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



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: 324THFCD9040, Catalog No:W073-P XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 324TCV Frame, TEFC



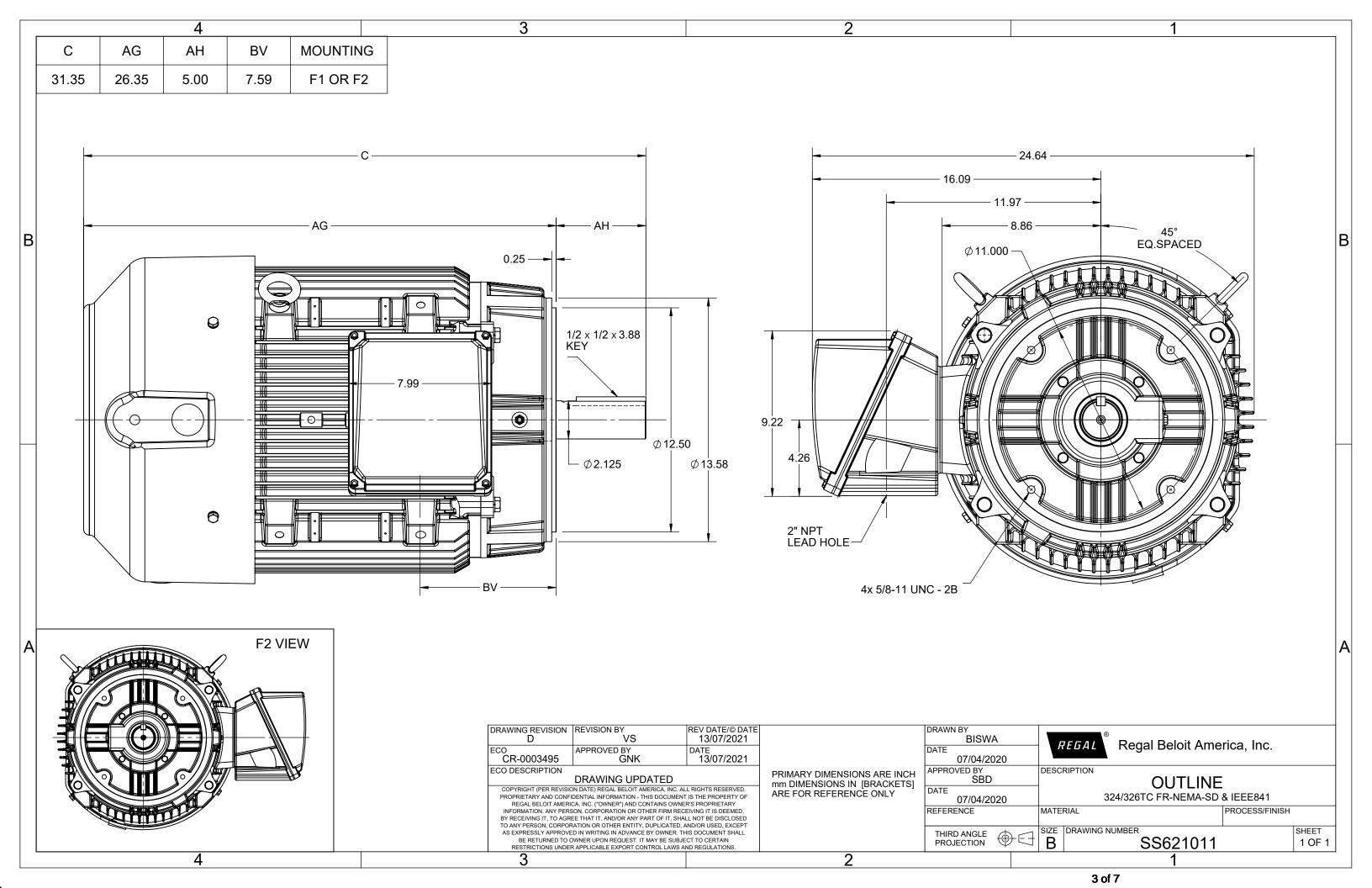
Nameplate Specifications

60 Hz	Voltage	460 V
47.5 A	Speed	1782 rpm
1.15	Phase	3
94.1 %	Power Factor	84
Continuous	Insulation Class	н
В	KVA Code	G
324TCV	Enclosure	Totally Enclosed Fan Cooled
No Protection	Ambient Temperature	40 °C
6312	Opp Drive End Bearing Size	6212
Recognized	CSA	Υ
Υ	IP Code	56
1		
	47.5 A 1.15 94.1 % Continuous B 324TCV No Protection 6312 Recognized	47.5 A Speed 1.15 Phase 94.1 % Power Factor Continuous Insulation Class B KVA Code 324TCV Enclosure No Protection Ambient Temperature 6312 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

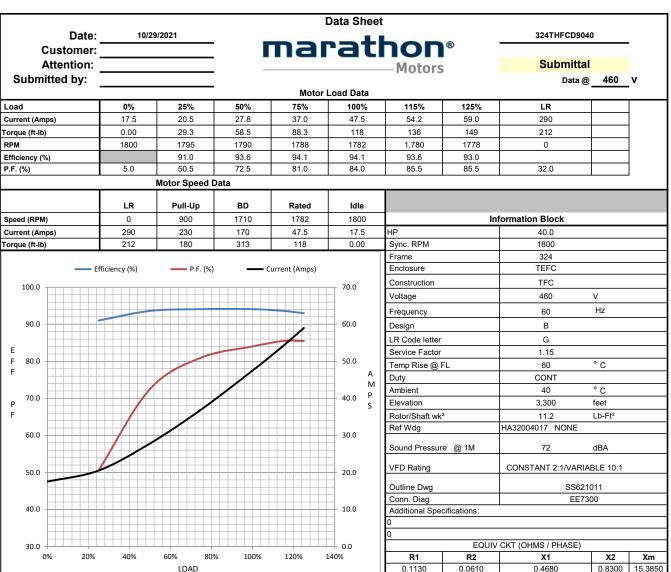
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	.18 Ohms	Mounting	Round			
Motor Orientation	Horizontal Or Shaft Down	Drive End Bearing	Ball			
Opp Drive End Bearing	Ball	Frame Material	Cast Iron			
Shaft Type	Т	Shaft Diameter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

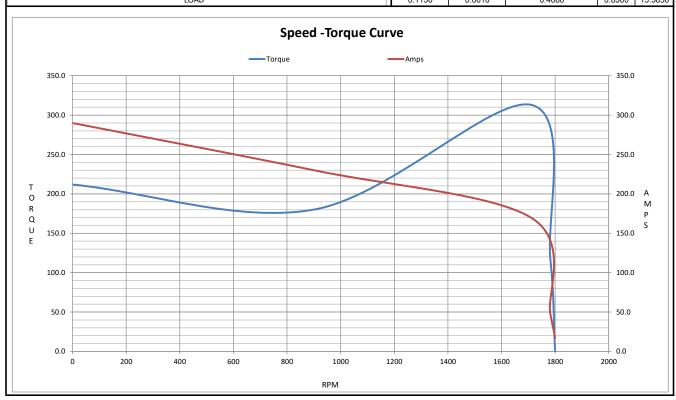
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:11/30/2022





					P.O. BOX 8003							
marathon•						WAUSAU, WI 54401-8003						
					11 °C				PH. 715-6	75-3311		
				_		Motors						
						1101010		DAT	A VOLTS:	460		
	CERTIFICATION DATA SHEET											
CUSTON	IED.						CUSTO	MER P.O. #:				
ORDER #				F				REFERENCE MODEL #:		09040		
	IAGRAM:	EE7300		-			CAT#:					-
OUTLINE:		SS621011					CUSTOMER PART #:		t			
WINDING	3 :	HA32004017	NONE	5				MOUNTING:	F1/F2 CAF	PABLE		
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	Т	EFC	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	
F.L. TORQUE LR AMPS @ 460 V		460 V	L.R. TORQUE			B.D. TORQU	F	F.L. RISE (° C)				
118	LB-FT	290	400 V	212	LB-FT	180%		LB-FT	265%	60		
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER 81 dBA		OR WK ²	MAX. LOAD WK ² 275 LB-FT ²		SAFE STALL TIME 20 SEC.		STARTS/HOUR 2		APROX. MOTOR WGT	
72	UDA	OI UBA	` 11.2	LB-FT ²	2/5	LD-F1	20	SEC.			050	LB.
					*** SU	PPLEMENTAL INFORMA	ATION ***					
DE D	RACKET TYPE	ODE BRACKET TYPE		MOUNT TYPE MOTOR ORIENTATION SEVERE D ROUND SHAFT DOWN PREMIUM SEVE		SEVEDE DUTY	HAZARDOUS LOCATION		DRIP COVER SCREENS		PAINT	
	C-FACE	STANDARD	ROUND					NONE		YES NONE		BLUE - RAL 5003 (EPOXY)
	017102	0174107410	поопь	0.00.0	01111	T THE MICHIGAN OF THE BOTT		OHE	120	110112	DEGE	1012 0000 (21 0/11)
Е	BEARINGS	GREASE	SHAF	T TYPE		SPECIAL DE	SPEC	IAL ODE	SHA	AFT MATERIAL	EB	AME MATERIAL
DE	ODE	ONEAGE	0.154				0. 201.2 052		OTAL I MATERIAL		TRANE MATERIAL	
BALL	BALL	POLYREX EM		Т	NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6312	6212											
											SPA	CE HEATERS
THE	ERMOSTATS	PROTECTORS		G RTD's BRG RTD's		THERMISTORS		CONTROL		SFA		
	NONE	NOT	N	NONE NONE		N	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			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		NONE	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. cerse

Authorized Representative in the Community:

Michael A. Logsdon

Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22