PRODUCT INFORMATION PACKET

Model No: 286THTCD7026 Catalog No: Y393A Black Max® Inverter Duty Encoder Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286TC Frame, TENV



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Motors

Product Information Packet: Model No: 286THTCD7026, Catalog No:Y393A Black Max® Inverter Duty Encoder Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286TC Frame, TENV

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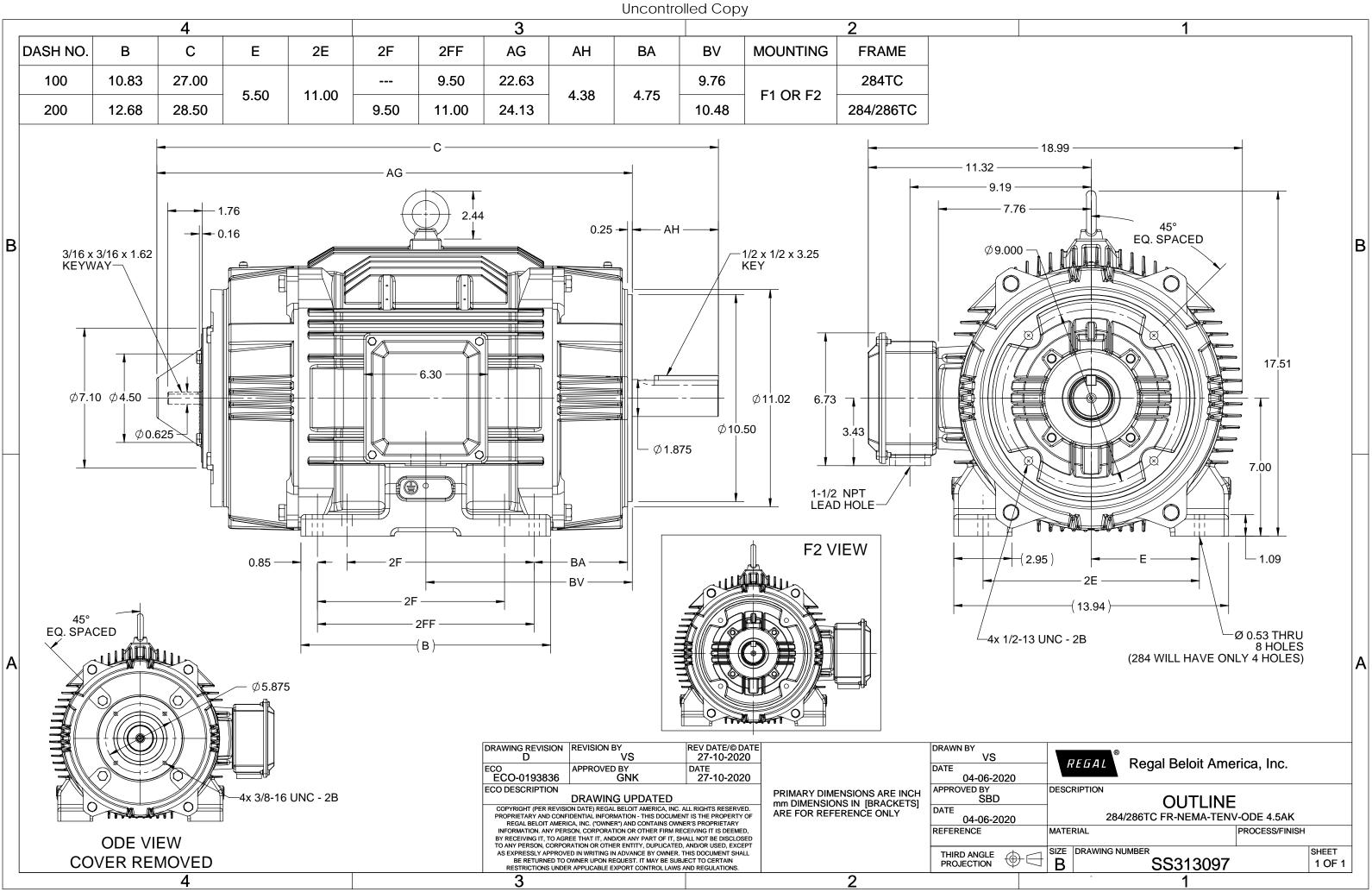
Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	230/460 V
Current	74.0/37.0 A	Speed	1780 rpm
Service Factor	1	Phase	3
Efficiency	93.8 %	Power Factor	80.5
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	к
Frame	286TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	55
Number of Speeds	1		

