PRODUCT INFORMATION PACKET



Model No: 284TTFCD6837 Catalog No: E488A

XRI®-SD Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 284T Frame, TEFC



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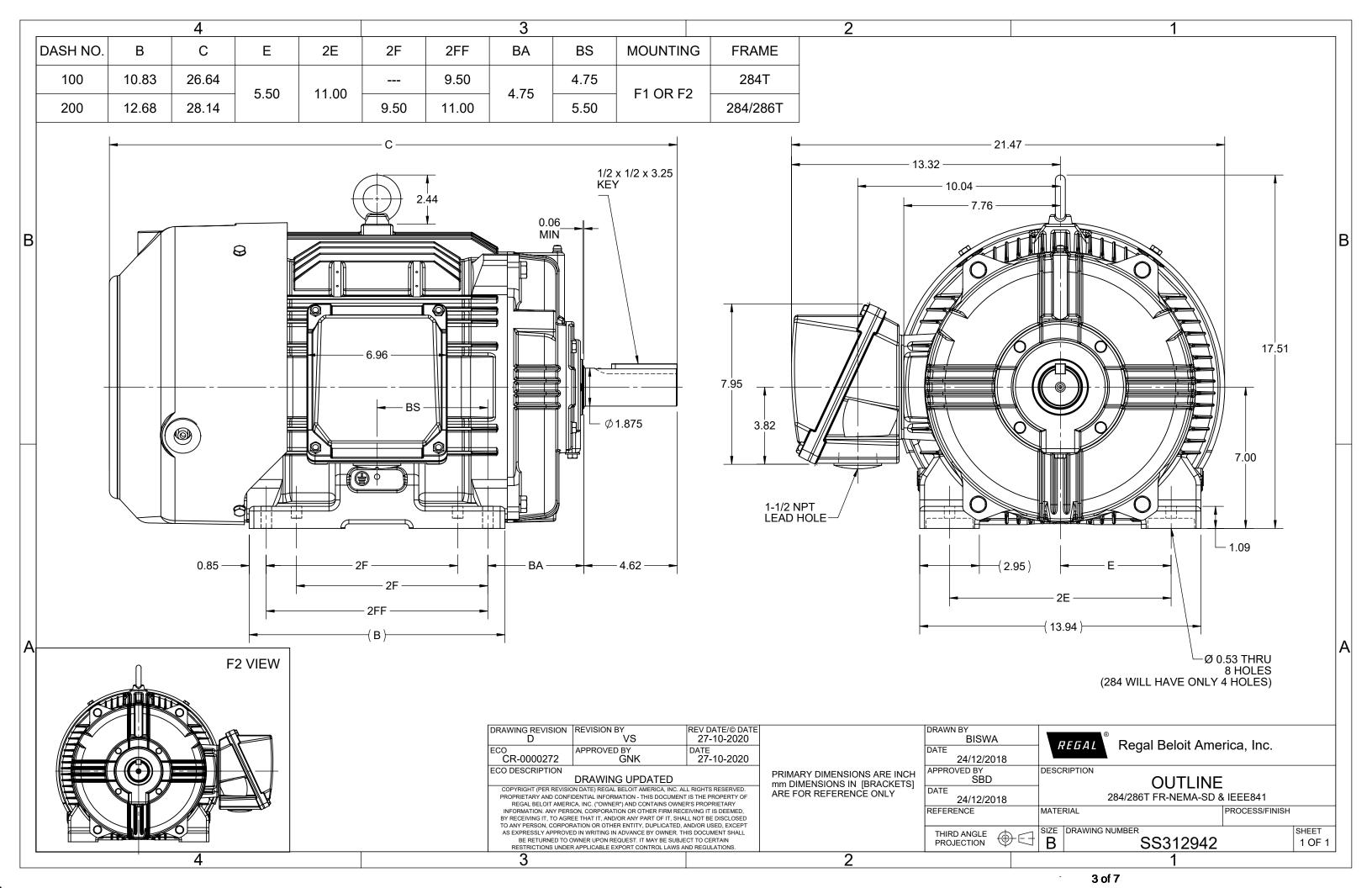
Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW		
Frequency	60 Hz	Voltage	230/460 V		
Current	60.0/30.0 A	Speed	1772 rpm		
Service Factor	1.15	Phase	3		
Efficiency	93.6 %	Power Factor	83		
Duty	Continuous	Insulation Class	Н		
Design Code	В	KVA Code	G		
Frame	284T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Ambient Temperature	40 °C		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211		
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	4	Rotation	Reversible
Resistance Main	.2988 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	1.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Outline Drawing	SS312942-100	Connection Drawing	EE7308

