PRODUCT INFORMATION PACKET



Model No: 284THTCD7026 Catalog No: Y553A

Black Max® Inverter Duty Encoder Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 284TC Frame, TENV



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies. ©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E





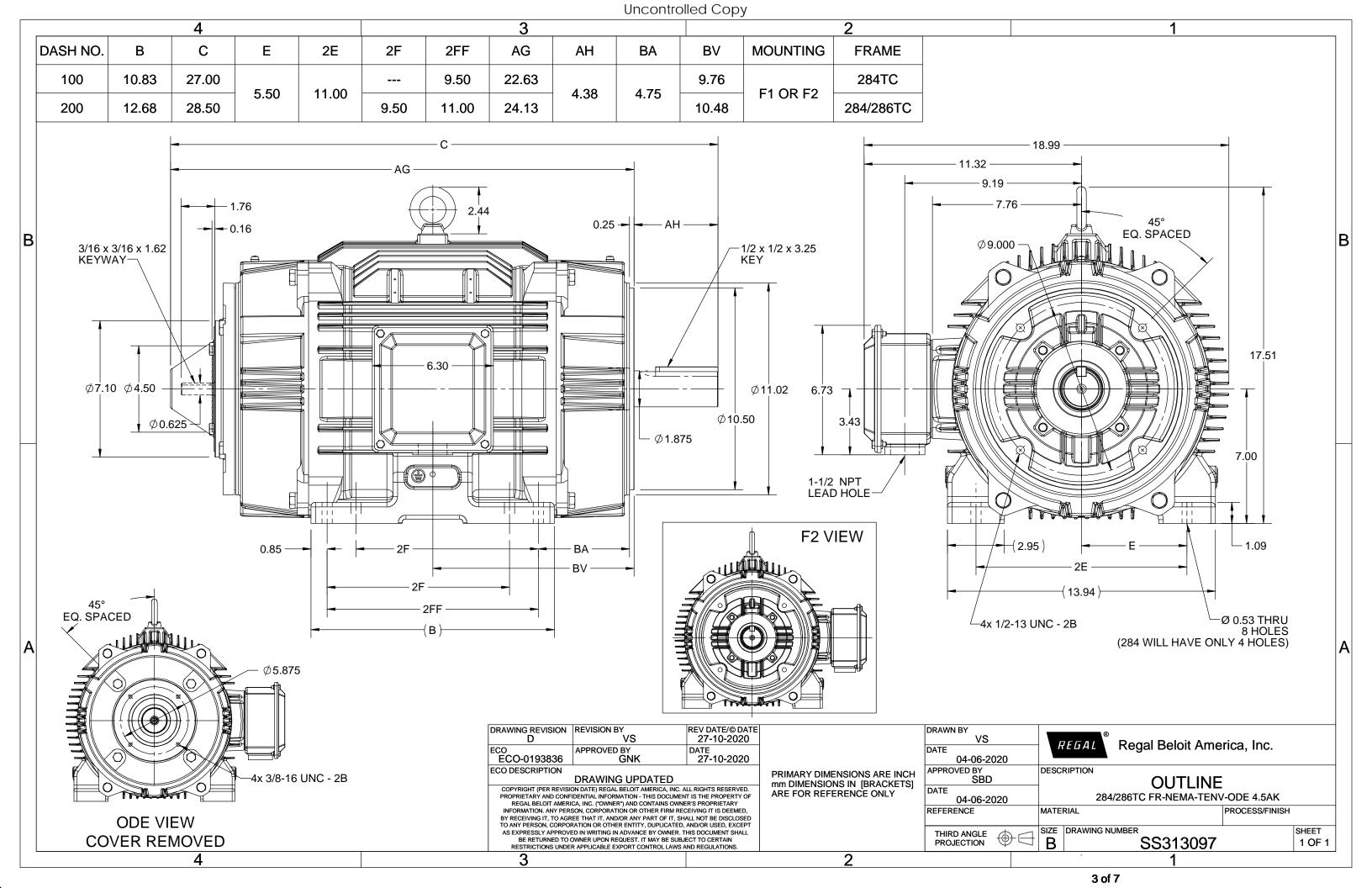
Nameplate Specifications

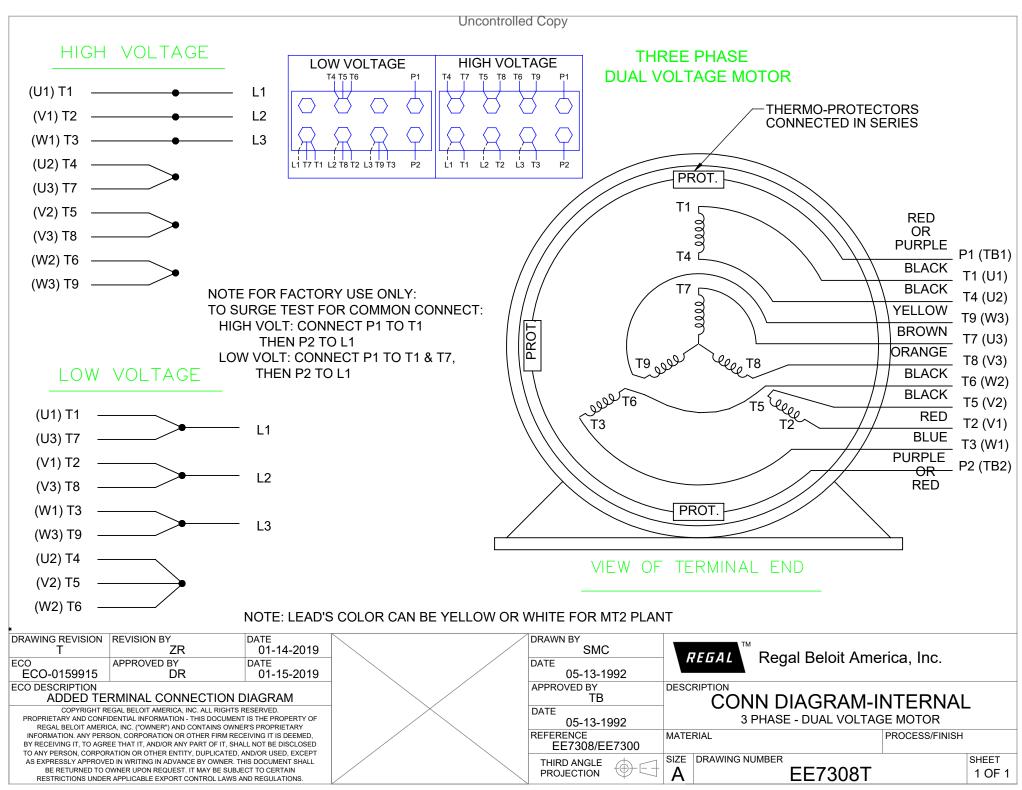
25 Hp	Output KW	18.7 kW
60 Hz	Voltage	230/460 V
59.0/29.5 A	Speed	1778 rpm
1	Phase	3
93.6 %	Power Factor	84.8
Continuous	Insulation Class	Н
INV	KVA Code	L
284TC	Enclosure	Totally Enclosed Non Ventilated
Thermostat	Ambient Temperature	40 °C
6311	Opp Drive End Bearing Size	6311
Recognized	CSA	Υ
Υ	IP Code	55
1		
	60 Hz 59.0/29.5 A 1 93.6 % Continuous INV 284TC Thermostat 6311 Recognized	59.0/29.5 A Speed 1 Phase 93.6 % Power Factor Continuous Insulation Class INV KVA Code 284TC Enclosure Thermostat Ambient Temperature 6311 Opp Drive End Bearing Size Recognized CSA

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.282 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	1.875 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 1000:1
Connection Drawing	EE7308T	Outline Drawing	SS313097-100

