PRODUCT INFORMATION PACKET



Model No: 284TTFCD16851 Catalog No: E622A-P

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



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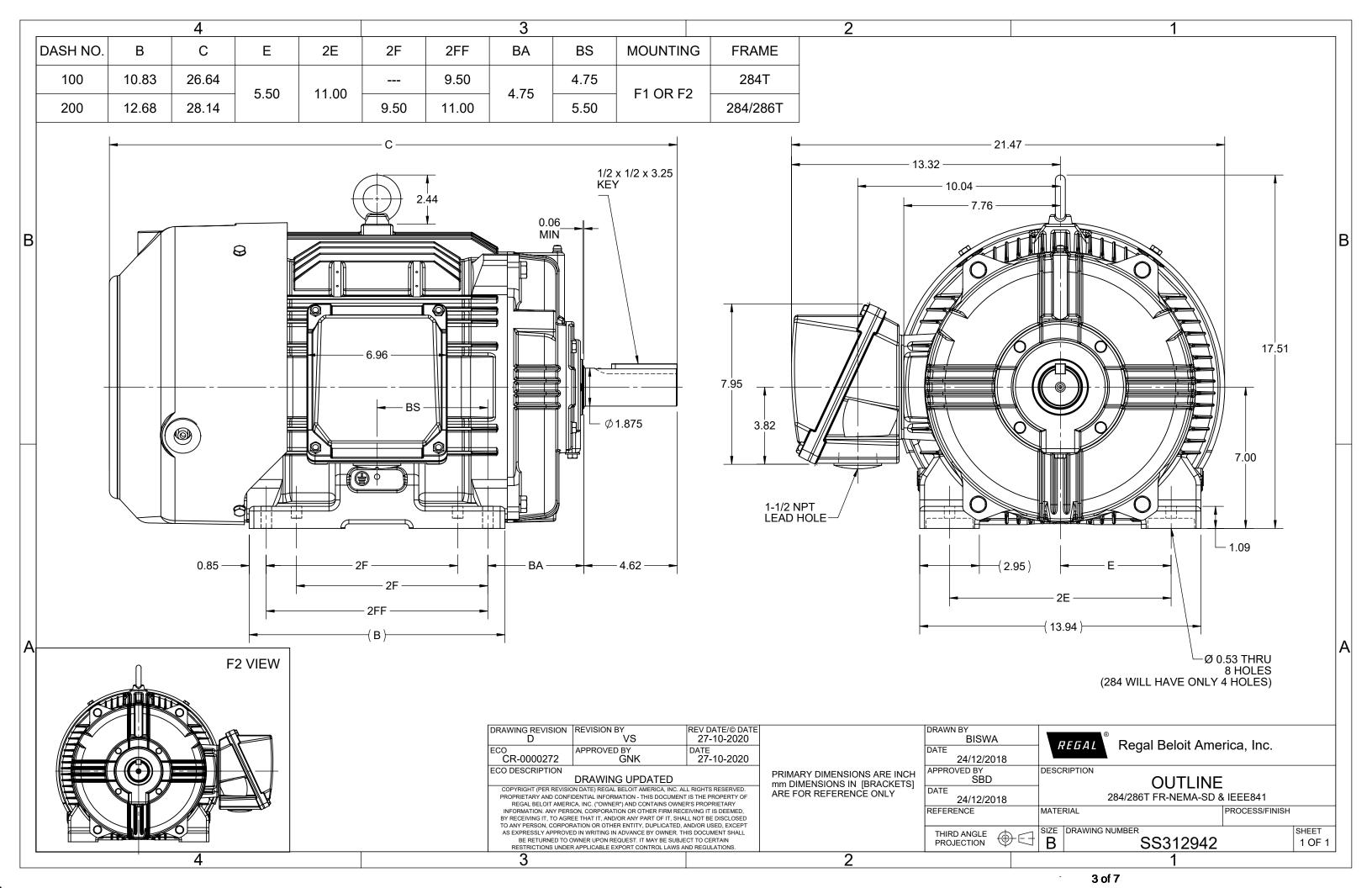
Nameplate Specifications

Phase	3	Output HP	25 Hp
Output KW	18.7 kW	Voltage	460 V
Speed	1772 rpm	Service Factor	1.15
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93.6 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	30.0 A	Power Factor	83
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
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 20:1/VARIABLE 20:1
Outline Drawing	SS312942-100	Connection Drawing	EE7300

