PRODUCT INFORMATION PACKET



Model No: 324TSHFCD9001 Catalog No: W571A

XRI®-841 Severe Duty Motor, 40 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 324TS Frame, TEFC



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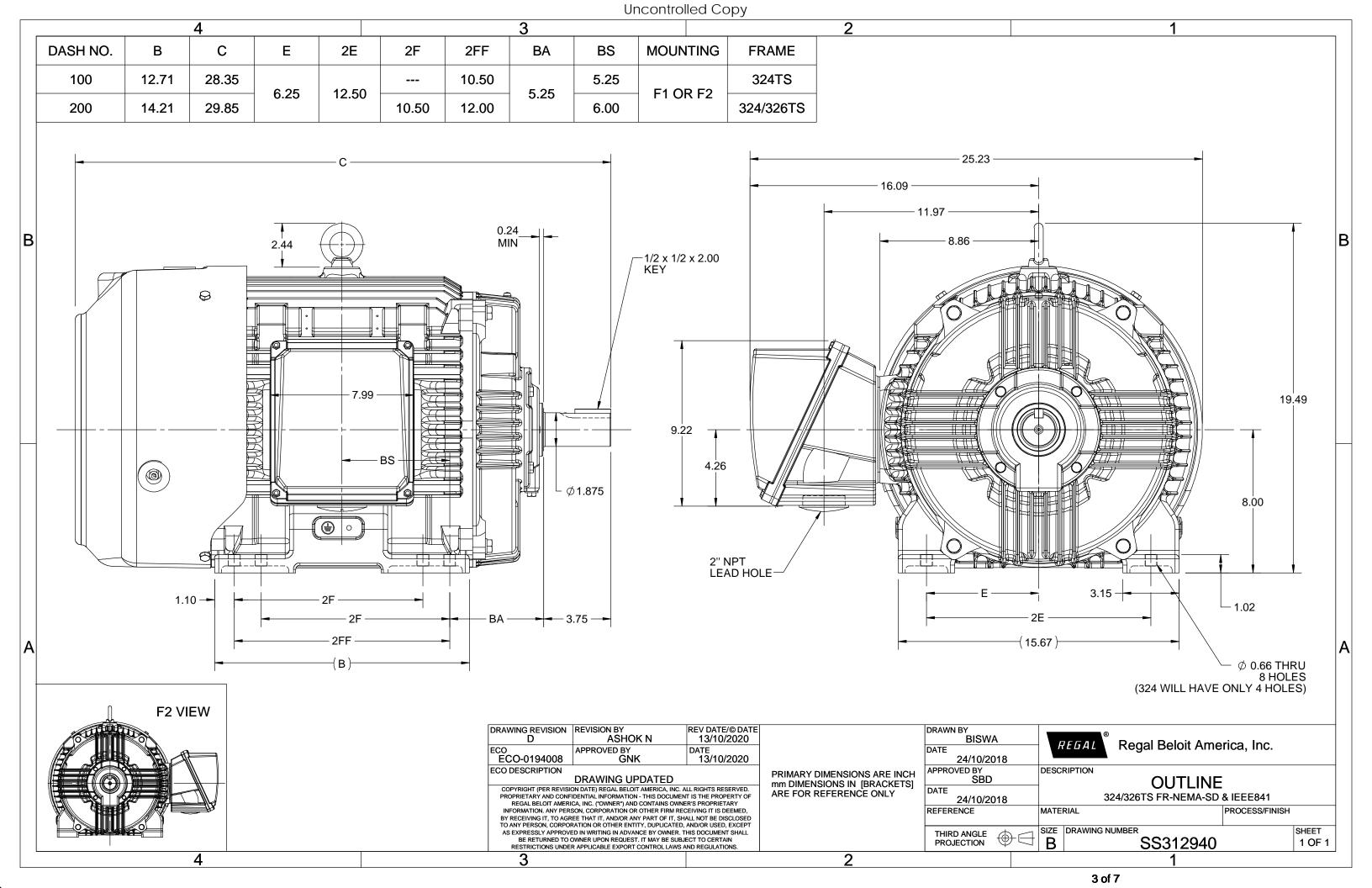
Nameplate Specifications

Output HP	40 Hp	Output KW	30.0 kW		
Frequency	60 Hz	Voltage	460 V		
Current	46.0 A	Speed	3565 rpm		
Service Factor	1.15	Phase	3		
Efficiency	92.4 %	Power Factor	88		
Duty	Continuous	Insulation Class	н		
Design Code	В	KVA Code	G		
Frame	324TS	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		

