## **PRODUCT INFORMATION PACKET**

Model No: 286TSTFCD6804 Catalog No: E490A XRI®-SD Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 286TS Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2024 Regal Rexnord Corporation, All Rights Reserved. MC017097E



# marathon®



Product Information Packet: Model No: 286TSTFCD6804, Catalog No:E490A XRI®-SD Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 286TS Frame, TEFC

## marathon®

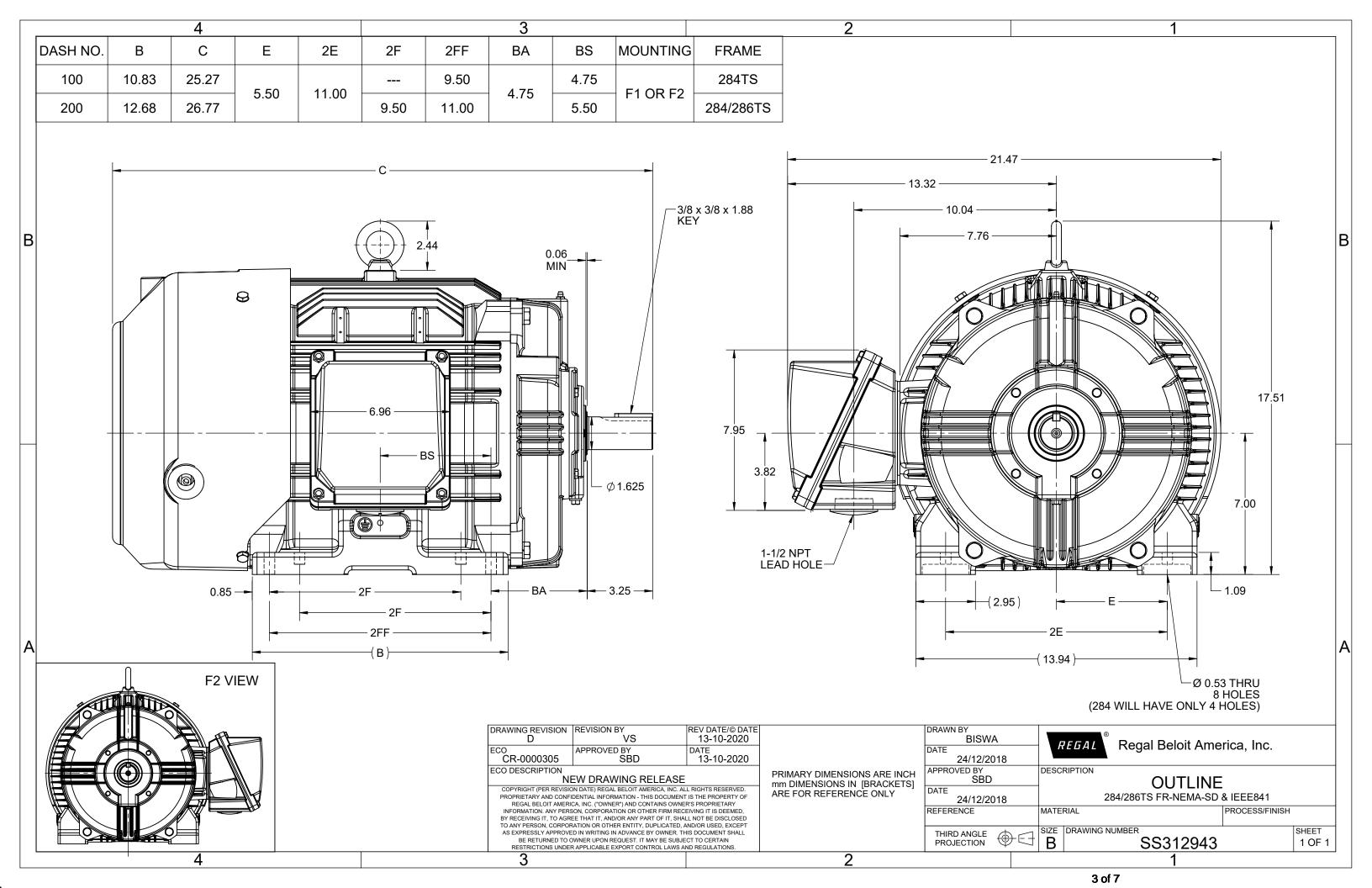
#### Nameplate Specifications

Phase	3	Output HP	30 Hp
Output KW	22.4 kW	Voltage	230/460 V
Speed	3550 rpm	Service Factor	1.15
Frame	286TS	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	71.0/35.5 A	Power Factor	86.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211
UL	Listed	CSA	Υ
CE	Y	IP Code	55
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

#### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	.338 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	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS312943-200	Connection Drawing	EE7308K

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/18/2024

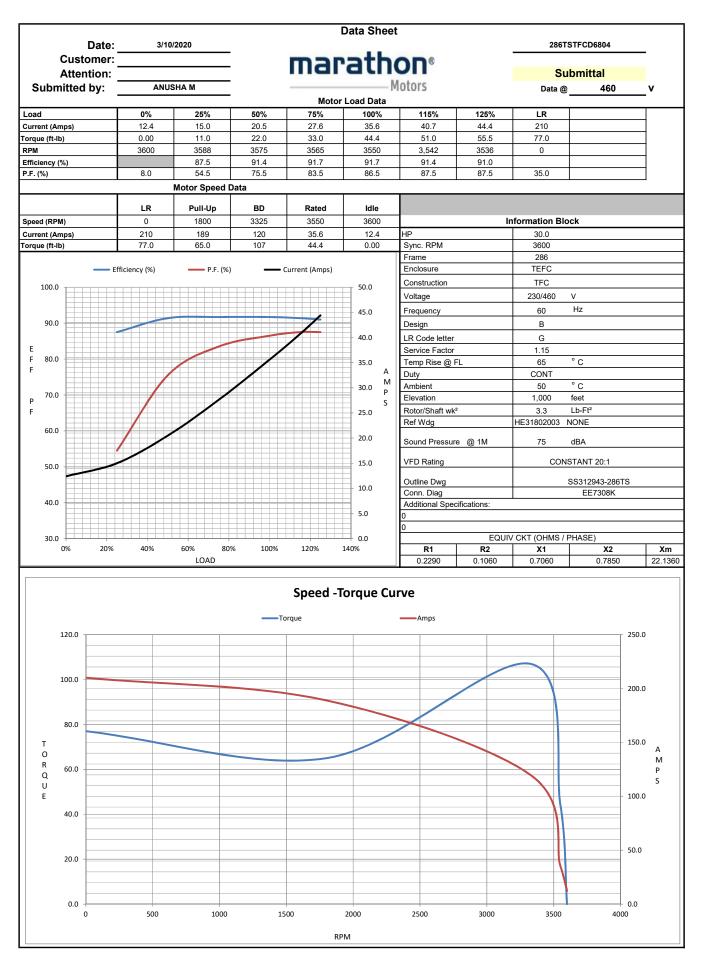


		Unco	ontroll	ed Copy					
LOW VOLTAGE								EE	7308K
T1(U1) T6(W2) T7(U3)									
T2(V1) T4(U2) T8(V3)	<u>)</u>								
T3(W1) T5(V2) T9(W3)	3			_		• T9 T4 •			-T6(W2) -T9(W3) -T1(U1) -T4(U2)
HIGH VOLTAGE T1(U1)L1				/	C C	Jon Star			-T7(U3) -T2(V1) -T5(V2)
T4(U2) T7(U3)									-T8(V3) -T3(W1)
T2(V1)La	) -	/			~				
T5(V2) T8(V3)	/								
T3(W1)L3	}			/IEW	/ 🗆 F	TERMINAL	END	<u> </u>	
T6(W2)									
		l	TOLE UNLESS	ERANCES SPECIFIEI		ANN NIKA NA NA NA		DRAWN	PGK 06-04-1997
E CORRECTED IEC MARKINGS ECO-0111208	WGJ 01-23-2017	EMH		INCHES	R	EGAL REGAL - BELO	OIT CORPORATION	СНК	ML 06-05-1997
D RE-DRAWN WITH REGAL LOGO ECO-0110493 8 ADDED IEC DESIGNATIONS MU95020	WGJ 09-30-2016 TJW 4/30/2010	EMH MJS		±.1 ±.02	TITLE		CDAM	APPD SCALE	GK 06-15-1997
8 ADDED IEC DESIGNATIONS MU95020 7 REVISD HIGH VOLTAGE L2 WAS L3 CN52600-354	MRB 09-21-1998			±.02		CONNECTION DIA DELTA CON, - 30 -		REF	
6 REDRAWN ON CADD	PGK 06-05-1997			±.0005	MAT'L.			FMF	
ND. REVISION	BY & DATE	СНК		±7′30″	FINISH			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS DUR PROPERTY AND MUST NO		RFP	· · · · ·		CAD FILE	EE7308K	SIZE DRAWING		
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCAL		DIST					A E	E7308	K E

Uncontrolled Copy

				Π	ar	eathon®				DATA VOLTS:	460			
					CEF	TIFICATION DATA SI	HEET							
							MODEL #: 286TSTFCD6804							
OUTLINE:		EE7308K SS312943-286TS HE31802003	NONE 2					CAT #:		E490A ABLE				
				т	YPICAL	MOTOR PERFORMA		TA						
HP	ĸw	SYNC RPM	FL R	PM		FRAME	ENCL	OSURE	TYPE	KVA C	ODE	DESIGN		
30	22.4	3600	355	0		286TS	TEFC		TFC	G		В		
PH	HZ	VOLTS	AMF			START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(Ft)		
3	60	230/460	71/3			LINE OR INVERTER		ONT	н	1.15	40	3300		
	F.L. EFF F.L. PF	91.7 86.5	3/4 LD EFF 3/4 LD PF	91.7 83.5		1/2 LD EFF 1/2 LD PF	91.4 75.5	<b>GTD EFF</b> 91.0			CT. TYPE E INV RATED			
	ORQUE	LR AMPS @	460 V			R. TORQUE	B.D. TORQU			F.L. RISE	E (° C)			
	LB-FT	210		77.0 LB-I		173%	107 <b>LB-FT</b>		241%	65				
SOUND PI 75	RESSURE @ dBA	SOUND 84 dBA	ROTOR 3.3	WK <sup>2</sup> LB-FT <sup>2</sup>	35			TALL TIME SEC.	STA	RTS/HOUR	450	MOTOR LB.		
	CKET TYPE	ODE BRACKET TYPE STANDARD	MOUNT TYPE RIGID	ORIEN	*** SU TOR TATION ZONTAL	PPLEMENTAL INFORMA SEVERE DUTY PREMIUM SEVERE DUTY	HAZARDOUS DRIP   LOCATION COVER   DIVISION 2 T2B NO		COVER	SCREENS NONE	PAINT BLUE (EPOXY)		PAINT BLUE (EPOXY)	
	RINGS GREASE SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL					
DE BALL 6311	ODE BALL 6211	POLYREX EM	тя	i		NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON			
	IOSTATS	PROTECTORS	WDG R			BRG RTD's			CONTROL		SPACE	HEATERS		
	ONE	NOT	NOM			NONE		ONE		FALSE		NA		
	hms/ph) .229	R2 (ohms/ph) 0.106	X1 (ohn 0.70			<b>X2 (ohms/ph)</b> 0.785		hms/ph) 2.136		0.080				
* N O T							11		TORQUE:	NE, contact factory CONSTANT 20:1 NONE	tor further info	prmation		
E S								ENCODER: NONE NONE	NONE		NONE	PPR		
PREPARED BY: ANUSHA M DATE: 3/10/2020							BRAKE: NONE NONE NONE FT-LB: NA					<u>. רדת</u>		
	31 REV_4 to change with	2/27/06 out notice.						VOLTAGE:		NONE		HZ:		

#### Uncontrolled Copy





www.regalbeloit.com

### **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: 286TSTFCD6804

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

Catalog No : E490A

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

(€ 22

Authorized Representative in the Community:

Julian Clark Marketing Engineer