PRODUCT INFORMATION PACKET



Model No: 324THFCD9080 Catalog No: W563A

XRI®-841 Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 575 V, 1200 RPM, 324T Frame, TEFC



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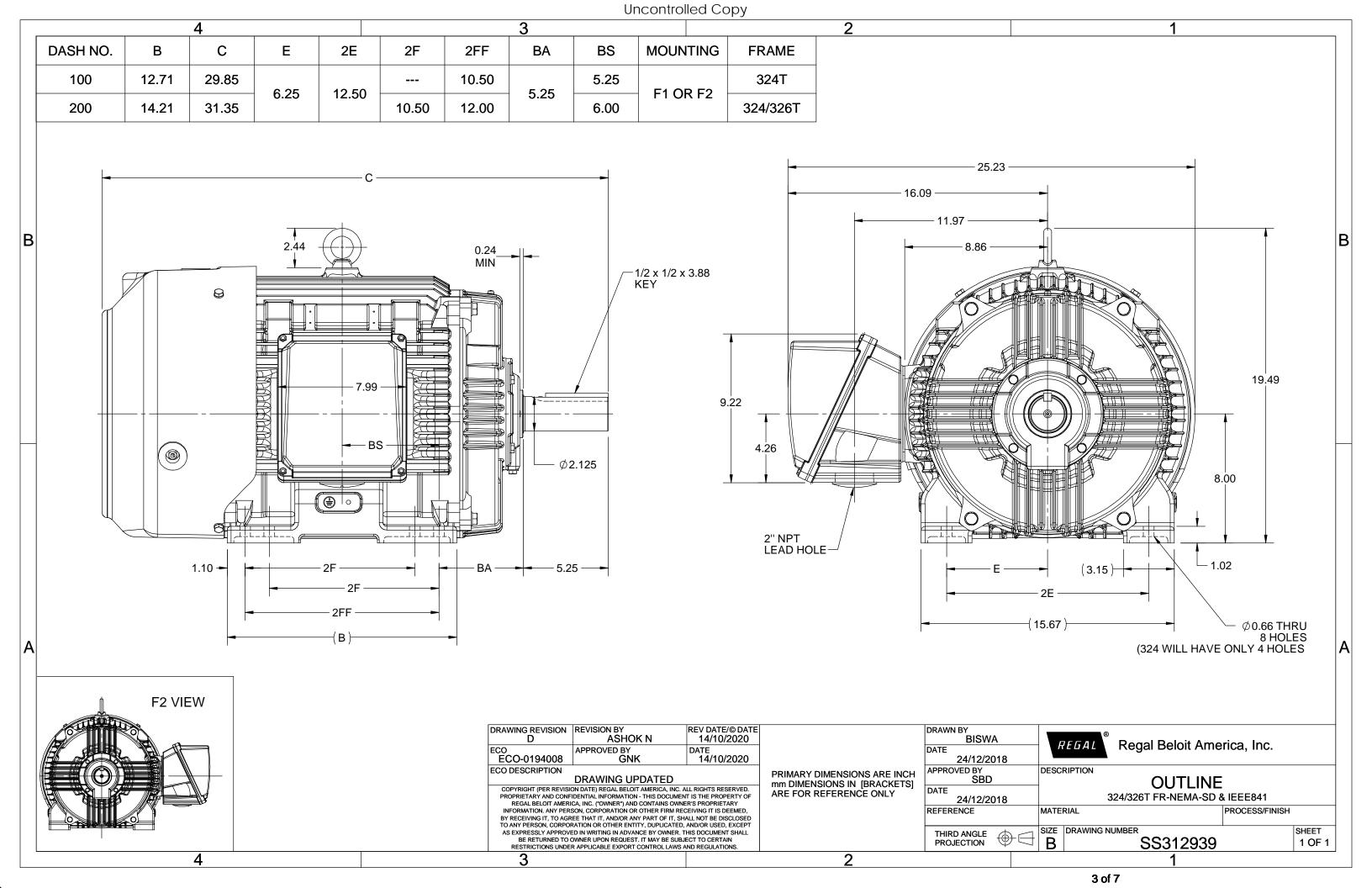
Nameplate Specifications

