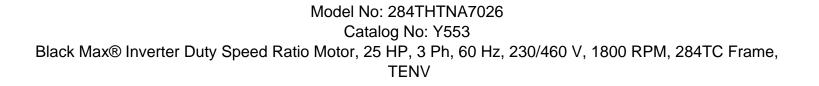
PRODUCT INFORMATION PACKET





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Product Information Packet: Model No: 284THTNA7026, Catalog No:Y553 Black Max® Inverter Duty Speed Ratio Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 284TC Frame, TENV

marathon®

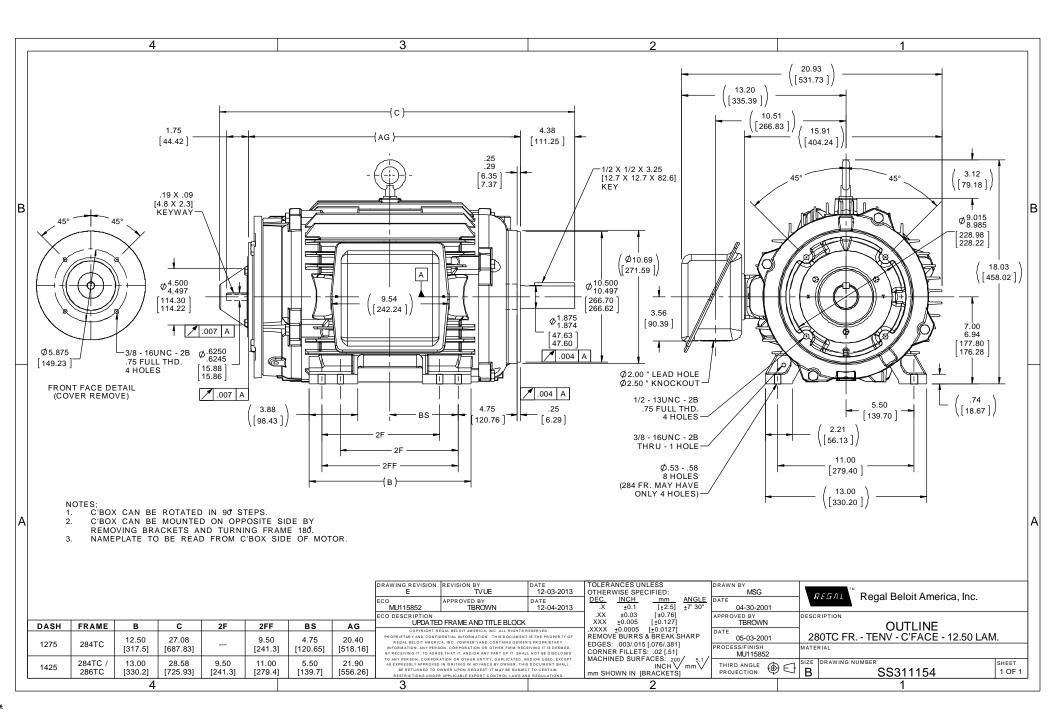
Nameplate Specifications

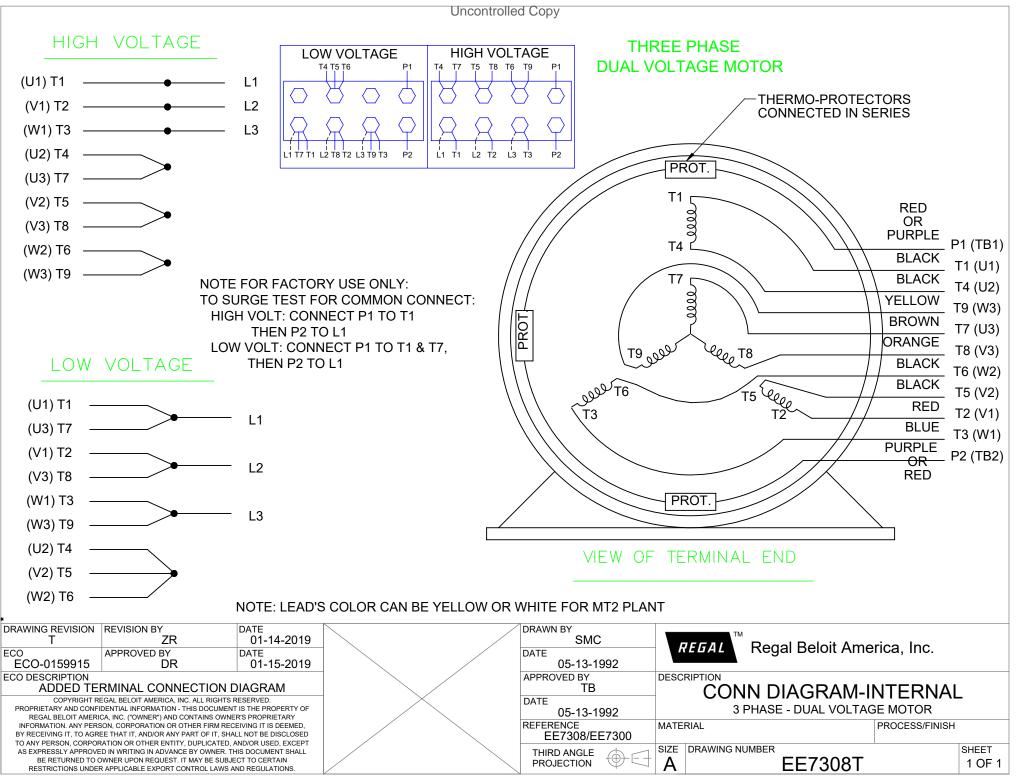
Output HP	25 Нр	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	62.0/31.0 A	Speed	1770 rpm
Service Factor	1	Phase	3
Efficiency	93.6 %	Power Factor	80
Duty	Continuous	Insulation Class	F
Design Code	INV	KVA Code	К
Frame	284TC	Enclosure	Totally Enclosed Non Ventilated
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6311
UL	Recognized	CSA	Y
CE	Y	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty Starting Method		Inverter Only
Poles	4	Rotation	Reversible
Resistance Main	.2 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	т	Overall Length	27.08 in
Frame Length	12.75 in	Shaft Diameter	1.875 in
Shaft Extension	4.37 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 1000:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS311154-1275

