PRODUCT INFORMATION PACKET

Model No: 254THFCD9001 Catalog No: W544A XRI®-841 Severe Duty Motor, 15 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 254T Frame, TEFC



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marathon®

Nameplate Specifications

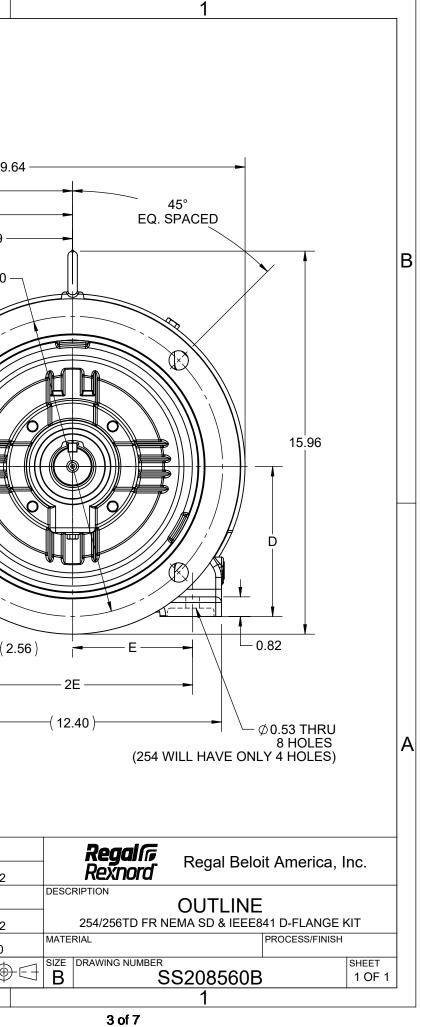
Phase	3	Output HP	15 Hp
Output KW	11.2 kW	Voltage	460 V
Speed	3545 rpm	Service Factor	1.15
Frame	254T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	17.8 A	Power Factor	87
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209
UL	Listed	CSA	Y
CE	Υ	IP Code	56
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

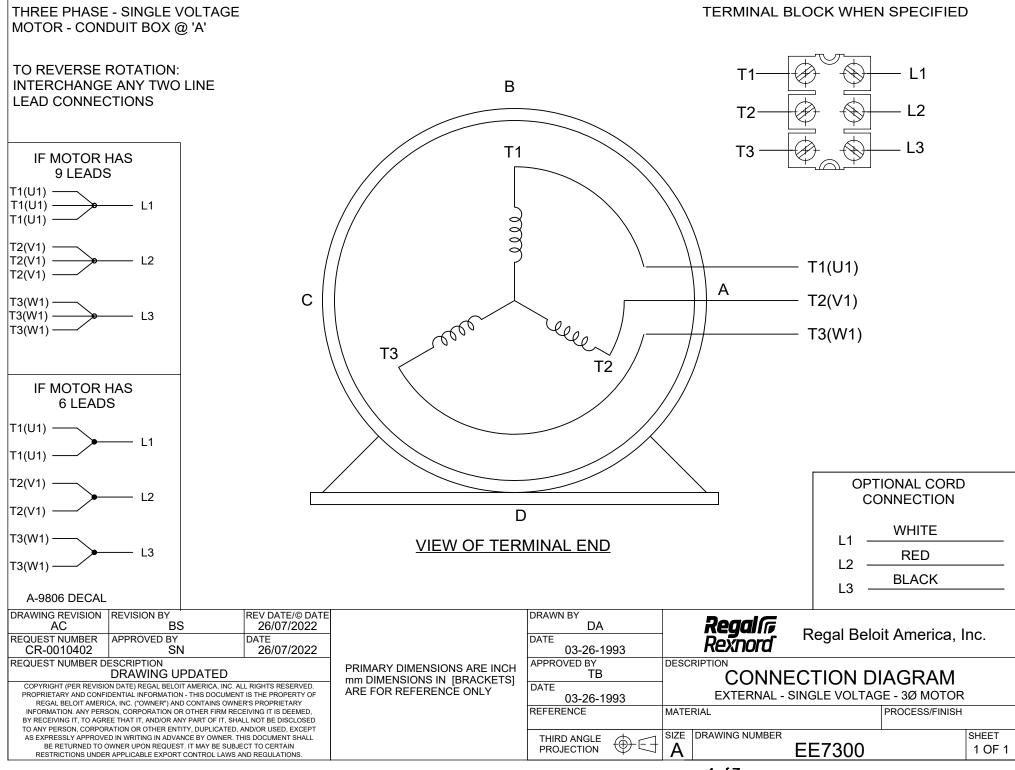
Technical Specifications

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	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS208560-100