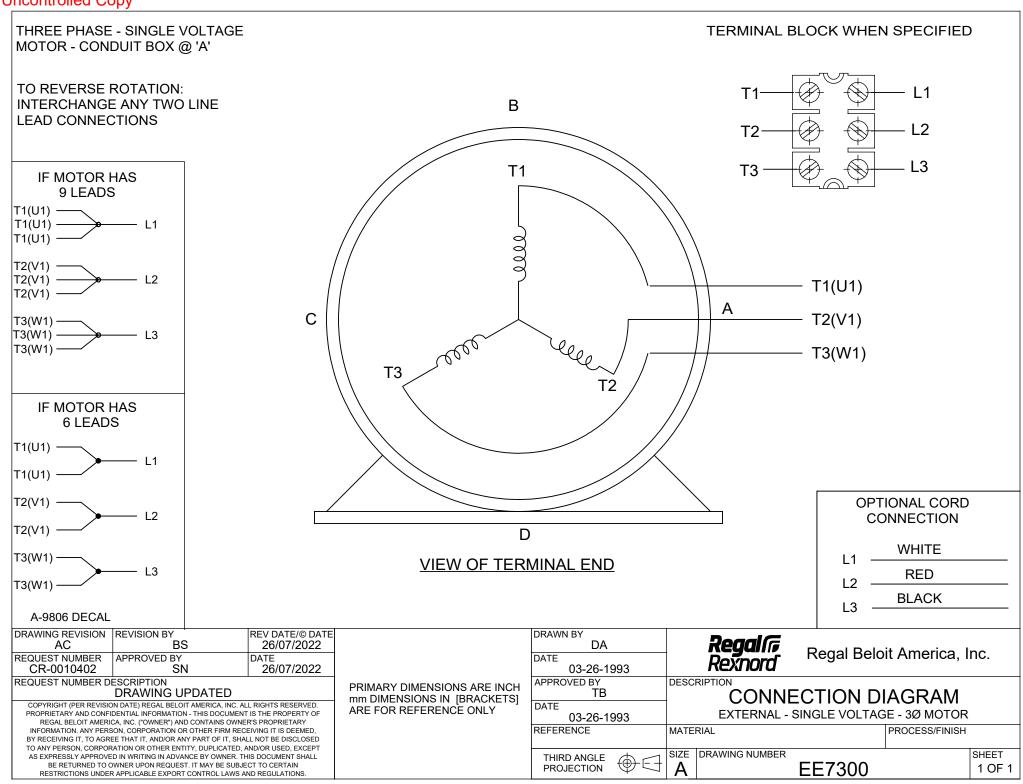
Phase	3	Output HP	25 Hp
Output KW	18.7 kW	Voltage	575 V
Speed	1184 rpm	Service Factor	1.15
Frame	324T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	93 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	24.0 A	Power Factor	78.5
Duty	Continuous	Insulation Class	н
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
UL	Listed	CSA	Υ
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	6	Rotation	Reversible
Resistance Main	.327 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	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS312939-100	Connection Drawing	EE7300

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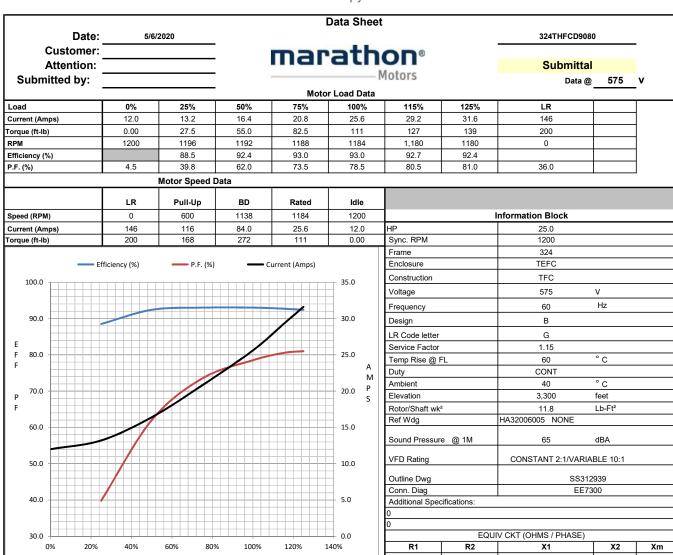


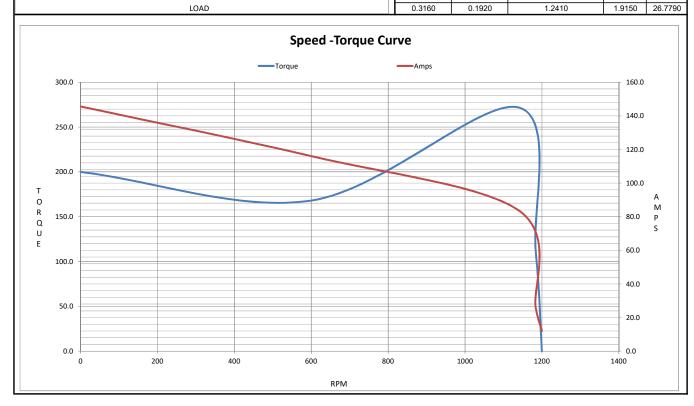
DATA VOLTS: 575

CERTIFICATION DATA SHEET

REFERENCE MODEL #: 324THFCD9080

		REFERENCE MODEL #: 324THFCD9080												
		EE7300 CAT #: W563A SS312939						563A		-				
VINDING:		НА	32006005	NONE	3				MOUNTING:	F1/F2 CAPABI	E			
				1	TY	PICAL I	MOTOR PERFORMA	NCE D	ATA					
HP	ĸw	SYNC	RPM	FL RPM		FRAME		ENCLOSURE		TYPE KVA C		DE	DESIG	
25	18.7	12	00	1184			324T	TEFC		TFC	G		В	
PH	HZ	VOL	те	AMF	ne .	1	START TYPE		DUTY	INSL	S.F.	AMB (° C)	ELEV (
3	60		575 25.6		LINE OR INVERTER		CONT		Н	1.15	40	3300		
	F.L. EFF	93.0		3/4 LD EFF			1/2 LD EFF							
	F.L. PF	78.5		3/4 LD PF	73.5		1/2 LD PF	62.0	92.4		SQ CAGE INV	RATED		
F.L. TO			LR AMPS				. TORQUE		B.D. TORQ		F.L. RISE	(° C)		
111 I	LB-FT		146		200	LB-FT	180%	272	LB-FT	245%	60			
SOUND PE	RESSURE	SOL	JND	ROTOR	WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
65 (dBA	74	dBA	11.8	LB-FT ²	375	LB-FT ²	20	SEC.		2	601	LB.	
				•		*** SUP	PLEMENTAL INFORMA	TION ***	,					
DE BRACKET TYPE		ODE BR				OTOR NTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER	ORIP COVER SCREENS		PAINT	
STANI	DARD	STANI	DARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVIS	ION 2 T2B	NO	NONE	BLUE (EPOXY)		
BEAR		GRE	ASE	SHAFT	TYPE		SPECIAL DE	SPEC	CIAL ODE	SHAFT	MATERIAL	FRAME N	MATERIAL	
DE BALL	ODE BALL	POLYR		T			NONE		IONE	1045 HOT ROLLED (C-204)		CAST IRON		
6312	6212													
THERMO	OSTATS	PROTE	CTORS	WDG R	TD's		BRG RTD's	THERMISTORS		CONTROL		SPACE HEATERS		
NO	NE			1E		NONE	NONE		FALSE		NA			
R1 (ohms/ph) R2 (ohms/ph)		X1 (ohm	ms/ph) X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)							
		1.9390		. , . , . ,		41.8421875		0.080						
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 BRAKE:	NONE		NONE	PPR	
PREPA	ARED BY: DATE:	5/13/2	2020							ONE	NONE	≣		
	31 REV_4 o change w	2/27/06 ithout notice	e.						VOLTAGE:	No	ONE		н	







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: 324THFCD9080

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

Catalog No: W563A

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