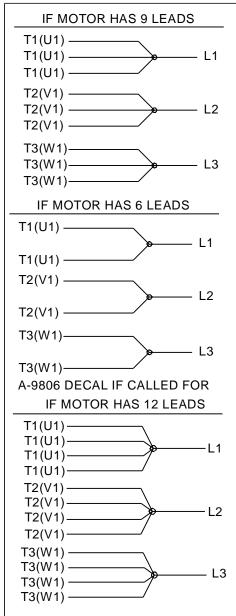
Technical Specifications

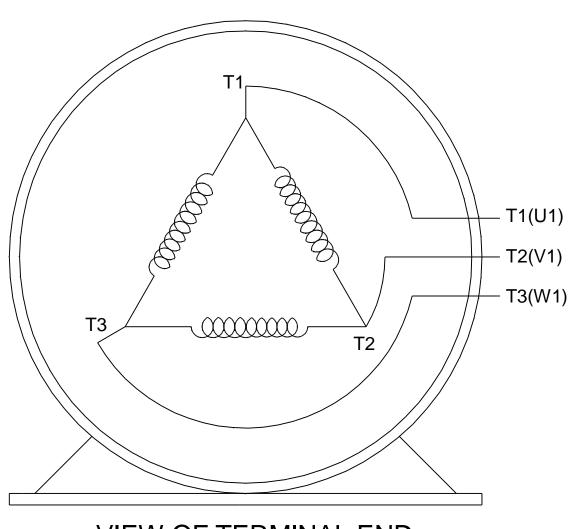
Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter		
Poles	2	Rotation	Reversible		
Resistance Main	.1736 Ohms	Mounting	Rigid Base		
Motor Orientation	Horizontal	Drive End Bearing	Ball		
Opp Drive End Bearing	Ball	Frame Material	Cast Iron		
Shaft Type	TS	Shaft Diameter	1.875 in		
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2:1/VARIABLE 10:1		
Connection Drawing	EE7300U	Outline Drawing	SS312940-100		

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VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	DATE
L	AJW	05-04-2015
ECO	APPROVED BY	DATE
ECO-0077067	EWH	05-05-2015
ECO DESCRIPTION		

UPDATED TO SOLIDWORKS

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IOLLINA	TINGES ON	ILLUU	
OTHER'	WISE SPE	CIFIED:	
DEC.	INCH	<u>mm</u>	<u>ANGLE</u>
.X	±0.1	[±2.5]	±7' 30"
.XX		[±0.51]	
XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOV	E BURRS	& BREAK S	HARP
EDGES:	.003/.015	[.076/.381]	X 45°
CORNE	R FILLETS	S: R.02 [.51]
MACHIN	IED SURF	ACES: 200	
		INCH ∨	mm 🗸
mm SHO	OWN IN [E	BRACKETS]	

TOLERANCES LINLESS

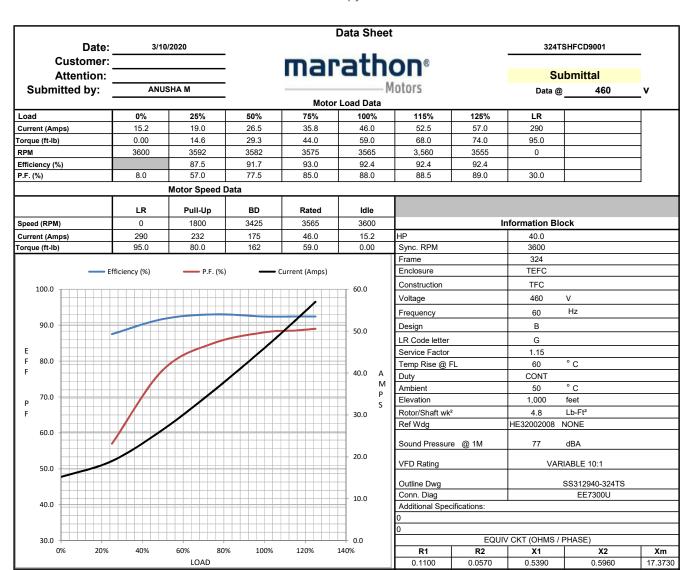
	DRAWN BY DRS DATE 09-27-1996		REGAL Regal Beloit Ame	rica, Inc.		
	APPROVED BY GK DATE 09-30-1996	CONN DIAGRAM-EXTERNAL 3Ø SINDLE VOLTAGE				
,	REFERENCE	MATE	RIAL	PROCESS/FINISH		
	THIRD ANGLE PROJECTION	SIZE	DRAWING NUMBER EE7300U		SHEET 1 OF 1	

