PRODUCT INFORMATION PACKET



Model No: 324THFCD9040 Catalog No: W073-P

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



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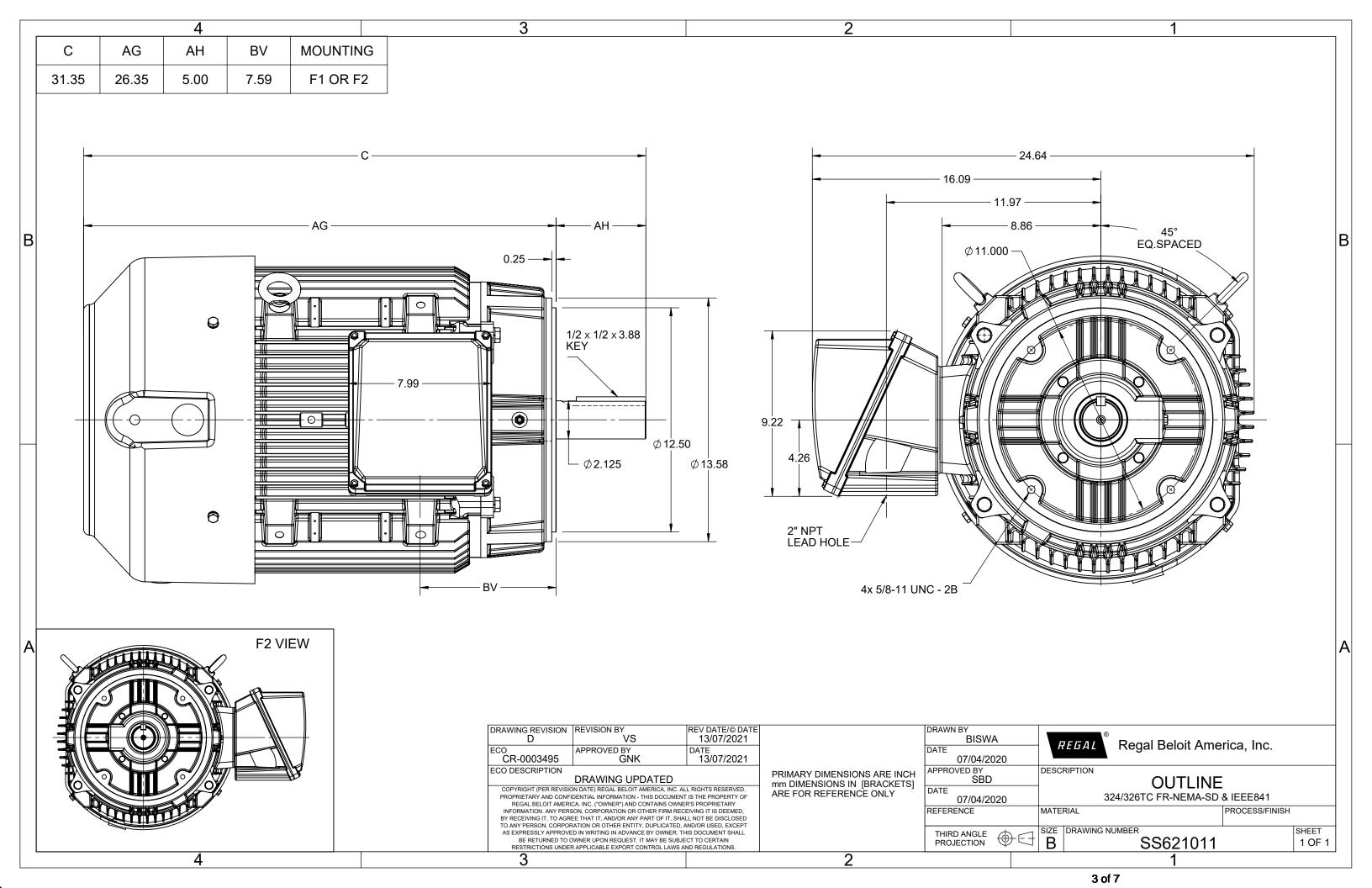
Nameplate Specifications

Phase	3	Output HP	40 Hp
Output KW	30.0 kW	Voltage	460 V
Speed	1782 rpm	Service Factor	1.15
Frame	324TCV	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	47.5 A	Power Factor	84
Duty	Continuous	Insulation Class	Н
Design Code	В	KVA Code	G
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212
UL	Recognized	CSA	Υ
CE	Υ	IP Code	56
Number of Speeds	1		

Technical Specifications

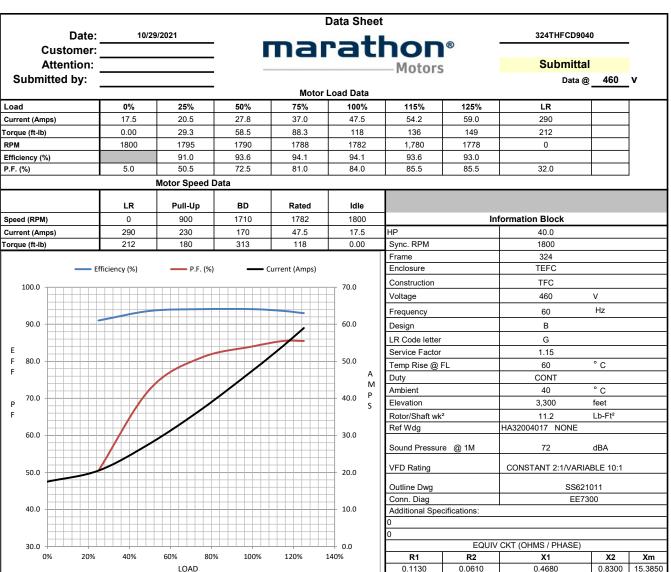
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.18 Ohms	Mounting	Round
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1
Outline Drawing	SS621011	Connection Drawing	EE7300

