## PRODUCT INFORMATION PACKET



Model No: 256TTFCD6526 Catalog No: E621A

XRI®-SD Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 460 V, 1800 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	24.2 A	Speed	1768 rpm			
Service Factor	1.15	Phase	3			
Efficiency	93 %	Power Factor	83.5			
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	55			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

## **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.513 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 20:1
Outline Drawing	SS208560-200	Connection Drawing	EE7300

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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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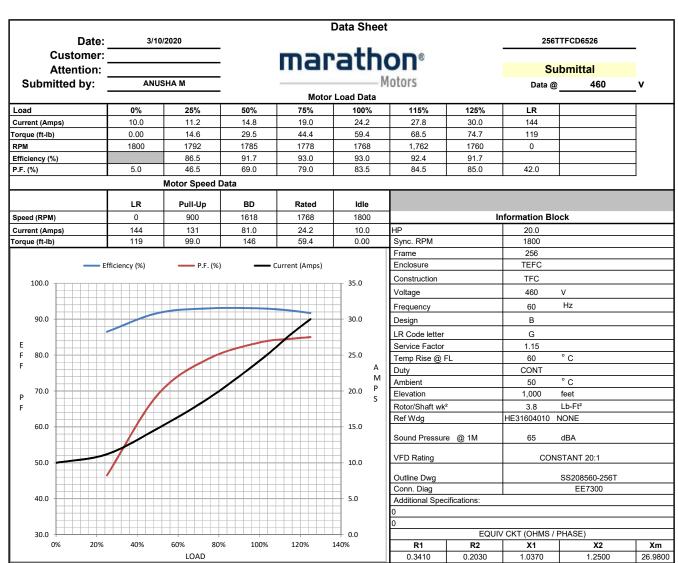


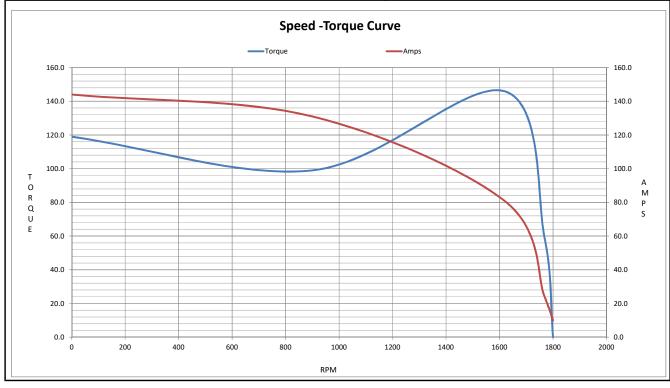
DATA VOLTS: 46

#### **CERTIFICATION DATA SHEET**

MODEL #: 256TTFCD6526

								MODEL #:	256TTFCD			_	
CONN. DIA DUTLINE:		EE7300						CAT #:		E621A			
VINDING:		SS208560-256T HE31604010	NONE	8				MOUNTING:	F1/F2 CAP	ARI F			
				Ü					2 0/1	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
				7	YPICAL	MOTOR PERFORM	ANCE D	ATA					
НР	ĸw	SYNC RPM	FLR	FL RPM		FRAME		ENCLOSURE		KVA CODE		DESIGN	
									TYPE				
20	14.9	1800	170	88		256T	T	EFC	TFC	G		В	
									INSL				
<b>PH</b> 3	<b>HZ</b> 60	VOLTS 460		AMPS 24.2		START TYPE LINE OR INVERTER		DUTY		<b>S.F.</b> 1.15	40 AMB (° C)	3300	
3	60	460	24			LINE OR INVERTER		JUNI	Н	1.15	40	3300	
	F.L. EFF	93.0	3/4 LD EFF	93.0		1/2 LD EFF	91.7	GTD EFF		ELECT	TYPE		
	F.L. PF	83.5	3/4 LD PF	79.0		1/2 LD PF	69.0	92.4		SQ CAGE II	NV RATED		
F1 T	ORQUE	LD AMDO	- ACO V			R. TORQUE		B.D. TORQUI	_	EL DICE	(° C)		
	LB-FT	LR AMPS	@ 460 V 4	119	LB-FT	200%	146	LB-FT	246%	F.L. RISE	( 0)		
	RESSURE @	SOUND	ROTO			MAX. LOAD WK <sup>2</sup>		TALL TIME	ST	ARTS/HOUR	APROX.	МОТО	
65	dBA	74 dBA	3.8	LB-FT <sup>2</sup>	125	LB-FT <sup>2</sup>	20	SEC.		2	725	LB.	
					*** SI	JPPLEMENTAL INFORMA	ATION ***						
		ODE BRACKE			TOR		HAZARDOUS DRIP						
DE BRACKET TYPE STANDARD		TYPE STANDARD	TYPE RIGID			SEVERE DUTY	DIVISION 2 T2B		NO NO	SCREENS NONE	PAINT BLUE (EPOXY)		
STAI	NUARU	STANDARD	RIGID	HURIZ	ONTAL	PREMIUM SEVERE DUTY	DIVISI	IUN Z 1ZB	NO	NONE	BLUE	(EPOXT)	
	RINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL	
DE	ODE												
BALL 6309	BALL 6209	POLYREX EM	і Т			NONE	N	IONE	1045 HO	T ROLLED (C-204)	) CAST IRON		
0000	0200		I										
											SPACE	HEATERS	
	ONE	PROTECTORS NOT	S WDG F			BRG RTD's NONE		MISTORS IONE	-	FALSE		NA	
INC	ONE	NOI	NO	NE .		NONE	IN.	IONE		FALSE		INA	
R1 (ol	R1 (ohms/ph) R2 (ohms/ph)		R2 (ohms/ph) X1 (ohms/ph) X2 (ohms/ph)		X2 (ohms/ph)	Xm (d	ohms/ph)	VIBR	VIBRATION (in/sec)				
0.	.341	0.203	1.0	37		1.25	2	26.98		0.080			
*								If Inverte	r equals NC	ONE, contact factory	or further info	rmation	
N								INVERTER	TORQUE:	CONSTANT 20:1			
o							II	NV. HP SPEE					
т													
E								ENCODER:	NONE				
s								NONE					
*								NONE			NON	E PPR	
								BRAKE:					
PRE	PARED BY:							ION	ΝE	NONI	Ξ		
	DATE:	3/10/2020						FT-LB:		NA			
	04 DE) / /	0/07/00						VOLTAGE:		NONE		Н	
	31 REV_4	2/27/06											
Subject t	to change with	out 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: 256TTFCD6526

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

Catalog No : E621A

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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer

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