PRODUCT INFORMATION PACKET



Model No: 445THFCD9086 Catalog No: W608A

XRI®-841 Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 445T Frame, TEFC



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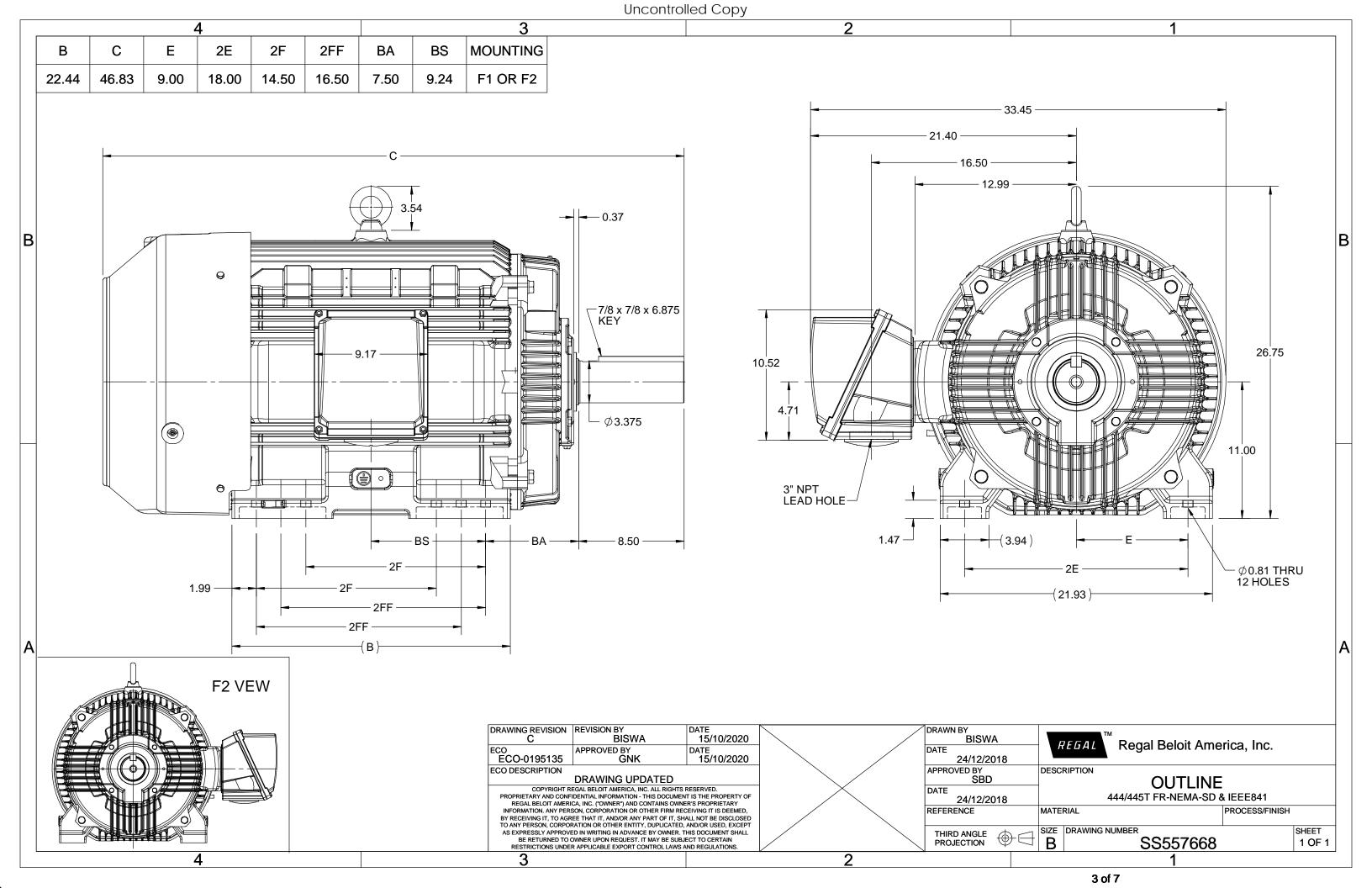
Nameplate Specifications

