# **PRODUCT INFORMATION PACKET**

Model No: 284TTGCD6533 Catalog No: E547A Hazardous Duty® Explosion Proof Motor, 25 & 20 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 & 1500 RPM, 284T Frame, EPFC



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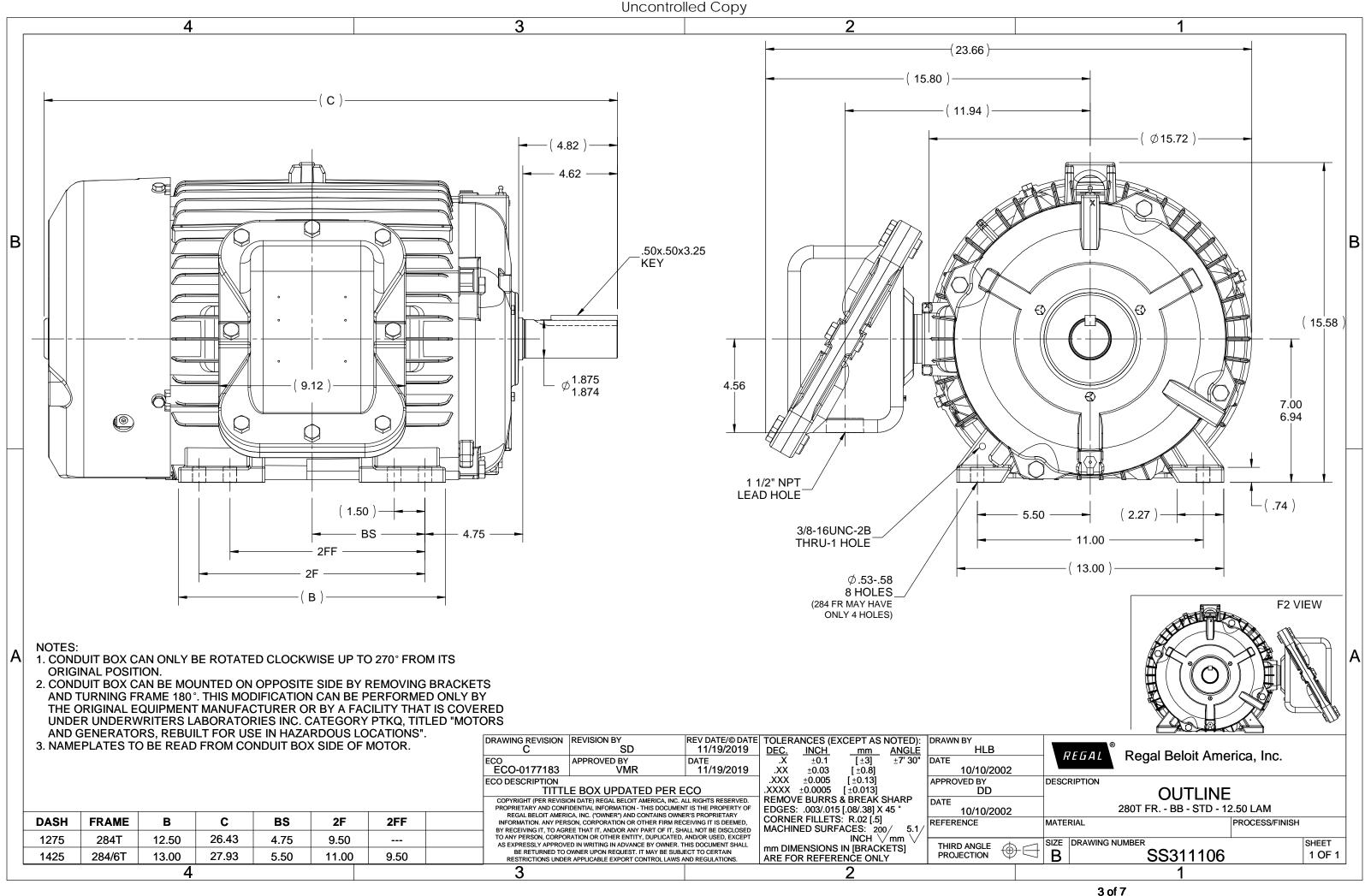
### Nameplate Specifications

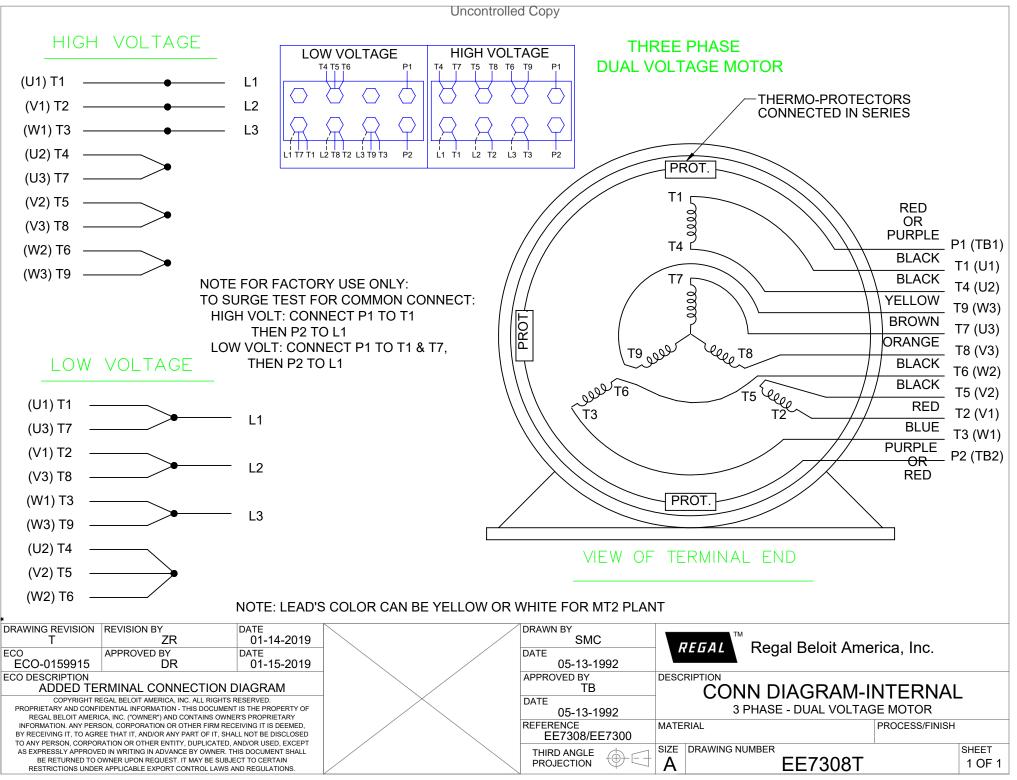
Phase	3	Output HP	25 & 20 Hp		
Output KW	18.7 & 14.9 kW	Voltage	230/460 & 190/380 V		
Speed	1772 & 1475 rpm	Service Factor	1.00 & 1.00		
Frame	284T	Enclosure	Explosion Proof Fan cooled		
Thermal Protection	Thermostat	Efficiency	93.6 & 92.7 %		
Ambient Temperature	50 °C	Frequency	60 & 50 Hz		
Current	60/30 & 58/29 A	Power Factor	83		
Duty	Continuous	Insulation Class	F		
Design Code	В	KVA Code	G		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210		
UL	UL Listed And CSA Certified	CSA	Υ		
CE	N	IP Code	54		
Number of Speeds 1		Hazardous Location	DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C		

### **Technical Specifications**

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter	
Poles	4	Rotation	Reversible	
Resistance Main	.2988 Ohms	Mounting	Rigid Base	
Motor Orientation	Horizontal	Drive End Bearing	Ball	
Opp Drive End Bearing	Ball	Frame Material	Cast Iron	
Shaft Type	т	Shaft Diameter	1.875 in	
Assembly/Box Mounting	F1 ONLY	Inverter Load	CONSTANT 10:1	
Connection Drawing	A-EE7308T	Outline Drawing	SS311106-1275	

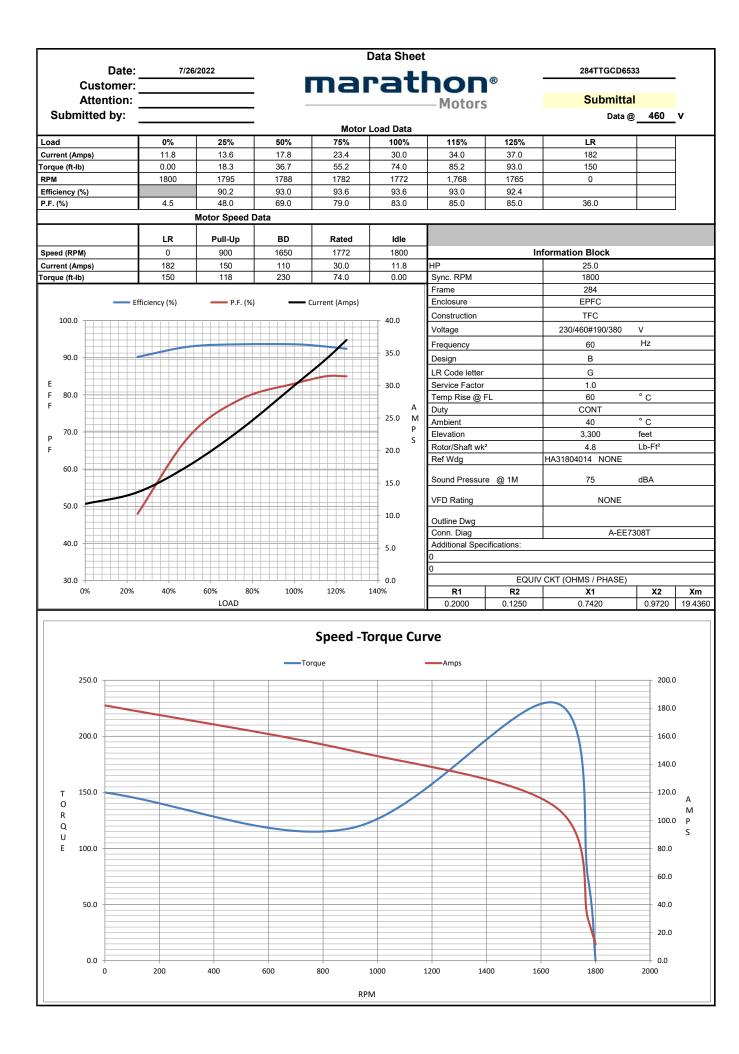
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P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311 DATA VOLTS: 460													
							CERTIFICAT		TA SHEET				
CUSTOM ORDER # CONN. DI OUTLINE WINDING SPEED:	: AGRAM:	A-EE7308T B-SS31110 HA:		NONE	7					284TTGCI	D6533 E547A		
	[						TYPICAL MOTOR	PERFO		1			
HP	KW	SYNC		FLR			FRAME	ENCLOSURE		TYPE	KVA COI	DE	DESIGN
25	18.7	1800 1772 28			284T		EPFC	TFC	G		В		
<u>РН</u> 3	HZ 60/50	VOL 230/460#		AMPS 80 60/30&58/29			START TYPE ACROSS THE LINE		DUTY	INSL	S.F. 1.00	<b>AMB</b> 50	ELEV. 3300
Ľ						·			•	1			0000
	F.L. EFF F.L. PF	93.6 83.0		3/4 LD EFF 3/4 LD PF	93.6 79.0		1/2 LD EFF 1/2 LD PF	93.0 69.0	93.0			CT. TYPE GE IND RUI	4
		· · · ·					т.       т.      т.      т.        т.						
	ORQUE LB-FT			150	L.R. TORQUE LB-FT 203%		B.D. TORQUE		F.L. RISE ( 311% 60		°C)		
								200					
SOUND I 75	dBA	84 0	ND dBA	<b>ROTOR</b> 4.8	LB-FT <sup>2</sup>	175	MAX. LOAD WK <sup>2</sup> LB-FT <sup>2</sup>	20	20 SAFE STALL TIME		2	APROX. 561	MOTOR WGT
- 15	UBA	04	UDA	¥.0	20-11	175					2	301	LD.
		ODE BR	ACKET	MOUNT	MO	TOR	*** SUPPLEMEN	ENTAL INFORMATION ***					
	BRACKET TYPE TYPE ORIE			TATION	SEVERE DUTY PREMIUM SEVERE DUTY	HAZARDOUS LOCATION DIV 1 EXP PROOF CL I GR CD CL II GR FG T3C		COVER	SCREENS	PAINT BLUE - RAL 5003 (EPOXY)			
STA	NDARD	STANL	JARD	RIGID	HURIZ	UNTAL	PREMIUM SEVERE DUTY	DIVIE	XP PROOF CETGR CD CETIGR FG T3C	NO	NONE	BLUE -	RAL 5003 (EPOXY)
DE	RINGS ODE	GREA	ASE	SHAFT TYPE SPECIAL DE			SPECIAL ODE	SHAFT MATERIAL		FRAME MATERIAL			
BALL 6311	BALL 6210	POLYRE	EX EM	т	T NONE			NONE	1045 HOT ROLLED (C-204)		CAST IRON		
	IOSTATS TS (N/C)	PROTEC		WDG RTD's BRG RTD's NONE NONE			THERMISTORS NONE		CONTROL FALSE		SPAC	E HEATERS	
R1 (0	hms/ph)	R2 (ohn	ns/ph)	X1 (ohn	ns/ph)		X2 (ohms/ph)		Xm (ohms/ph)	VIBR	ATION (in/sec)		FLOAT
	).2	0.125 0.742 0.972		19.436		0.080 ODE							
* N O T									INV. HP SPEE	-			
E						ENCODER: NONE NONE NONE PPR					PPR		
	PREPARED BY:					BRAKE: NONE           NONE         NONE           FT-LB:         NA           VOLTAGE:         NONE           HZ:         NA							
FORM: 3531 REV_4 2/27/06						UL: NO LETTER - ALL BRANDS-UL LISTED AND CSA CERTIFIED DIV. 1 XP MOTORS							



Certificate Number Report Reference Issue Date	20220325- E12044 E12044-19991213 2022-MARCH-25
U U Issued to:	REGAL BELOIT AMERICA INC 1946 W COOK RD FORT WAYNE IN 46818 Tradename: Marathon
This certificate confirms that representative samples of	MOTORS FOR USE IN HAZARDOUS LOCATIONS Electric motors for use in hazardous locations; Class I, Groups C and D; Class II, Groups F and G; Inclusive of Model Number 284TTGCD6533 (may have prefix and/or suffix characters).
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 674 - Electric Motors and Generators for Use in Division 1 Hazardous (Classified) Locations, CSA C22.2 No. 145, Electric Motors and Generators for Use in Hazardous (Classified) Locations
Additional Information:	See the UL Online Certifications Directory at <u>https://iq.ulprospector.com</u> for additional information.

**CERTIFICATE OF COMPLIANCE** 

This *Certificate of Compliance* does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

Barnelly

Bruce Mahrenholz, Director North American Certification Program

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