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CERTIFICATION DATA SHEET

Model#:	284THTNA7026 AA	WINDING#:	K2844139 R2 1
CONN. DIAGRAM:	A-EE7308T	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS311154-1275		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw		SYNC	C. RPM		F.L. RPM	FRAM	IF	ENC	CLOSU	2F	KVA CO	DE	DESIGN		
			01110.1														
25		18.7		18	800		1770	284T	С		TENV		K		NV		
РН	н	Iz	VOL	.TS	FL AMPS		FL AMPS START TYP		START TYPE			INSL	INSL			AMB°C	ELEVATION
3	6	0	230/-	460	62/3	1	INVERTER	CONTINU	JU	F3		1.0		40	3300		
							ONLY	S									
FULL LOAD E	FF: 93.0	6 3/4	4 LOAD EFF: 94.1 1/2 LO		1/2 LOA	LOAD EFF: 93 GTI		D. EFF ELEC. TY		LEC. TY	'PE	N	O LOAD AMPS				
FULL LOAD	PF: 80	3	4 LOA	D PF: 74	74 1/2 LOAD PF: 62		AD PF: 62	92.4 SQ CAGE		AGE IN			28 / 14				
F.L. TO	RQUE		LOCI	KED RO	ROTOR AMPS L.R. TO		ORQUE B.D. TORQUE		QUE		F.	L. RISE°C					
74.2 L	.B - FT			560/2	280		163 LB-FT		-FT 220 330 LB-F		0 LB-F1	3-FT 445			96		
[
SOUND PRESS @ 3 FT.	SURE	SOUN	D POWE	ER	ROTOR	8 WK^2	MAX.	WK^2	SAFE	STALL	TIME		TARTS HOUR	4	APPROX. MOTOR WGT		
												/	IUUK				
62 dBA		72	2 dBA		4.4 LB	-FT^2	- LB-	-T^2	- SEC.						379 LBS.		