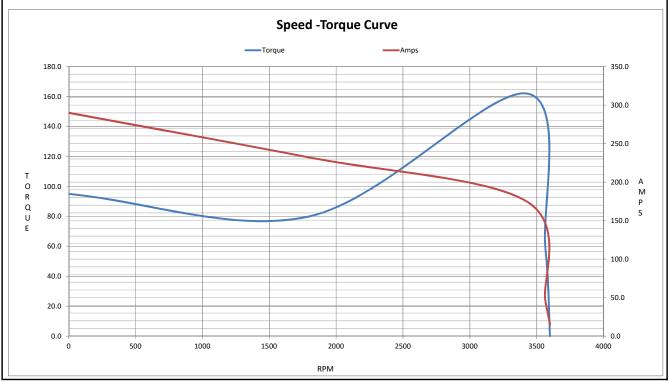


DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIA OUTLINE: WINDING:		EE7300U SS312940-324TS HE32002008	NONE	1				MODEL #: CAT #: MOUNTING:		W571A		_
				TY	PICAL	MOTOR PERFORMA	NCE DA	TΑ				
HP	кw	SYNC RPM	FL RI	PM		FRAME	ENCLOSURE		TYPE	KVA CODE		DESIGN
40	30	3600	356	5	324TS TEFC		TFC	TFC G		В		
				-								_
PH	HZ	VOLTS	AMP	es		START TYPE	D	UTY	INSL	S.F.	AMB (° C)	ELEV.(Ft)
3	60	460	46			LINE OR INVERTER	С	ONT	Н	1.15	40	3300
	F.L. EFF	92.4	3/4 LD EFF	93.0		1/2 LD EFF	91.7	GTD EFF		ELECT	. TYPE	
	F.L. PF	88.0	3/4 LD PF	85.0		1/2 LD PF	77.5	91.7		SQ CAGE	NV RATED	
F.L. 1	TORQUE	LR AMPS @	460 V		L.F	R. TORQUE		B.D. TORQUI	E	F.L. RISE	(° C)	
59.0	LB-FT	290		95.0 L	B-FT	161%	162	LB-FT	275%	60		
SOUND P	RESSURE @	SOUND	ROTOR	WK²		MAX. LOAD WK ²	SAFE S	TALL TIME	STA	RTS/HOUR	APROX.	MOTOR
77	dBA	86 dBA		LB-FT ²	25	LB-FT ²	20	SEC.		2	595	LB.
			•			PPLEMENTAL INFORMA						
DE BRAC	CKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTO ORIENTA		SEVERE DUTY	HAZARDOUS LOCATION		DRIP COVER	SCREENS	PAINT	
	NDARD	STANDARD	RIGID	HORIZO		PREMIUM SEVERE DUTY	DIVISION 2 T2B		NO	NONE	BLUE (EPOXY)	
DE BEA	ARINGS	GREASE	SHAFT	TYPE		SPECIAL DE	SPEC	IAL ODE	SHAFT	MATERIAL	FRAME	MATERIAL
BALL	BALL	POLYREX EM	TS			NONE	N	ONE	1045 HOT	ROLLED (C-204)	CAS	T IRON
6312	6212											
THED	PTATPON	PROTECTORS	WDG R	TD'e		BRG RTD's	THED	MISTORS		ONTROL	SPACE	HEATERS
THERMOSTATS NONE		NOT NONE			NONE		NONE Xm (ohms/ph)		FALSE			NA
	ohms/ph) 0.11	R2 (ohms/ph) 0.057	X1 (ohm 0.53			X2 (ohms/ph) 0.596		nms/pn) 7.373	VIBRA	0.080		
·	0.11	0.007	0.00			0.000			equals NO	NE, contact factory	for further inf	ormation
* N O T							II	INVERTER IV. HP SPEE		VARIABLE 10:1 NONE		
E								ENCODER:	NONE			
\$ *								NONE NONE			NONI	E PPR
PRE	EPARED BY: DATE:	ANUSHA M 3/10/2020						BRAKE: NOI FT-LB:	NE	NON NA		
	531 REV_4 to change with	2/27/06						VOLTAGE:		NONE		HZ:







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: 324TSHFCD9001

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

Catalog No: W571A

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:

Authorized Representative in the Community:

J. cerse

Michael A. Logsdon Vice President, Technology

Julian Clark Marketing Engineer

Created on 09/01/2022

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