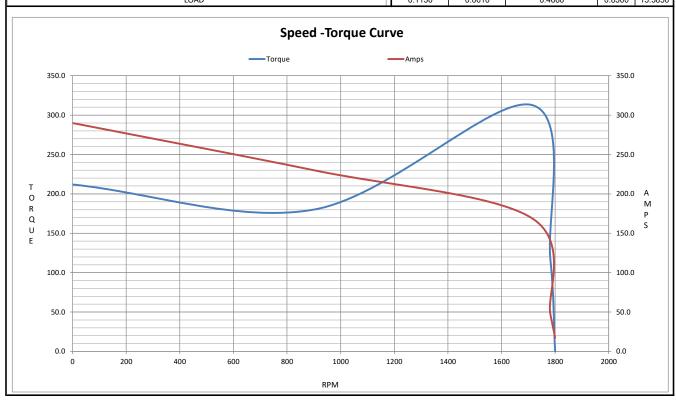
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72.72					P.O. BOX 8003								
					WAUSAU, WI 54401-8003								
marathon [®]									PH. 715-6	75-3311			
						1101010		DAT	A VOLTS:	460			
	CERTIFICATION DATA SHEET												
CUSTON	IED.						CUSTO	MER P.O. #:					
ORDER #							EFERENCE MODEL #: 324THFCD9040						
	IAGRAM:	EE7300					CAT #:					-	
OUTLINE:		SS621011					CUSTOM	IER PART #:					
WINDING	NDING: HA32004017 NONE 5						MOUNTING: F1/F2 CAPABLE						
SPEED:					VDIO 41	MOTOR REPEORMA	NOE D						
					YPICAL	MOTOR PERFORMA			1				
HP	KW	SYNC RPM	FL	RPM		FRAME	ENCI	OSURE	TYPE	KVA CODE		DESIGN	
40	30	1800	1	782		324TCV	TEFC		TFC	G		В	
PH	HZ	VOLTS		MPS		START TYPE		UTY	INSL	S.F.	AMB	ELEV.	
3	60	460	4	17.5		LINE OR INVERTER	С	ONT	Н	1.15	40	3300	
		Lacel			1								
-	F.L. EFF F.L. PF		3/4 LD EFF 3/4 LD PF	94.1 81.0		1/2 LD EFF 1/2 LD PF	93.6 72.5	93.6		ELECT. SQ CAGE IN			
	F.L. PF	84.0	3/4 LD PF	81.0		1/2 LD PF	72.5	93.6		SQ CAGE IN	IV RATED		
-	L. TORQUE	LR AMPS @	460 V		I P	TORQUE	B.D. TORQUE		JE F.L. RISE (° C)				
118	LB-FT	290	400 V	212	LB-FT	180%		LB-FT	265% 60				
SOUND	PRESSURE @ 3												
FT.		SOUND POWER ROTOR WK ² 81 dBA 11.2 LB-FT ²			MAX. LOAD WK ² 275 LB-FT ²		SAFE STALL TIME 20 SEC.		STARTS/HOUR 2		APROX. 650	MOTOR WGT	
72	dBA	OI UBA	` 11.2	LD-FI	2/5	LD-F1	20	SEC.			050	LB.	
					*** SU	PPLEMENTAL INFORMA	ATION ***						
DE D	RACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE MOTOR ORI		ORIENTATION SEVERE DUTY		HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT		
	C-FACE	STANDARD	ROUND	SHAFT D				ONE	YES	NONE BLUE - RAL 5003 (EPG			
	017102	0174107410	поопь	0.00.0	01111	T THE MICHIGAN OF THE BOTT	NONE		TEO NONE		DEGE	BLUE - RAL 3003 (EFOX1)	
Е	BEARINGS	GREASE	SHAF	FT TYPE SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL			
DE	ODE	ONEAGE	0.154	TITLE OF EGIAL DE									
BALL	BALL	POLYREX EM		T NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON			
6312	6212												
											SPA	CE HEATERS	
THERMOSTATS		PROTECTORS		RTD's	BRG RTD's		THERMISTORS		CONTROL		SFA		
	NONE	NOT NONE		ONE	NE NONE		NONE		FALSE		NA		
	1 (about a/ab)	D2 (ahma/ah)	V4.1-	h	1	V2 (ahma/ah)	V /	h((IDDATION (in/acc)		FLOAT	
R'	0.113	R2 (ohms/ph) 0.061		hms/ph) X2 (ohms/ph) 0.468 0.83		X2 (ohms/ph) 0.83		hms/ph) 5.385	VIBRATION (in/sec) 0.080		FLOAT ODE		
	0.113	0.061	U	.400		0.03	15	0.300		0.000		ODE	
*													
N							INVERTER TORQUE: CONSTANT 2:1/VARIABLE 10:1						
0						INV. HP SPEED RANGE: NONE							
т													
E							ENCODER: NONE						
S					NONE								
L *	*					NONE NONE PPR				PPR			
l						BRAKE:							
l	PREPARED BY: DATE: 10/29/2021					NONE NONE FT-LB: NA							
l	DATE: 10/29/2021					VOLTAGE: NONE HZ:							
FORM: 3531 REV 4 2/27/06				UL: V - LI,ME-INS,CONST UL REC									
. 01 1111. 0									,	-			







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: 324THFCD9040

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

Catalog No: W073-P

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. cers

Authorized Representative in the Community:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22