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
0.1425	0.1596	0.7239	0.6783	13.965
RM	ZREF	XR	TD	TD0
1413.6	11.4	5.5	0.012	0.24

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIEN			'ERE JTY	HAZARD LOCAT		DRIP COVER	SCREENS	PAINT				
C-FACE	BRAKE OR ENCODER	RIGID	HORIZ	IZONTAL FALSE NONE		FALSE		NONE FALSE		NONE	BLACK (ENAMEL)				
BEARINGS		GREAS	GREASE SHAFT		TYPE	SPE	CIAL DE	SPE	CIAL ODE	SHAFT	FRAME				
DE	OPE									MATERIAL	MATERIAL				
BALL	BALL	POLYREX	K EM	т		NONE		NONE		NONE		NONE NONE		1045 HOT	CAST IRON
6311	6311									ROLLED (C-204)					

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs BRG RTD				
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

* N

O T E S

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 1000:1 INV. HP SPEED RANGE: 2.0 X BASE SPEED
 INV. THE SEED TRANGE. 2.0 X DASE SEED
ENCODER: PROVISIONS ONLY
NORTHSTAR ST56
NONE NONE PPR
BRAKE: PROVISIONS ONLY NONE STEARNS P/N NONE

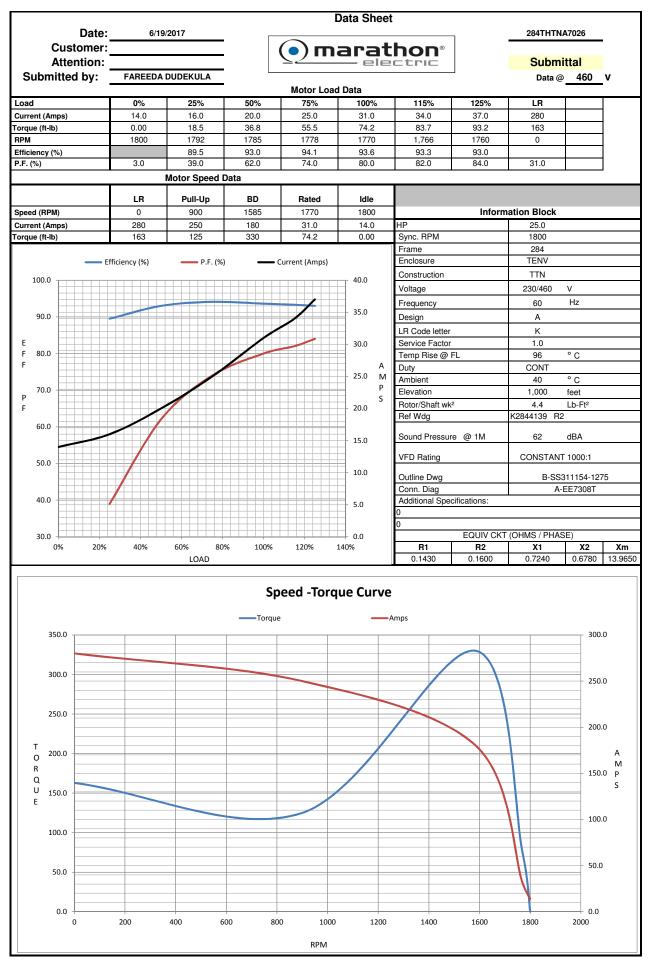
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56,000 NONE 10 FT-LB NONE V NONE Hz

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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: 284THTNA7026

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

Catalog No : Y553

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 09/01/2022

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Authorized Representative in the Community:

Julian Clark Marketing Engineer