PRODUCT INFORMATION PACKET



Model No: 112MTFC4537
Catalog No: R425
5.5 HP General Purpose, 3 phase, 1800 RPM, 575 V, 112M Frame, TEFC
Cast Iron Motors



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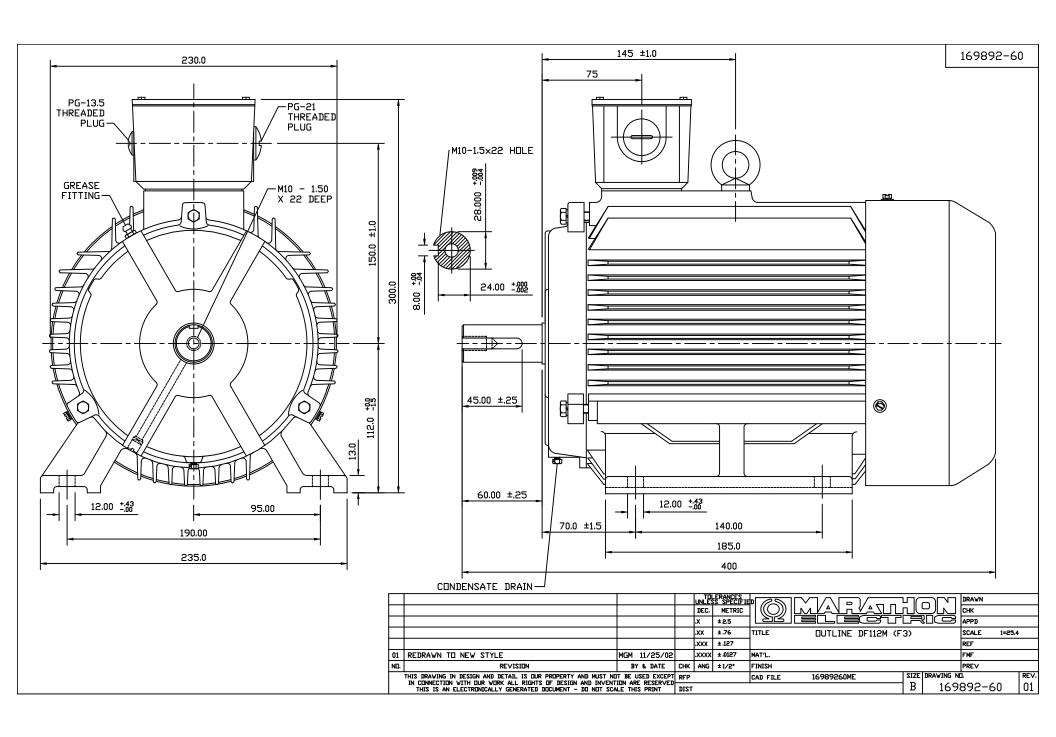
Nameplate Specifications

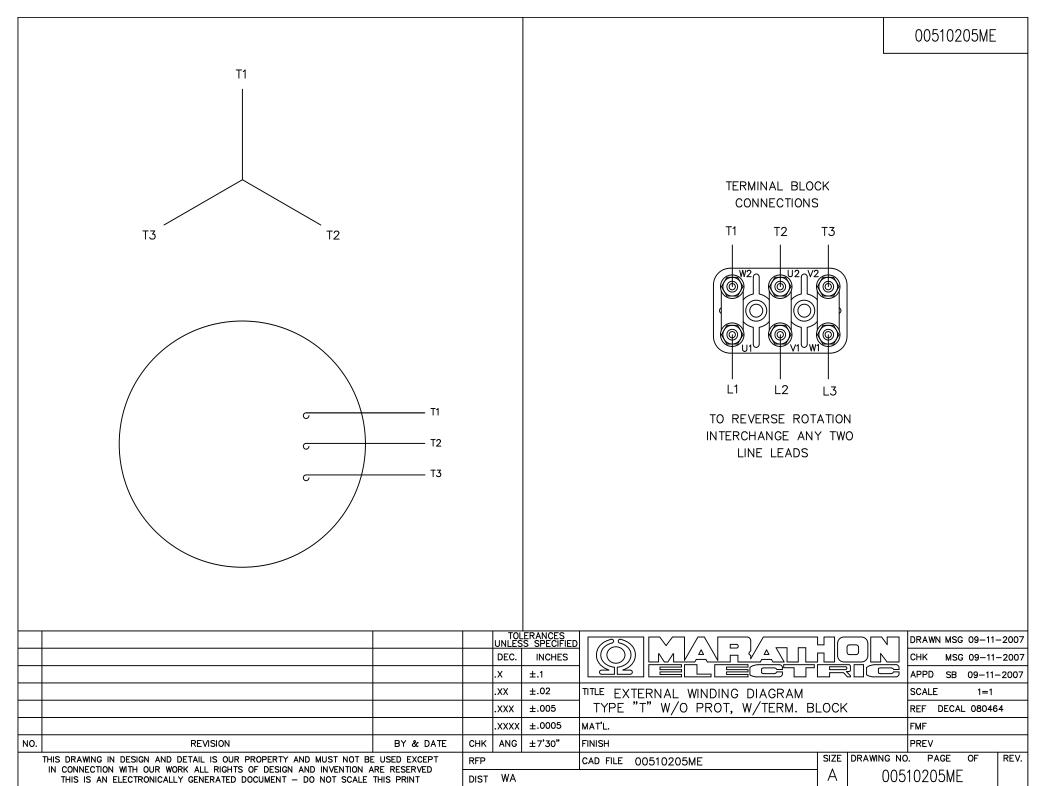
Output HP	5.50 Hp	Output KW	4.1 kW		
Frequency	60 Hz	Voltage	575 V		
Current	6.0 A	Speed	1761 rpm		
Service Factor	1.15	Phase	3		
Efficiency	87.6 %	Power Factor	77.3		
Duty	Continuous	Insulation Class	F		
Design Code	В	KVA Code	J		
Frame	112M	Enclosure	Totally Enclosed Fan Cooled		
Thermal Protection	No	Ambient Temperature	40 °C		
Drive End Bearing Size	6306	Opp Drive End Bearing Size	6306		
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		
Mounting	Rigid Base	Motor Orientation	Horizontal		
Drive End Bearing	Ball	Opp Drive End Bearing	Ball		
Frame Material	Cast Iron	Shaft Type	IEC		
Overall Length	15.74 in	Shaft Diameter	1.111 in		
Shaft Extension	2.36 in	Assembly/Box Mounting	F3		
Outline Drawing	16989260ME	Connection Drawing	00510205ME		

