PRODUCT INFORMATION PACKET



Model No: 326THFCD8028 Catalog No: Y572A

Blue Max® Inverter Duty Encoder Motor, 50 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 326T Frame, TEFC



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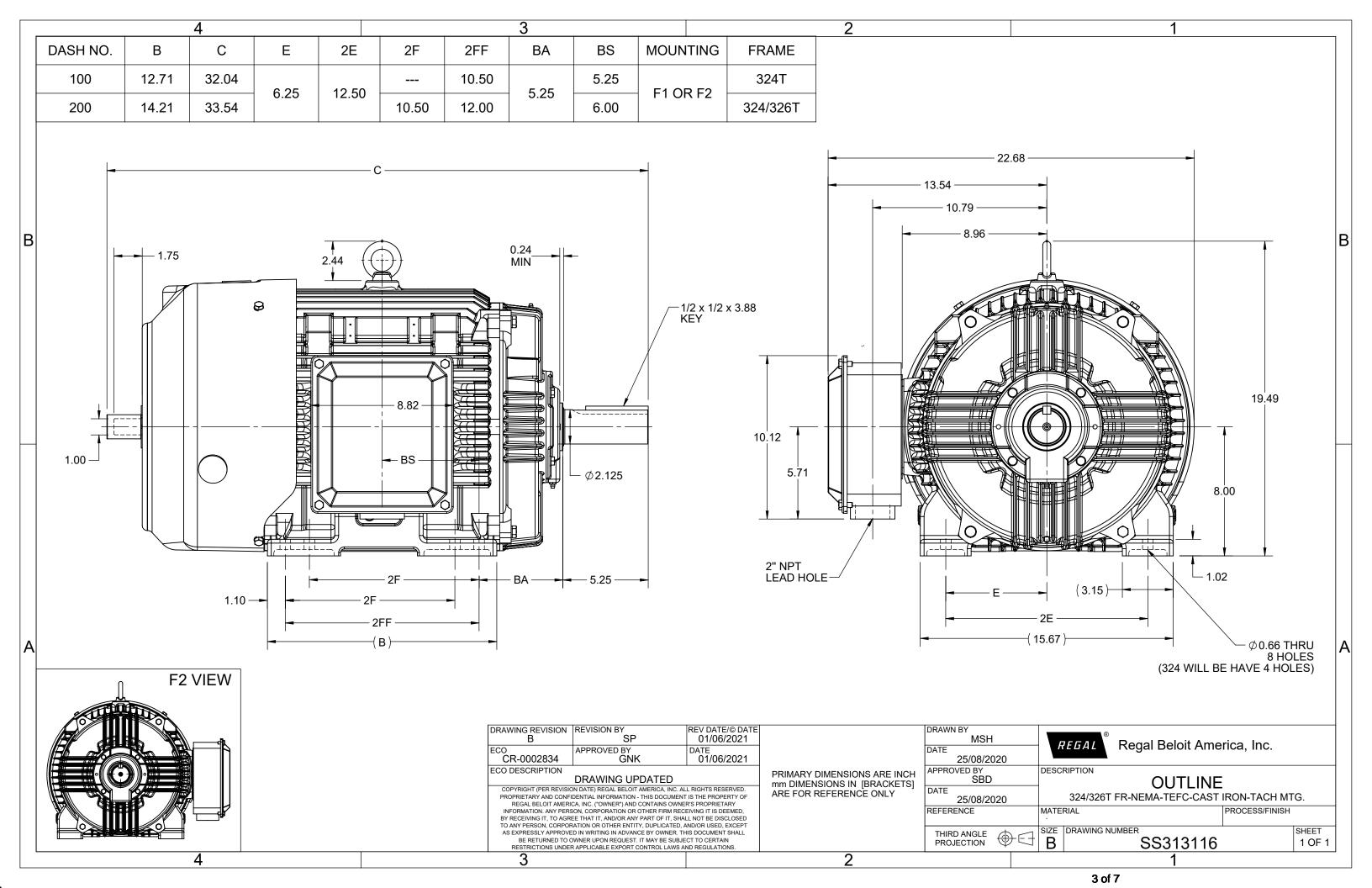
Nameplate Specifications