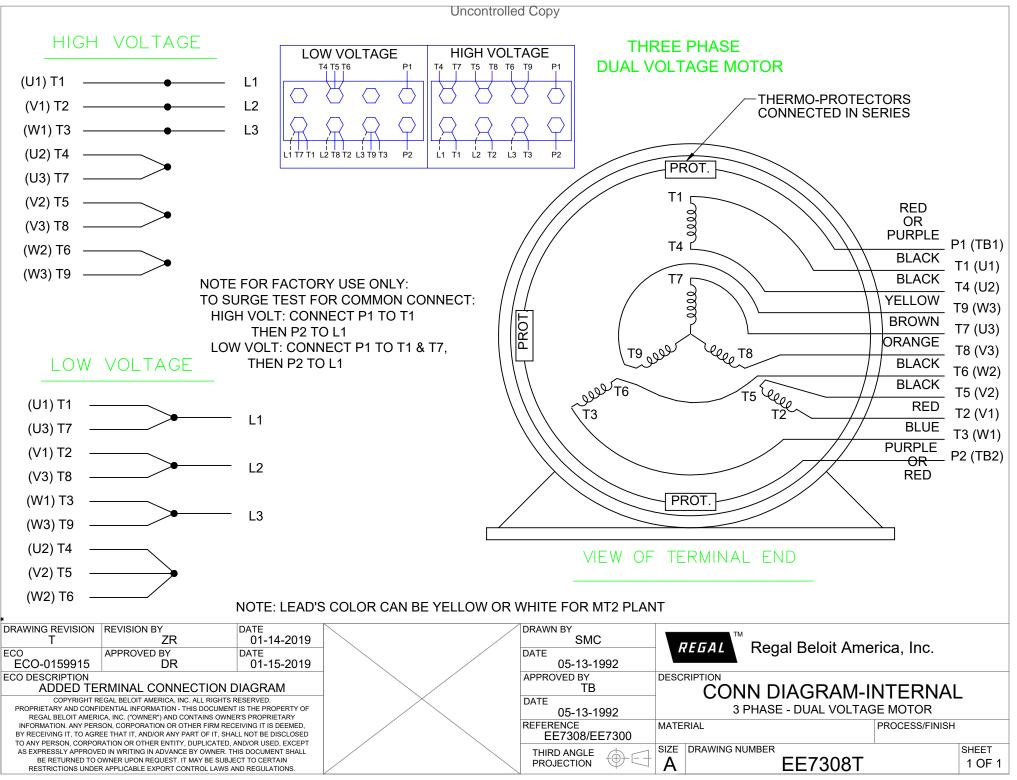
Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.193 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
Outline Drawing	SS313097-200	Connection Drawing	EE7308T

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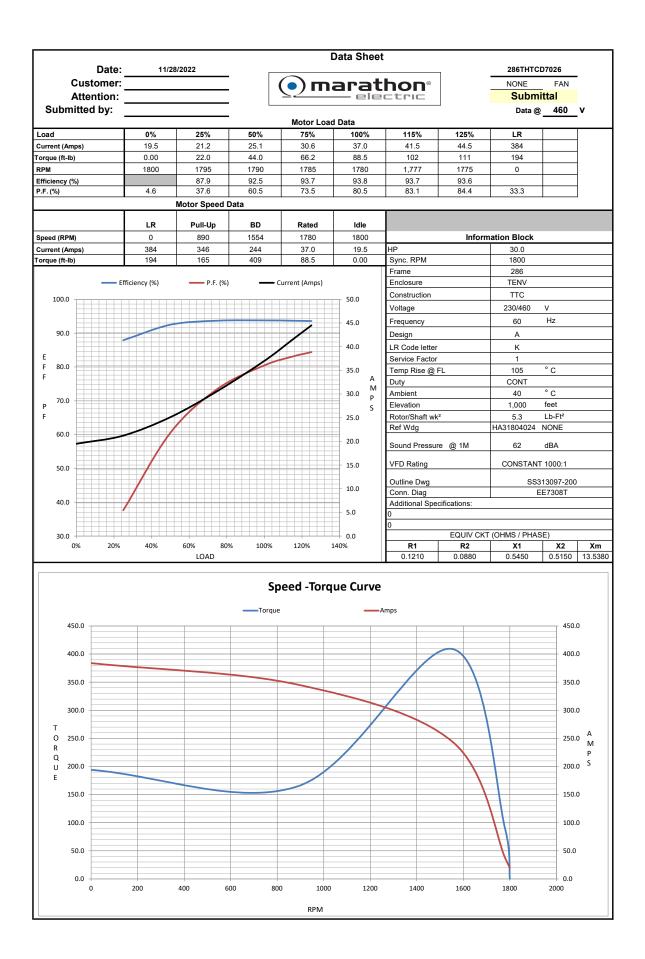


