## PRODUCT INFORMATION PACKET



Model No: 256TTFCD6529 Catalog No: E485A

XRI®-SD Severe Duty Motor, 20 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 256T Frame, TEFC



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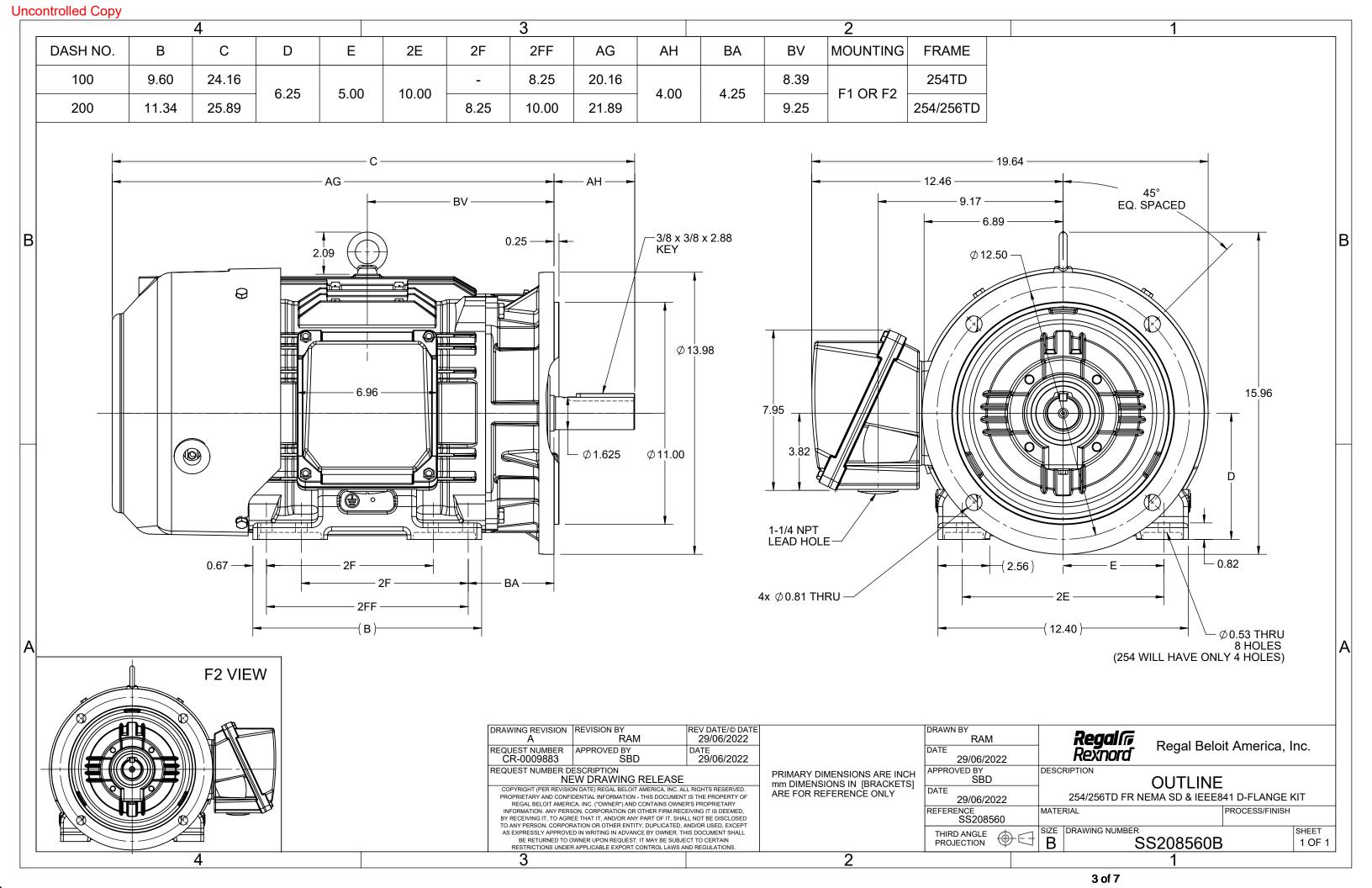
## Nameplate Specifications

Phase	3	Output HP	20 Hp 230/460 V			
Output KW	14.9 kW	Voltage				
Speed	1768 rpm	Service Factor	1.15			
Frame	256T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	93 %			
Ambient Temperature	40 °C	Frequency	60 Hz			
Current	48.5/24.2 A	Power Factor	83.5			
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	55			
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B			

## **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 20:1			
Connection Drawing	EE7308	Outline Drawing	SS208560-200			

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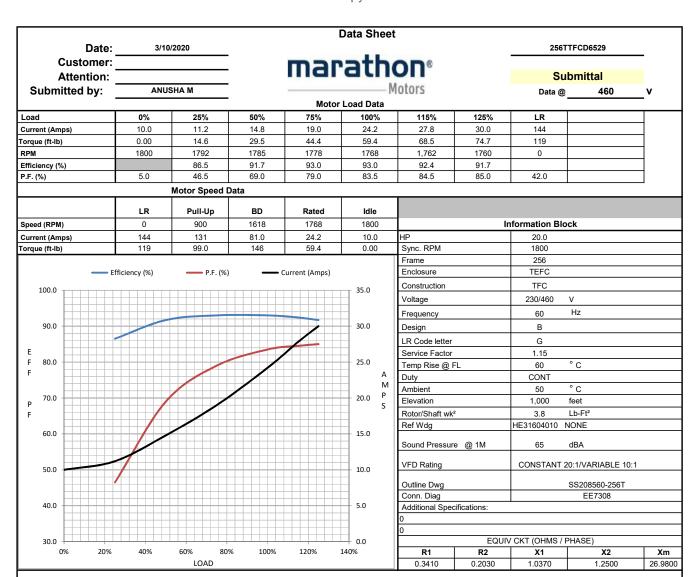


