PRODUCT INFORMATION PACKET



Model No: 254TTFCD6576 Catalog No: E636A

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



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Nameplate Specifications

Output HP	7.50 Hp	Output KW	5.6 kW			
Frequency	60 Hz	Voltage	460 V			
Current	9.9 A	Speed	1182 rpm			
Service Factor	1.15	Phase	3			
Efficiency	91 %	Power Factor	78.5			
Duty	Continuous	Insulation Class	Н			
Design Code	В	KVA Code	н			
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	55			
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1			

Technical Specifications

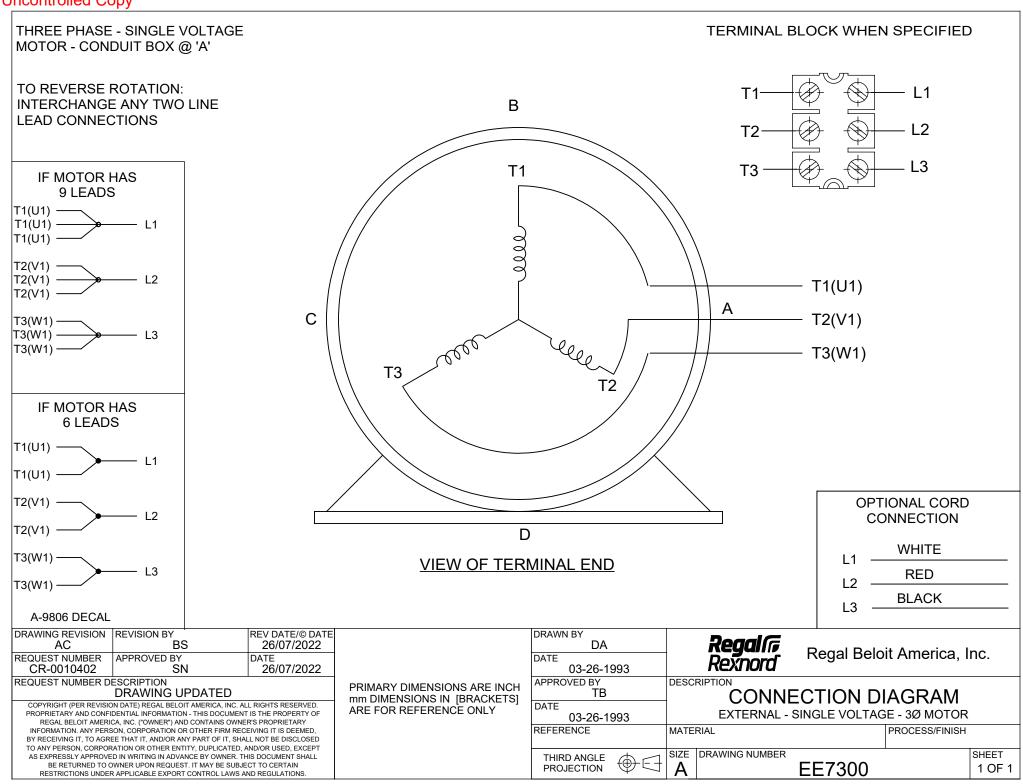
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	1.366 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	1.625 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS208560-100

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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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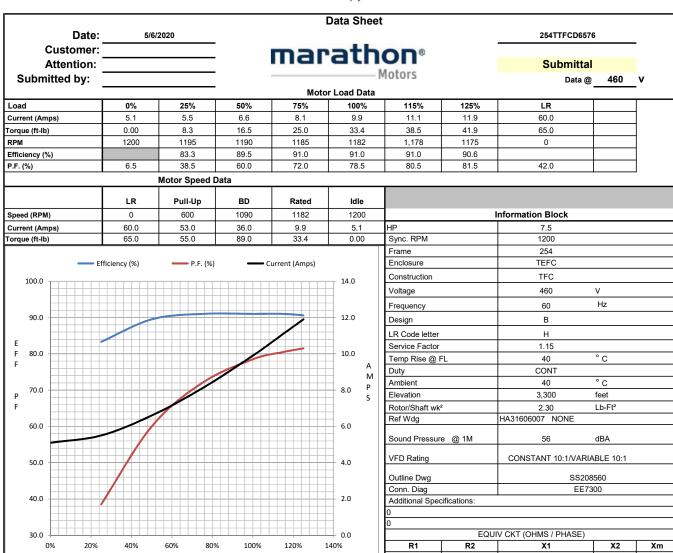
PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY OUTLINE 254T/256T FR-NEMA-SD & IEEE841 ARE FOR REFERENCE ONLY 26/09/2018 REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNERS PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS. PROCESS/FINISH REFERENCE MATERIAL SIZE DRAWING NUMBER SHEET THIRD ANGLE В SS208560 1 OF 1 PROJECTION 4 3 of 7

