PRODUCT INFORMATION PACKET



Model No: 286TTFNA6580
Catalog No: E695
20 HP Severe Duty Motor, 3 phase, 1200 RPM, 575 V, 286T Frame, TEFC
Severe Duty Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E





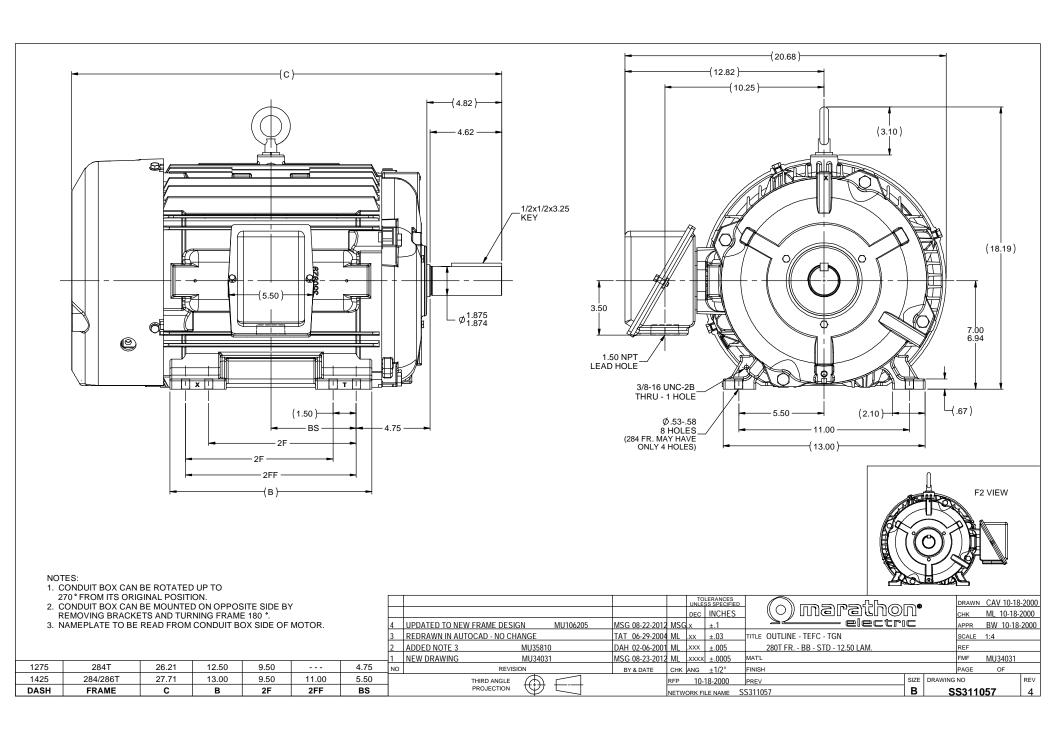
Nameplate Specifications

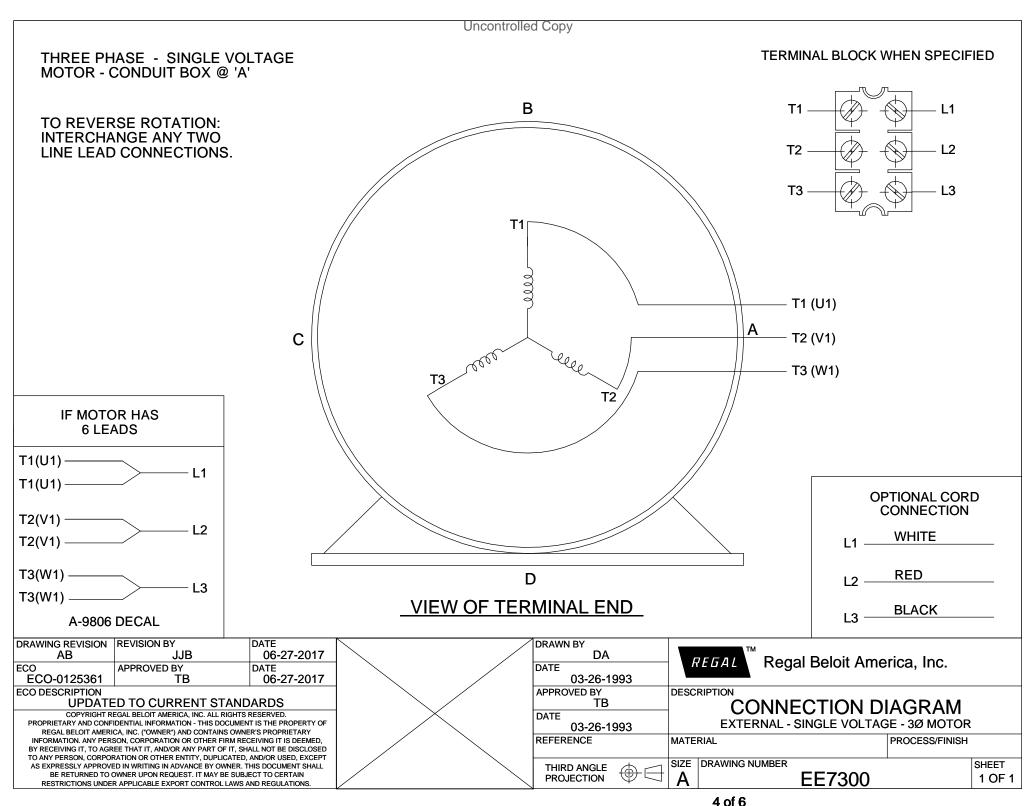
Output HP	20 Hp	Output KW	14.9 kW
Frequency	60 Hz	Voltage	575 V
Current	21.5 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	91.7 %	Power Factor	76
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	286T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6210
UL	Recognized	CSA	Υ
CE	Υ	IP Code	54
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	.385 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
Outline Drawing	B-SS311057-1425	Connection Drawing	A-EE7300

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/12/2021







P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

								1.			DATA VOLTO	400		
											DATA VOLTS:	460	l	
					CER	TIFICAT	ION DATA	SHEE	Т					
CUSTOME	CUSTOMER:							CUST	OMER P.O. #:					
ORDER#:							F	REFEREN	CE MODEL #:	286TTFNA	6580			
CONN. DIA		A-EE7300							CAT #:		E695			
OUTLINE:		B-SS31105			_			CUSTO	MER PART #:					
WINDING:			286654	NONE	5				MOUNTING:	F1/F2 CAP	ABLE			
SPEED: TYPICAL MOTOR PERFORMANCE DATA														
HP	KW	SYNC RPM		FL RPM		FRAME		ENCLOSURE		TYPE	KVA CODE		DESIGN	
20	14.9	12	200	1175		2	286T		TEFC		G		В	
		11.0				l.								
PH	HZ	VOI	LTS	AMPS START TYPE		DUTY		INSL	S.F.	AMB	ELEV.			
3	60	57	75	21.			RINVERTER		CONT	F	1.15	40	3300	
					· · · · ·							· · · · ·		
	F.L. EFF	91.7		3/4 LD EFF	91.7		1/2 LD EFF	91.7	GTD EFF		ELECT. T			
	F.L. PF	76.0	l	3/4 LD PF	70.5		1/2 LD PF	59.5	91.0	1	SQ CAGE IN	/ KATED		
FI T	ORQUE	, ,	R AMPS @	460 V		L.R. TORQ	MIE	B.D. TORQUE			F.L. RISE	(° C)		
89.0	LB-FT	LI	116	400 V	157	LB-FT 176%		238	LB-FT	267%	60	(C)		
00.0							17070			20170	00			
@3	B FT.	POWER		ROTOR	ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		MOTOR WGT	
56	dBA	65	dBA	4.8	LB-FT ²	350	LB-FT ²	20	SEC.		2	550	LB.	
				`										
		ODE DE	ACKET	MOUNT		PLEMEN TOR	ITAL INFOR			DRIP	1			
DE BRACKET TYPE TYPE			TYPE ORIENT				HAZARDOUS LOCATION		COVER			INT		
STAN	IDARD	STAN	DARD	RIGID			UM SEVERE			NO	NONE	BLUE (EPOXY)		
	RINGS	GRE	ASE	SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT	MATERIAL	FRAME N	IATERIAL	
DE	ODE													
6311	BALL 6210	POLYF	REX EM	Т		N	IONE	١	NONE 10		1045 HOT ROLLED (C-204		CAST IRON	
0311	0210	 												
THERM	OSTATS	PROTE	CTORS	WDG B	WDG RTD's BRG RTD's		THERMISTORS C		_		ACE TERS			
	ONE		OT T		NONE NONE		NONE		FALSE		NA NA			
	L.													
R1 (ohms/ph) R2 (ohms/ph)		ms/ph)	X1 (ohms/ph) X		X2 (o	hms/ph)	Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
0.366 0.386		1.956 1.989		.989	3	0.021	0.080		ODE					
*														
N									INVERTER	TORQUE:	CONSTANT 20:	1		
0									INV. HP SPEE	D RANGE:	1.5 X BASE SPI	EED		
Т														
E									ENCODER:	NONE				
S									NONE			NONE	DDD	
									NONE BRAKE:	NONE		NONE	PPK	
DDEDADED DV. EADI DADDITTO									NONE	=				
PREPARED BY: EARL BABBITTS DATE: 13-07-17						NONE NONE FT-LB: NA								
						VOLTAGE: NONE HZ:								
FORM: 3531 REV_4 2/27/06						UL: V-INS, CONST UL REC								

