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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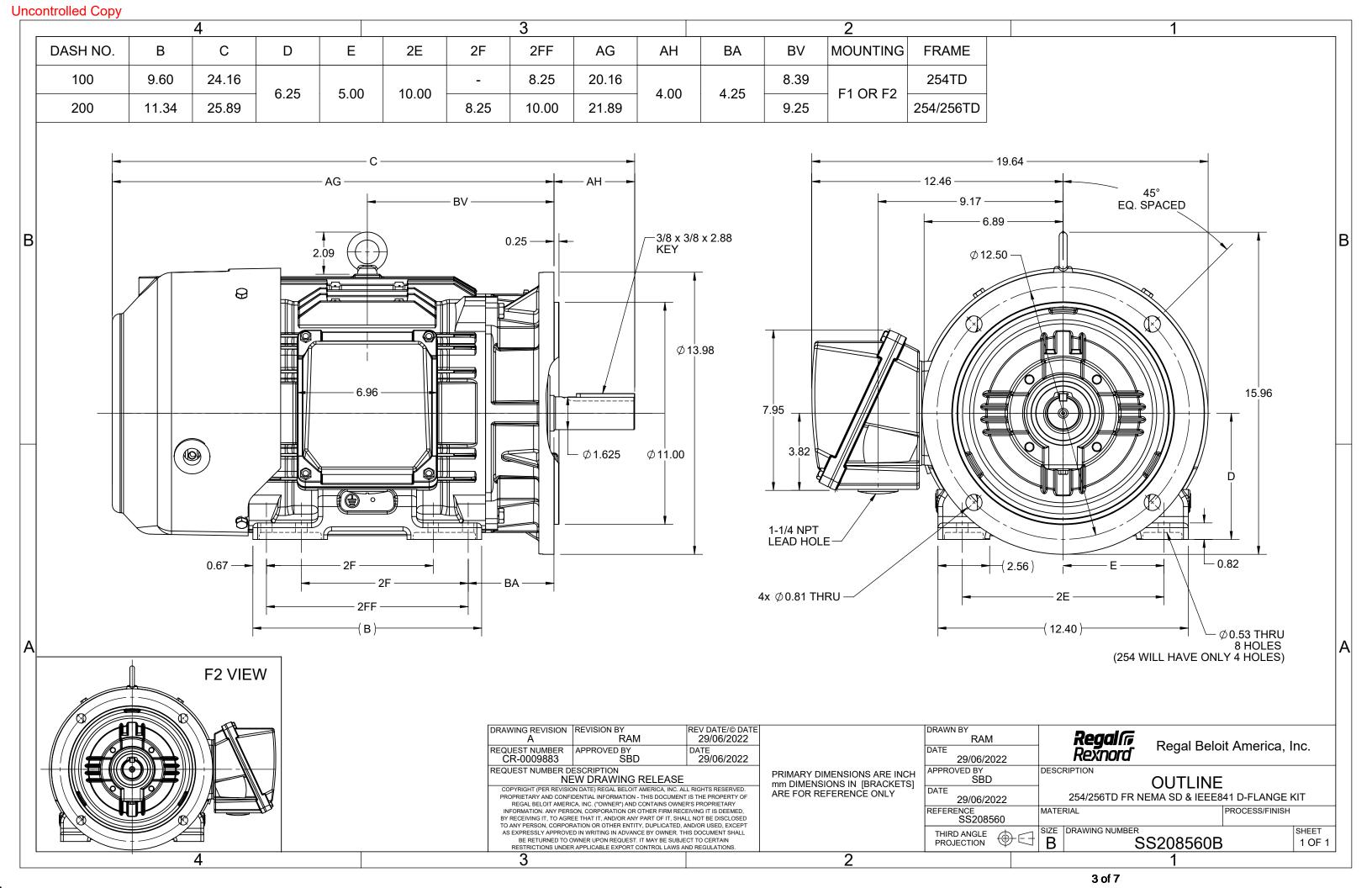
Nameplate Specifications