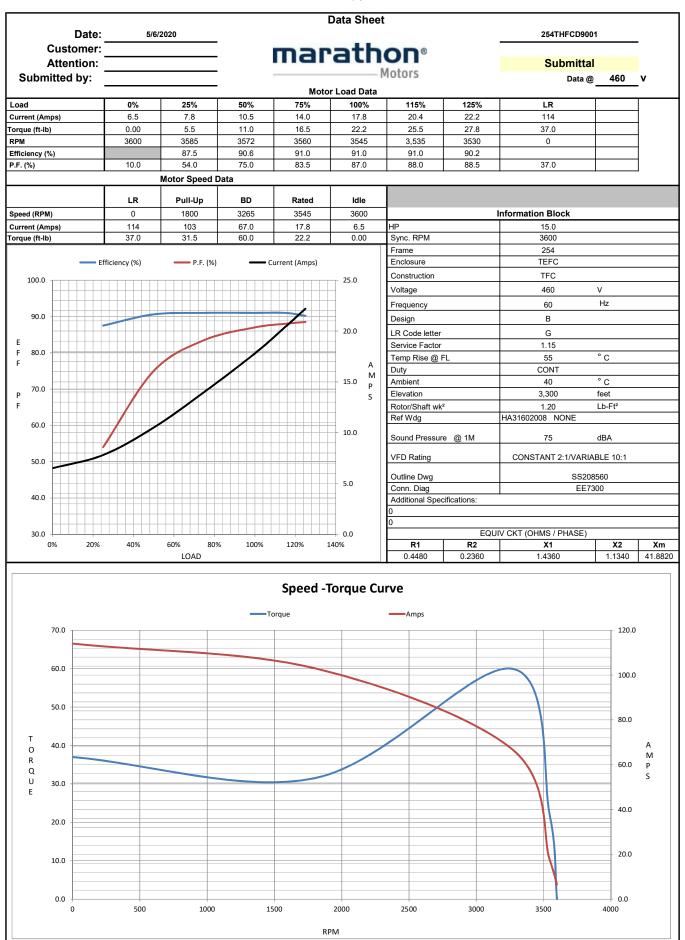
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	4					3			2					
	DASH NO.	В	С	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
	100	9.60	24.16	0.05	5.00	40.00	-	8.25	20.16	4.00	4.05	8.39		254TD
	200	11.34	25.89	6.25	5.00	10.00	8.25	10.00	21.89	4.00	4.25	9.25	- F1 OR F2	254/256TD
B			0.67		C				- AH	M	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	





					ma	га	Motors				DATA VOLTS:	460		
						CER	TIFICATION DATA S	HEET						
CONN. DIA OUTLINE: WINDING:		EE7300 SS208560 HA310	602008	NONE	5				CAT #: MOUNTING:	254THFCD900 W F1/F2 CAPABI	544A		-	
HP	ĸw	SVNC B	DM			PICAL					KVA CO		DESIGN	
15				L RPM FRAME				EFC	TYPE TFC			В		
15	11.2	2 3600 3545		5		254T		EFC	IFC	G		Ь		
PH	HZ	VOLTS	6	AMP	s	START TYPE		D	UTY	INSL	S.F.	AMB (° C)	ELEV. (F	
3	60	460		17.8	3	l	INE OR INVERTER	C	ONT	Н	1.15	40	3300	
	F.L. EFF	91.0		3/4 LD EFF	91.0	I	1/2 LD EFF	90.6	GTD EFF	1	ELECT. TY	/PF		
	F.L. PF	87.0		3/4 LD PF	83.5		1/2 LD PF	75.0	90.2		SQ CAGE INV			
F.L. TORQUE 22.2 LB-FT		LR	LR AMPS 114 37.0		37.0	L.R. TORQUE LB-FT 167%		B.D. TORQI 60.0 LB-FT		UE 270%	F.L. RISE 55	(°C)	<u> </u>	
	20-11		114		07.0	2011	10170	00.0	20-11	21070	00			
SOUND PRESSURE		SOUNE		ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		APROX.		
75 (dBA	84 dB	A	1.20	LB-FT ²	22	LB-FT ²	20	SEC.		2	296	LB.	
							PLEMENTAL INFORMA							
DE BRACKET TYPE						TOR TATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT		
STANDARD		STANDA		RIGID		ONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B		NO	NONE	BLUE (EPOXY)		
						1								
BEARINGS DE ODE		GREAS	E	SHAFT	TYPE		SPECIAL DE	SPECIAL ODE		SHAFT	SHAFT MATERIAL		FRAME MATERIAL	
BALL BALL			EM	т			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
6309	6209	POLYREX EM T NONE		NONE	N.	IONE	1045 HOT K	JLLED (C-204)	CAS	TINON				
												SP	ACE	
THERMOSTATS		PROTECT	ORS	WDG R			BRG RTD's		MISTORS	CONTROL		HEATERS		
NONE		NOT		NON	E	NONE		NONE		FALSE		1	NA	
R1 (ohr	ms/ph)	R2 (ohms	/ph)	X1 (ohm	s/ph)		X2 (ohms/ph)	Xm (o	ohms/ph)	VIBRATI	ON (in/sec)			
0.4		0.236		1.43			1.134		1.882		080			
*								If Inverter	equals NONF	contact factory	for further inform	nation		
N											CONSTANT 2:1		10:1	
0									INV. HP SF	PEED RANGE:	NONE			
Т										NONE				
E S									ENCODER: NONE	NUNE				
									NONE			NONE	PPR	
*									BRAKE:	NONE				
*							1					_		
*	ARED BY:	5/13/203	20							ONE	NON	E		
*	ARED BY: DATE:	5/13/202	20						N FT-LB: VOLTAGE:	1	NON NA ONE	E	ŀ	





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: 254THFCD9001

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

Catalog No : W544A

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