## **PRODUCT INFORMATION PACKET**



Model No: 286TTGN16533 Catalog No: U030A Hazardous Duty® Explosion Proof Motor, 30 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 286T Frame, EPFC



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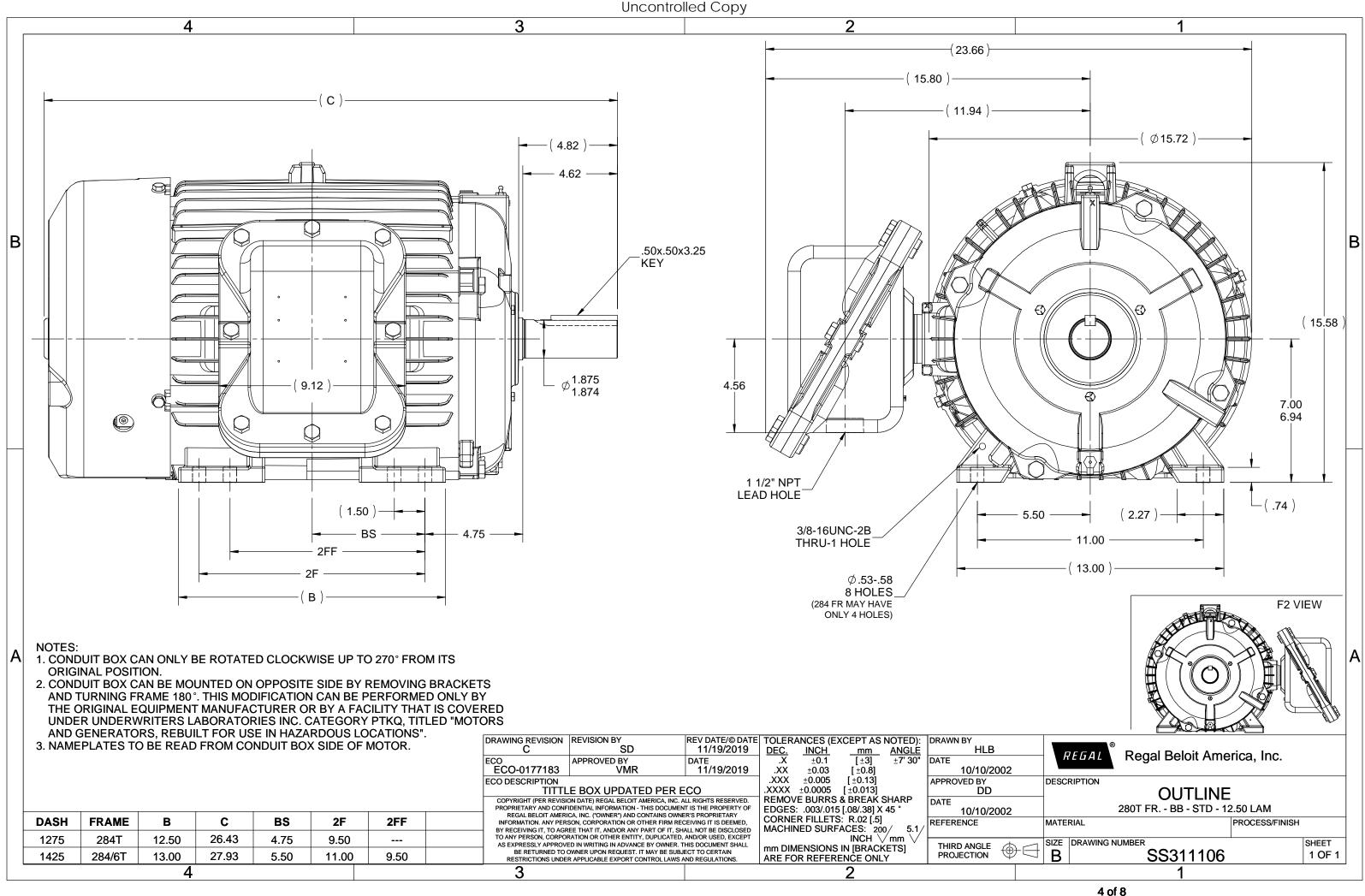
### Nameplate Specifications