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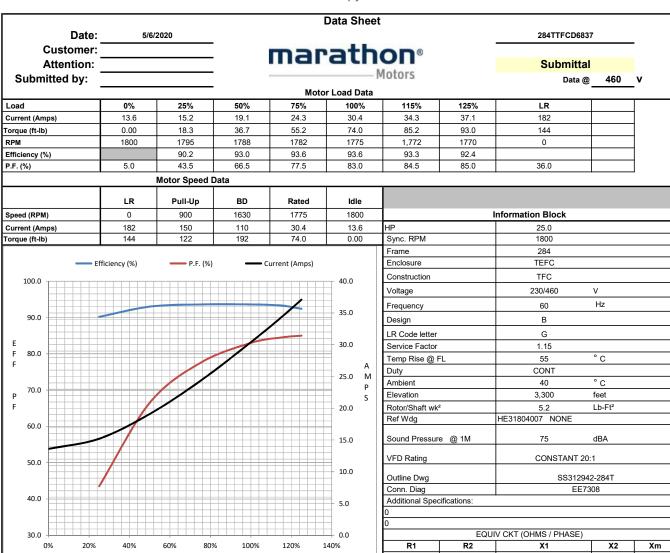




DATA VOLTS: 460

CERTIFICATION DATA SHEET

						-							
									MODEL #:	284TTFCE	06837		
CONN. DI	DNN. DIAGRAM: EE7308							CAT #:	E488A				
OUTLINE		SS312942											
WINDING	NINDING: HE31804007 NONE 7							MOUNTING:	F1/F2 CAF	PABLE			
					•	TYPICA	L MOTOR PERFOR	MANC	E DATA				
НР	ĸw	SYNC RPM		FL RI	PM	FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN
25	18.7	1800		1775			284T	TEFC		TFC	G		В
Bu		1/0			20	ı	OTABT TVDE		DUTY	l mai	0.5	1 4 4 4 D (% O)	EL EV (E4)
PH	HZ		LTS	AMP		 	START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	230	/460	460 61/30.5		LINE OR INVERTER		CONT		Н	1.15	40	3300
	F.L. EFF	93.6		3/4 LD EFF	93.6		1/2 LD EFF	93.0	GTD EFF		ELECT	. TYPE	
	F.L. PF	83.0		3/4 LD PF	77.5		1/2 LD PF	66.5	93.0		SQ CAGE I	INV RATED	
			•			<u>'</u>			•				
F.L. T	ORQUE	LR	AMPS @	460 V		L.F	R. TORQUE	B.D. TORQUE		F.L. RISE (°C)		
74.0	LB-FT		182		144	LB-FT	195%	192	LB-FT	259%	55		
SOLIND	PRESSURE	SOI	UND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE	STALL TIME	ST	ARTS/HOUR	APROX.	MOTOR
75	dBA	84	dBA	+			75 LB-FT ² 20 SEC.		2			LB.	
DE BRAC	*** SU ODE BRACKET MOUNT MOTOR BRACKET TYPE TYPE ORIENTATION		SEVERE DUTY	HAZ	MATION *** HAZARDOUS DRIP LOCATION COVER SCREENS			PAINT					
	NDARD		DARD	RIGID		ZONTAL	PREMIUM SEVERE DUTY		IVISION 2 T2B NO NONE		BLUE (EPOXY)		
BEA DE	RINGS ODE	GRE	GREASE		AFT TYPE SPECIAL DE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAM	E MATERIAL
6311	BALL 6211	POLYF	REX EM	Т			NONE	I	NONE	1045 HOT ROLLED (C-204)		CAST IRON	
THEOM	IOSTATS	DDOTE	CTORS	WDG R	TD'o		BRG RTD's	TUE	RMISTORS		CONTROL	SPACE	HEATERS
		NOT NONE		NONE		NONE			FALSE		NA		
	J.12		<u>. </u>		· <u> </u>	ļ					171202	ļ	
R1 (ohms/ph) R2 (ohms		ms/ph)	X1 (ohms/ph)			X2 (ohms/ph)	Xm (ohms/ph)		VIBRATION (in/sec)				
0.2 0.125		0.74	.742 0.972		0.972		19.436	0.080					
* N O T								If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 20:1 INV. HP SPEED RANGE: NONE					
E S *								ENCODER: NONE NONE					
									BRAKE.	NONE			







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: 284TTFCD6837

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

Catalog No : E488A

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

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer