PRODUCT INFORMATION PACKET

Model No: 324THFCD19033 Catalog No: W574A XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 324T Frame, TEFC



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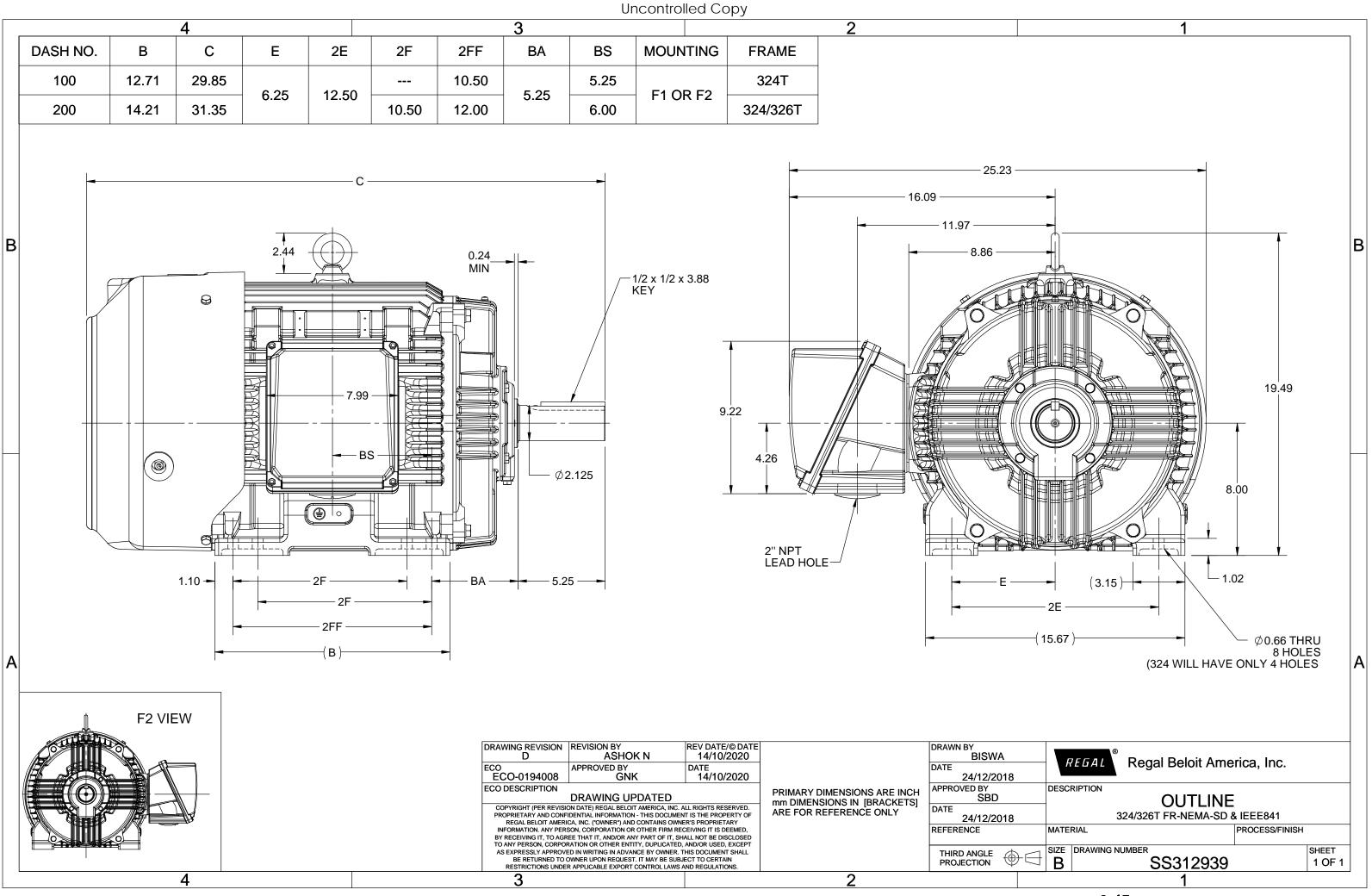
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW			
Frequency	60 Hz	Voltage	575 V			
Current	38.0 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	Y			
CE	Y	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		