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:04/11/2023

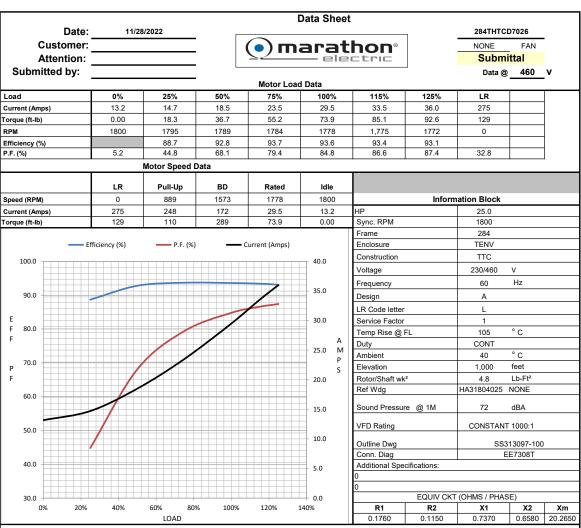


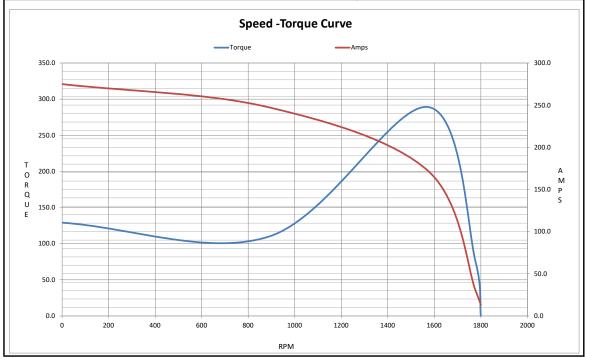




P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

				\		electi	ric		PH. 715-6	75-3311		
										DATA VOLTS:	460	
				CED	TIFICAT	TION DAT		-				
				CER	IIFICAI	TION DATA	4 SHEE	1				
	CUSTOMER:					MER P.O. #:				1		
ORDER #						F	REFERENC	E MODEL #:				_
		EE7308T						CAT #:	,	/553A		
OUTLINE		SS313097-100	NONE					MER PART #:	F4/F0 04F	ADI E		
WINDING SPEED:	1:	HA31804025	NONE	2			MOUNTING: F1/F2 CAPABLE FAN: 504205B					
SPEED.			TY	PICAL I	MOTOR	PERFOR	MANCE		304203B			
НР	KW	SYNC RPM	FLF	RPM	FI	RAME	ENC	LOSURE	TYPE	KVA CO	DDE	DESIGN
25	18.7	1800	17	78	284TC		TENV		TTC	L		INF
			•						•			•
PH	HZ	VOLTS	AM	PS	STA	RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.
3	60	230/460	59/2	9.5	INVER	TER ONLY	0	ONT	Н	1.15	40	3300
	F.L. EFF	93.6	3/4 LD EFF		1/2 LD EFF		92.8	GTD EFF	ELECT.			
-	F.L. PF	84.8	3/4 LD PF	79.4		1/2 LD PF	68.1	93.2		SQ CAGE IN	IV DUTY	
	ORQUE	LR AMPS @	460 \/	L.R. TORQUE		B.D. TORQUI		E F.L. RISE (° C)		(° C)		
73.9	LB-FT	275	400 V	129	LB-FT	175%	289	LB-FT	391%	105	(0)	
70.0		2,0		120		17070	200		00170	100		1
SOUND	PRESSURE	SOUND	ROTO	R WK²	MAX. I	LOAD WK ²	SAFE S	TALL TIME	STAF	RTS/HOUR	APF	ROX.
72	dBA	81 dBA	4.8	LB-FT ²	40	LB-FT ²	20	SEC.		2	0 LB.	
		1	',									
						ITAL INFOR					ı	
 	CKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	MOTOR		SEVERE DUTY	HAZARDOUS		DRIP COVER	SCREENS	PAINT	
	FACE	BRAKE OR ENCODE			ONTAL NO		NONE		NO	NONE	BLACK (ENAMEL)	
	INOL	PIVILE OIL ENGOBE	THOID	TIOTAL	ONTIAL	110		IONE	110	HOHE	BBTOTT	LIV WILL)
BEA	RINGS	GREASE	SHAFT	SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT		/ATEDIAL
DE	ODE	OKLAGE	JIIAI I		TPE SPECIAL DE		SPECIAL ODE		MATERIAL		FRAME MATERIAL	
BALL	BALL	POLYREX EM	I 1	-	NONE		NONE		1045 HOT ROLLED (C-204		CAST IRON	
6311	6311									(0 = 0		
			1		1				T			105
TUED	MOSTATS	PROTECTORS	WDG	מיחדם.	BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
	TS (N/C)	NOT	NO		NONE		NONE		FALSE		NA	
	(, , , ,											
R1 (ohms/ph)		R2 (ohms/ph)	X1 (ohi	ns/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
(.176	0.115	0.7	37	0.658		20.265		0.080		ODE	
*												
N						INVERTER TORQUE: CONSTANT 1000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED						
О Т						"	NV. HP SPEE	D RANGE:	Z.U A DASE SP	EED		
ΙĖ						FNCODED: NORTHSTAD						
s						ENCODER: NORTHSTAR ST56						
*							NONE NONE PPR					PPR
								BRAKE:	NONE			
PREPARED BY:				NONE NONE								
DATE: 11/28/2022				FT-LB: NA								
	504 DEV. 4							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: 284THTCD7026

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

Catalog No: Y553A

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:

Michael A. Logsdon Vice President, Technology

Created on 09/06/2022

Julian Clark Marketing Engineer

(€ 22