# PRODUCT INFORMATION PACKET



Model No: 324THFCD9026 Catalog No: W573A

XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 324T Frame, TEFC



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E



Product Information Packet: Model No: 324THFCD9026, Catalog No:W573A XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 324T Frame, TEFC



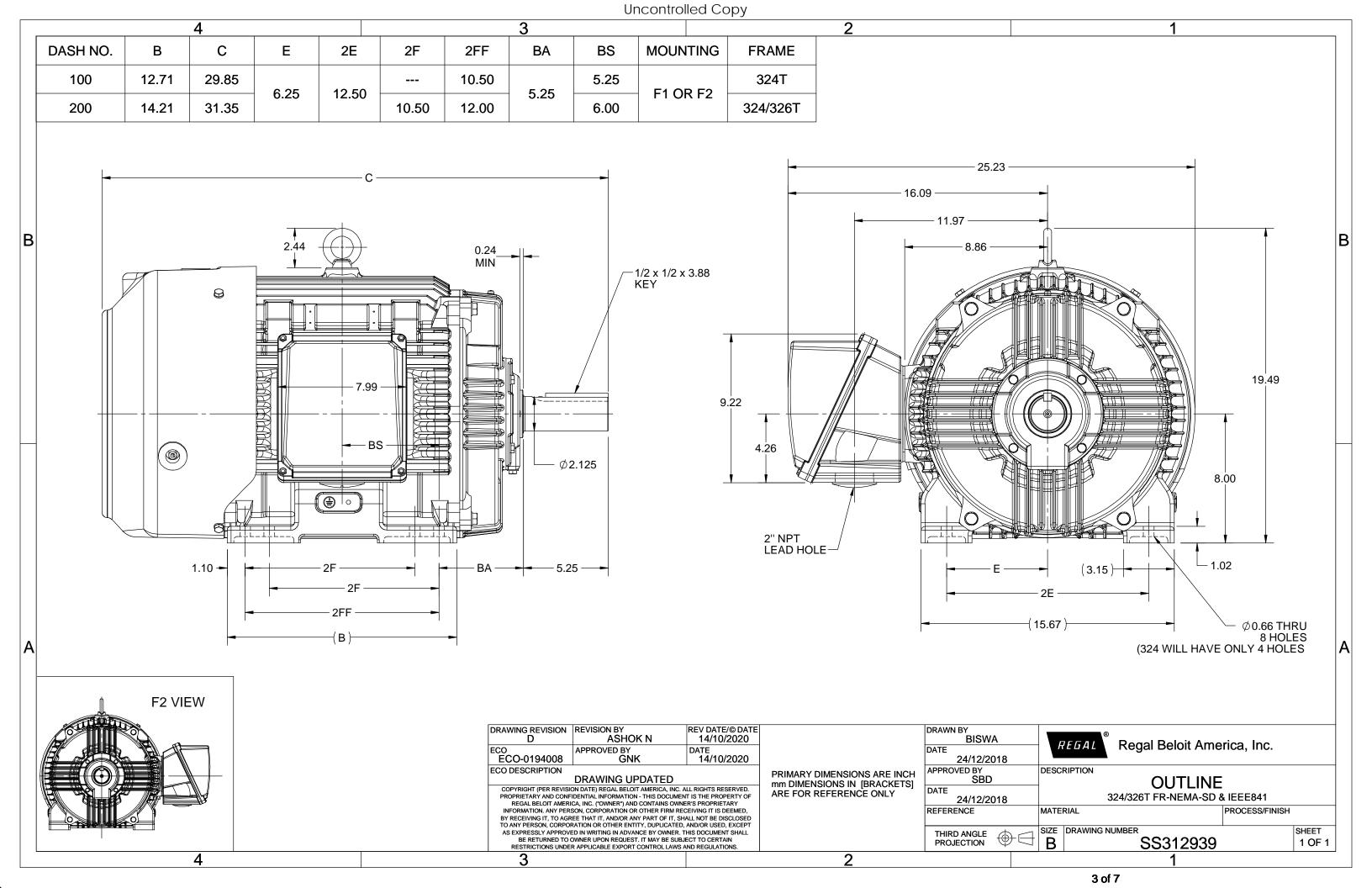
## Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW			
Frequency	60 Hz	Voltage	460 V			
Current	47.5 A	Speed	1782 rpm			
Service Factor	1.15	Phase	3			
Efficiency	94.1 %	Power Factor	84			
Duty	Continuous	Insulation Class	н			
Design Code	В	KVA Code	G			
Frame	324T	Enclosure	Totally Enclosed Fan Cooled			
Thermal Protection	No Protection	Ambient Temperature	40 °C			
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212			
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	4	Rotation	Reversible			
Resistance Main	.18 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			
Connection Drawing	EE7300	Outline Drawing	SS312939-100			

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/29/2022





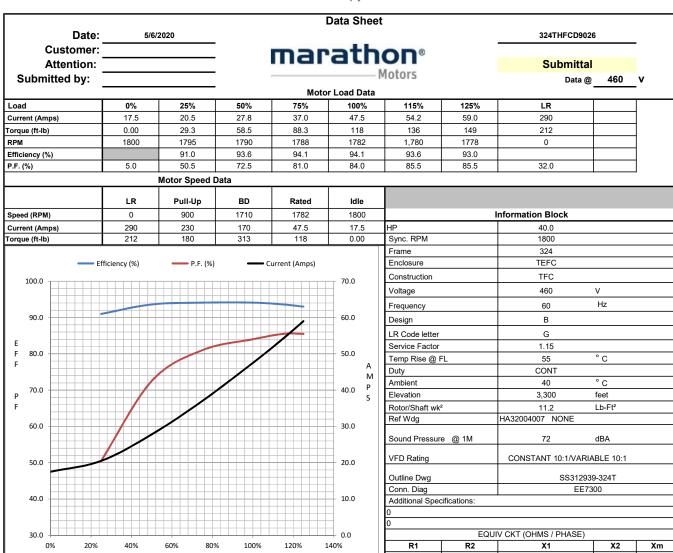


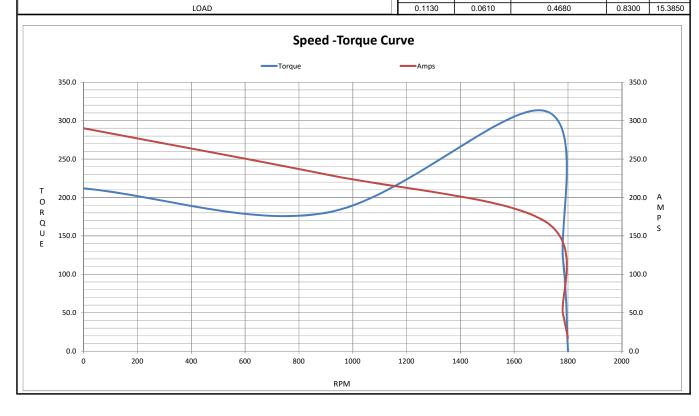
DATA VOLTS: 460

#### **CERTIFICATION DATA SHEET**

					C	LICITION DATA	JIILL	- '				
								MODEL #:		9026		
CONN. DI		EE7300						CAT#:	W573A			
OUTLINE		SS312939-324T HA32004007	NONE	5				MOUNTING:	E4/E2 CAE	ADLE		
WINDING		HA32004007	NONE	5				WOUNTING:	F I/FZ CAP	ADLE		
				-	TYPIC/	L MOTOR PERFOR	MANCI	E DATA				
НР	KW	SYNC RPM	FL R	L RPM		FRAME		ENCLOSURE		TYPE KVA COD		DESIGN
40	30	1800	178	1782		324T	TEFC		TFC	G	G	
PH	HZ	VOLTS	AMI	PS		START TYPE	DUTY		INSL	S.F.	AMB (° C)	ELEV. (Ft)
3	60	460	47.	.5		LINE OR INVERTER	(	CONT	Н	1.15	40	3300
<b></b>	F.L. EFF	94.1	3/4 LD EFF			1/2 LD EFF	93.6	GTD EFF			T. TYPE	
-	F.L. PF	84.0	3/4 LD PF	81.0		1/2 LD PF	72.5	93.6		SQ CAGE	INV RATED	
FIT	ORQUE	IRAMP	S@ 460 V		- 11	R. TORQUE		B.D. TORQUI	= 1	F.L. RISE (	° C)	
118	LB-FT		90	212	LB-FT	180%	313	LB-FT	265%	55	T	
	PRESSURE	SOUND	ROTOR			MAX. LOAD WK <sup>2</sup>		TALL TIME	ST	ARTS/HOUR	APROX.	MOTOR
72	dBA	81 <b>dBA</b>	11.2	LB-FT <sup>2</sup>	275	LB-FT <sup>2</sup>	20	SEC.		2	687	LB.
			•		***	NUDDI EMENTAL INCOD		.1 +++				
<b>-</b>		ODE BRACK	T MOUNT	МО	TOR	SUPPLEMENTAL INFOR		ARDOUS	DRIP			
DE BRAG	CKET TYPE	TYPE			ORIENTATION SEVERE DUTY		LOCATION		COVER	SCREENS	PAINT	
STAI	NDARD	STANDARD	RIGID	HORIZ	ONTAL	PREMIUM SEVERE DUTY	DIVIS	ION 2 T2B	NO	NONE	BLU	E (EPOXY)
ļ		1										
	RINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPE	CIAL ODE	SHAFT	MATERIAL	FRAM	E MATERIAL
DE BALL	ODE BALL											
6312	6212	POLYREX E	и   т	•		NONE	1	NONE	1045 HO	T ROLLED (C-204)	CA	AST IRON
0012	02.12											
											SPACE	HEATERS
THERM	MOSTATS	PROTECTOR	S WDG F	RTD's		BRG RTD's	THER	RMISTORS		CONTROL	SPACE	HEATERS
N	ONE	NOT	NOI	NE		NONE	1	NONE		FALSE		NA
D4 (-	l ( l- )	D0 (-1(-1	) <b>V4</b> (-1	t l \		V0 (- h (h-)	Y (	- l ( l- )	\/IDD	ATION (Internal)		
	hms/ph) .113	R2 (ohms/pi	n) X1 (ohr 0.4			X2 (ohms/ph) 0.83		ohms/ph) 5.385	VIBR	ATION (in/sec) 0.080		
<u> </u>	.110	0.001	0.44	00		0.00		0.000	l	0.000	1	
*								If Inverter equ	als NONE,	contact factory for fu	rther informati	ion
N					INVERTER TORQUE: CONSTANT 10:1/VARIABLE 10:1							
0							I	NV. HP SPEEI	RANGE:	NONE		
Т									NONE			
E								ENCODER:	NONE			
S *								NONE NONE			NONE	DDD
<u> </u>									NONE		NONE	FFK
PPE	PREPARED BY: ANUSHA M				BRAKE: NONE  NONE  NONE  NONE							
I - 1751	AILD DI.	/ 11 TOOI IA IVI						NOI		NONE		

| NONE |







# **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: 324THFCD9026

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

Catalog No: W573A

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:** 

J. Cler

Authorized Representative in the Community:

Michael A. Logsdon Vice President, Technology Julian Clark Marketing Engineer

Created on 09/01/2022

**C**€ 22