# **PRODUCT INFORMATION PACKET**

Model No: 254TTFCD6515 Catalog No: E481A XRI®-SD Severe Duty Motor, 15 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 254T Frame, TEFC



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# marathon®

#### Nameplate Specifications

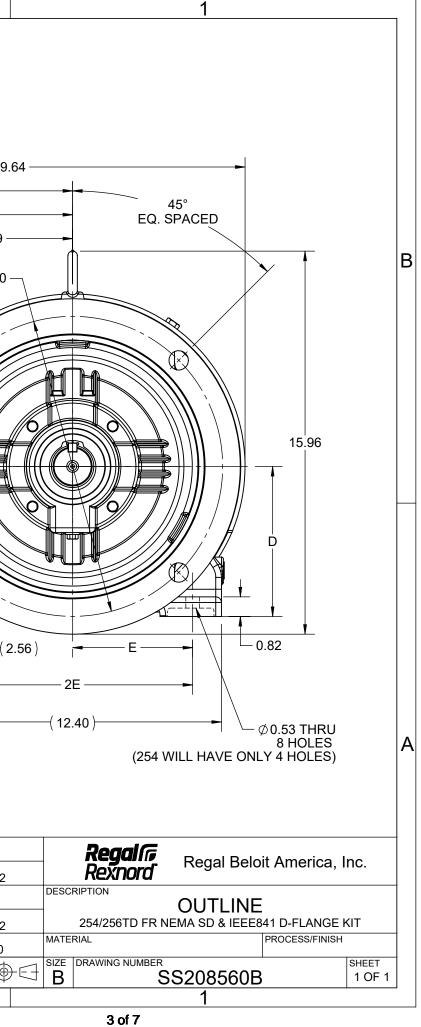
Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	230/460 V
Speed	3545 rpm	Service Factor	1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	35.5/17.8 A	Power Factor	87
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Listed	CSA	Y
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	2	Rotation	Reversible	
Resistance Main	.691 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	SS208560-100	Connection Drawing	EE7308	

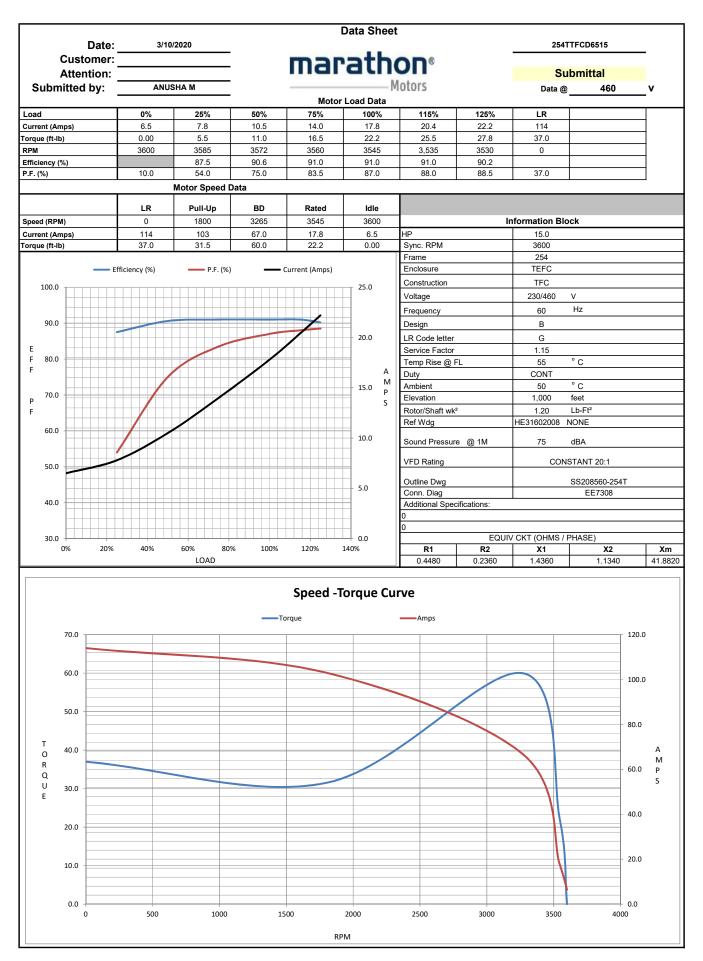
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			4			3 2								
	DASH NO.	В	С	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
	100	9.60	24.16	0.05	5.00	40.00	-	8.25	20.16	4.00	4.05	8.39		254TD
	200	11.34	25.89	6.25	5.00	10.00	8.25	10.00	21.89	4.00	4.25	9.25	- F1 OR F2	254/256TD
B			0.67		C				- AH	M	3.98	7.95 3.82 1-1/4 NPT LEAD HOL 4x Ø 0.81 TH		
								CR-0009883	SB	D	29/06/2022	PRIMARY D	IMENSIONS ARE INC	APPROVED BY
							Ci PF	OPYRIGHT (PER REVISIO ROPRIETARY AND CONFI REGAL BELOIT AMERI	ON DATE) REGAL BELOI IDENTIAL INFORMATION CA, INC. ("OWNER") ANI	IT AMERICA, INC. ALL F N - THIS DOCUMENT IS D CONTAINS OWNER'S	THE PROPERTY OF PROPRIETARY	ARE FOR R	BIONS IN [BRACKETS EFERENCE ONLY	DATE 29/06/2022
							BY	NFORMATION. ANY PERS Y RECEIVING IT, TO AGRI ) ANY PERSON, CORPOF S EXPRESSLY APPROVE	SON, CORPORATION OF EE THAT IT, AND/OR AN RATION OR OTHER ENT	R OTHER FIRM RECEIV IV PART OF IT, SHALL I ITY, DUPLICATED, AND	ING IT IS DEEMED, NOT BE DISCLOSED )/OR USED, EXCEPT			REFERENCE SS208560 THIRD ANGLE
									OWNER UPON REQUES	T. IT MAY BE SUBJECT	TO CERTAIN		<u>)</u>	THIRD ANGLE PROJECTION
			4					J					2	