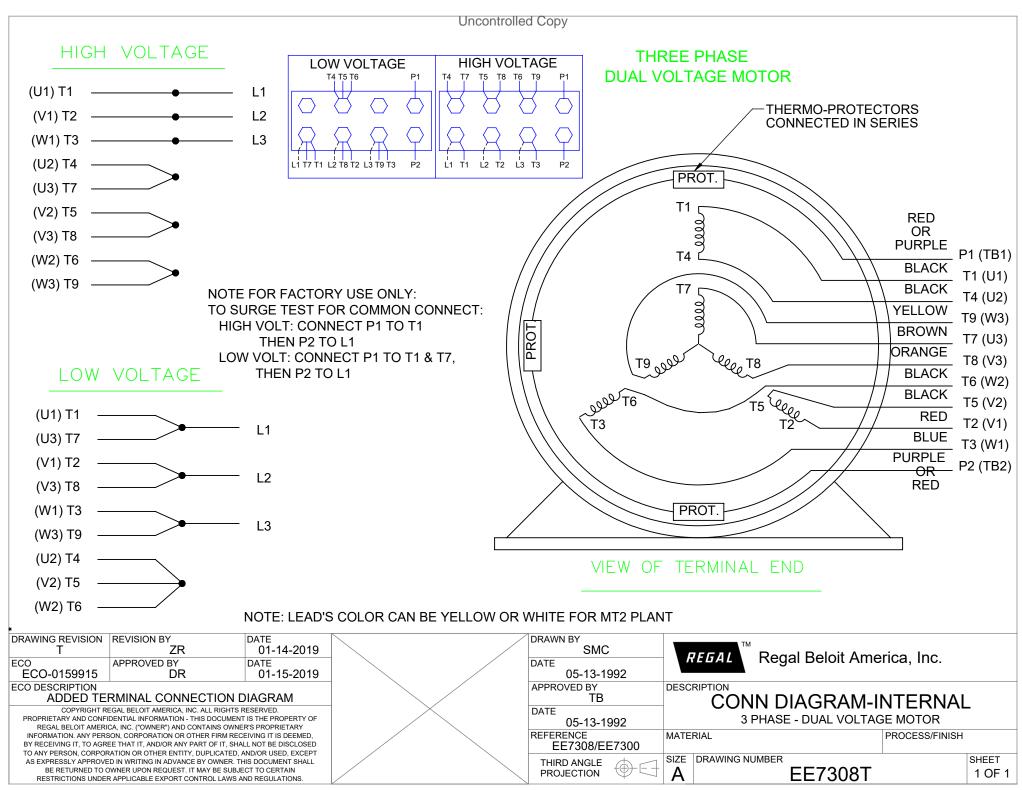
Phase	3	Output HP	50 Hp		
Output KW	37.0 kW	Voltage	230/460 V		
Speed	1778 rpm	Service Factor	1.0		
Frame	326T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	Thermostat	Efficiency	93 %		
Ambient Temperature	40 °C	Frequency	60 Hz		
Current	111.0/55.5 A	Power Factor	89.5		
Duty	Continuous	Insulation Class	н		
Design Code	INV	KVA Code	J		
Drive End Bearing Size	6312	Opp Drive End Bearing Size	6212		
UL	Recognized	CSA	Υ		
CE	Υ	IP Code	55		
Number of Speeds	1				

Technical Specifications

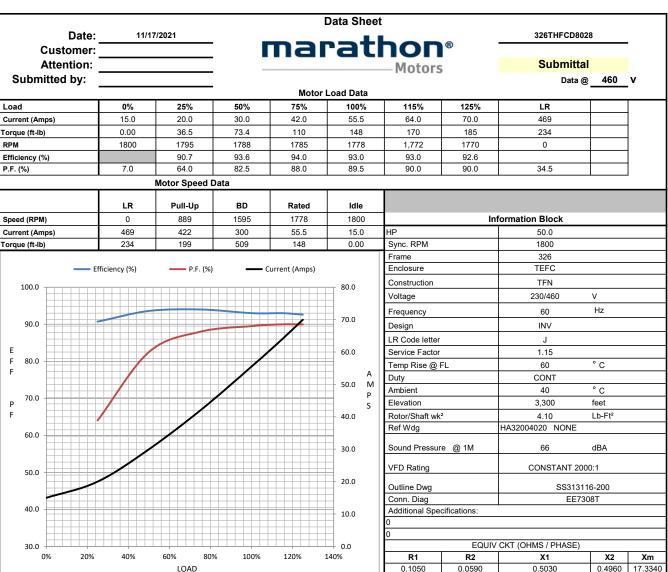
Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.1689 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	Т	Shaft Diameter	2.125 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 2000:1
Outline Drawing	SS313116-200	Connection Drawing	EE7308T

