# **PRODUCT INFORMATION PACKET**

Model No: 256THFCD19081 Catalog No: W542A XRI®-841 Severe Duty Motor, 10 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 256T Frame, TEFC



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# marathon®

### Nameplate Specifications

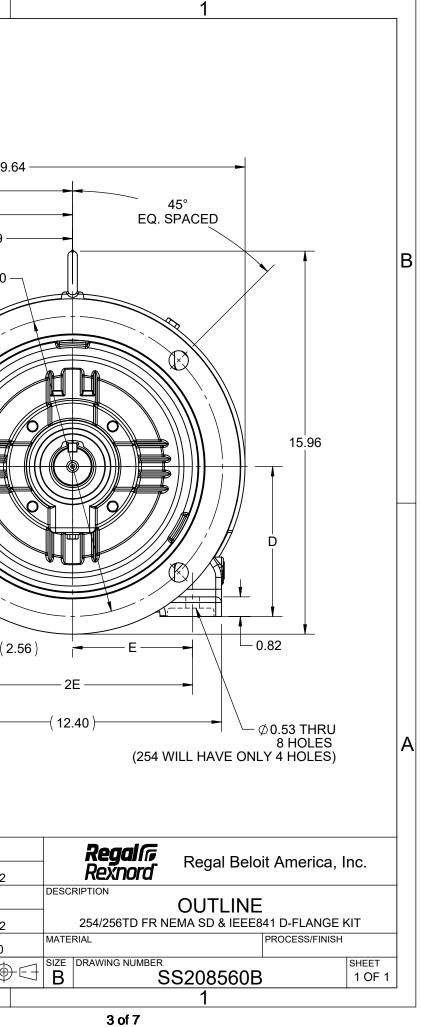
Phase	3	Output HP	10 Hp
Output KW	7.5 kW	Voltage	575 V
Speed	1180 rpm	Service Factor	1.15
Frame	256T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	10.3 A	Power Factor	80.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Listed	CSA	Υ
CE	Y	IP Code	56
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

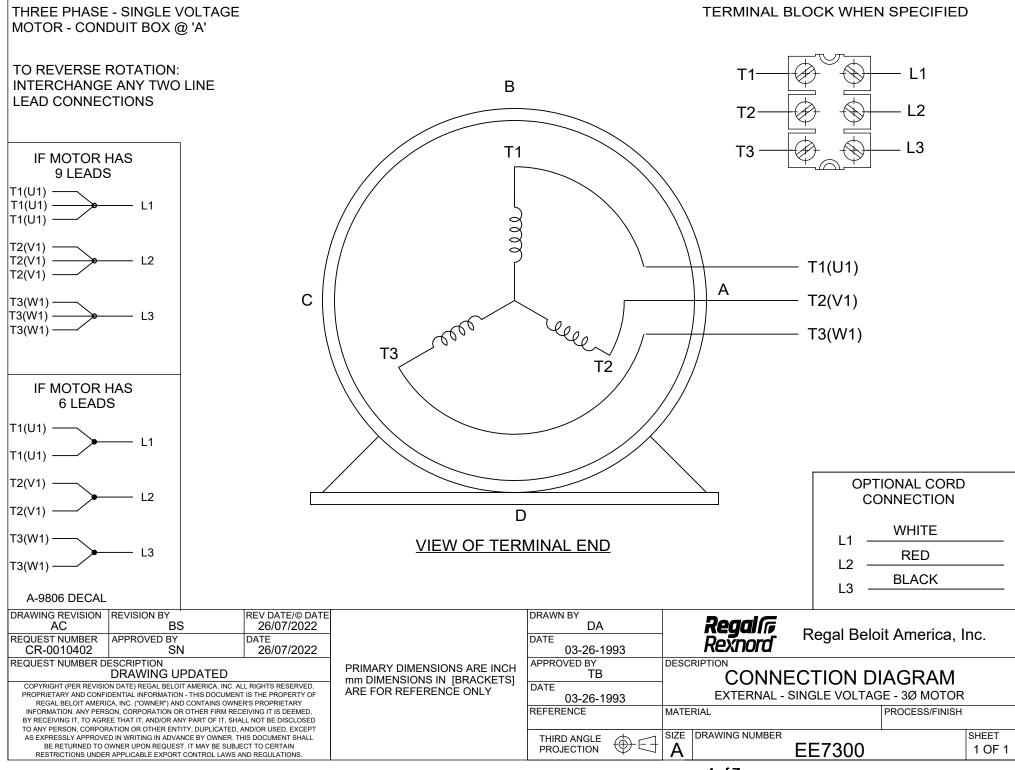
### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.21 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	SS208560-200

