## **PRODUCT INFORMATION PACKET**

Model No: 284TTFNA16131 Catalog No: M897B 25 HP Vertical Solid Shaft P-Base Motor, 3 phase, 1800 RPM, 230/460 V, 284HPV Frame, TEFC Vertical Pump Motors



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Motors



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# marathon®

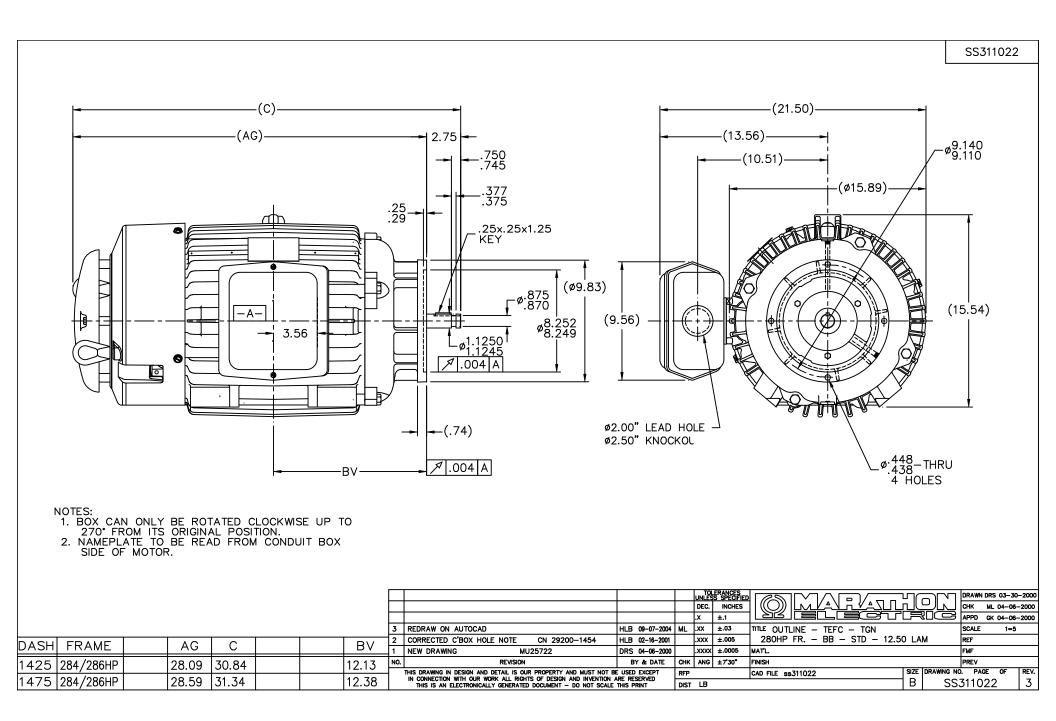
### Nameplate Specifications

Output HP	25 Hp	Output KW	18.7 kW
Frequency	60 Hz	Voltage	230/460 V
Current	62.0/31.0 A	Speed	1772 rpm
Service Factor	1.15	Phase	3
Efficiency	93.6 %	Power Factor	81
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	284HPV	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	Y
CE	Y	IP Code	43
Number of Speeds	1		

### **Technical Specifications**

Electrical Type	Squirrel Cage Induction Run	Starting Method	Across The Line
Poles	4	Rotation	Reversible
Resistance Main	.271 Ohms	Mounting	Round
Motor Orientation	Shaft Down	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	HP	Overall Length	30.84 in
Frame Length	14.25 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 CAPABLE
Connection Drawing	A-EE7308	Outline Drawing	B-SS311022-1425

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	(•) marathe								PH. 715-675					
					22		electi	ric -						
											DATA VOLTS:	460		
	CERTIFICATION DATA SHEET													
сизтом	ER:							CUSTO	MER P.O. #:					
ORDER #							R	REFERENCE MODEL #: 284TTFNA16131						
CONN. DIAGRAM: A-EE7308				CAT #: M897B CUSTOMER PART #:										
OUTLINE: WINDING:		B-SS311022-14	25 14161	NONE	9			CUSTON		F1/F2 CAPAE				
SPEED:		1120-	+4101	NONL	3				MOONTING.					
				T	YPICAL	мото	R PERFOR	RMANC	E DATA					
					-									
HP	KW	SYNC RPN	1	FL R	PM	FF	RAME	ENCLOSURE		TYPE	KVA CODE DES		DESIGN	
25	18.7	1800		177	2	28	4HPV	TEFC		TFN	G		В	
РН	HZ	VOLTS		AMF	PS .	STAF	RT TYPE	г	UTY	INSL	S.F.	AMB	ELEV.	
3	60	230/460		62/3		-	S THE LINE		ONT	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. TY			
L	F.L. PF	81.0		3/4 LD PF	76.0	1/2 LD PF		65.5	93.0		SQ CAGE INE	RUN	RUN	
	00005		0.0	400.14							( 8 0)			
F.L. TORQUE LR AMPS @   74.0 LB-FT 182		182	460 V 138		L.R. TORQ LB-FT	186%	B.D. TORQI 185 LB-FT		250%	60	. RISE (°C)			
74.0	LD-FI		102		130	LD-FI	100%	100		230%	60			
@:	@ 3 FT. POWER ROTOR WK <sup>2</sup>		WK <sup>2</sup>	MAX. LOAD WK <sup>2</sup> SAFE STALL TIMI		TALL TIME	STAR	STARTS/HOUR MOTO		R WGT				
65	dBA	74 <b>dBA</b>		4.2	LB-FT <sup>2</sup>	175	LB-FT <sup>2</sup>	50	SEC.		2	475	LB.	
				`	*** 01				AI +++					
		ODE BRACK	FT	MOUNT		TOR	NTAL INFO	-		DRIP	1			
DE BRAC	КЕТ ТҮРЕ	TYPE		TYPE	-	TATION	DUTY	LOCATION		COVER	SCREENS	PAINT		
P-E	BASE	STANDARI	D	ROUND	SHAFT	DOWN	NO	N	ONE	YES	NONE	BLUE (E	NAMEL)	
						r				r				
DE	RINGS ODE	GREASE		SHAFT	TYPE	SPEC	CIAL DE	DE SPECIAL ODE		SHAFT	MATERIAL	FRAME N	IATERIAL	
BALL	BALL													
6311	6210	POLYREX E	M	HF	)	NONE		N	ONE	1045 HOT ROLLED (C-204)		CAST	CAST IRON	
						1	I					QD/	ACE	
THERMOSTATS		PROTECTO	RS	WDG F	TD's	BRG	RTD's	THERMISTORS		CONTROL		HEATERS		
	ONE	NOT		NON	١E	NONE		NONE		FALSE		NA		
R1 (ohms/ph)		R2 (ohms/p	h)	X1 (ohms/ph)		X2 (ohms/ph)		Xm (ohms/ph)		VIBRATION (in/sec)		FLOAT ODE		
0.	181	0.157		0.84	+0	1 1	.085	19.775		0	.150	0	DE	
*														
N									INVERT	ER TORQUE:	NONE			
0									INV. HP SP	EED RANGE:	NONE			
т														
E							ENCODER: NONE							
S						NONE NONE PPR				PPR				
									BRAKE:	NONE		NONE		
PREPARED BY: FAREEDA DUDEKULA					NONE NONE									
DATE: 9/11/2018						FT-LB: NA								
				VOLTAGE: NONE HZ:										
FORM: 3531 REV_4 2/27/06						UL: V-INS, CONST UL REC								

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