## PRODUCT INFORMATION PACKET



Model No: 256THFCD9001 Catalog No: W551A

XRI®-841 Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 256T Frame, TEFC



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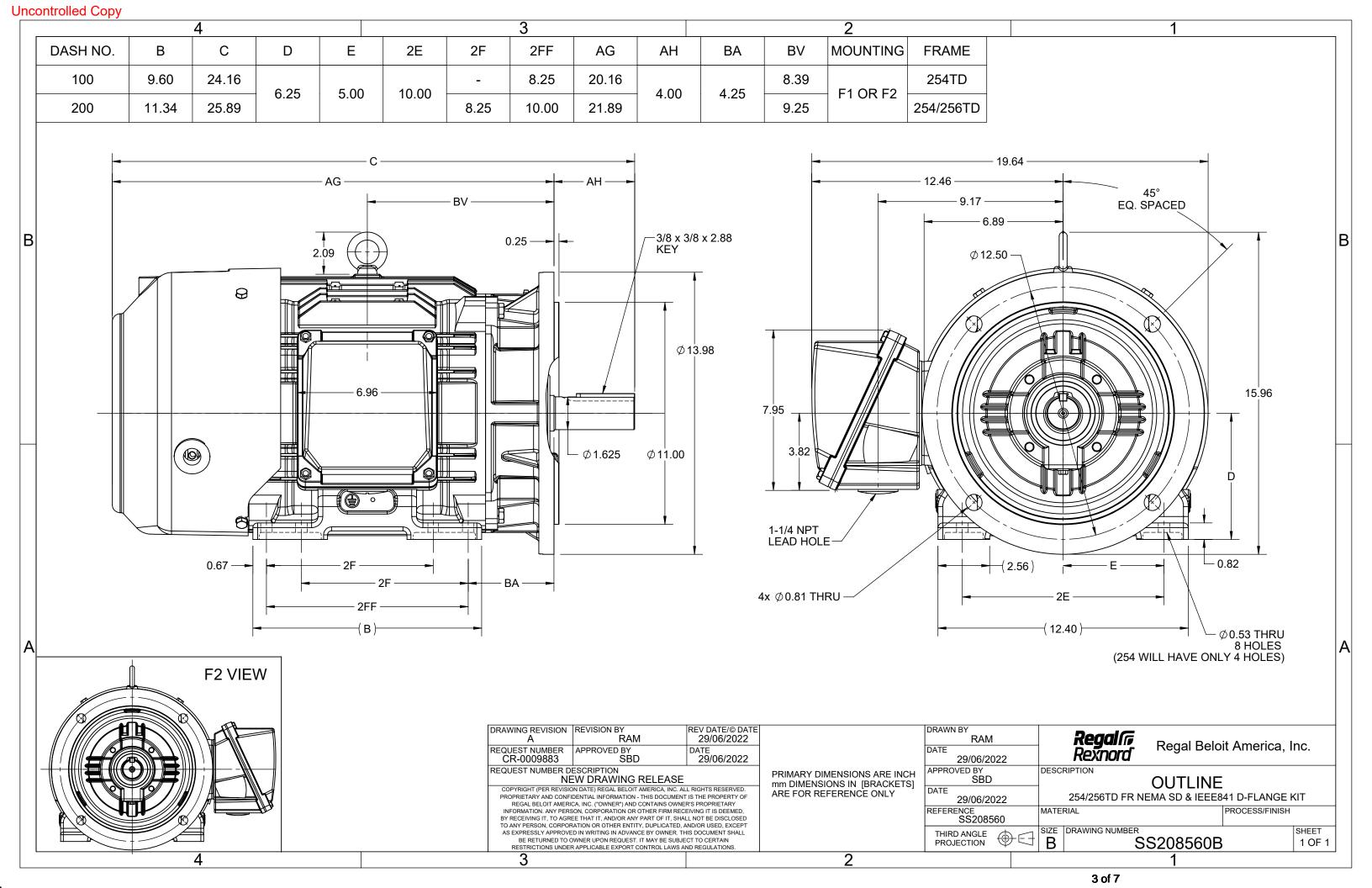
## Nameplate Specifications

Phase	3	Output HP	20 Hp
Output KW	14.9 kW	Voltage	460 V
Speed	3540 rpm	Service Factor	1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	23.7 A	Power Factor	87.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Listed	CSA	Υ
CE	Υ	IP Code	56
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	.546 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	1.626 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Outline Drawing	SS208560-200	Connection Drawing	EE7300		

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DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

EE7300 CONN. DIAGRAM:

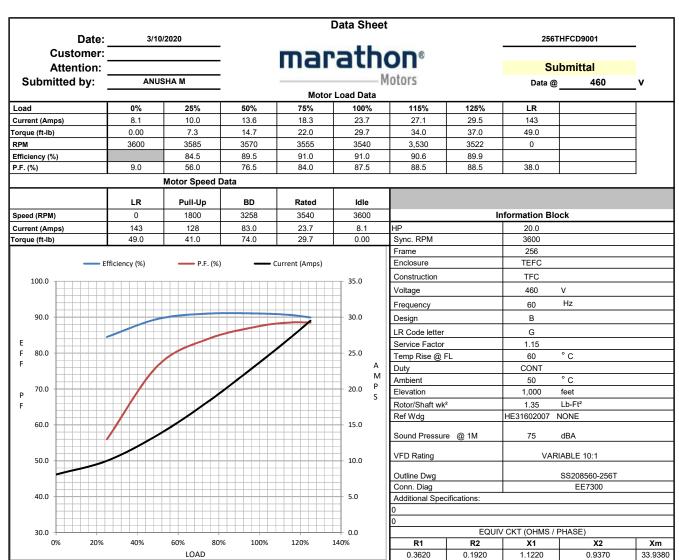
FORM: 3531 REV\_4 2/27/06
\*\* Subject to change without notice.