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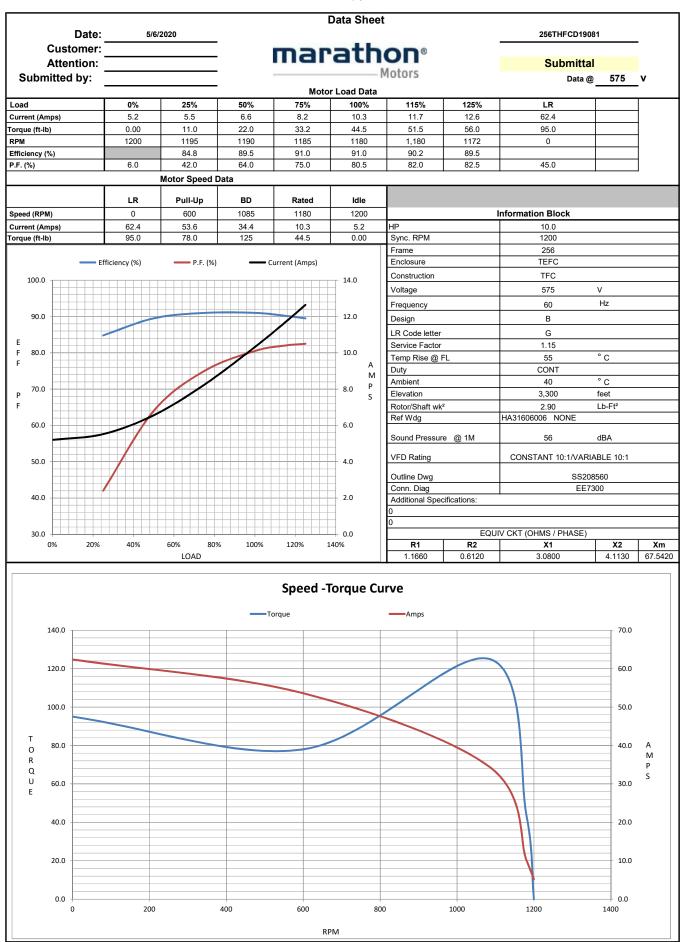
	4						3							
	DASH NO.	В	С	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
	100	9.60	24.16	16	5.00	40.00	-	8.25	20.16	4.00	4.05	8.39		254TD
	200	11.34	25.89	6.25	5.00	10.00	8.25	10.00	21.89	4.00	4.25	9.25	- F1 OR F2	254/256TD
B			0.67		C				- AH	M	3.98	7.95 3.82 1-1/4 NPT LEAD HOL 4x Ø 0.81 TH		
								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	





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				1	ma	га	thon® Motors				DATA VOLTS:	575	
						CER	TIFICATION DATA S	HEET					
CONN. DIA		EE7300					R	EFERENC	E MODEL #: CAT #:	256THFCD190	081 542A		-
DUTLINE: WINDING:	5	SS208560	) A31606006	NONE	3					F1/F2 CAPABI			
					ТҮ	PICAL	MOTOR PERFORMA	NCE D	ΑΤΑ				
HP	ĸw	SYNC	RPM	FL RF	PM		FRAME	ENC	LOSURE	TYPE	KVA CO	DDE	DESI
10	7.5	12	200	118	0		256T	Т	EFC	TFC	G		В
<b>PH</b> 3	HZ 60		LTS 75	AMP 10.3			START TYPE	DUTY CONT		INSL H	<b>S.F.</b> 1.15	AMB (° C)	ELEV. 330
5	F.L. EFF	91.0		3/4 LD EFF	91.0	' 	1/2 LD EFF	89.5	GTD EFF		ELECT. T	1	1 330
	F.L. PF	80.5		3/4 LD PF	75.0		1/2 LD PF	64.0	90.2		SQ CAGE INV		
		LR AMPS			05.0		R. TORQUE	B.D. TORQU			F.L. RISE	(°C)	
	LB-FT		62.4		95.0	LB-FT	213%		LB-FT	281%	55		
	RESSURE dBA	65	UND dBA	2.90	WK <sup>2</sup> LB-FT <sup>2</sup>	200	MAX. LOAD WK <sup>2</sup> LB-FT <sup>2</sup>	20	TALL TIME SEC.	1	2 2 2 2		ROX.
	<b>Ket type</b> Idard	TY	racket 'Pe Idard	Mount Type Rigid	ORIEN	*** SUF TOR TATION CONTAL	PLEMENTAL INFORMA SEVERE DUTY PREMIUM SEVERE DUTY	HAZA	ARDOUS CATION ON 2 T2B	DRIP COVER	SCREENS NONE		<b>INT</b> EPOXY
BEAF		GRE	EASE	SHAFT	TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIA	
BALL 6309	BALL 6209	POLYF	REX EM	Т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS			CTORS	WDG R			BRG RTD's	THERMISTORS		CONTROL FALSE		SPACE HEATERS	
NC	DNE	N	ОТ	NON	E		NONE	N	IONE	FA	LSE	<u>г</u>	NA
R1 (ohms/ph) 1.821875			i <b>ms/ph)</b> 5625	X1 (ohm 4.812			X2 (ohms/ph) 6.4265625	Xm (ohms/ph) 105.534375		VIBRATION (in/sec) 0.080			
* N O T								If Inverter	INVERT		for further inform CONSTANT 10: NONE		E 10:1
E S *									ENCODER: NONE NONE BRAKE:			NONE	PPR
	ARED BY: _ DATE:		/2020							ONE	NON NA ONE	E	





## **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: 256THFCD19081

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

Catalog No : W542A

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