				Π	аг	athon® Motors				DATA VOLTS:	460		
					CE	RTIFICATION DATA S	HEET						
								MODEL #:	254TTFCD	6515			
CONN. DIAGRAM: EE7308							CAT #: E481A						
OUTLINE: WINDING:		SS208560-254T HE31602008	NONE	6				MOUNTING:	F1/F2 CAP	ABLE			
				1	YPICAL	MOTOR PERFORM		DATA					
НР	ĸw	SYNC RPM	FL R	PM		FRAME	ENC	LOSURE	TYPE	KVA CO	DE	DESIGN	
15	11.2	3600	354	45		254T		TEFC	TFC	G		В	
PH	HZ	VOLTS	AM	PS		START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)	
3	60	230/460	35.5/	17.8	I	LINE OR INVERTER		CONT	Н	1.15	40	3300	
	F.L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	90.6 GTD EFF			ELECT.	TYPE		
	F.L. PF	87.0	3/4 LD PF	83.5		1/2 LD PF	75.0	90.2		SQ CAGE IN	NV RATED		
F.L. TO	ROUE	LR AMPS @	460 V		LE	R. TORQUE		B.D. TORQUE		F.L. RISE	(° C)		
	.B-FT	114	100 1	37.0	LB-FT	167%	60.0	LB-FT	270%	55			
SOUND PR	ESSURE @	SOUND	ROTOR		1	MAX. LOAD WK <sup>2</sup>	SAFE STALL TIME		STARTS/HOUR		APROX.	MOTOR	
	IBA	84 dBA	1.20	LB-FT <sup>2</sup>	22	LB-FT <sup>2</sup>	20	SEC.	2		335	LB.	
			•		*** 61	JPPLEMENTAL INFORM		*					
		ODE BRACKET	MOUNT		TOR		HAZ	ARDOUS	DRIP				
DE BRACH STAN		TYPE STANDARD	TYPE RIGID		TATION CONTAL	SEVERE DUTY PREMIUM SEVERE DUTY	LOCATION DIVISION 2 T2B		COVER NO	SCREENS NONE	PAINT BLUE (EPOXY)		
		01/10/10	14015				Dirie			Hone		2. 0/11/	
BEAR DE	ODE	GREASE	SHAFT	TYPE		SPECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAME N	IATERIAL	
BALL	BALL	POLYREX EM	т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6309	6209	FOLTREX EM	1			NONE		NONE	1045 HO	TROLLED (C-204)	CAS	IKON	
											00405		
		PROTECTORS	WDG F		BRG RTD's		THERMISTORS		CONTROL		SPACE	HEATERS	
NO	NE	NOT	NO	NE		NONE	NONE		FALSE		1	NA	
R1 (oh		R2 (ohms/ph)	X1 (ohr			X2 (ohms/ph)		(ohms/ph)	VIBR	ATION (in/sec)			
0.4	48	0.236	1.4	36		1.134	4	11.882	r oquala NC	0.080 DNE, contact factory f	or further infor	notion	
*								II IIIveite	r equais NC	INE, CONTACT TACIOTY I		nauon	
N O							I	INVERTER INV. HP SPEEI		CONSTANT 20:1 NONE			
E								ENCODER:	NONE				
S S								NONE					
*								NONE			NONE	PPR	
PREPARED BY: ANUSHA M						BRAKE: NON		NONE					
	DATE:	3/10/2020						FT-LB:	NL:	NA	-		
FORM OF								VOLTAGE:		NONE		HZ:	
FORM: 353 <sup>-</sup> ** Subject to	1 REV_4 change with	2/27/06 out notice.											





www.regalbeloit.com

## **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: 254TTFCD6515

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

Catalog No : E481A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer