ph) X1 (ohms/ph)		NE	s/ph) X2 (ohms/ph)		NONE Xm (ohms/ph) 4.952		VIBRATION (in/sec) 0.080		FLOAT NONE		
R1 (of	hms/ph)			ns/ph)									
0.	014			37									
* N O T					If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE				10:1				
E S								ENCODER: NONE	NONE				
*								NONE	NONE		NONE	PPR	
PREP	PARED BY: DATE:	5/13/2020						BRAKE: N FT-LB: VOLTAGE:	ONE I	NON NA ONE	E	HZ	
	531 REV_4 to change v	2/27/06 vithout notice.						VOLTAGE:	N	OIVE		rız	







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: 445TTFCD6587

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

Catalog No: E448A

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