PRODUCT INFORMATION PACKET

Model No: 286TTFCD16847
Catalog No: E623A-P
Severe Duty Motors, TEFC, 30 HP, 3 Ph, 60 Hz, 460 V, 1770 RPM, 286T Frame



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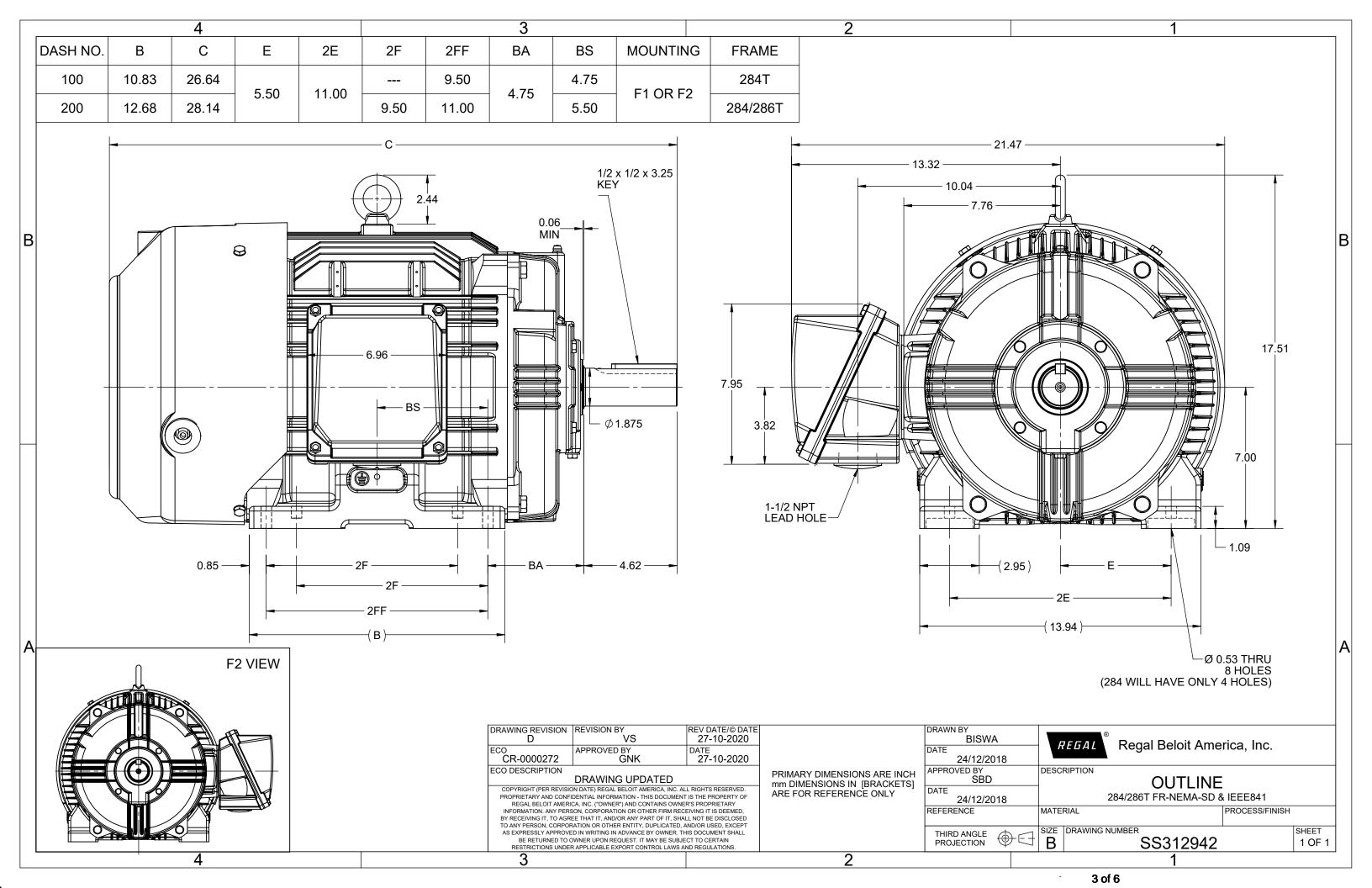
Nameplate Specifications