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					CER	TIFICAT		A SHEE	т				
CUSTOMER:			CUSTOMER P.O. #: REFERENCE MODEL #:										
CONN. DIAGRAM: OUTLINE: WINDING:		EE7308T SS313097-200 HA318) 304024	NONE	CUST				CAT #: Y393A CUSTOMER PART #: MOUNTING: F1/F2 CAPABLE				
SPEED:						NOTOR	PERFOR		FAN:	504205B			
HP	кw	SYNC RP	м	FL R	РМ	FR	AME	ENCLOSURE		TYPE	KVA CC	DE DESIGN	
30	22.4	1800		178	0	28		Т	ENV	TTC	К		INF
РН 3	HZ 60	VOLTS 230/460		AM 74/			T TYPE ER ONLY	DUTY CONT		INSL H	S.F. 1.15	AMB 40	ELEV. 3300
	F.L. EFF	93.8	:	3/4 LD EFF	93.7	1/2 LD EFF		92.5	92.5 GTD EFF		ELECT. 1		
	F.L. PF	80.5		3/4 LD PF	73.5		1/2 LD PF	60.5	93.5		SQ CAGE IN	V DUTY	
	ORQUE	LR AM	1PS@ 4	460 V		L.R. TORQ		B.D. TORQU			F.L. RISE (° C)		
88.5	LB-FT		384		194	LB-FT	219%	409	LB-FT	462%	105		
	RESSURE	SOUND		ROTOR	R WK ² LB-FT ²		OAD WK ² LB-FT ²		TALL TIME	STAR	TS/HOUR	APROX.	
62	dBA	71 dB	A	5.3	LD-FI	40		20	SEC.		2	0	LB.
	ODE		KET	MOUNT	*** SUPPLEMENTAL INFOR MOTOR SEVERE		RMATION *** HAZARDOUS		DRIP				
	ACE	TYPE BRAKE OR EN	CODE	TYPE RIGID		TATION	DUTY NO	-		COVER NO	SCREENS NONE	PAINT BLACK (ENAME	
	-	PRARE OR EN	CODEq	RIGID	HURIZ	ONTAL	NO	IN			NONE	BLACK	
BEARINGS DE ODE		GREAS	E	SHAFT	TYPE	SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL 6311	BALL 6311	POLYREX EM T		N	ONE	NONE		1045 HOT ROLLED (C-204		4 CAST IRON			
THERMOSTATS		PROTECTO	ORS	WDG F		BRG RTD's		THERMISTORS		CONTROL		SPACE HEATERS	
ISIAI	rs (N/C)	NOT		NOI	NE		ONE	N	IONE	F	ALSE	ſ	IA
R1 (ohms/ph) 0.121		R2 (ohms/ 0.088	(ph)	X1 (ohn 0.54		X2 (ohms/ph) 0.515		Xm (ohms/ph) 13.538		VIBRATION (in/sec) 0.080		FLOAT ODE	
* N O T								11			CONSTANT 10 2.0 X BASE SP		
E S	S						ENCODER: NONE NONE NONE NONE PPR					PPR	
PREPARED BY: DATE: 11/28/2022					BRAKE: NONE NONE NONE FT-LB: NA								
FORM: 35	531 REV_4	2/27/06						UL:	VOLTAGE: V-INS, CONS		NONE EAT PRT DEV U	IL REC	HZ:





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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: 286THTCD7026

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

Catalog No : Y393A

Rework No : N/A

Directives :

Low Voltage Directive 2014/35/EU

Harmonized Standards Used :

EN 60034-1: 2010 (IEC 60034-1: 2010) EN 60034-5: 2001/A1:2007 (IEC 60034-5: 2000/A1:2006)

Authorized Representative:

Michael A Logsdon

Michael A. Logsdon Vice President, Technology

Created on 09/06/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer