## 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

Output HP	20 Hp	Output KW	14.9 kW		
Frequency	60 Hz	Voltage	460 V		
Current	23.7 A	Speed	3540 rpm		
Service Factor	1.15	Phase	3		
Efficiency	91 %	Power Factor	87.5		
Duty	Continuous	Insulation Class	н		
Design Code	В	KVA Code	G		
Frame	256T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Ambient Temperature	40 °C		
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209		
UL	Listed	CSA	Υ		
CE	Υ	IP Code	56		
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1		

## **Technical Specifications**

Poles Squirrel Cage Inverter Rated  2		Starting Method	Line Or Inverter  Reversible			
		Rotation				
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			
Connection Drawing	EE7300	Outline Drawing	SS208560-200			

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**Uncontrolled Copy** DASH NO. С Ε 2FF BS MOUNTING FRAME 2E 2F BA 24.15 4.13 100 9.60 8.25 254T 5.00 10.00 4.25 F1 OR F2 25.89 10.00 254/256T 200 11.34 8.25 5.00 - 19.64 -12.46 9.17 2.09 0.14  $\Theta$ 3/8 x 3/8 x 2.88 KEY 15.22 6.96 7.95  $\emptyset$ 1.625 3.82 6.25 1-1/4 NPT LEAD HOLE-0.82 -4.00 0.67 — ( 12.40 Ø 0.53 THRU 8 HOLES (254 WILL HAVE ONLY 4 HOLES) F2 VIEW DRAWN BY
BISWA DRAWING REVISION BY BISWA REV DATE/© DATE 10/07/2020 Regal Beloit America, Inc. REGAL ECO-0194249 APPROVED BY GNK DATE 10/07/2020 26/09/2018 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

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DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

EE7300 CONN. DIAGRAM:

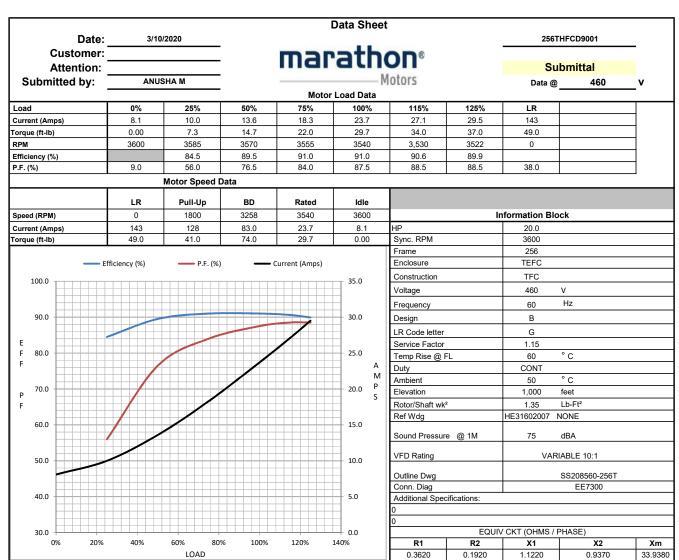
FORM: 3531 REV\_4 2/27/06
\*\* Subject to change without notice.

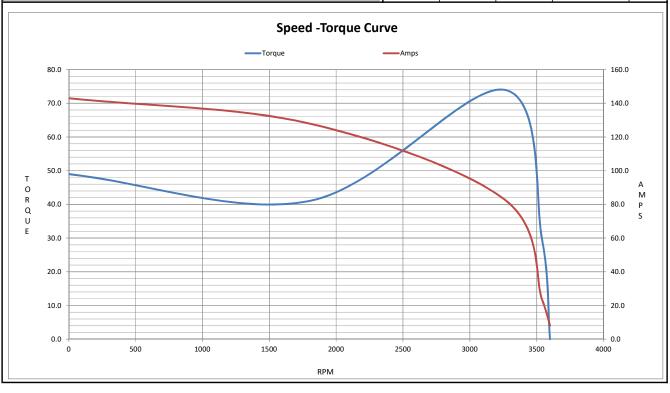
REFERENCE MODEL #: 256THFCD9001
CAT #: W551

OUTLINE: WINDING: SS208560-256T HE31602007 NONE

MOUNTING: F1/F2 CAPABLE

				TY	PICAL	MOTOR PERFORM	ANCE	DATA				•	
HP	ĸw	SYNC RPM	FL RPM			FRAME ENCLOSURE		LOSURE	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	Н	1.15	40	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	RESSURE @	SOUND	ROTOR	WK2		MAX. LOAD WK <sup>2</sup>	SAFES	STALL TIME	ST	ARTS/HOUR	ADE	ROX.	
75				LB-FT <sup>2</sup>	25	LB-FT <sup>2</sup>	20	SEC.	31,	2		LB.	
		71 0.51	,										
						PPLEMENTAL INFORM							
DE DD 4	01/57 7/05	ODE BRACKET	MOUNT		TOR	OEVEDE DUTY		ARDOUS	DRIP	CORFENO	PAINT		
	E BRACKET TYPE         TYPE         TYPE           STANDARD         STANDARD         RIGID		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	IE		NONE		IONE	FALSE		NA		
R1 (ohms/ph) R2 (ohms/ph) X		X1 (ohm	ns/ph)		X2 (ohms/ph)	Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
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				
DD	EPARED BY:	ANUSHA M						NON		NONE			
	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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