Output HP	30 Hp	Output KW	22.4 kW
Frequency	60 Hz	Voltage	575 V
Current	29.2 A	Speed	1773 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286T	Enclosure	Explosion Proof Fan cooled
Thermal Protection	Thermostat	Ambient Temperature	40 °C
		· · · · · · · · · · · · · · · · · · ·	
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
Drive End Bearing Size	6311 UL Listed And CSA Certified		
		Opp Drive End Bearing Size	6210

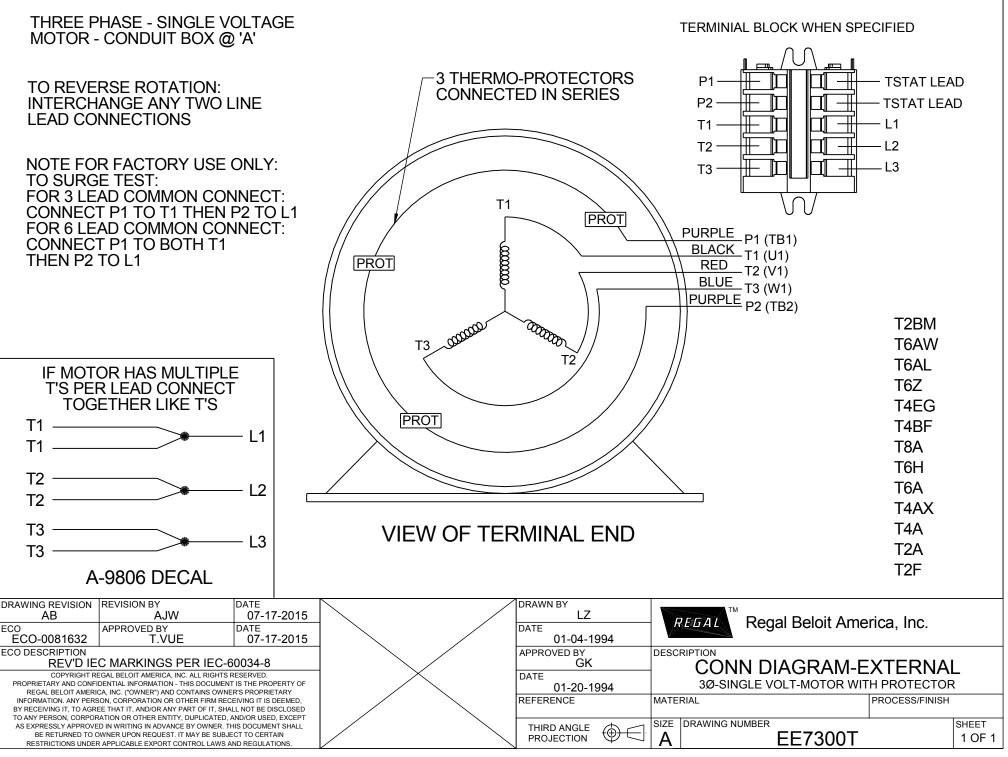
### **Technical Specifications**

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 ONLY	
Inverter Load	CONSTANT 10:1			
Outline Drawing	B-SS311106-1425	Connection Drawing	A-EE7300T	

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#### **CERTIFICATION DATA SHEET**

