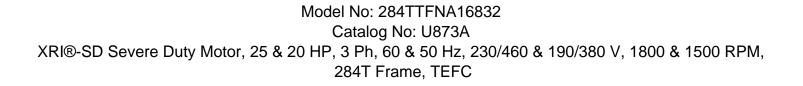
PRODUCT INFORMATION PACKET





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Motors

Product Information Packet: Model No: 284TTFNA16832, Catalog No:U873A XRI®-SD Severe Duty Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 284T Frame, TEFC

marathon®

Nameplate Specifications

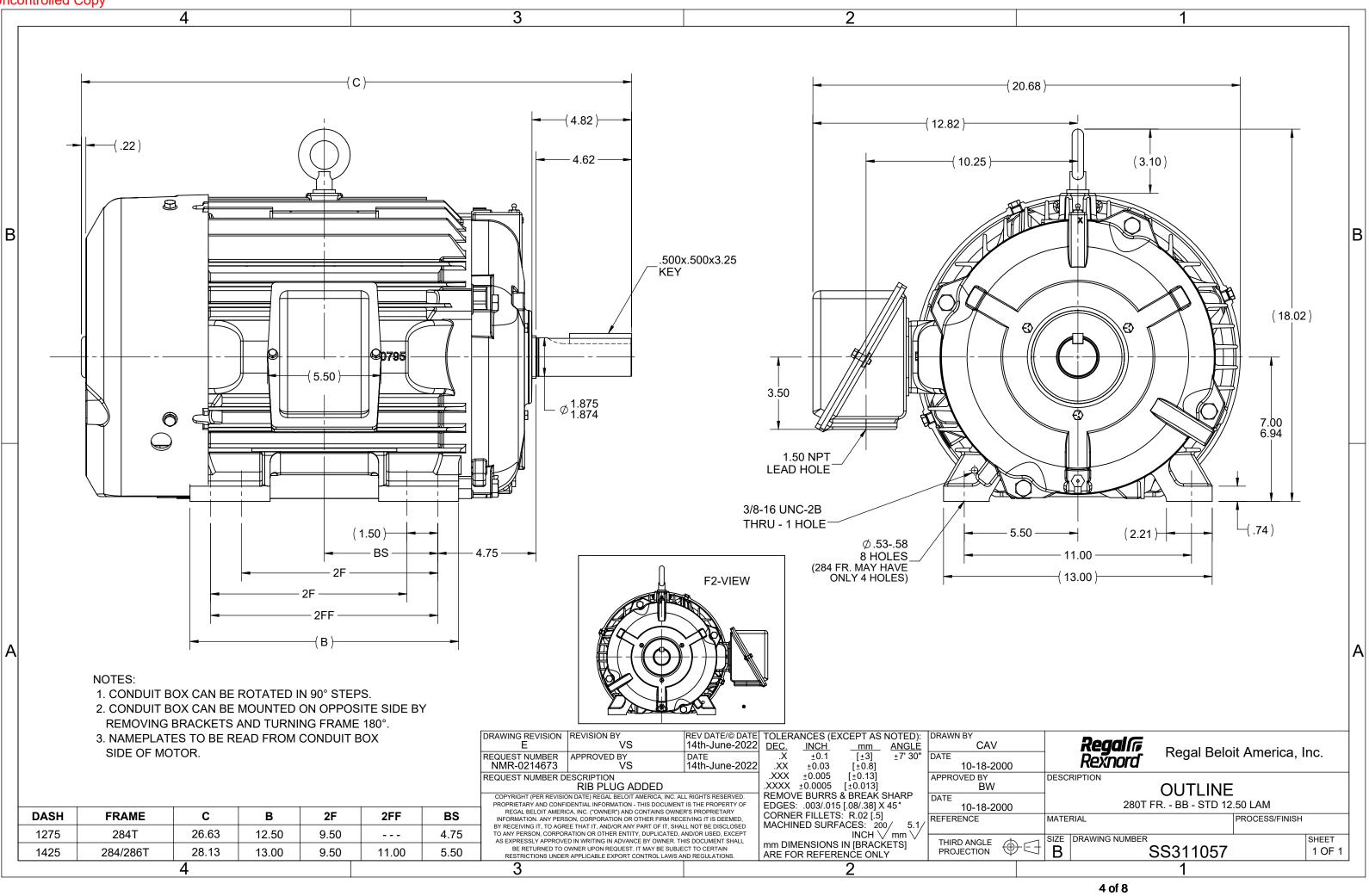
3	Output HP	25 & 20 Hp
18.7 & 14.9 kW	Voltage	230/460 & 190/380 V
1772 & 1472 rpm	Service Factor	1.15 & 1.15
284T	Enclosure	Totally Enclosed Fan Cooled
No Protection	Efficiency	93.6 & 93 %
40 °C	Frequency	60 & 50 Hz
62/31 & 60/30 A	Power Factor	81
Continuous	Insulation Class	F
В	KVA Code	G
6311	Opp Drive End Bearing Size	6210
Recognized	CSA	Y
Y	IP Code	55
1		
	18.7 & 14.9 kW 1772 & 1472 rpm 284T No Protection 40 °C 62/31 & 60/30 A Continuous B 6311 Recognized	18.7 & 14.9 kWVoltage1772 & 1472 rpmService Factor284TEnclosureNo ProtectionEfficiency40 °CFrequency62/31 & 60/30 APower FactorContinuousInsulation ClassBKVA Code6311Opp Drive End Bearing SizeRecognizedCSA

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.271 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
Inverter Load	CONSTANT 10:1		
Outline Drawing	B-SS311057-1275	Connection Drawing	A-EE7308

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CERTIFICATION DATA SHEET

Model#:	284TTFNA16832 BB	WINDING#:	K2844161 NONE 9
CONN. DIAGRAM:	A-EE7308	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS311057-1275		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw	SYN	C. RPM	F.L. RPM	FRAME	EN	CLOSURE	КУА СО	DE	DESIGN
25&20	18	.7&14.9	1	800	1772&1472	284T		TEFC	G		В
РН	Hz	vo	LTS	FL AMPS	START TYPE	DUTY	INSL	. s	.F	AMB°C	ELEVATION
3	60/50		0#190/ 30	62/31&60/	30 LINE OR INVERTER	CONTINUOU S	F3	1.15	/1.15	40	3300
FULL LOAD EFF: 3/4 LOAD EFF: 94.1 1/2 LOAD EFI 93.6&93 93.6 93.6 93.6 1/2 LOAD EFI		LOAD EFF: 93.6	GTD. E	FF	ELEC	. TYPE	NO L	OAD AMPS			
FULL LOAD P	F: 81&81	3/4 LOA	D PF: 76	6 1/2	LOAD PF: 65.5	93		SQ CAGE	INV RATED		26 / 13

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
74 LB-FT	364 / 182	138 LB-FT 186	185 LB-FT 250	60

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS /HOUR	APPROX. MOTOR WGT
65 dBA	75 dBA	4.2 LB-FT^2	175 LB-FT^2	50 SEC.	2	475 LBS.

*** SUPPLEMENTAL INFORMATION ***

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

BEAF	BEARINGS		BEARINGS		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			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further information

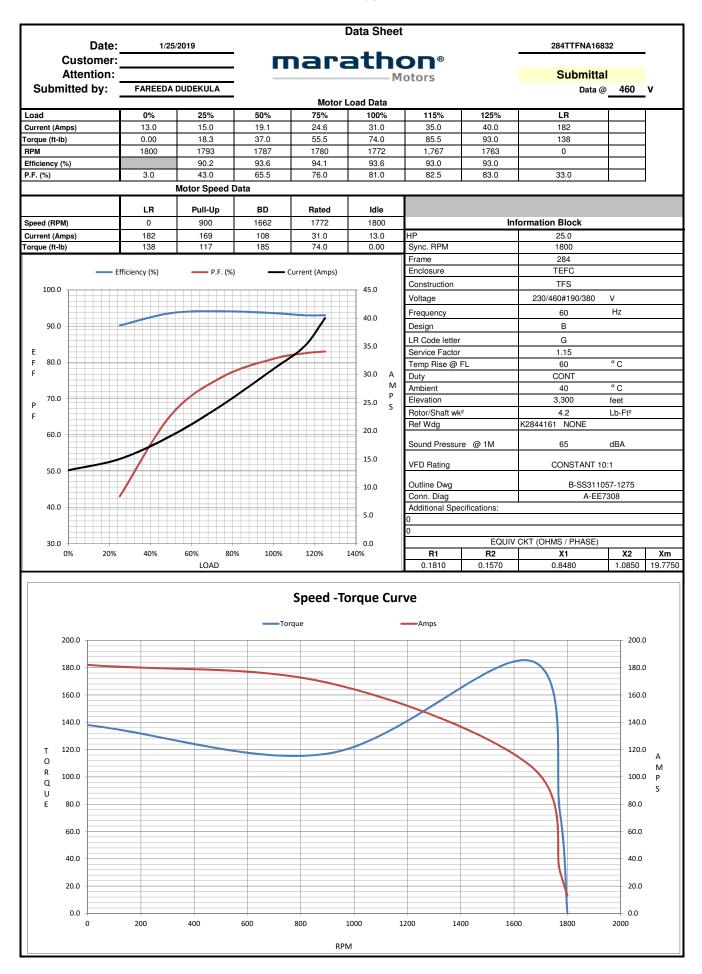
INVERTER TORQU	INVERTER TORQUE: CONSTANT 10:1						
INV. HP SPEED RA	INV. HP SPEED RANGE: NONE						
ENCODER: NONE							
NONE NONE							
NONE NONE PPR	!						
BRAKE: NONE	NONE						
NONE P/N N	ONE						
NONE NONE							
NONE FT-LB	NONE V	NONE Hz					

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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: 284TTFNA16832

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

Catalog No : U873A

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