PRODUCT INFORMATION PACKET



Model No: 284TTFNA7240 Catalog No: Y385

XRI®-SD Cooling Tower Motor, 20 & 5 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 284T Frame,

TEFC







Product Information Packet: Model No: 284TTFNA7240, Catalog No:Y385 XRI®-SD Cooling Tower Motor, 20 & 5 HP, 3 Ph, 60 & 60 Hz, 460 & 460 V, 1800 & 1800 RPM, 284T Frame, TEFC



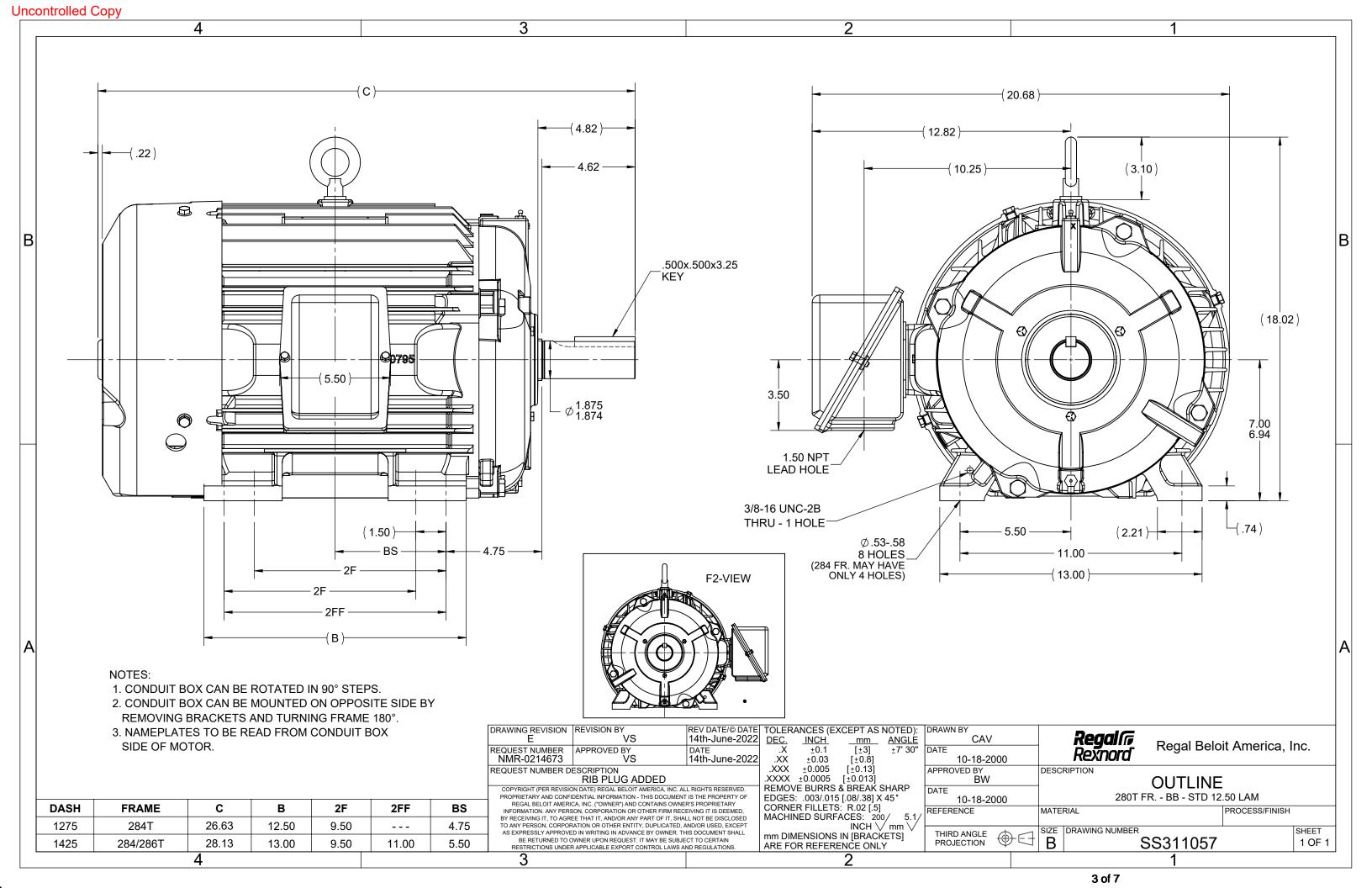
Nameplate Specifications

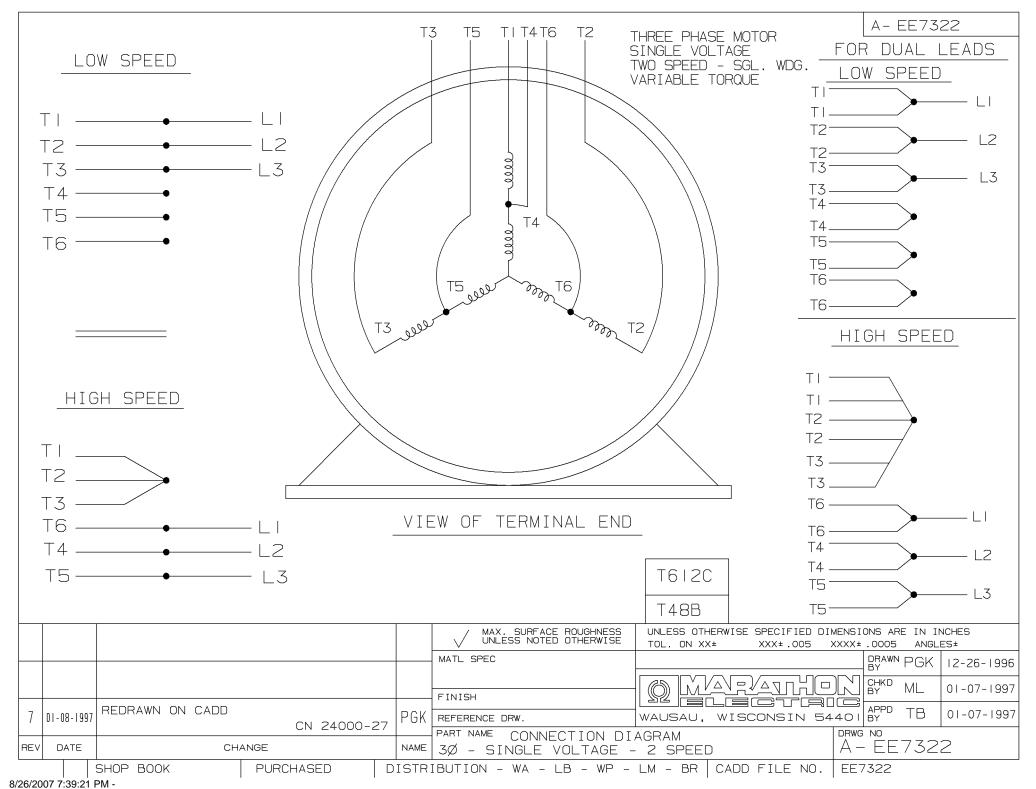
Phase	3	Output HP	20 & 5 Hp
Output KW	14.9 & 3.7 kW	Voltage	460 & 460 V
Speed	1775 & 880 rpm	Service Factor	1.15 & 1.15
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	91.7 & 87.5 %
Ambient Temperature	40 °C	Frequency	60 & 60 Hz
Current	24 & 8.5 A	Power Factor	84.5
Duty	Continuous	Insulation Class	F
Design Code	1VT	KVA Code	J
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	55
Number of Speeds	2		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4/8	Rotation	Reversible
Resistance Main	.505 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	26.21 in
Frame Length	12.75 in	Shaft Diameter	1.875 in
Shaft Extension	4.82 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7322	Outline Drawing	B-SS311057-1275