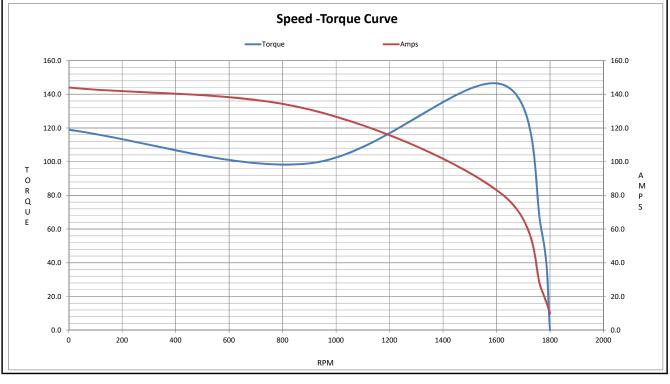




P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

							electi	11					
									_		DATA VOLTS:	460	·
					CER	RTIFICAT	TION DATA	SHEE	ΞΤ				
CUSTOM	ER:							CUST	OMER P.O. #:				
ORDER #					REFERENCE MODEL #						06529		-
1	IAGRAM:	EE7308							CAT #:		E485A		-
OUTLINE	:	SS208560	0-200					CUSTOMER PART #:					
WINDING	i:	Н	A31604018	NONE	9				MOUNTING:	F1/F2 CAF	PABLE		-
SPEED:										504205B			
	1			TY	PICAL	MOTOR	PERFOR	MANCE	DATA	I			T
HP	KW	SYNC RPM		FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN
20	14.9	1800		1768 256T		TEFC		TFC	G		В		
	_												
PH	HZ		DLTS	AMI			RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.
3	60	230	0/460	48.5/2	24.2	LINE OF	RINVERTER	CONT		Н	H 1.15 40 3		3300
	F.L. EFF	93.0	Τ	3/4 LD EFF	93.0		1/2 LD EFF	91.7	GTD EFF	1	ELECT.	ГҮРЕ	
	F.L. PF	83.5		3/4 LD PF	79.0		1/2 LD PF	69.0	92.4		SQ CAGE IN	V RATED	
						•	•		•	•			
F.L. 1	TORQUE	LF	R AMPS @	460 V		L.R. TOR	QUE		B.D. TORQU	E	F.L. RISE	(° C)	
59.4	LB-FT		144		119	LB-FT	200%	146	LB-FT	246%	60		
@ 3 FT. POWER		ROTOR	WK <sup>2</sup>	MAY	LOAD WK <sup>2</sup>	SAFE	STALL TIME	STAF	RTS/HOUR	МОТО	R WGT		
65	dBA	74	dBA	2.70	LB-FT <sup>2</sup>	125	LB-FT <sup>2</sup>	20	SEC.	JIA	2	455 <b>LB</b> .	
				,					, <del>,</del> , , ,	1			1
							ITAL INFOR						
DE BDA	CKET TVDE	ODE BRACKET MOUNT TYPE TYPE			MOTOR SEVERE ORIENTATION DUTY		HAZARDOUS LOCATION		DRIP COVER SCREENS P		D.	INT	
	STANDARD		NDARD	RIGID		ZONTAL	UM SEVERE		SION 2 T2B	YES	NONE	UE - RAL 5003 (EPO)	
		Į.		l .			-			1	•		
	RINGS	GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT		FRAME MATERIAL	
DE	ODE									MATERIAL			
6309	6209	POLY	REX EM	Т		1	NONE	NONE		1045 HOT	045 HOT ROLLED (C-204 CA		Γ IRON
											SPACE		
	ONE		PROTECTORS WDG RTD's  NOT NONE		BRG RTD's NONE		THERMISTORS NONE		FALSE		HEATERS NA		
I N	ONE	1	101	INOI	NC .	ı ı	NOINE		NONE		ALSE	1	NA.
R1 (ohms/ph)		R2 (ol	hms/ph)	X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0.341		0.	203	1.037		1.25		26.98		0.080		ODE	
*													
N									INVERTER	TORQUE:	CONSTANT 10	:1/VARIAB	LE 20:1
0							INV. HP SPEED RANGE: NONE						
Т													
E								ENCODER: NONE					
S *							NONE NONE PPR						
									BRAKE:	NONE		NONE	
PREPARED BY:					NONE NONE								
DATE: 10/21/2022						FT-LB: NA							
						VOLTAGE: NONE HZ:							
I FORM: 3	531 REV 4	2/27/06						UL:	NO LETTER	- ME,WUX	TEFC BLUEW	HALE CLAS	3S 1 DIV. 2







# **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: 256TTFCD6529

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

Catalog No : E485A

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