Output KW 93.0 kW Voltage 460 V Speed 1190 rpm Service Factor 1.15 Frame 445T Enclosure Totally Thermal Protection No Protection Efficiency 95 % Ambient Temperature 40 °C Frequency 60 Hz Current 143.0 A Power Factor 86)
Frame 445T Enclosure Totally Thermal Protection No Protection Efficiency 95 % Ambient Temperature 40 °C Frequency 60 Hz	
Thermal ProtectionNo ProtectionEfficiency95 %Ambient Temperature40 °CFrequency60 Hz	
Ambient Temperature 40 °C Frequency 60 Hz	Enclosed Fan Cooled
Current 143.0 A Power Factor 86	
Duty Continuous Insulation Class H	
Design Code B KVA Code G	
Drive End Bearing Size 6319 Opp Drive End Bearing Size 6317	
UL Listed CSA Y	
CE Y IP Code 56	
Number of Speeds 1 Hazardous Location DIVISION	ON 6 TOP

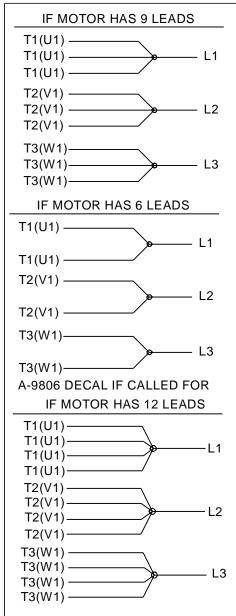
Technical Specifications

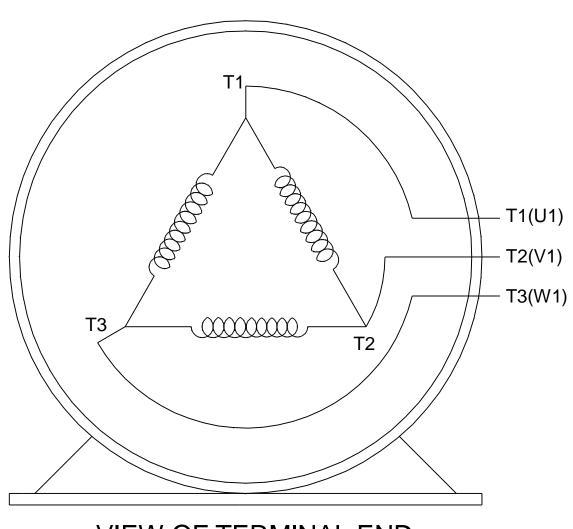
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	6	Rotation	Reversible		
Resistance Main	.0353 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	т	Shaft Diameter	3.375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

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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				
	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