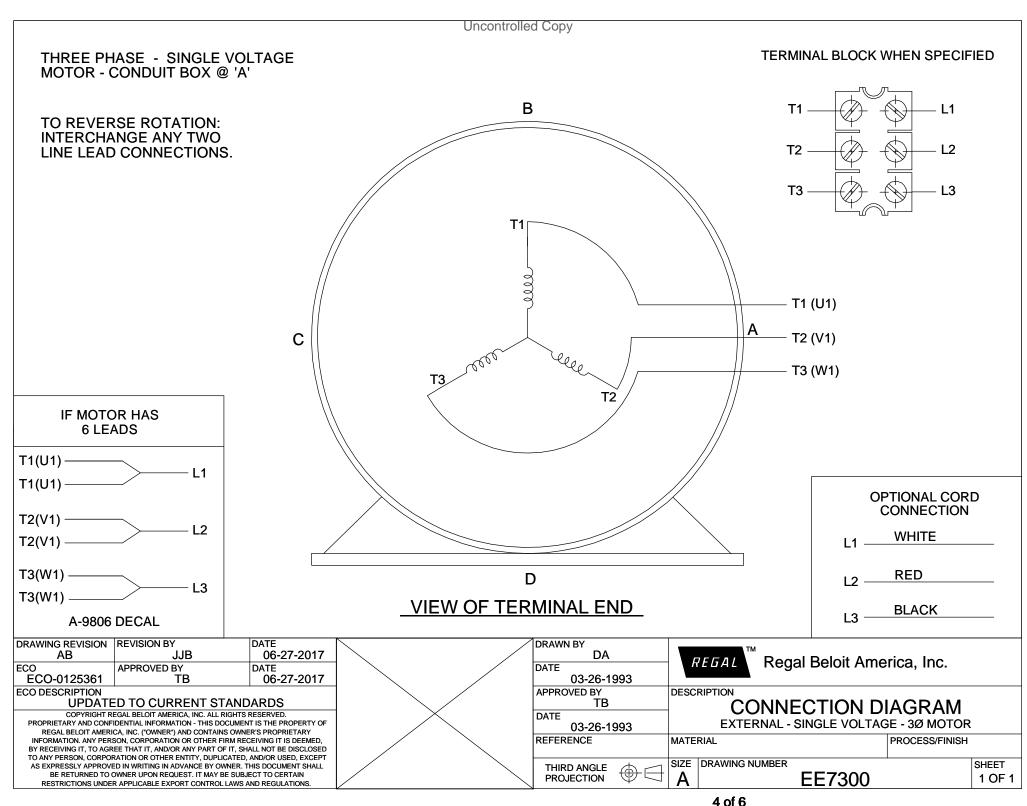
Output HP	30 Hp	Output KW	22.4 kW		
Frequency	60 Hz	Voltage	460 V		
Current	35.5 A	Speed	1770 rpm		
Service Factor	1.15	Phase	3		
Efficiency	93.6 %	Power Factor	84		
Duty	Continuous	Insulation Class	Н		
Design Code	В	KVA Code	G		
Frame	286T	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No Protection	Ambient Temperature	40 °C		
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6211		
UL	Recognized	CSA	Υ		
CE	Υ	IP Code	55		
Number of Speeds	1				

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter			
Poles	4	Rotation	Reversible			
Resistance Main	.27 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/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 20:1			
Connection Drawing	EE7300	Outline Drawing	SS312942-200			

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DATA VOLTS: 460

CERTIFICATION DATA SHEET

CONN. DIAGRAM: EE7300						REFERENCE MODEL #: CAT #:							
OUTLINE: WINDING:		SS312942 HA3	1804006	NONE	8				MOUNTING:	F1/F2 CAPABI	-E		
					TY	PICAL	MOTOR PERFORMA	NCE D	ATA				
HP	KW	SYNC F	C RPM FL RPM		FRAME 286T		ENCLOSURE TEFC		TYPE	KVA CO	DDE	DESIGN	
30	22.4	1800 1775		5					TFC			В	
PH	HZ	VOLTS AMP				START TYPE		DUTY		INSL	S.F.		ELEV. (Ft
3	60	460	1	36.5)	<u> </u>	LINE OR INVERTER	CONT		Н	1.15	40	3300
	F.L. EFF	93.6		3/4 LD EFF	93.6		1/2 LD EFF	93.0	GTD EFF		ELECT. T	/PE	
F.L. PF		83.0 3/4 LD PF		78.0		1/2 LD PF				RATED			
F.L. T0	F.L. TORQUE LR AMPS				L.R. TORQUE		B.D. TORQUE		F.L. RISE	(°C)			
89.0	LB-FT		217		178	LB-FT	200%	227	LB-FT	255%	60	Ì	
	RESSURE	SOUN		ROTOR			MAX. LOAD WK ²		TALL TIME	START	S/HOUR		ROX.
75	dBA	84 d	BA	5.7	LB-FT ²	225	LB-FT ²	20	SEC.		2	532	LB.
						*** SUE	PLEMENTAL INFORMA	TION ***					
		ODE BRA	CKET	MOUNT	МО	TOR	LEMENTAL IN ORMA		ARDOUS				
DE BRACKET TYPE		TYPE TYPE		ORIENTATION SEVERE DUTY		LOCATION		DRIP COVER SCREENS		PAINT			
STANDARD		STAND	STANDARD RIGID HO		HORIZ	ZONTAL PREMIUM SEVERE DUTY		NONE		NO NONE		BLUE (EPOXY)	
BEAF	RINGS	ODEA	0.5	CHAFT	EVDE		ORFOLAL RE	0050	NAL ODE	CUAFT	MATERIAL	EDAME I	MATERIAL
DE	ODE	GREA	GREASE SHAFT TYF		ITPE	E SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL	
BALL	BALL	POLYRE	X EM	т		NONE		NONE		1045 HOT ROLLED (C-204)		CAST IRON	
6311	6211												
													ACE
THERMOSTATS		PROTEC		WDG R		BRG RTD's		THERMISTORS		CONTROL		HEATERS	
NC	ONE	ГОИ	<u> </u>	NON	E		NONE	N	IONE	F.A	LSE	1	AA
R1 (ohms/ph)		R2 (ohm	s/ph)	X1 (ohm	s/ph)	X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT	
0.168		0.11	1	0.61	7	0.851		16.727		0.	0.080		DE
*								If Invertor	oguala NONE	contact factors	for further inforn	notion	
N								ii iiiveitei			CONSTANT 10:		E 10:1
0							INV. HP SPEED RANGE: NONE						
т													
E									ENCODER:	NONE			
s									NONE				
*									NONE	NONE		NONE	PPR
									BRAKE:			_	
PREP	ARED BY:	5/13/20	าวก							ONE	NON	E	
	DATE:	5/13/20	JZU						FT-LB:		AV		
									VOLTAGE:	N I	ONE		LI.
FORM: 35	31 REV 4	2/27/06							VOLTAGE:	N	ONE		H