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CERTIFICATION DATA SHEET

 Model#:
 284TTFNA7240 AA
 WINDING#:
 K284(4-8)48 NONE 7

 CONN. DIAGRAM:
 A-EE7322
 ASSEMBLY:
 F1/F2 CAPABLE

OUTLINE: B-SS311057-1275

TYPICAL MOTOR PERFORMANCE DATA

	HP	KW	1	SYN	IC. RPM	F.L. RPM	FRAME	ENCLO	SURE	KV	A CODE	DESIGN
	20&5	14.9&	3.7	900		1775&880	284T	284T TEF			J	1VT
	PH	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	S.	.F	AMB°C	ELEVATION
	3	60/60	4	60	24&8.5	ACROSS THE	CONTINUOU	F3	1.15/	1.15	40	3300
L						LINE	S					
	3			00			S		1.13/	1.10		

FULL LOAD EFF: 91.7&87.5	3/4 LOAD EFF: 87.5	1/2 LOAD EFF: 84	GTD. EFF	ELEC. TYPE	NO LOAD AMPS
FULL LOAD PF: 84.5&63	3/4 LOAD PF: 56	1/2 LOAD PF: 45	85	SQ CAGE IND RUN	5.2

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
30 LB-FT	35	39 LB-FT 130	66 LB-FT 220	65

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	4.2 LB-FT^2	- LB-FT^2	20 SEC.	-	475 LBS.

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	NONE	FALSE	NONE	BLUE (EPOXY)

BEARINGS		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-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: NONE
INV. HP SPEED RANGE: NONE
ENCODER: NONE

NONE NONE PPR

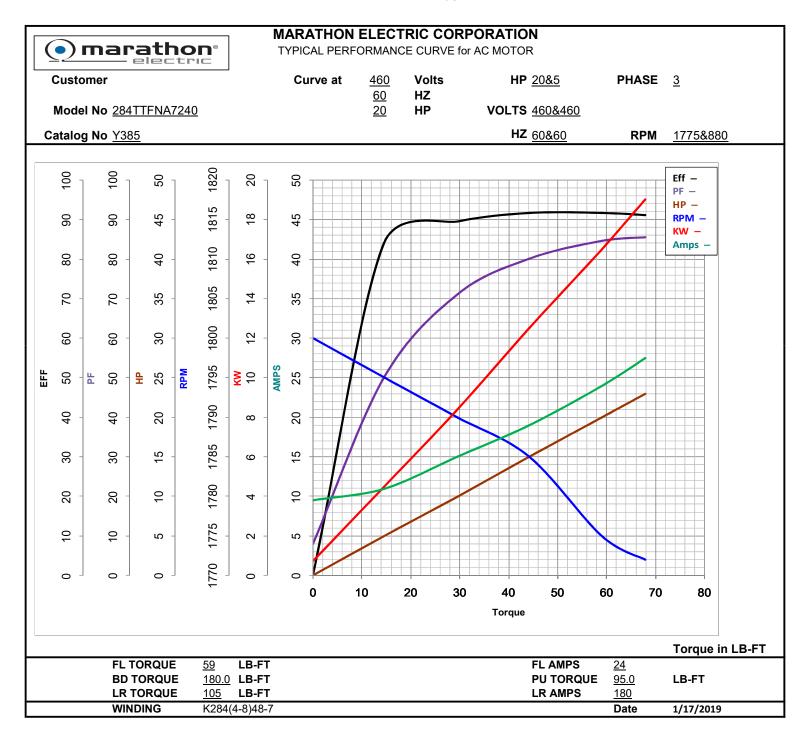
BRAKE: NONE NONE

NONE P/N NONE
NONE NONE

- FT-LB NONE V NONE Hz

N O T E S

> DATE: 06/21/2017 10:16:47 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: 284TTFNA7240

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

Catalog No : Y385

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:

J. Clus

Michael A. Logsdon Vice President, Technology Julian Clark Marketing Engineer

Authorized Representative in the Community:

Created on 09/01/2022

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