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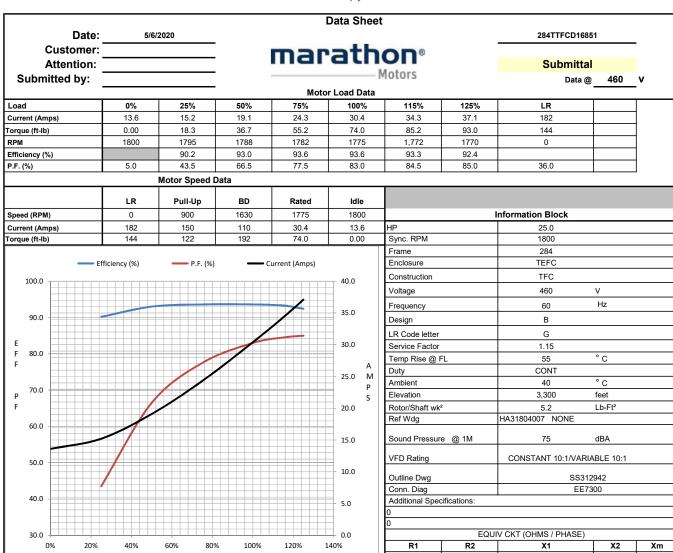


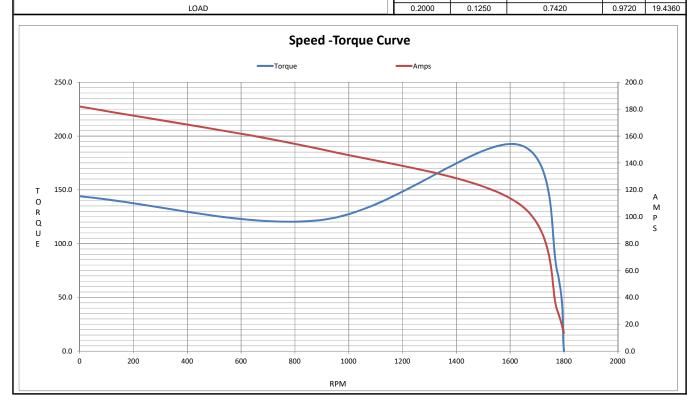


DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: OUTLINE: WINDING:		EE7300 SS312942 HA	31804007	NONE	8		R	REFERENCE MODEL #: 284TTFCD16851 CAT #: E622A-P MOUNTING: F1/F2 CAPABLE					-
					TY	PICAL I	MOTOR PERFORMA	NCE D	ATA				
НР	кw	SYNC	RPM	FL R			FRAME		LOSURE	TYPE	KVA CC	DDE	DESIGN
25	18.7	180				284T	TEFC		TFC	G		В	
						•							
PH	HZ	VOL	.TS	TS AMPS		START TYPE DUTY		UTY	INSL	S.F.	AMB (° C)	ELEV. (F	
3	60	460 30.5		L	INE 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. TY	/PE	
	F.L. PF	83.0		3/4 LD PF	77.5		1/2 LD PF	66.5	93.0		SQ CAGE INV	RATED	
	ORQUE		LR AMPS				. TORQUE		B D TOBO	ue I	F.L. RISE	(° C)	
	LB-FT		182		144	LB-FT	195%	192	B.D. TORQ LB-FT	259%	55	(6)	
SOUND P	RESSURE	sou		ROTOR			MAX. LOAD WK ²	SAFE S	TALL TIME		TS/HOUR APRO		
75	dBA	84	dBA	5.2	LB-FT ²	175	LB-FT ²	20	SEC.		2	494	LB.
						*** SUP	PLEMENTAL INFORMA	TION ***					
			TOR		HAZARDOUS			D CORFENS					
DE BRACKET TYPE STANDARD		STANI		TYPE RIGID		TATION ZONTAL	SEVERE DUTY PREMIUM SEVERE DUTY	LOCATION NONE		NO NO	NONE	PAINT BLUE (EPOXY)	
DEAD	DINGS									1			
DE	DE ODE GREASE		ASE	SHAFT	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIA	
BALL 6311	BALL BALL		EX EM	Т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS PROTECTORS		CTORS	WDG F	TD's	BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS		
	ONE	NC)T	NON		NONE		NONE		FALSE		NA	
P1 (oh	me/nh)	R2 (ohr	me/nh)	X1 (ohn	ne/nh)		X2 (ohms/ph)	Ym (ohms/ph)	VIRPATIO	ON (in/sec)	EI	OAT
R1 (ohms/ph) 0.2		0.1		0.74		0.972		19.436		0.080		ODE	
* N O T								If Inverter	INVERT		for further inform CONSTANT 10: NONE		E 10:1
E									ENCODER:	NONE			
S ∗									NONE NONE			NONE	PPR
PREP	ARED BY: DATE:	5/13/2	2020						BRAKE: NO FT-LB:	ONE 1	NONI		
	31 REV_4 to change w		e						VOLTAGE:	NO	ONE		Н







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: 284TTFCD16851

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

Catalog No : E622A-P

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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