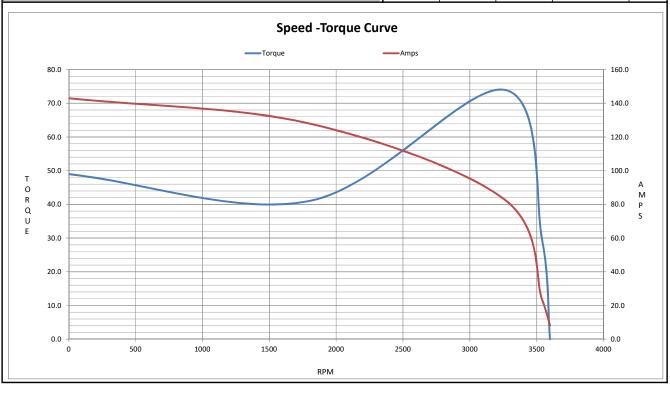
REFERENCE MODEL #: 256THFCD9001
CAT #: W551

OUTLINE: WINDING: SS208560-256T HE31602007 NONE

MOUNTING: F1/F2 CAPABLE

				TY	PICAL	MOTOR PERFORM	ANCE	DATA				•	
HP	ĸw	SYNC RPM	FL RPM			FRAME	ENCLOSURE		TYPE	KVA CO	DE	DESIGN	
20	14.9	3600	354	0		256T	7	ΓEFC	TFC	G		В	
PH	HZ	VOLTS	AMF			START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV.(Ft)	
3	60	460	23.	23.7 LINE OR INVERTER		INE OR INVERTER		CONT H		1.15	40 3300		
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	89.5	GTD EFF		ELECT.	TYPF		
	F.L. PF	87.5	3/4 LD PF	84.0		1/2 LD PF	76.5	90.2		SQ CAGE IN			
		•						<b>'</b>	'				
	TORQUE	LR AMPS @	460 V			. TORQUE	B.D. TORQUE			F.L. RISE	(° C)		
29.7	LB-FT	143		49.0	LB-FT	165%	74.0	LB-FT	249%	60			
OUND E	DESCIDE @	SOUND	ROTOR	WK2		MAX. LOAD WK <sup>2</sup>	SAFES	STALL TIME	ST	ARTS/HOUR	ADE	ROX.	
75 dBA		84 dBA		LB-FT <sup>2</sup>	25	LB-FT <sup>2</sup>	20	SEC.	31,	2		LB.	
		71 0.51	,										
						PPLEMENTAL INFORM							
DE DD 4	0455 5405	ODE BRACKET	MOUNT TYPE		TOR	OEVEDE DUTY		ARDOUS	DRIP	CORFENO	PAINT		
			RIGID		ONTAL	PREMIUM SEVERE DUTY		ION 2 T2B	NO	SCREENS NONE		EPOXY)	
317	MINDAND	STANDARD	RIGID	HORIZ	ONTAL	FREMION SEVERE DOTT	DIVIS	ION Z 1ZB	INO	NONE	BLUE (	LFOX1)	
	ARINGS	GREASE	SHAFT TYPE			SPECIAL DE	SPECIAL ODE		SHAFT	MATERIAL	FRAME MATERIAL		
<b>DE</b> BALL	ODE BALL												
6309	6209	POLYREX EM	Т			NONE	NONE 10		1045 HOT ROLLED (C-204)		CAST IRON		
											SPACE	HEATERS	
	MOSTATS	PROTECTORS	WDG R			BRG RTD's	THER	MISTORS	(	CONTROL			
1	NONE	NOT	NON	NONE		NONE	NONE			FALSE	NA		
R1 (ohms/ph) R2 (oh		R2 (ohms/ph)	X1 (ohm	ns/ph)		X2 (ohms/ph)	Xm (	ohms/ph)	VIBR	ATION (in/sec)	FLO	DAT	
0.362		0.192	1.12			0.937	33.938		0.080		ODE		
*	1												
N N										contact factory for	further informa	ation	
0							INVERTER TORQUE: VARIABLE 10:1 INV. HP SPEED RANGE: NONE						
T								NV. HF SFEEL	RANGE.	HOHE			
Ē								ENCODER:	NONE				
s								NONE					
*								NONE			NONE	PPR	
								BRAKE:	NONE				
PREPARED BY: ANUSHA M						NON		NONE					
	DATE: 3/18/2020												
	DATE:	3/18/2020						FT-LB:		NA			







# **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: 256THFCD9001

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

Catalog No: W551A

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. cerse

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

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