## PRODUCT INFORMATION PACKET



Model No: 254THFCD9076 Catalog No: W534A

XRI®-841 Severe Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 460 V, 1200 RPM, 254T Frame, TEFC



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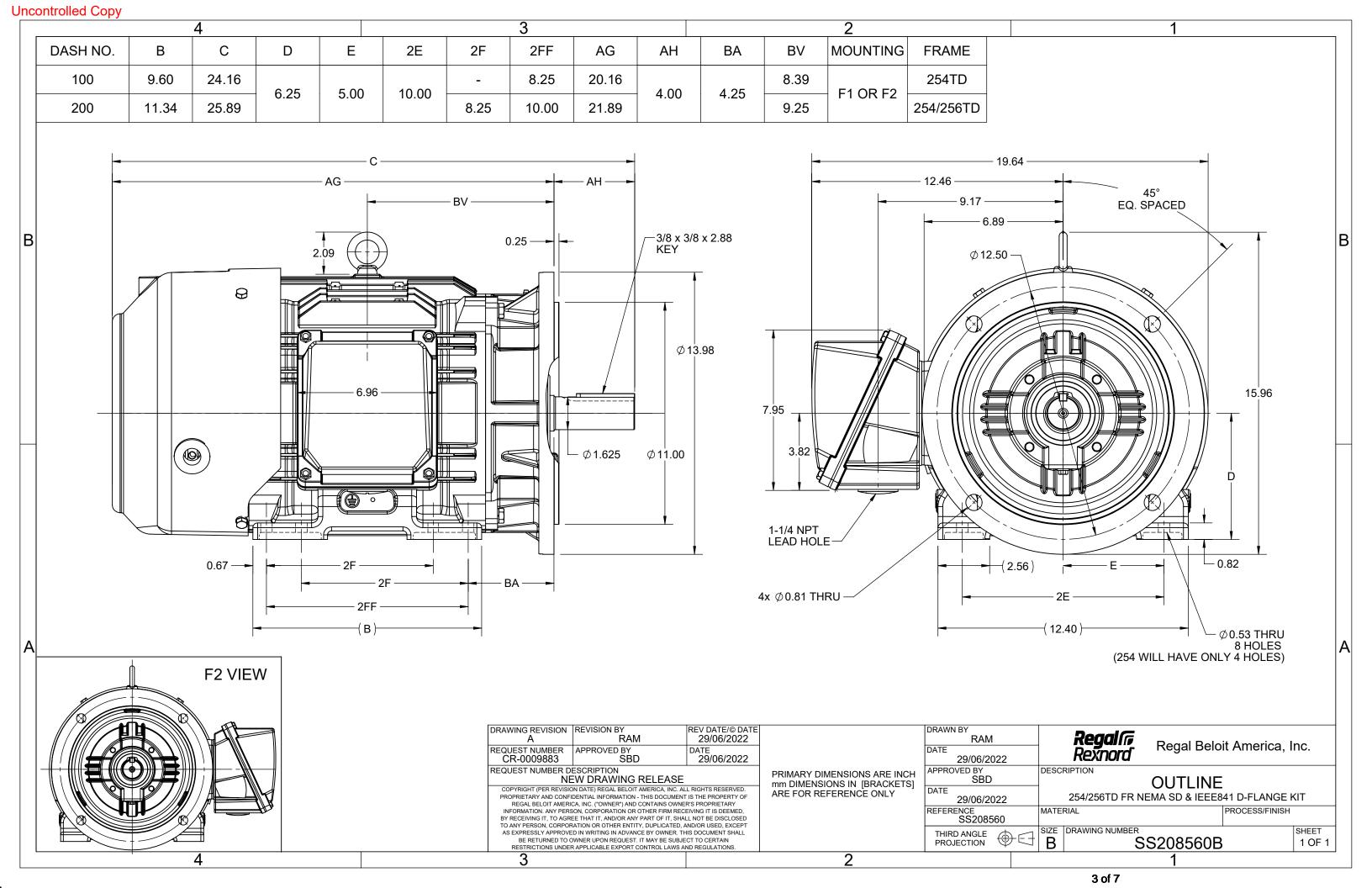
## Nameplate Specifications

Phase	3	Output HP	7.50 Hp
Output KW	5.6 kW	Voltage	460 V
Speed	1182 rpm	Service Factor	1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	9.9 A	Power Factor	78.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	Н
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	6	Rotation	Reversible		
Resistance Main	1.366 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	1.625 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1		
Connection Drawing	EE7300	Outline Drawing	SS208560-100		

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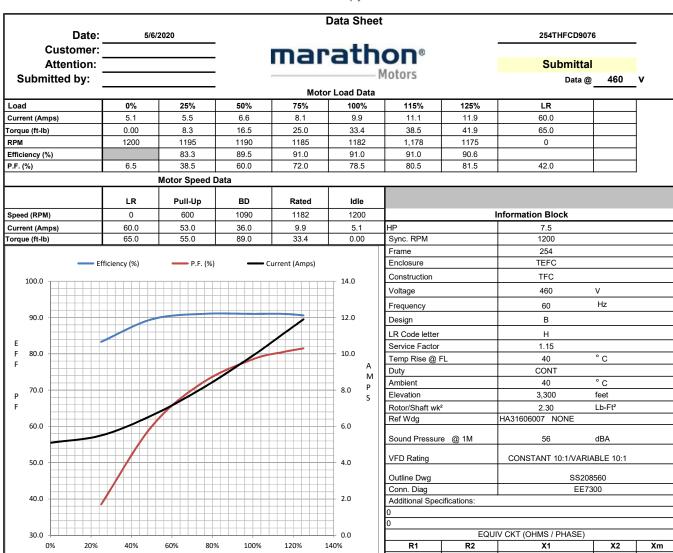


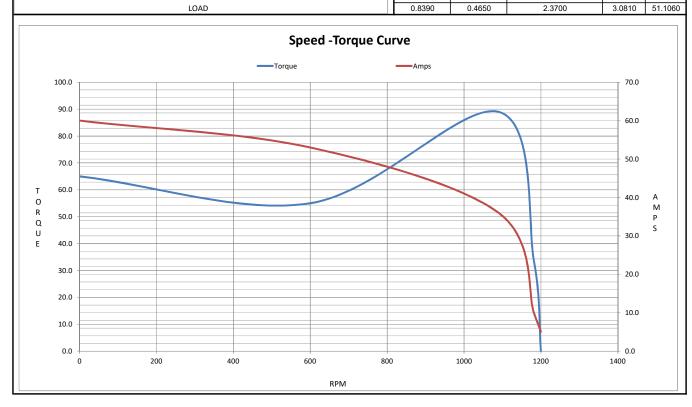


DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

OUTLINE WINDING	:	EE7300 SS208560 HA31606007	NONE	4				CAT #:	F1/F2 CAPABL	534A _E			
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	кw	SYNC RPM	FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN	
7.5	5.6	1200	1200 1182			254T	TEFC		TFC	н		В	
PH	HZ		VOLTS AMPS		START TYPE		DUTY		INSL			C) ELEV. (F	
3 60		460	9.9	9	<u> </u>	INE OR INVERTER	CONT		Н	1.15	40	3300	
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	89.5	GTD EFF		ELECT. T	YPE		
	F.L. PF	78.5	3/4 LD PF	72.0		1/2 LD PF	60.0	90.2		SQ CAGE INV	RATED		
		-											
	ORQUE	LR AMPS		05.0		. TORQUE	00.0	B.D. TORQ		F.L. RISE	(° C)		
33.4	LB-FT	60.0		65.0	LB-FT	195%	89.0	LB-FT	266%	40			
SOUND I	PRESSURE	SOUND	ROTOR	WK <sup>2</sup>		MAX. LOAD WK <sup>2</sup>	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
56 dBA		65 <b>dBA</b>		LB-FT <sup>2</sup>	150			SEC.	2			LB.	
			•		*** SUP	PLEMENTAL INFORMA	TION ***						
		ODE BRACKET	MOUNT		MOTOR		HAZARDOUS		DDID 001/50	00055110			
	NDARD	TYPE STANDARD	RIGID		TATION ZONTAL	PREMIUM SEVERE DUTY		ON 2 T2B	NO NO	NONE	PAINT BLUE (EPOXY)		
STAI	NDARD	STANDARD	RIGID	HURIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 12B	NO	NONE	BLUE (	EPUXY)	
BEA	RINGS	GREASE	SHAFT	TVDE		SPECIAL DE	SDEC	IAL ODE	SHAFT	MATERIAL	EDAME	MATERIAL	
DE	ODE	GREASE	GREASE SHAFT		TIPE SPECIAL DE		OF LOIAL ODE		SHAFT	WATERIAL	FRANCI		
BALL 6309	6209	POLYREX EM	Т		NONE		NONE 1045 HOT I		1045 HOT R	ROLLED (C-204) CAST		IRON	
THERMOSTATS NONE		PROTECTORS NOT	WDG R		BRG RTD'S THERMISTORS CONTROL NONE NONE FALSE			SPACE HEATERS NA					
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohn			X2 (ohms/ph)		ohms/ph)		ON (in/sec)	FLOAT		
0.	.839	0.465	2.3	7		3.081	5	1.106	0.	080	0	DE	
			If Inverter equals NONE, contact factory for further information  INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1  INV. HP SPEED RANGE: NONE										
* N O T													
N O								ENCODER: NONE	NONE				
N O T E								NONE NONE			NONE	PPR	
N O T E S	PARED BY:	5/13/2020						NONE NONE BRAKE:	NONE ONE	NON NA		PPR	







# **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: 254THFCD9076

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

Catalog No: W534A

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

(€ 22