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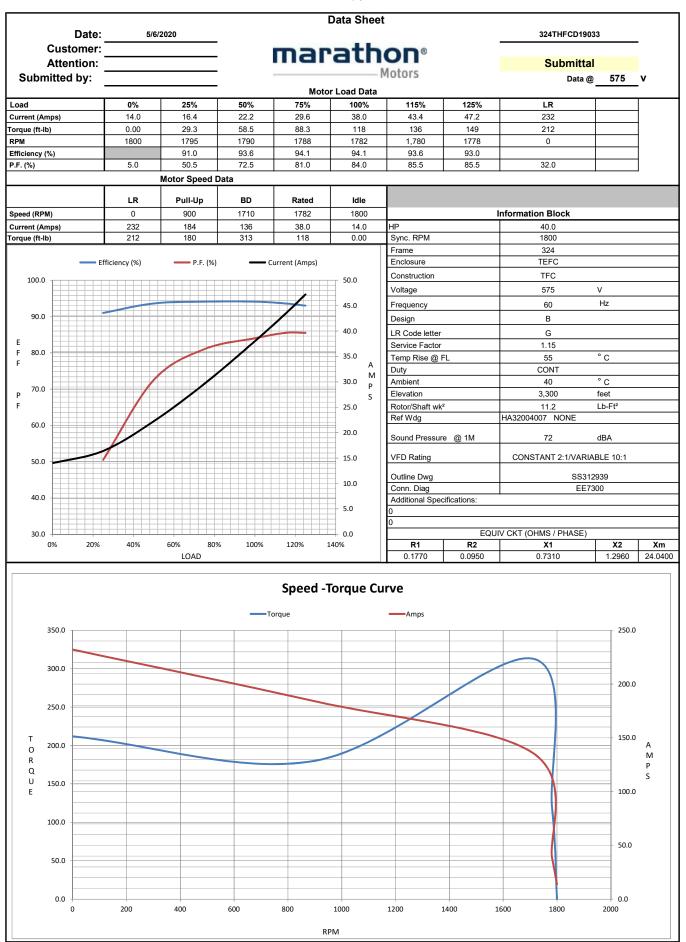
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					ma	га	thon® Motors				DATA VOLTS:	575		
						CER	TIFICATION DATA S	HEET						
CONN. DIAGRAM: EE7300 OUTLINE: SS312939 WINDING: HA32004007 NONE 3		REFERENCE MODEL #: 324THFCD19033 CAT #: W574A MOUNTING: F1/F2 CAPABLE												
	1011	0.044		51.05		PICAL	PICAL MOTOR PERFORMANCE DATA							
HP 40	KW 30		SYNC RPM FL RF 1800 1782			FRAME 324T		TEFC		TYPE TFC	G KVA CODE		B	
PH	HZ	VOLTS AMP		S	START TYPE		DUTY		INSL	S.F. AMB (° C) E		ELEV. (I		
3	60	5	75	38		l	INE OR INVERTER	C	ONT	Н	1.15	40	3300	
	F.L. EFF F.L. PF	94.1 84.0		3/4 LD EFF 3/4 LD PF	94.1 81.0		1/2 LD EFF 1/2 LD PF	93.6 72.5	GTD EFF 93.6		ELECT. T			
	F.L. PF	84.0		3/4 LD PF	81.0		1/2 LD PF	72.5	93.6		SQ CAGE INV	RATED		
F.L. TO	ORQUE	LR AMPS			L.R. TORQUE		B.D. TORQUE		UE F.L. RISE		(°C)			
118	LB-FT		232		212	LB-FT	180%	313	LB-FT	265%	55			
SOUND P	RESSURE	SO	JND	ROTOR	WK ²		MAX. LOAD WK ²	SAFE S	TALL TIME	START	S/HOUR	API	ROX.	
	dBA	81	dBA	11.2			LB-FT ²	20 SEC.			2 657		LB.	
						*** 0115								
			RACKET	MOUNT		TOR		HAZ	ARDOUS					
DE BRACKET TYPE STANDARD			DARD	TYPE RIGID		TATION ONTAL	SEVERE DUTY		ON 2 T2B	DRIP COVER			INT EPOXY)	
UTAN	IDAIND	UTAN	DAND	NOD	HORAZ		TREMION SEVERE DOTT	DIVIO		NO	NONE			
BEAF	RINGS ODE	GREASE		SHAFT TYPE			SPECIAL DE	SPECIAL ODE		SHAFT	AFT MATERIAL FRAM		IATERIAI	
BALL 6312	BALL 6212	POLYREX EM		т		NONE		NONE 1045 HOT		1045 HOT R	T ROLLED (C-204) C		ST IRON	
													ACE	
THERMOSTATS NONE			CTORS	WDG R		BRG RTD's NONE		THERMISTORS NONE		FALSE		HEATERS NA		
INC	JINE		51	NON	C		NONE	N	IONE	FA	LSE	r r	IA	
			ms/ph)	X1 (ohm				Xm (ohms/ph)		VIBRATION (in/sec)				
0.276	65625	0.148	34375	1.1421	875		2.025	37	.5625	0.	080			
* N O T								lf Inverter	INVERT	, contact factory TER TORQUE: PEED RANGE:	CONSTANT 2:1		10:1	
E S									ENCODER: NONE NONE	NONE		NONE	PPR	
									BRAKE:	NONE				
PREP	ARED BY: DATE:	5/13/	/2020						N FT-LB: VOLTAGE:		NON NA DNE	E	HZ	
		0/07/00							VOLTAGE:	NC			H4	
FORM: 35	31 REV 4	2/2//00												

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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: 324THFCD19033

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

Catalog No : W574A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer