## PRODUCT INFORMATION PACKET



Model No: 215THFCD9001 Catalog No: W537B

XRI®-841 Severe Duty Motor, 10 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 215T Frame, TEFC



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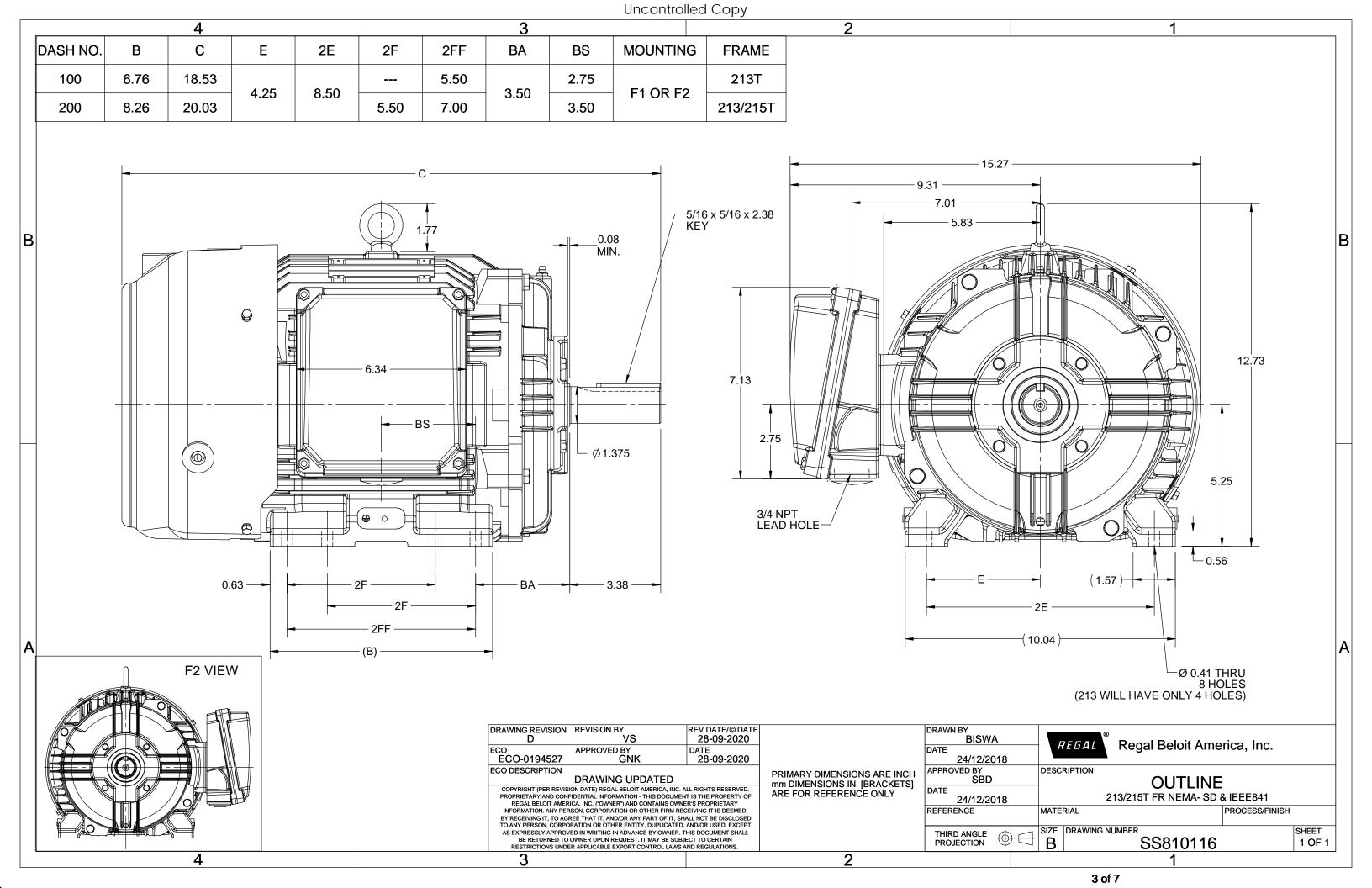
## Nameplate Specifications

Output HP	10 Hp	Output KW	7.5 kW
Frequency	60 Hz	Voltage	460 V
Current	11.8 A	Speed	3518 rpm
Service Factor	1.15	Phase	3
Efficiency	90.2 %	Power Factor	88
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	Н
Frame	215T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6308	Opp Drive End Bearing Size	6208
UL	Listed	CSA	Υ
CE	Υ	IP Code	56
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	2	Rotation	Reversible
Resistance Main	1.218 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	1.375 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS810116-200	Connection Drawing	EE7300