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							elect	ric						
<u>'</u>										DATA VOLTS:	460			
					CER	TIFICAT	ION DATA	A SHEE	Т					
CUSTOME	ER:							CUSTO	OMER P.O. #:					
ORDER#	:				REFERENCE MODEL #:					112MTFC4	1537		=	
CONN. DI	AGRAM:	00510205	ME		•				CAT #:		R425		_	
OUTLINE:		16989260						CUSTO	MER PART #:					
WINDING:	:		T08704008	FR.	4				MOUNTING:	F3				
SPEED:		_		ТУ	PICAL I	MOTOR	PERFOR	MANCE	DATA					
НР	KW	SYNO	C RPM	FLR				ENCLOSURE		TYPE	KVA CODE		DESIGN	
5.5	4.1	18	300	176	1761		112M TEFC		TFC	TFC J		В		
0.0	7.1	1000		1,01		£1VI		1110						
PH	HZ	VO	LTS	AM	PS	STAF	RT TYPE	DUTY		INSL	S.F.	AMB	ELEV.	
3	60	5	75	g Group Reference Volta		LINE OR INVERTER		CONT		F	1.15	40	3300	
	F. FFF	07.0		0/410 555	07.4	ı	4/0 L D EEE	05.4	070 555	1	EL EQT :			
	F.L. EFF		-	3/4 LD EFF 3/4 LD PF	87.1 71.3		1/2 LD EFF 1/2 LD PF	85.4	GTD EFF 0.0		SQ CAGE IN			
	F.L. PF	11.3	1	3/4 LD PF	/1.3		I/2 LD PF	56.1	0.0		SQ CAGE IN	V RAIED		
F.L. T	ORQUE	П	R AMPS @	460 V		L.R. TORQ	UF	B.D. TORQUI		F	F.L. RISE	(°C)	(°C)	
15.5	LB-FT		44.3	100 1	38.0	LB-FT	245%	44.6	LB-FT	288%	62			
		•									•	•	-	
@ 3 FT.		POWER		ROTOR WK ²		MAX. LOAD WK ²		SAFE STALL TIME		STARTS/HOUR		МОТО	OR WGT	
999	dBA	1008	dBA	0.00 LB-FT ² 0 LB-FT ² 0		SEC.		0		LB.				
					*** SUP	PLEMEN	TAL INFOR	MATION	***					
		1	RACKET	MOUNT	MO	TOR	SEVERE	HAZ	ARDOUS	DRIP				
	KET TYPE		PE	TYPE				SCREENS	PAINT					
SIAN	STANDARD STANDARD		IDARD	RIGID	RIGID HORIZ		ZONTAL NO		NONE		NO NONE		BLUE (ENAMEL)	
BEA	RINGS	CDE	GREASE SHAFT		TTVDE		SPECIAL DE		SPECIAL ODE		MATERIAL	FRAME MATERIAL		
DE	ODE	GREASE		SHAFT TYPE		SPECIAL DE		SPECIAL ODE		SHAFT MATERIAL		. FRANCINALERIAL		
BALL	BALL	POLYE	POLYREX EM STA		STANDARD IEC		NONE		NONE		1045 HOT ROLLED (C-204		CAST IRON	
6306	6306	. 02		017.11.07						1043 TIOT TIOLELD (O 204		0/101111014		
												SPACE		
	THERMOSTATS		CTORS	WDG F			RTD's	THERMISTORS NONE		CONTROL FALSE		HEATERS		
NC	ONE	IN	ОТ	NOI	NE	IN IN	IONE	IN.	IONE	, r	ALSE		NA	
R1 (ol	hms/ph)	R2 (oh	ıms/ph)	X1 (ohr	ns/ph)	X2 (o	hms/ph)	Xm (d	ohms/ph)	VIBRAT	TION (in/sec)	FL	.OAT	
0			0	0			0 0		0.150		C	ODE		
*														
N									INVERTER	TORQUE	CONSTANT 10)·1		
Ö					INV. HP SPEED RANGE: 1.5 X BASE SPEED									
Т														
E	E						ENCODER: NONE							
S					NONE									
*									NONE			NONE	PPR	
		EADL BAS	DITTO						BRAKE:			_		
PREF	PARED BY:								NO FT-LB :		NON NA	E		
DATE: 5/5/2017						VOLTAGE: NONE HZ:								
FORM: 3F	531 REV 1	2/27/06						111 -	V-INS CON		TOINE		112.	