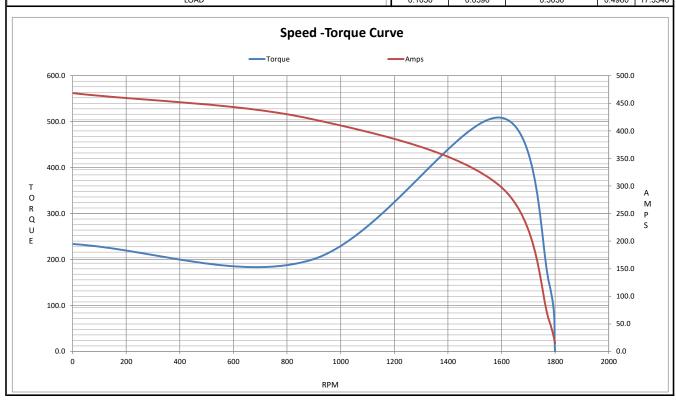
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									P.O. BOX			
					-	thone				WI 54401-8003		
				ma	11.9	athon®			PH. 715-6	75-3311		
						Motors						
						1-101013		DAT	A VOLTS:	460		
	CERTIFICATION DATA SHEET											
CUSTOM	CUSTOMER:						CUSTO	MER P.O. #:				
ORDER #						R		E MODEL #:	326THFCE	08028		
CONN. DIAGRAM:		EE7308T		-		CAT #:						
OUTLINE		SS313116-200						IER PART #:				
WINDING	:	HA32004020	NONE	2				MOUNTING:	F1/F2 CAP	ABLE		
SPEED:				TY	YPICAL	. MOTOR PERFORMA	NCE DA	ATA				
НР	кw	SYNC RPM	FL	RPM		FRAME	ENCI	OSURE	TYPE	KVA CODE		DESIGN
50	37	1800		778		326T	TEFC		TFN	.1		INV
30	J 5/	1000		770		3201	TEFC		1111	IFN J		1144
PH	HZ	VOLTS	A	MPS		START TYPE	D	UTY	INSL	S.F.	AMB	ELEV.
3	60	230/460		1/55.5		INVERTER ONLY		ONT	Н	1.15	40	3300
	•											
	F.L. EFF		3/4 LD EFF	94.0		1/2 LD EFF	93.6	GTD EFF		ELECT.		
	F.L. PF	89.5	3/4 LD PF	88.0		1/2 LD PF	82.5	92.4		SQ CAGE I	NV DUTY	
F	TORQUE	LR AMPS @	400.1/			TORQUE		B.D. TORQU	-	F.L. RISE (° C)		
	LB-FT	469	400 V	234 L	L.R. LB-FT	158%		LB-FT	344%	60	Т	
- 110		100		201		100%	000		01170			
SOUND	PRESSURE @ 3											
	FT.	SOUND POWER		OR WK²		MAX. LOAD WK ²		TALL TIME		STARTS/HOUR	APROX.	MOTOR WGT
66	dBA	75 dBA	4.10	LB-FT ²	60	LB-FT ²	21	SEC.		2	452	LB.
					*** SI	IPPLEMENTAL INFORMA	TION ***					
			MOUNT					RDOUS	DRIP			
	RACKET TYPE	ODE BRACKET TYPE	TYPE	MOTOR ORIEN		SEVERE DUTY		ATION	COVER	SCREENS		PAINT
S	TANDARD	ENCODER	RIGID	HORIZON*	TAL	NO	N	ONE	YES	NONE	В	LUE (ENAMEL)
<u> </u>	EARINGS					1					_	
DE	ODE	GREASE	SHAF	T TYPE		SPECIAL DE	SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL			_								
6312	6212	POLYREX EM		T		NONE	NONE 1045 HOT ROLLED (C-204) CAST IRO			CAST IRON		
											SPAC	E HEATERS
	THERMOSTATS PROTECTORS			DG RTD's BRG RTD's NONE NONE		THERMISTORS		CONTROL		-		
15	TATS (N/C)	NOT	N	UNE		NONE	N	ONE		FALSE		NA
R1	(ohms/ph)	R2 (ohms/ph)	X1 (o	hms/ph)		X2 (ohms/ph)	Xm (c	hms/ph)	V	IBRATION (in/sec)	Т	FLOAT
	0.105 0.059 0.503			0.496 17.334			0.150		ODE			
*												
N O							INVERTER TORQUE: CONSTANT 2000:1					
T O						INV. HP SPEED RANGE: 1.5 X BASE SPEED						
Ė								ENCODER:	NONE			
s						NONE NONE						
								NONE			NONE	PPR
								BRAKE:				
1	PREPARED BY:							NO	NE	NONE		
1	DATE:	11/17/2021						FT-LB:		NA		
FORM A	F24 DEV 4	2/27/06					101 -	VOLTAGE:	et OVERU	NONE EAT PRT DEV UL REC		HZ:
FORM: 3	531 REV_4	2/27/06					UL:	v-INS, CON	oi, UVERHI	EAT PRI DEV UL REC		







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: 326THFCD8028

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

Catalog No: Y572A

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:

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Authorized Representative in the Community:

J. cers

Julian Clark Marketing Engineer