PRODUCT INFORMATION PACKET



Model No: 284TTFC6031
Catalog No: E800A
25 HP General Purpose Motor, 3 phase, 1800 RPM, 575 V, 284T Frame, TEFC

General Purpose Motors



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Nameplate Specifications

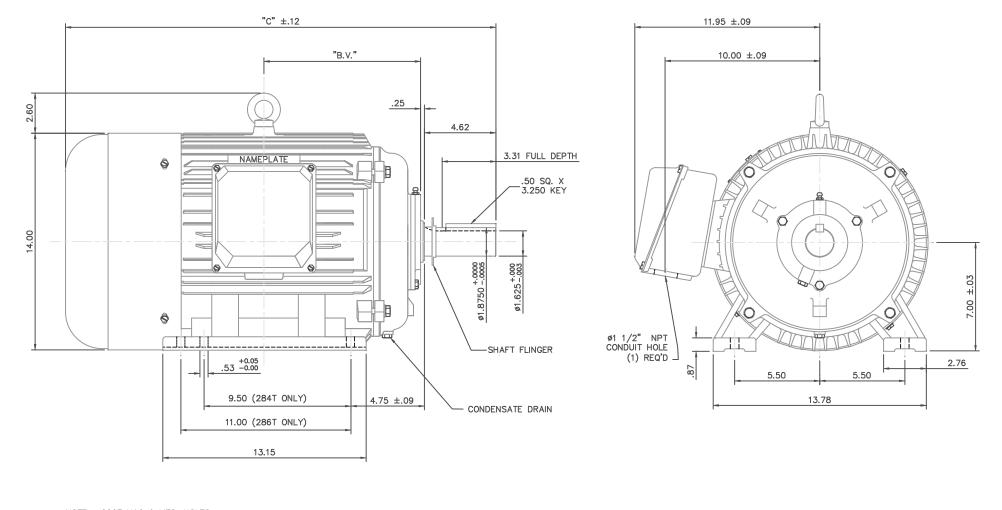
Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	575 V
Current	23.0 A	Speed	1782 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	Н
Frame	284T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6311	Opp Drive End Bearing Size	6309
UL	Recognized	CSA	Υ
CE	Υ	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Mounting	Rigid Base	Motor Orientation	Horizontal
Drive End Bearing	Ball	Opp Drive End Bearing	Ball
Frame Material	Cast Iron	Shaft Type	Т
Overall Length	26.26 in	Shaft Diameter	1.875 in
Shaft Extension	4.62 in	Assembly/Box Mounting	F1/F2 Capable
Outline Drawing	16953960LN-284T	Connection Drawing	00519001ME

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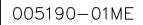


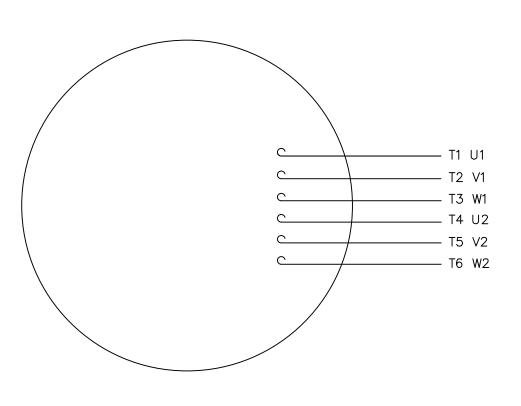


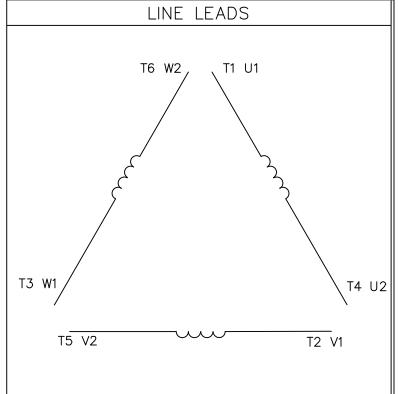
NOTE: 286T HAS 6 MTG. HOLES, USING 284T AND 286T LOCATIONS

FRAME DESIGN	"C"	"BV"
284T	26.26	9.65
286T	27.83	10.43

					UNL	OLE ESS	RANCES SPECIFIED		//Imealm			DRAWN CJK	07/016/
					DEC		INCHES		WOTORS			СНК	
					.x		±.1					APPD	
					.xx	Т	±.03	TITLE	OUTLINE-280T FRAME, TEFC-RIGID			SCALE	1=4
02	REDRAWN TO CURRENT CAD STANDARDS	CJK	11/1/	01	.xxx	<u>(</u>	±.005	NEW CONDUIT BOX				REF	
01	ADDED HOLE FOR 286T BASE	JJK	07/13/	9	.xxx	α	±.0005	MAT'L. CAST IRON			FMF		
NO.	REVISION		BY & DATE	CHF	ANG	G	±1/2°	FINISH	H			PREV	
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT								CAD FILE	16953960LN	SIZE	DRAWING NO		RE
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT — DO NOT SCALE THIS PRINT										B	1695	39-60L	N 0.







	L1	L2	L3	JOIN		
START	T1	T2	T3	(T4,T5,T6)		
(WYE)	U1	V1	U2	(U2,V2,W2)		
RUN	(T1,T6)	(T2,T4)	(T3,T5)			
(DELTA)	(U1,W2)	(V1,U2)	(W1,V2)			

				TOL UNLES	ERANCES S SPECIFIED						DRAWN	PG 05/07	7/82
				DEC.	INCHES] (((()))			<u>الب</u>		СНК		
				.x	±.1						APPD 1	TEM 05/07	′/82
03	ADDED IEC DESIGNATIONS	MOL 04/27/12		.xx	±.01	TITLE	EXTERN	NAL WIRING DIA	GRAM		SCALE	1=1	
02	REMOVED OBSOLETE STATUS	KJH 06/28/99		.xxx	±.005	STAR START — DELTA RUN				l	REF		
01	REDRAWN ON CAD	DBT 05/30/97		.xxxx	±.0005	MAT'L. Y-C	ONNECTED S	START — DELTA C	ONNEC	TED RUN	FMF		
NO.	REVISION	BY & DATE	снк	ANG	±1/2°	FINISH	SIN	IGLE VOLTAGE			PREV		
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P.O. BOX 8003 WAUSAU, WI 54401-8003 PH. 715-675-3311

							elect	ric							
											DATA VOLTS:	460			
					CER	TIFICAT	ION DATA	SHEE	T						
CUSTOME	R:							CUSTOMER P.O. #:							
ORDER #:							F	REFERENCE MODEL #: 284TTFC6031							
CONN. DIA	GRAM:	5190.01ME	Ē					CAT #: E800A							
OUTLINE:		16953960L						CUSTOMER PART #:							
WINDING:			T14504005	NONE	4				MOUNTING:	F1/F2 CAP	ABLE				
SPEED:				TY	PICAL I	MOTOR	PERFORI	MANCE	DATA	1					
HP	KW	SYNC	RPM	FL R	PM	FI	RAME	ENC	LOSURE	TYPE	KVA CO	DE	DESIGN		
25	18.7	18	300	177	0	2	284T	-	TEFC	TFC	Н	А			
PH	HZ	VO	LTS	AMF	S	STAF	RT TYPE	1	DUTY	INSL	S.F.	AMB	ELEV.		
3	60		75	999	9		S THE LINE		CONT	F	1.15	40	3300		
					· · · · ·							· · · · ·			
	F.L. EFF	93.6		3/4 LD EFF	94.1		1/2 LD EFF	93.6	GTD EFF		ELECT. T				
	F.L. PF	PF 84.4 3/4 LD PF 80.0				1/2 LD PF	69.0	92.4		SQ CAGE IN	ID RUN				
EL TO	ORQUE	QUE LR AMPS @ 460 V				L.R. TORG	NIE I		B.D. TORQUI	=	F.L. RISE	(° C)			
	LB-FT		160	400 V	145	LB-FT	197%	225	LB-FT	306%	44	(0)			
											I				
	@ 3 FT. POWER ROTOR WK ²				MAX. L	MAX. LOAD WK ² SAFE STALL TIME			STAR	TS/HOUR		R WGT			
75	dBA	84	dBA	4.2	LB-FT ²	0	LB-FT ²	20	SEC.		2	394	LB.		
					*** SIID	DI EMEN	ITAL INFOR	MATION	I ***						
		ODE BF	RACKET	MOUNT		TOR	SEVERE		ARDOUS	DRIP					
DE BRAC	KET TYPE	TY				TATION	DUTY	LOCATION		COVER SCREENS		PA	INT		
STAN	DARD	STAN	IDARD	RIGID	HORIZ	ONTAL NO		NONE		NO NONE		BLUE (ENAMEL)			
READ	RINGS									1	I				
DE	ODE	GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		FRAME MATERIAL			
BALL	BALL	DOL VE		_		NONE		NONE		1045 HOT POLLED (C 204)		CASTIDON			
6311	6309	POLTE	REX EM	Т		IN IN	IONE	NONE		1045 HOT ROLLED (C-204)		CAST IRON			
				1		1	1			1					
THEDM	OSTATS	DDOTE	CTORS	WDG R	TD'e	DD(G RTD's	THE	RMISTORS		NTROL	_	ACE TERS		
	NE		OT	NON			IONE		NONE		ALSE	HEATERS NA			
						ı				ı					
•	ms/ph)		ms/ph)	X1 (ohm	ıs/ph)	X2 (o	hms/ph)	Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT			
	0		0	0			0		0	(0.150	OI	DE		
*															
N									INVERTER	TORQUE:	NONE				
0									INV. HP SPEE	D RANGE:	NONE				
Т															
	E								ENCODER:	NONE					
S *									NONE NONE			NONE	DDD		
									BRAKE:	NONE		NONE	rrn		
PREP	ARED BY:	EARL BAR	BITTS						NOI		NONE	<u> </u>			
	DATE:		7-17						FT-LB:		NA				
									VOLTAGE:	N	IONE		HZ:		
FORM: 3531 REV_4 2/27/06						UL: V-INS, CONST UL REC									

