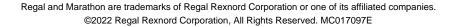
PRODUCT INFORMATION PACKET



Model No: 284THFPA8086
Catalog No: Y395
Blue Max® Inverter Duty Encoder Motor, 15 HP, 3 Ph, 60 Hz, 230/460 V, 1200 RPM, 284TC Frame, TEBC-AXIAL









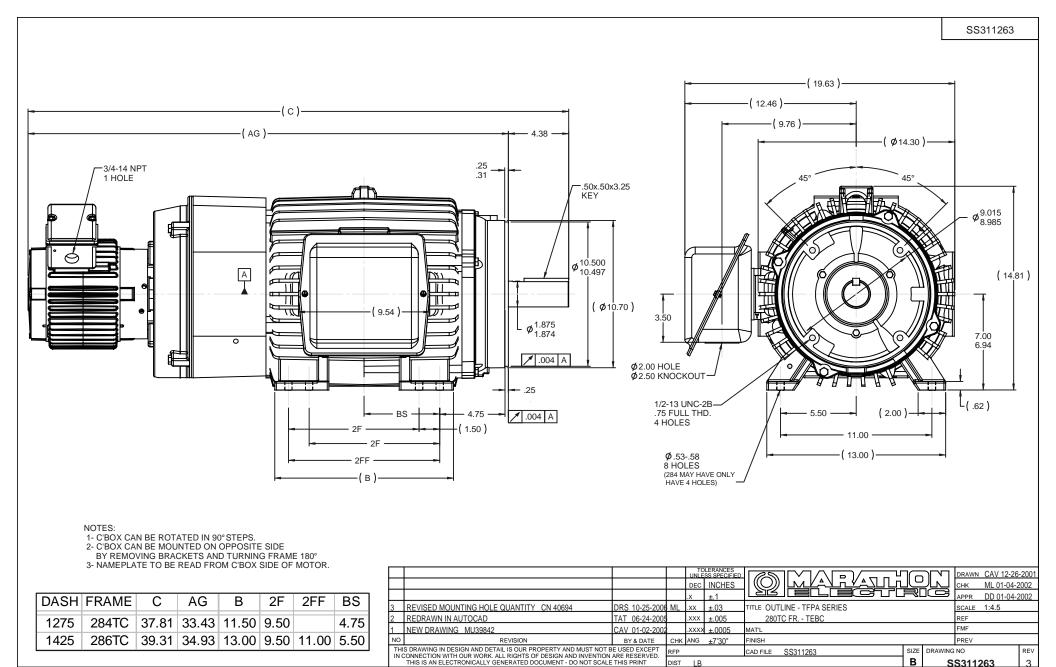
Nameplate Specifications

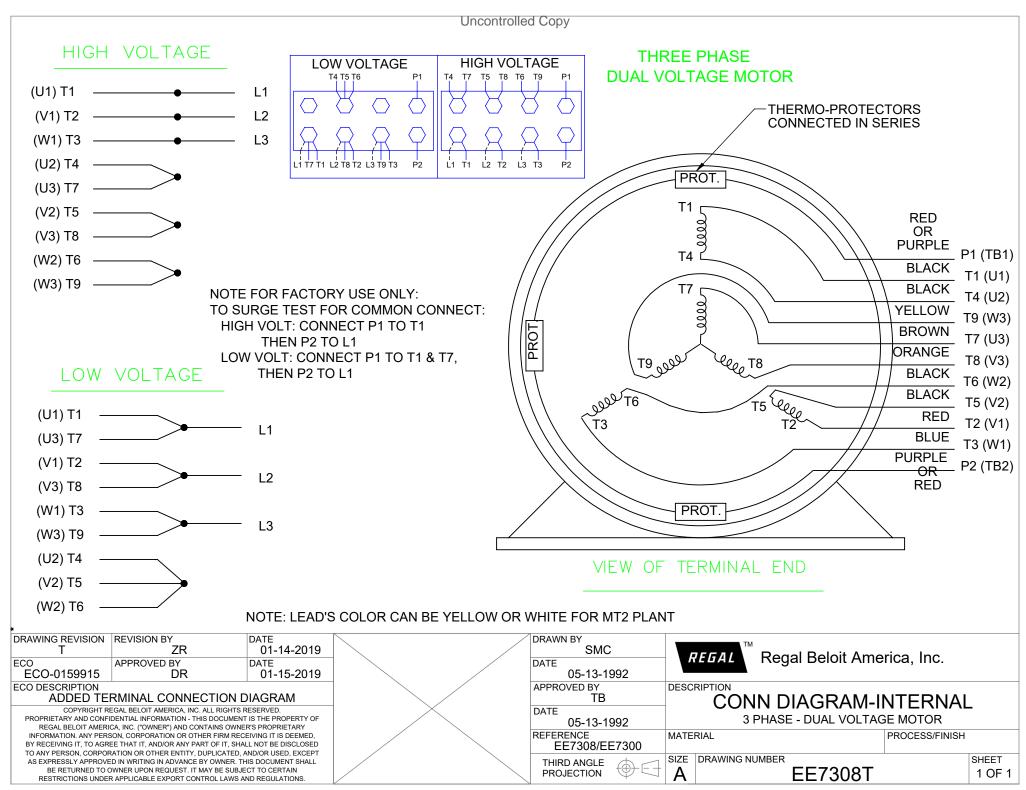
Output HP	15 Hp	Output KW	11.2 kW
Frequency	60 Hz	Voltage	230/460 V
Current	40.0/20.0 A	Speed	1170 rpm
Service Factor	1	Phase	3
Efficiency	88.5 %	Power Factor	79
Duty	Continuous	Insulation Class	Н
Design Code	INV	KVA Code	G
Frame	284TC	Enclosure	Totally Enclosed Blower cooled - Axial
Thermal Protection	Thermostat	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Duty	Starting Method	Inverter Only
Poles	6	Rotation	Reversible
Resistance Main	.748 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	37.81 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 2000:1		
Connection Drawing	A-EE7308T	Outline Drawing	B-SS311263-1275