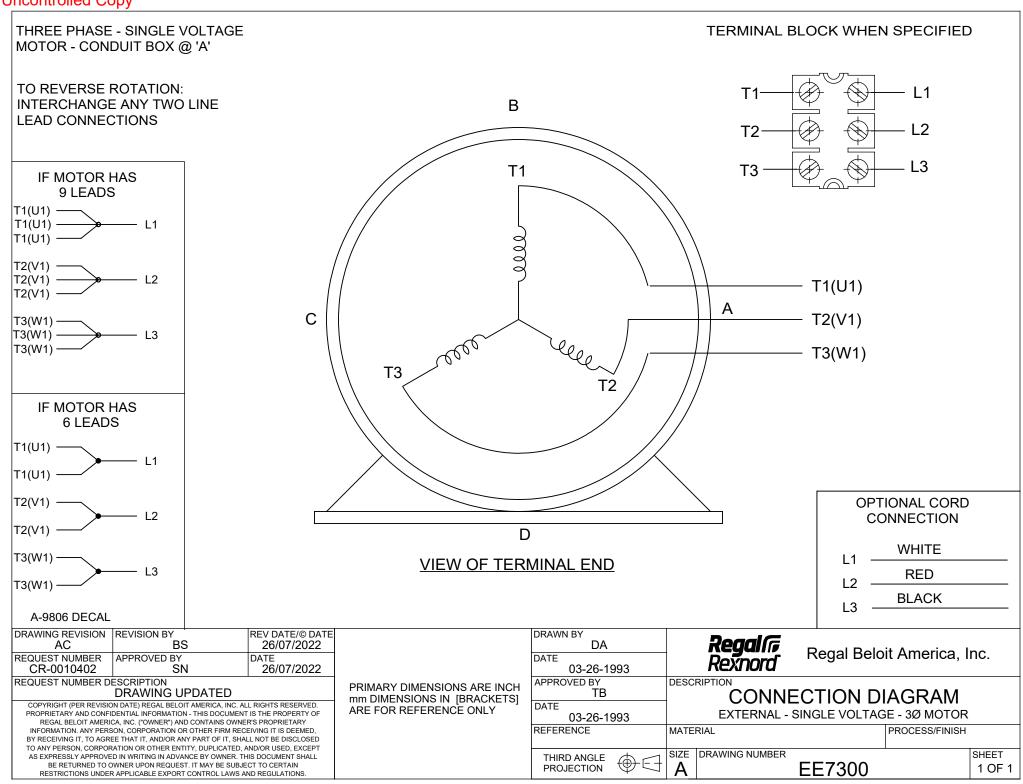
Phase	3	Output HP	7.50 Hp			
Output KW	5.6 kW	Voltage	460 V			
Speed	1182 rpm	Service Factor	1.15			
Frame	254T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Efficiency	91 %			
Ambient Temperature	40 °C	Frequency	60 Hz 78.5			
Current	9.9 A	Power Factor				
Duty	Continuous	Insulation Class	Н			
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		
Outline Drawing	SS208560-100	Connection Drawing	EE7300		

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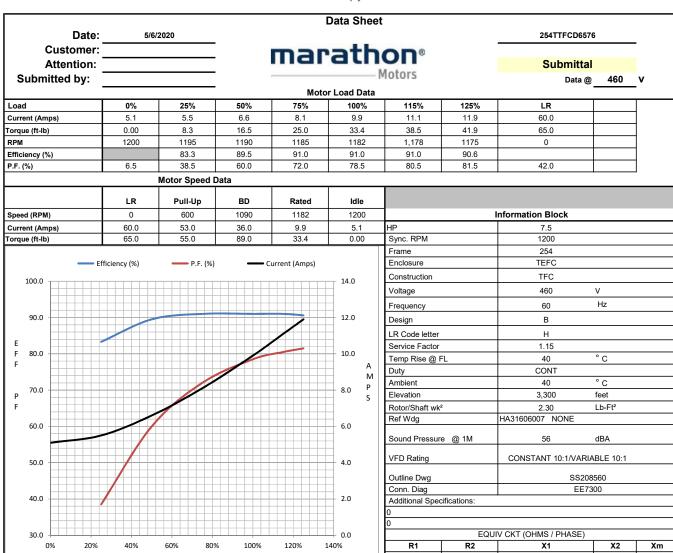