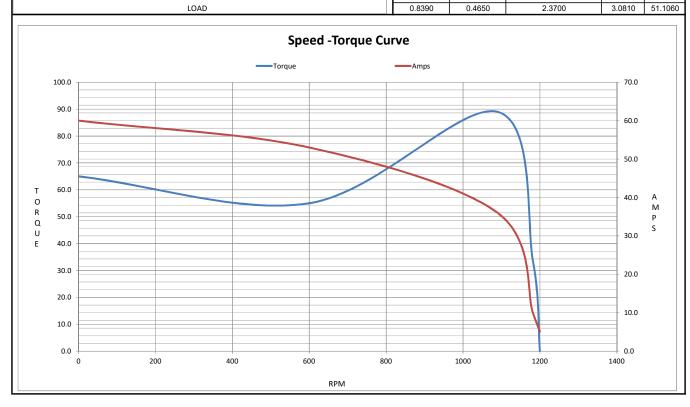




DATA VOLTS: 460

					CER	TIFICATION DATA S	HEET					
		EE7300 SS208560				F	REFERENC	E MODEL #: CAT #:	254TTFCD657	6 336A		-
WINDING:		HA3160600	7 NONE	4				MOUNTING:	F1/F2 CAPABI	-E		
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA				
HP	KW	SYNC RPM	FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.6 1200 1182		32		254T	TEFC		TFC	н		В	
PH	HZ	VOLTS	AMI	PS .		START TYPE	п	UTY	INSL	S.F.	AMB (° C)	FLEV (
3	60	460	9.9		L	INE OR INVERTER		ONT	Н	1.15	40	3300
	F.L. EFF	91.0 78.5	3/4 LD EFF 3/4 LD PF	91.0 72.0		1/2 LD EFF 1/2 LD PF	89.5 60.0	GTD EFF 90.2		ELECT. TY		
				12.0			00.0					
	DRQUE LB-FT	LR AMP : 60.0		65.0	L.R LB-FT	195%	89.0	B.D. TORQ LB-FT	266%	F.L. RISE 40	(° C)	
SOUND P	RESSURE	SOUND	ROTOR			MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR		ROX.
56	dBA	65 dBA	2.30	LB-FT ²	150	LB-FT ²	20	SEC.		2	299	LB.
		ODE BRACKET	MOUNT	MO	*** SUP	PLEMENTAL INFORMA		RDOUS			1	
	KET TYPE	TYPE STANDARD	TYPE	ORIEN	TATION	SEVERE DUTY	LOC	ATION	DRIP COVER	SCREENS		INT
	IDARD	STANDARD	RIGID	HURIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE ((EPOXY)
DE BEAR	BEARINGS GREASE		SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL 6309	BALL 6209	POLYREX EM	Т			NONE	N	ONE	1045 HOT ROLLED (C-204)		CAST IRON	
												ACE
THERMOSTATS NONE		PROTECTORS NOT	WDG F			BRG RTD's NONE		MISTORS ONE	CONTROL FALSE		HEATERS NA	
R1 (oh	ıms/ph)	R2 (ohms/ph)	X1 (ohn	ns/ph)		X2 (ohms/ph)	Xm (c	hms/ph)	VIBRATI	ON (in/sec)	FL	OAT
0.8	839	0.465	2.3	7		3.081	5	1.106	0.	080	0	DE
* N O							If Inverter	INVERT		for further inform CONSTANT 10: NONE		≣ 10:1
T E								ENCODER:	NONE			
\$ *								NONE NONE			NONE	PPR
PREP	ARED BY:	<u> </u>						BRAKE:	NONE ONE	NON		
	DATE:	5/13/2020						FT-LB: VOLTAGE:	1	NA ONE		н
	31 REV_4 to change w	2/27/06 ithout notice.										







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: 254TTFCD6576

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

Catalog No: E636A

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

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