Model#:	286TTGN16533 AA	WINDING#:	K2864159 NONE 5
CONN. DIAGRAM:	A-EE7300T	ASSEMBLY:	F1 ONLY
OUTLINE:	B-SS311106-1425		

### TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw	N SYNC. RF		РМ	F.L.	. RPM	FRAM	E	ENG	CLOSU	RE	KVA	COL	DE	DESIGN
30		22.4		1800		1	773 286T			EPFC			G		В	
РН	Hz	z	VOLTS	FI	AMPS	STA	ART TYPE	DUTY		INSL		S.	F	A	MB°C	ELEVATION
3	60	)	575	75 29.2			INE OR VERTER	CONTINUC	JU	F3	1.1		15	5 40		3300
FULL LOAD E	FF: 94.1	3/4	3/4 LOAD EFF: 94.1 1/2		1/2 LO	AD EI	FF: 93.6	GTD. EFF		F	ELEC. TYPE		TYPE	NO LOAD AMPS		LOAD AMPS
FULL LOAD	PF: 82	3	3/4 LOAD PF: 77 1/		1/2 LO	2 LOAD PF: 67.5		3.6		SQ C	AGE I	NV RATI	ED		12	
F.L. TO	RQUE		LOCKED ROTOR AMPS				L.R. TORQUE B.D. TORQU		QUE			F.L.	RISE°C			
89 LB	3-FT		173.6			165 LB-FT 185		24	245 LB-FT 275		60					
SOUND PRESS @ 3 FT.	SURE	SOUN	D POWER	RO	TOR WK^	2	MAX.	WK^2	SAF	FE STALL	TIME		START /HOUR	-	AP	PROX. MOTOR WGT
65 dBA		7	5 dBA	4.6 LB-FT^2			225 LB	-FT^2		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	EXP PROOF CL	FALSE	NONE	BLUE (EPOXY)
				SEVERE DUTY	I GR C&D CL II			
					GR F&G T3B			

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			
TSTATS (N/C)	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

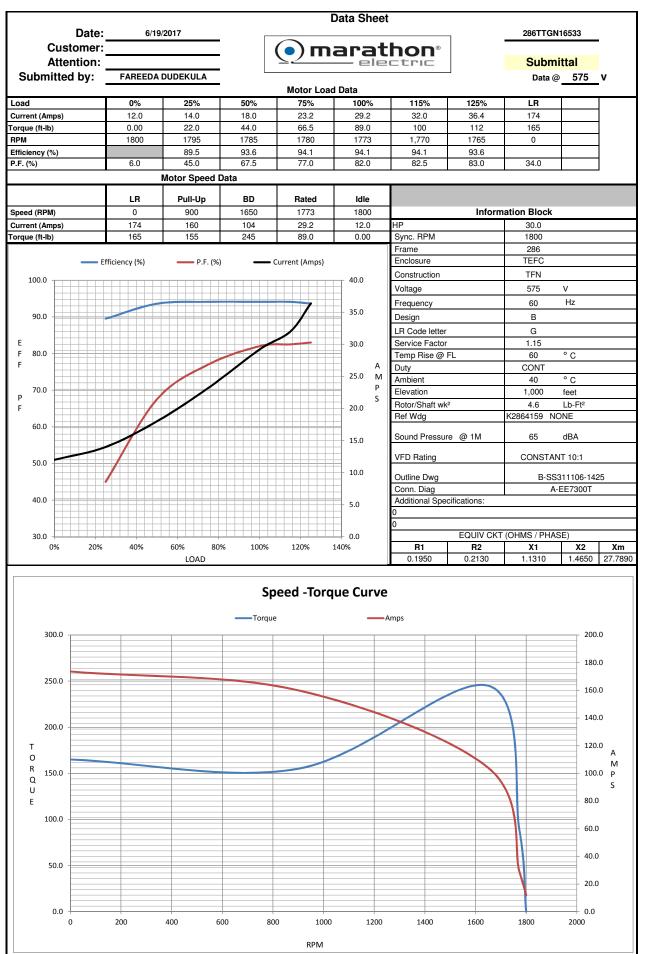
# If Inverter equals NONE, contact factory for further information

INVERTER TORQUE: CONSTANT 10:1						
INV. HP SPEED RAN	IGE: NONE					
ENCODER: NONE	ENCODER: NONE					
NONE NONE						
NONE NONE PPR						
BRAKE: NONE	NONE					
NONE P/N NO	DNE					
NONE NONE						
NONE FT-LB	NONE V	NONE Hz				

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\* O T E S





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 286TTGN16533 (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.

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Bruce Mahrenholz, Director North American Certification Program

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