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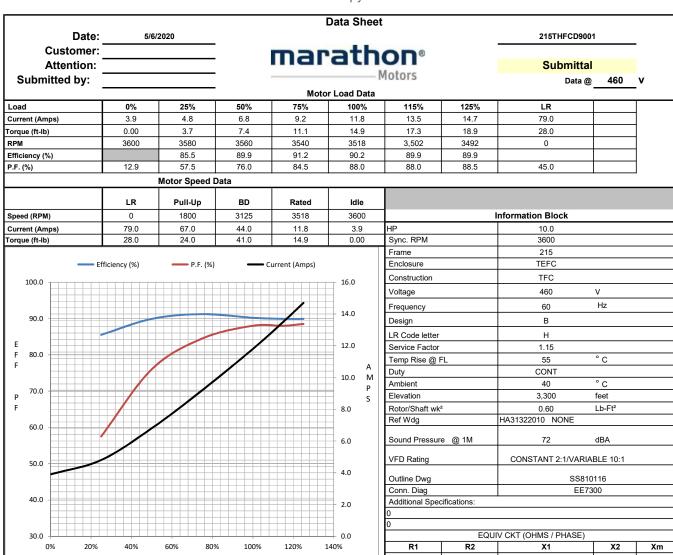
DATA VOLTS: 460

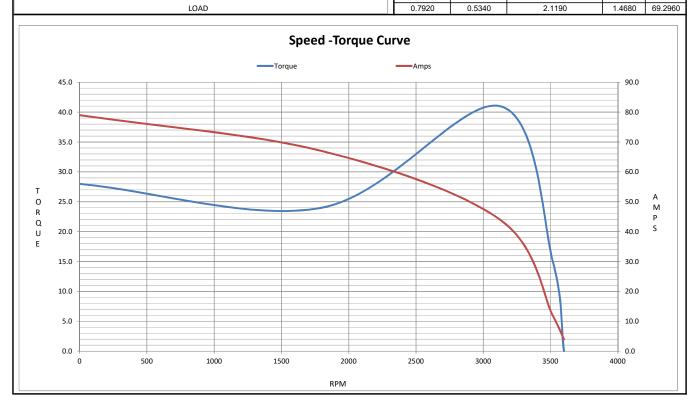
HZ:

										DATA VOLTS:	460	
					CE	ERTIFICATION DATA	A SHEI	ĒΤ				
ONN. D	IAGRAM:	EE7300 SS810116						MODEL #: CAT #:	215THFCE W537B	09001		
INDING		HA31322010	NONE	1				MOUNTING:	F1/F2 CAF	PABLE		
	T			T	YPICA	L MOTOR PERFOR	MANC	E DATA			1	
HP	KW	SYNC RPM	FLR	PM		FRAME	ENC	LOSURE	TYPE	PE KVA CODE		DESIGN
10	7.5	3600	351	18		215T		TEFC	TFC	н		В
PH	HZ	VOLTS	AMI	PS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	11.		L	INE OR INVERTER		CONT	Н	1.15	40	3300
								,				
	F.L. EFF		3/4 LD EFF	91.2		1/2 LD EFF	89.9	GTD EFF			TYPE	
	F.L. PF	88.0	3/4 LD PF	84.5		1/2 LD PF	76.0	89.5		SQ CAGE	NV RATED	
FI T	ORQUE	LR AMPS @	460 V		I R	. TORQUE		B.D. TORQUI	E F.L. RISE (°		° C)	
14.9	LB-FT	79.0	100 1	28.0	LB-FT	188%	41.0	LB-FT	275%	55	, 	
SOUND	PRESSURE	SOUND	ROTOF	R WK²		MAX. LOAD WK <sup>2</sup>	SAFE	STALL TIME	ST	ARTS/HOUR	APROX.	МОТО
72	dBA	81 <b>dBA</b>	0.60	LB-FT <sup>2</sup>	18	LB-FT <sup>2</sup>	15	SEC.		2	176	LB.
					*** S	UPPLEMENTAL INFOR	MATIO	N ***				
DE BRAG	CKET TYPE	ODE BRACKET TYPE	MOUNT TYPE		TOR TATION	SEVERE DUTY		ARDOUS CATION	DRIP COVER SCREENS PA		PAINT	
STA	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVIS	SION 2 T2B	NO	NONE	BLU	E (EPOXY)
		1										
DE DE	ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAMI	MATERIAL
BALL	BALL											
6308	6208	POLYREX EM	Т			NONE		NONE	1045 HOT ROLLED (C-204)		CAST IRON	
THERM	MOSTATS	PROTECTORS	WDG F	RTD's		BRG RTD's	THE	RMISTORS		CONTROL	SPACE	HEATERS
N	ONE	NOT	ION	NE		NONE		NONE		FALSE		NA
			1									
R1 (ohms/ph) 0.792		R2 (ohms/ph) 0.534	X1 (ohr 2.1				ohms/ph) 59.296	VIBRATION (in/sec) 0.080				
	.192	0.554	2.1	19		1.400		09.290		0.000		
* 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			on		
E S								ENCODER: NONE	NONE			
*								NONE			NONE	PPR
								BRAKE:	NONE			

* N		If Inverter equals NONE, conta	oct factory for further information STANT 2:1/VARIABLE 10:1			
Ö		INV. HP SPEED RANGE: NONE				
Т						
E		ENCODER: NONE				
s		NONE				
*		NONE	NONE PPR			
		BRAKE: NONE				
PREF	ARED BY: ANUSHA M	NONE	NONE			
	DATE: 3/31/2020	FT-I R· N	Δ			

FT-LB: VOLTAGE: NA NONE FORM: 3531 REV\_4 2/27/06
\*\* Subject to change without notice







# **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: 215THFCD9001

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

Catalog No: W537B

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

(€ 22