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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Nameplate Specifications

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

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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Uncontrolled Copy DASH NO. С Ε 2FF BS MOUNTING FRAME 2E 2F BA 24.15 4.13 100 9.60 8.25 254T 5.00 10.00 4.25 F1 OR F2 25.89 10.00 254/256T 200 11.34 8.25 5.00 - 19.64 -12.46 9.17 2.09 0.14 Θ 3/8 x 3/8 x 2.88 KEY 15.22 6.96 7.95 \emptyset 1.625 3.82 6.25 1-1/4 NPT LEAD HOLE-0.82 -4.00 0.67 — (12.40 Ø 0.53 THRU 8 HOLES (254 WILL HAVE ONLY 4 HOLES) F2 VIEW DRAWN BY
BISWA DRAWING REVISION BY BISWA REV DATE/© DATE 10/07/2020 Regal Beloit America, Inc. REGAL ECO-0194249 APPROVED BY GNK DATE 10/07/2020 26/09/2018 ECO DESCRIPTION APPROVED BY SBD DESCRIPTION PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] DRAWING UPDATED

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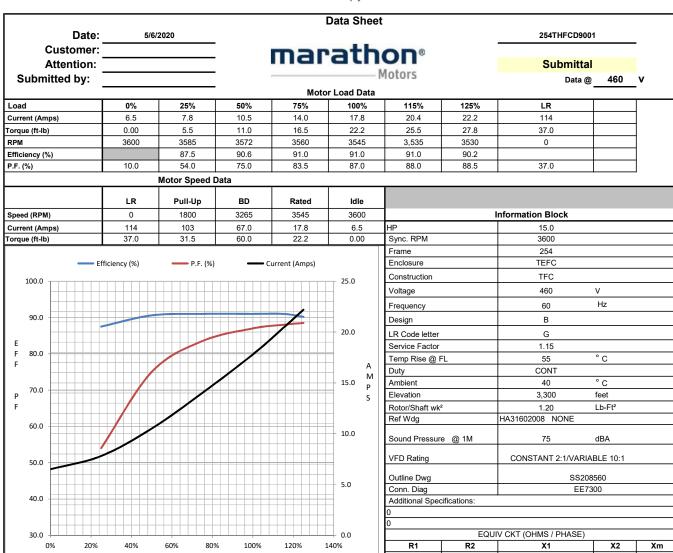
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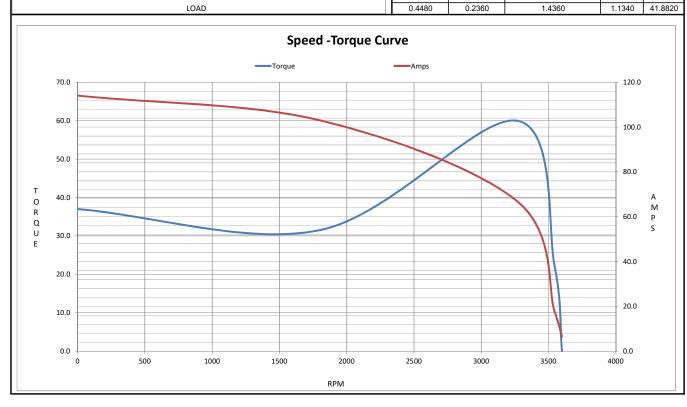




DATA VOLTS: 460

		EE7300 SS208560											
		HA3160200	3 NONE	5		F		CAT #:	254THFCD900 W5 F1/F2 CAPABL	544A			
				TV	ישוראו ו	MOTOR REPEORMA	NCE D	Λ Τ Λ					
	ĸw	SYNC RPM	TYPICAL MOTOR PERFORM FL RPM FRAME		ENCLOSURE		TYPE KVA CO		DE.	DESIGN			
15 1	11.2	3600	3545		254T		TEFC		TFC G		<i>,</i>	В	
10	11.2	0000	1 00-1			2041	<u>.</u>		1 110				
	HZ	VOLTS	AMPS		START TYPE		DUTY		INSL	S.F.		ELEV. (Ft	
3	60	460	17.	8	L	INE OR INVERTER	С	ONT	Н	1.15	40	3300	
	L. EFF	91.0	3/4 LD EFF	91.0		1/2 LD EFF	90.6	GTD EFF		ELECT. T			
	F.L. PF	87.0	3/4 LD PF	83.5		1/2 LD PF	75.0	90.2		SQ CAGE INV	RATED		
F.L. TORQ	UE	LR AMPS	3		L.F	. TORQUE		B.D. TORQ	UE	F.L. RISE	(° C)		
22.2 LB-I	FT	114		37.0	LB-FT	167%	60.0	LB-FT	270%	55			
COUND DDEC	OUDE	COUND	ВОТОБ	14/1/2	1	MAY LOAD WIG2	0455.0	TALL TIME	CTART	OULOUD	400		
75 dBA		SOUND 84 dBA	1.20	LB-FT ²	22	MAX. LOAD WK ² LB-FT ²	20 20	SEC.	1	RTS/HOUR AF 2 296		LB.	
DE BRACKET STANDAR		ODE BRACKET TYPE STANDARD	MOUNT TYPE RIGID	ORIEN	TOR TATION ZONTAL	SEVERE DUTY PREMIUM SEVERE DUTY	LOC	ARDOUS EATION ON 2 T2B	DRIP COVER	SCREENS NONE		EPOXY)	
BEARING		GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL	
BALL B	BALL 6209	POLYREX EM	Т			NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST	CAST IRON	
THERMOST	ATS	PROTECTORS NOT	WDG F			BRG RTD's NONE		WISTORS ONE	CONTROL HEAT		ACE TERS		
NONE		NOT	I NOI	NE.	1	NONE	IN	ONE	FA	LOE	1	iA	
R1 (ohms/) 0.448	ph)	R2 (ohms/ph) 0.236	X1 (ohn 1.43			X2 (ohms/ph) 1.134		hms/ph) 1.882		ON (in/sec) 080			
* N O T							If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1 INV. HP SPEED RANGE: NONE						
E S *								ENCODER: NONE NONE			NONE	PPR	
PREPARE I FORM: 3531 R	DATE:	5/13/2020						BRAKE: N FT-LB: VOLTAGE:	ONE 1	NON NA ONE	E	HZ:	







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)

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