PRODUCT INFORMATION PACKET



Model No: 254TTFCD6578 Catalog No: E684A

XRI®-SD Severe Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 254T Frame, TEFC



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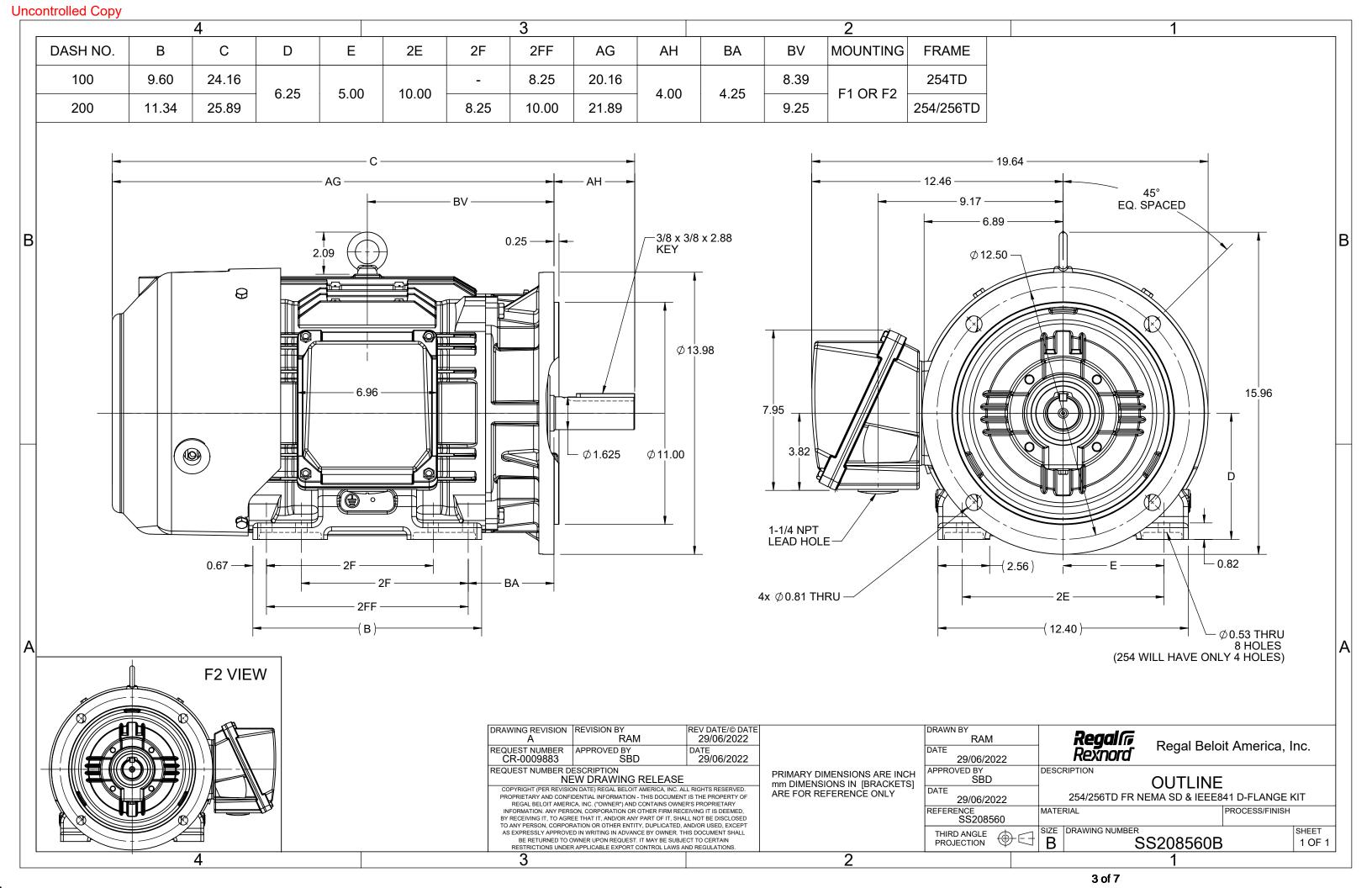
Nameplate Specifications

