# PRODUCT INFORMATION PACKET



Model No: 256THFCD9026 Catalog No: W553A

XRI®-841 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	56
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 10:1/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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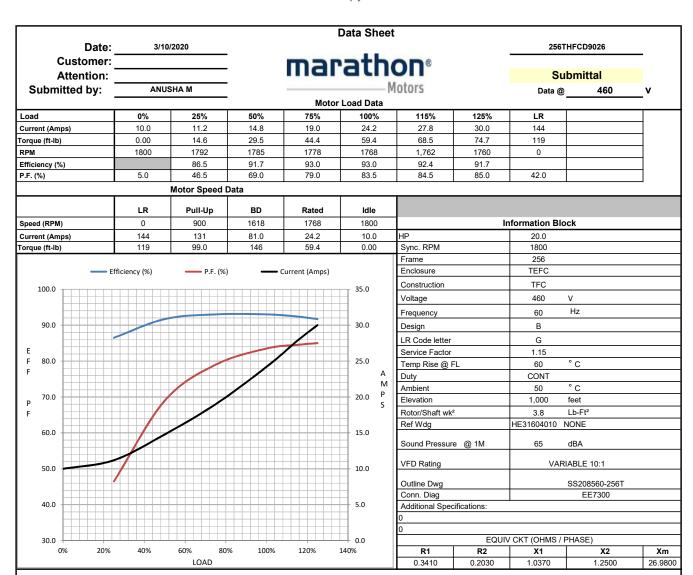


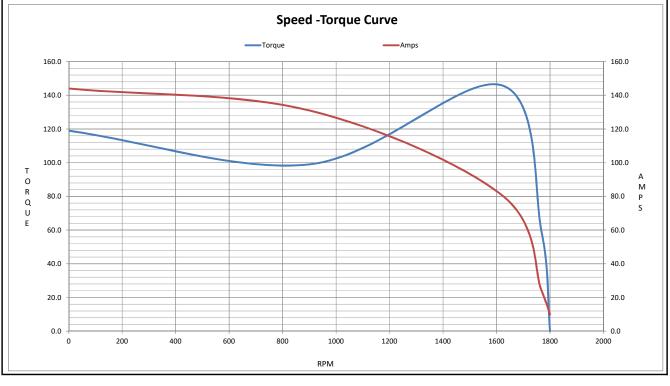
DATA VOLTS:

#### **CERTIFICATION DATA SHEET**

PH							CEF	RTIFICATION DATA S	HEET					
HP					NONE 8					MOUNTING: F1/F2 CAPABLE				
PH						Т	YPICAL	MOTOR PERFORMA	NCE D	ATA				
PH	HP	кw	SYNO	CRPM	FLR	PM	FRAME		ENCLOSURE		TYPE	KVA C	ODE	DESIGN
3   60   460   24.2   LINE OR INVERTER   CONT   H   1.15   40	20	14.9	1800 1768		256T		TEFC		TFC	G		В		
3   60   460   24.2   LINE OR INVERTER   CONT   H   1.15   40	PH	HZ	VO	LTS	AMI	PS	START TYPE		DUTY		INSL	S.F. AMI		ELEV.(F
F.L. PF		_												3300
F.L. TORQUE														
SOUND PRESSURE @   SOUND		F.L. PF	83.5 <b>3/4 LD PF</b> 79.0		79.0	1/2 LD PF		69.0 92.4			SQ CAGE	NV RATED		
SOUND PRESSURE	F.L.	TORQUE	LF	R AMPS @	2 460 V I R TORQUE		B.D. TORQUE		F.L. RISE	FI RISE (° C)				
STANDARD						119			146				,	
STANDARD	OLIND	DDESSIIDE @	80	IIND	POTOE	) \N\K2	Т	MAY LOAD WK2	SVEE 8	TALL TIME	STA	PTS/HOLIP	APPOY	мото
### SUPPLEMENTAL INFORMATION ***    DE BRACKET TYPE														LB.
BEARINGS   GREASE   SHAFT TYPE   SPECIAL DE   SPECIAL ODE   SHAFT   MATERIAL   FRAME MATERIAL   BALL   BA	DE BRA	ACKET TYPE					TOR		HAZ	ARDOUS		SCREENS	F	PAINT
DE	ST	ANDARD	STAN	IDARD	RIGID	HORI	ZONTAL			BLUE (EPOXY)				
DE   ODE	BE	ARINGS	000	- 405	011457	TVDE		ODEOLAL DE	205	NAL ODE	OUAFT	MATERIAL	FD 4 14 F	
THERMOSTATS			GREASE		SHAFI	ITPE	SPECIAL DE		SPECIAL ODE		SHAFI WATERIAL		FRAME MATERIAL	
NONE   NOT   NONE   N		_	——— POLYREX EM		Т		NONE		NONE 1045 HOT ROLLE		ROLLED (C-204)	204) CAST IRON		
R1 (ohms/ph)   R2 (ohms/ph)   X1 (ohms/ph)   X2 (ohms/ph)   Xm (ohms/ph)   VIBRATION (in/sec)	THERMOSTATS		PROTE	CTORS	RS WDG RTD's		BRG RTD's		THERMISTORS		CONTROL		SPACE	HEATER
0.341 0.203 1.037 1.25 26.98 0.080    If Inverter equals NONE, contact factory for further information		NONE	N	ОТ	NON	ΝE		NONE	1	NONE		FALSE		NA
If Inverter equals NONE, contact factory for further informa   N	R1 (ohms/ph)		R2 (of	nms/ph)	X1 (ohn	ns/ph)	X2 (ohms/ph)		Xm (	ohms/ph)	VIBRATION (in/sec)			
N		0.341	0.	203	1.03	37		1.25	:					
NONE NONE PROPERTY OF THE PROP	N O							INVERTER TORQUE: VARIABLE 10:1			for further in	ormation		
NONE P	E S	E S						NONE						
BRAKE: NONE											NONE		NUN	□ PPR

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: 256THFCD9026

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

Catalog No: W553A

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

vice Fresident, reciniolog

Created on 09/01/2022

Authorized Representative in the Community:

J. cerse

Julian Clark Marketing Engineer