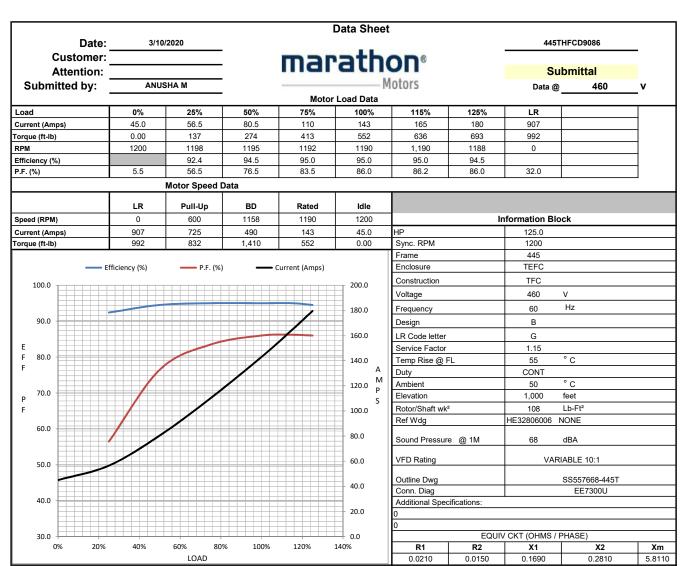
CERTIFICATION DATA SHEET

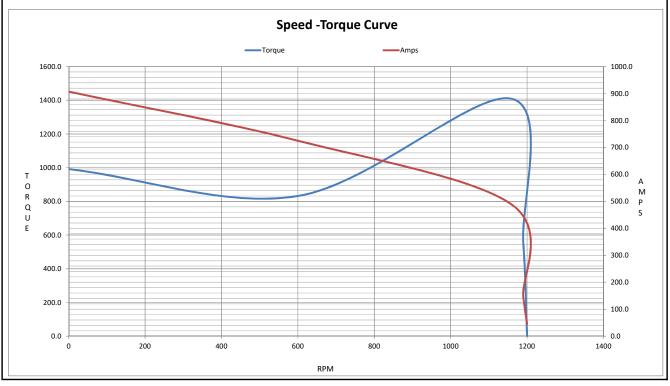
REFERENCE MODEL #: 445THFCD9086
CAT #: W608A

EE7300U CONN. DIAGRAM:

FORM: 3531 REV_4 2/27/06
** Subject to change without notice.

OUTLINE:		SS557668-445T	NONE					JA1 #.		*******			
WINDING:	:	HE32806006	NONE	3				MOUNTING:	F1/F2 CAF	ABLE			
		I		T'	YPICAL	MOTOR PERFORM	IANCE	DATA				·	
HP	кw	SYNC RPM	FL R	PM		FRAME	ENC	LOSURE	TYPE	KVA COI	DE	DESIGN	
125	93	1200	119	0		445T	TEFC		TFC	G		В	
PH	HZ	VOLTS	AME	PS		START TYPE		UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)	
3	60	460	14:	3	L	INE OR INVERTER	С	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. 1	YPE		
	F.L. PF	86.0	3/4 LD PF	83.5		1/2 LD PF	76.5	94.5		SQ CAGE IN	/ RATED		
E I	TORQUE	LR AMPS @	460 V		I P	. TORQUE		B.D. TORQUI	=	F.L. RISE (°C		
552	LB-FT	907		992	LB-FT	180%	1,410		255%	55	T		
332	LD-1 1	307		332	LD-1 1	10070	1,410	LD-1 1	25570				
SOUND F	RESSURE @	SOUND		ROTOR WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	ST	ARTS/HOUR		ROX.	
68	dBA	77 dBA	108.00	LB-FT ²	1400	LB-FT ²	25	SEC.		2	2043	LB.	
					*** SU	PPLEMENTAL INFORM	ATION	***					
		ODE BRACKET			TOR			ARDOUS	DRIP				
	CKET TYPE	TYPE	TYPE		TATION	SEVERE DUTY		CATION	COVER	SCREENS		INT	
STA	ANDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (EPOXY)	
BE	ARINGS	005105				0050111 05							
DE	ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL	
6319	6317	POLYREX EM	Т			NONE	N	IONE	1045 HO	1045 HOT ROLLED (C-204)		CAST IRON	
0319	0317												
											SPACE	HEATERS	
	MOSTATS NONE	PROTECTORS NOT	WDG F			BRG RTD's NONE		MISTORS IONE			NA		
	NOINE	NOT	INOI	NE.		NONE	- IN	IONE		FALSE	,	iA.	
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT		
(0.021	0.015	0.16	69		0.281	5	5.811		0.080	0	DE	
*								If Inverter eq	uals NONE,	contact factory for fu	rther informati	on	
N								INVERTER	TORQUE:	VARIABLE 10:1			
0							IN	IV. HP SPEEI	D RANGE:	NONE			
T E								ENCODER:	NONE				
S								NONE					
*								NONE			NONE	PPR	
								BRAKE:					
PR	EPARED BY:	ANUSHA M 3/18/2020						NON	ΝE	NONE			
	DATE:	3/18/2020						FT-LB: VOLTAGE:		NA NONE		HZ	
EODM: 26	531 DEV/ /	2/27/06				l		VOLTAGE:		INCINE		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: 445THFCD9086

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

Catalog No: W608A

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:

<u>Authorized Representative in the Community:</u>

J. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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