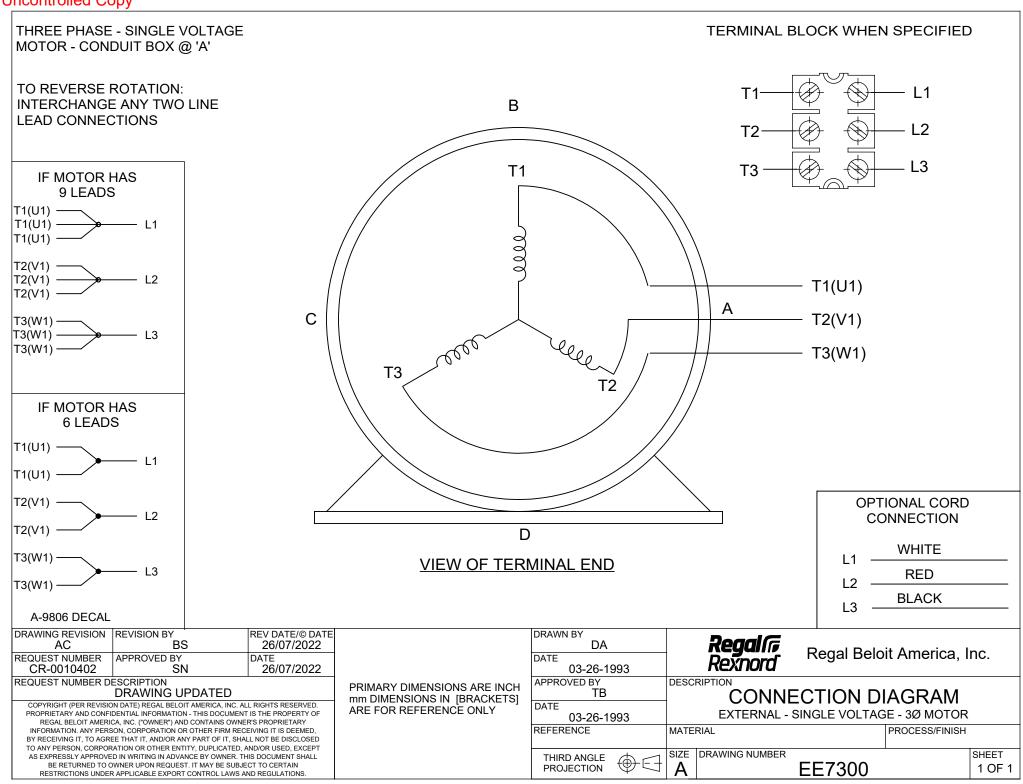
Phase	3	Output HP	7.50 Hp		
Output KW	5.6 kW	Voltage	575 V		
Speed	1182 rpm	Service Factor	1.15		
Frame	254T	Enclosure Totally Enclo			
Thermal Protection	No Protection	Efficiency	91.0 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	7.9 A	Power Factor	78.5 H		
Duty	Continuous	Insulation Class			
Design Code	В	KVA Code	Н		
Drive End Bearing Size	6309	Opp Drive End Bearing Size	6209		
UL	Listed	CSA	Υ		
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	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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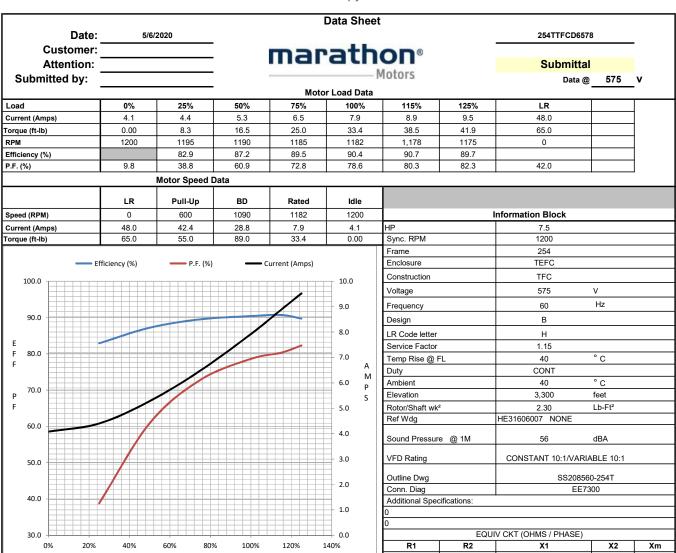




DATA VOLTS: 575

CERTIFICATION DATA SHEET

CONN. DIA DUTLINE: WINDING:		EE7300 SS208560-: HE3	254T 31606007	NONE	3 TY	PICAL I	R MOTOR PERFORMA		CAT #:	254TTFCD657 E6 F1/F2 CAPABL	684A		-
HP	ĸw	SYNC	RPM	FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN
7.5	5.6	1200 1182		2	254T		TEFC		TFC	Н		В	
PH	HZ		OLTS AMPS			START TYPE		DUTY		INSL	S.F.	AMB (° C) ELEV.	
3	60	57	5	7.9	9 LINE OR INVERTER		CONT		Н	1.15 40	40	3300	
	F.L. EFF	90.4		3/4 LD EFF	89.5	1	1/2 LD EFF	87.2	GTD EFF		ELECT. TY	PE.	
	F.L. PF	78.6		3/4 LD PF	72.8		1/2 LD PF	60.9	90.2		SQ CAGE INV		
										•			
F.L. TO	ORQUE	ı	R AMPS			L.R. TORQUE			B.D. TORQ	QUE F.L. RISI		(° C)	
33.4	LB-FT		48.0		65.0	LB-FT	195%	89.0	LB-FT	266%	40		
						1							
	RESSURE	SOU		ROTOR			MAX. LOAD WK ²		TALL TIME				ROX.
56	dBA	65 (BA	2.30	LB-FT ²	150	LB-FT ²	20	SEC.		2	297	LB.
STAN	DARD	STANE		TYPE RIGID		ZONTAL	PREMIUM SEVERE DUTY		ON 2 T2B	NO	NONE	BLUE (EPOXY)	
DE	RINGS	GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL 6309	BALL 6209	POLYR	EX EM	Т			NONE	Ν	IONE	1045 HOT ROLLED (C-204)		CAST IRON	
THERMOSTATS		PROTEC	TORS	WDG R	TD's		BRG RTD's	THERMISTORS		CONTROL		SPACE HEATERS	
NC	NE	NO	Т	NON	ONE		NONE	NONE		FALSE		NA	
R1 (oh	ms/ph)	R2 (ohn	ns/ph)	X1 (ohm	ıs/ph)		X2 (ohms/ph)	Xm (ohms/ph)	VIBRATIO	ON (in/sec)	FL	OAT
2.0484375		1.134		5.7859							0.080 ODE		
* N O T		If Inverter equals NONE, contact factory for further information INVERTER TORQUE: CONSTANT 10:1/VARIABLE INV. HP SPEED RANGE: NONE								E 10:1			
E S									ENCODER: NONE NONE			NONE	PPR
PREP	ARED BY: DATE:	5/13/2 2/27/06	2020						BRAKE: NO FT-LB: VOLTAGE:	ONE 1	NONE NA DNE	≣	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: 254TTFCD6578

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

Catalog No : E684A

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