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CERTIFICATION DATA SHEET

 Model#:
 284THFPA8086 AC
 WINDING#:
 254661 R1 6

 CONN. DIAGRAM:
 A-EE7308T
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS311263-1275

TYPICAL MOTOR PERFORMANCE DATA

Į	HP	KW	'	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KV	A CODE	DESIGN
	15	11.2	2	1200		1200 1170		284TC TEBC-AXIAL			G	INV
	PH	Hz	VOI	LTS	FL AMPS	START TYPE	DUTY	INSL	s	.F	AMB°C	ELEVATION
	3	60	230/	/460	40/20	INVERTER ONLY	CONTINUOU	H4	1.	.0	40	3300

FULL LOAD EFF: 88.5	3/4 LOAD EFF: 89.5	1/2 LOAD EFF: 88.5	GTD. EFF	ELEC. TYPE	NO LOAD AMPS	
FULL LOAD PF: 79	3/4 LOAD PF: 74.5	1/2 LOAD PF: 64	87.5	SQ CAGE INV DUTY	18 / 9	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
67 LB-FT	230 / 115	126 LB-FT 188	178 LB-FT 266	60

SOUND PRESSURE	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS	APPROX. MOTOR
@ 3 FT.					/HOUR	WGT
75 dBA	85 dBA	2.7 LB-FT^2	- LB-FT^2	- SEC.	-	500 LBS.

EQUIVALENT WYE CKT.PARAMETERS (OHMS PER PHASE)

R1	R2	X1	X2	XM
0.495704	0.404888	1.6555	1.515492	28.38
RM	ZREF	XR	TD	TD0
1649.824	18.92	3.33	0.0127	0.196

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	ENCODER	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE (ENAMEL)

BEAF	RINGS	GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6311	6210					ROLLED (C-204)	

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

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 2000:1 INV. HP SPEED RANGE: 1.5 X BASE SPEED

ENCODER: PROVISIONS ONLY

NORTHSTAR ST56 NONE NONE PPR

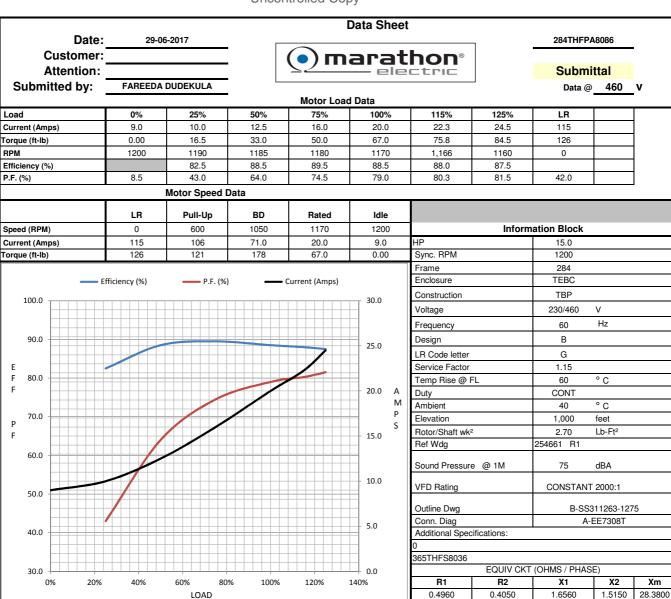
BRAKE: NONE NONE NONE P/N NONE

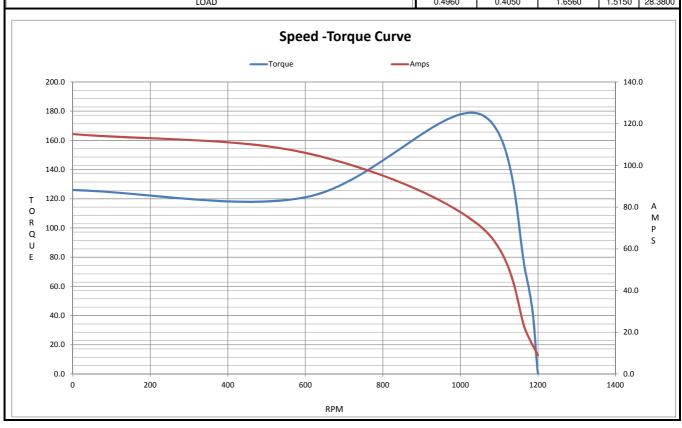
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NONE	NONE		
- FT-LB	NONE V	NONE Hz	

DATE: 06/23/2017 07:35:39 AM FORM 3531 REV.3 02/07/99 ** Subject to change without notice.







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: 284THFPA8086

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

Catalog No: Y395 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. cers

Michael A. Logsdon Vice President, Technology

Created on 09/01/2022

Julian Clark Marketing Engineer

C€ 22