# **PRODUCT INFORMATION PACKET**

Model No: 286TTFNA6570 Catalog No: E491 XRI®-SD Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 230/460 V, 1800 RPM, 286T Frame, TEFC



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# marathon®

### Nameplate Specifications

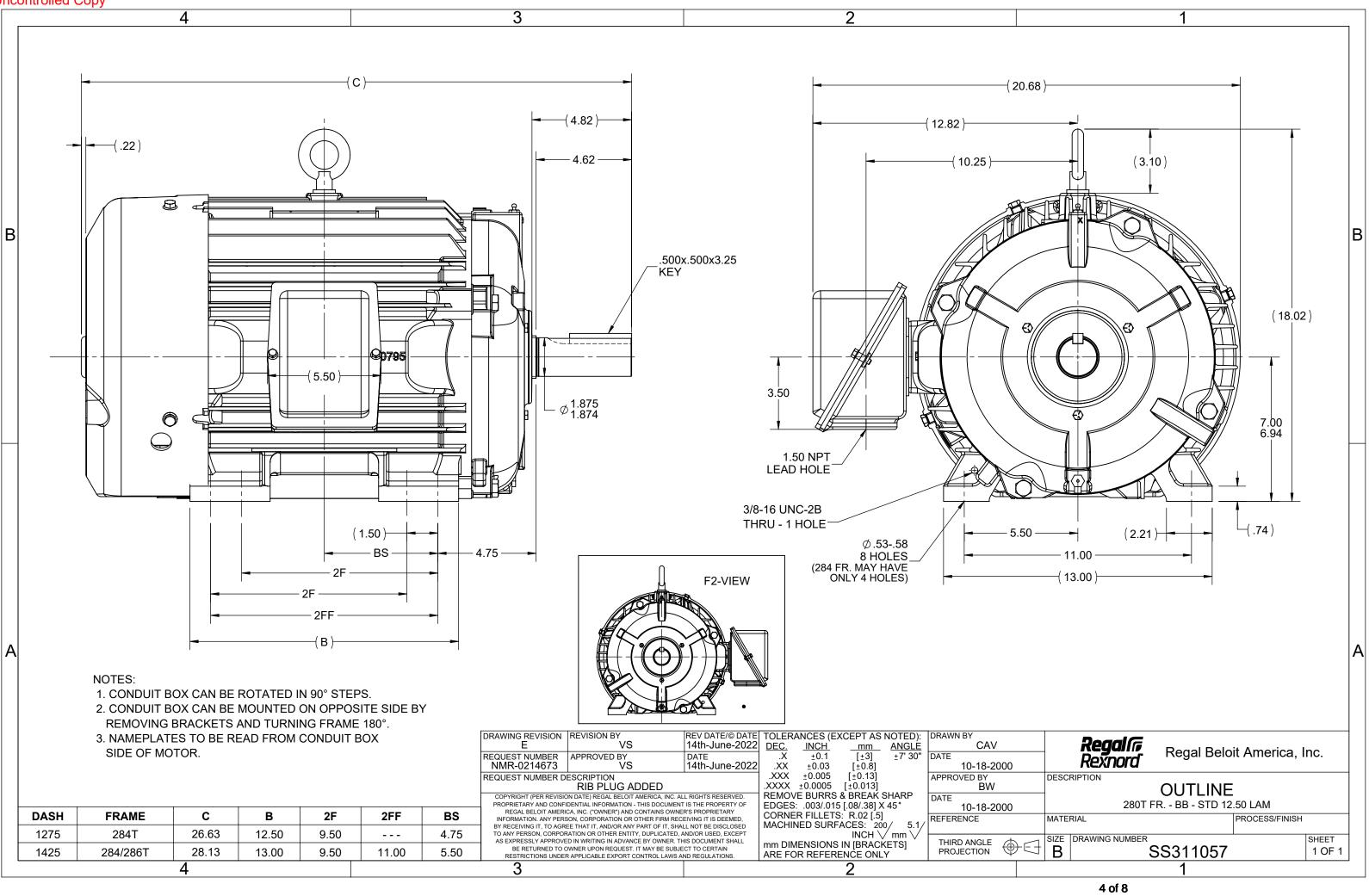
Phase	3	Output HP	30 Hp
Output KW	22.4 kW	Voltage	230/460 V
Speed	1773 rpm	Service Factor	1.15
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No Protection	Efficiency	94.1 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	73.0/36.5 A	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Y
CE	Y	IP Code	54
Number of Speeds	1	Hazardous Location	DIVISION 2 T2B

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	4	Rotation	Reversible
Resistance Main	.205 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	27.71 in
Frame Length	14.25 in	Shaft Diameter	1.875 in
Shaft Extension	4.82 in	Assembly/Box Mounting	F1/F2 CAPABLE
Inverter Load	CONSTANT 20:1		
Outline Drawing	B-SS311057-1425	Connection Drawing	A-EE7308

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#### **CERTIFICATION DATA SHEET**

Model#:	286TTFNA6570 AA	WINDING#:	K2864159 NONE 6
CONN. DIAGRAM:	A-EE7308	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS311057-1425		

#### TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw	SY	NC. RE	РМ	F.L.	RPM	FRAM	ΛE	EN	CLOSU	RE	KVA	COD	E	DESIGN		
30		22.4		1800		1773		286	T		TEFC		G			В		
РН	Hz	v	OLTS	FL	AMPS	STA	RT TYPE	DUTY		INSL		S.	F	A	MB°C	ELEVATION		
3	60	2	30/460	7	3/36.5		INE OR /ERTER	CONTINU S	OU	F3		1.1	5		40	3300		
FULL LOAD EFF: 94.1 3/4 LOAD EFF:		D EFF: 9	94.1	.1 1/2 LOAD EFF: 93.6		FF: 93.6	GTD. EFF			ELEC. TYPE			NO LOAD AMPS					
FULL LOAD	PF: 82 3/4 LOAD PF: 77 1/2 LOAD PF: 67		F: 67.5	(	93.6		SQ C	AGE II	NV RATI	D		30 / 15						
F.L. TO	RQUE	LC	CKED R	OTOR	TOR AMPS L.R. TO		RQUE		B.	D. TOR	QUE		F.L. RISE°C		RISE°C			
89 LE	3-FT		434	/ 217		]	165 LB-	LB-FT 185 245 L		245 LB-FT 275			60		60			
SOUND PRESS @ 3 FT.	SURE	SOUND PO	WER	RO	TOR WK^2	2	MAX.	WK^2	SAI	FE STALL	TIME		START /HOUR		APF	PROX. MOTOR WGT		
65 dBA			5 dBA 4.		4.6 LB-FT^2		225 LB	LB-FT^2 25		3-FT^2 25		25 SEC.			2			540 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	DIVISION 2 T2B	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	OTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

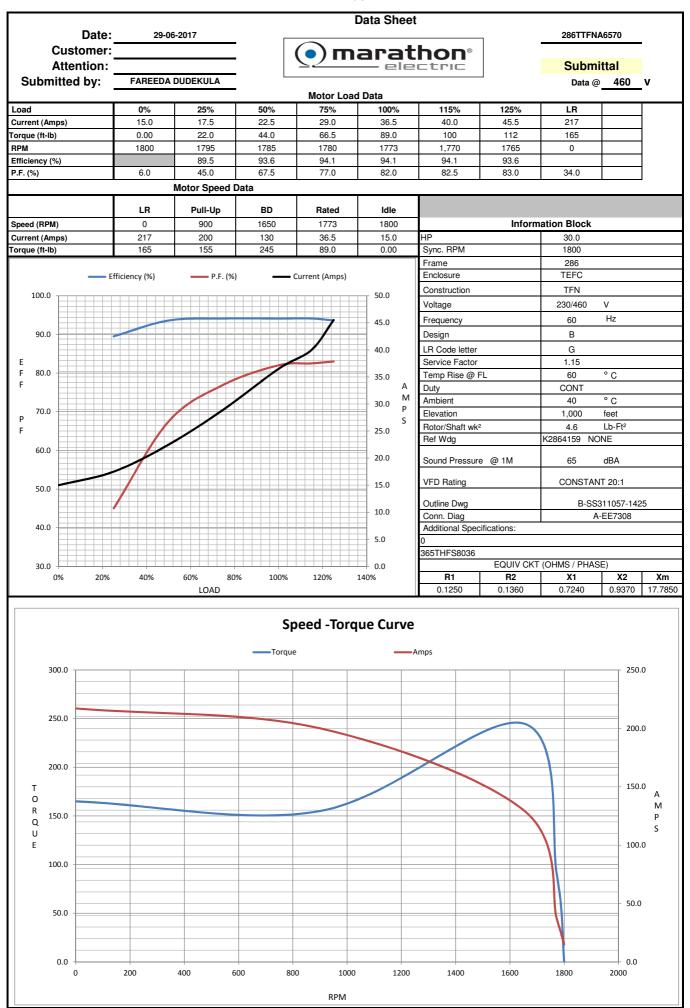
## If Inverter equals NONE, contact factory for further

	information
*	INVERTER TORQUE: CONSTANT 20:1
Ν	INV. HP SPEED RANGE: 1.5 X BASE SPEED
0	ENCODER: NONE
T	NONE NONE
E	NONE NONE PPR
S	
*	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

DATE: 06/27/2017 04:04:44 AM FORM 3531 REV.3 02/07/99

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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: 286TTFNA6570

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

Catalog No : E491

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 11/18/2023

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Authorized Representative in the Community:

Julian Clark Marketing Engineer