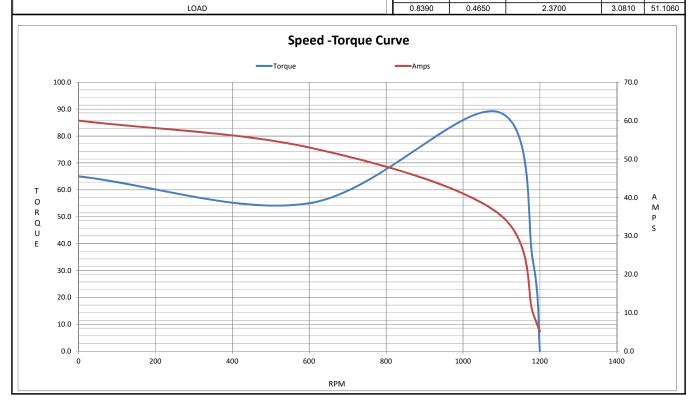




DATA VOLTS: 460

					CER	TIFICATION DATA S	HEET						
		EE7300 SS208560				REFERENCE MODEL #: 254TTFCD6576 CAT #: E636A							
WINDING:		HA316060	7 NONE	4				MOUNTING:	F1/F2 CAPABI	-E			
				TY	PICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	KW	SYNC RPM	I FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN	
7.5	5.6 1200 1182		254T		TEFC		TFC	Н		В			
PH	HZ	VOLTS	AMI	PS .		START TYPE	п	UTY	INSL	S.F.	AMB (° C)	FLEV (I	
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			
	F.L. PF	76.5	3/4 LD PF	72.0		1/2 LD PF	60.0	90.2		3Q CAGE INV	KATED		
	DRQUE LB-FT	LR AMF 60.0		65.0	L.R LB-FT	195%	89.0	B.D. TORQ	266%	F.L. RISE 40	(° C)	-	
SOUND P	RESSURE	SOUND	ROTOR	R WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
	dBA	65 dBA		LB-FT ²	150	LB-FT ²	20	SEC.		2	299	LB.	
						PLEMENTAL INFORMA							
DE BRAC	KET TYPE	ODE BRACKET TYPE				SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER	DRIP COVER SCREENS		PAINT	
STAN	IDARD	STANDARD	RIGID	HORIZ	ZONTAL	PREMIUM SEVERE DUTY	DIVISI	ON 2 T2B	NO	NONE	BLUE (BLUE (EPOXY)	
BEARINGS G		GREASE	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE SHAFT		SHAFT	MATERIAL FRAME		MATERIAL	
BALL 6309	BALL 6209	POLYREX EM	POLYREX EM T			NONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON		
												ACE	
THERMOSTATS NONE		PROTECTORS NOT	WDG F			BRG RTD's NONE		MISTORS ONE	RS CONTROL FALSE		HEATERS NA		
		DO (1				V2 / 1 / 1)	· · ·						
	1 ms/ph) 839	R2 (ohms/ph) 0.465	X1 (ohn 2.3			X2 (ohms/ph) 3.081		hms/ph) 1.106		ON (in/sec) 080		DE DE	
*							If Inverter			for further inform			
N O							INVERTER TORQUE: CONSTANT 10:1/VARIABL INV. HP SPEED RANGE: NONE ENCODER: NONE				1/VARIABLI	≣ 10:1	
T E													
s *								NONE NONE			NONE	PPR	
pper	ADED BY							BRAKE:	NONE ONE	NON	=		
PKEP	ARED BY: DATE:	5/13/2020						FT-LB:	1	NON AA ONE	=	HZ	
FORM: 35	31 REV 4	2/27/06											







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

(€ 22