PRODUCT INFORMATION PACKET

Model No: 286THFNA19077 Catalog No: W556 20 HP Severe Duty Motor, 3 phase, 1200 RPM, 575 V, 286T Frame, TEFC Severe Duty Motors



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marathon® Motors



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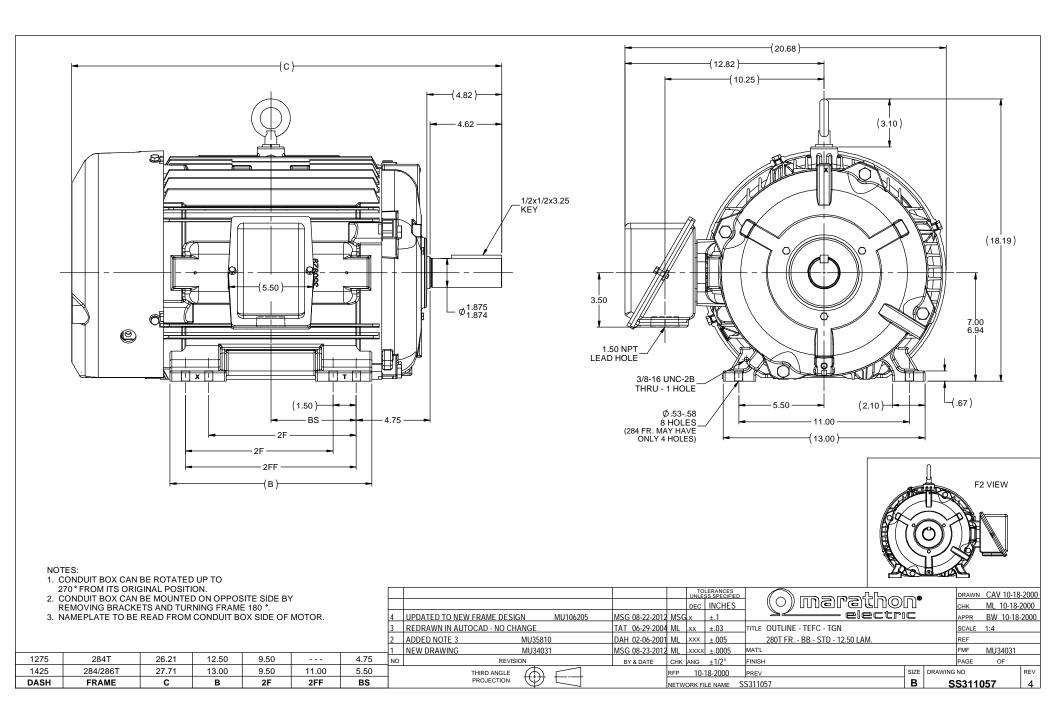
Nameplate Specifications

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	Y
CE	Y	IP Code	56
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

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CERTIFICATION DATA SHEET

Model#:	286THFNA19077 DD	WINDING#:	286654 NONE 5
CONN. DIAGRAM:	A-EE7300	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS311057-1425		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw		SYNC. RPM		F.L. F	RPM	FRAM	E	ENG	CLOSU	IRE	KVA CODE		DE	DESIGN	
20		14.9	9 120		1200		75	286T			TEFC			G		В	
РН	Н	z	VOLTS	S F	L AMPS	STAR	RT TYPE	DUTY		INSL		S.	F	A	мв°С	ELEVATION	
3	6	0	575		21.5	LINE OR CONTINUOU F3			1.15			40	3300				
FULL LOAD EFF: 91.7 3/4 LOAD EFF		F: 91.7	91.7 1/2 LOAD EFF: 91.7		GTD. EFF			ELEC. TYPE			NO LOAD AMPS						
FULL LOAD	FULL LOAD PF: 76 3/4 LOAD PF: 70.5		F: 70.5	0.5 1/2 LOAD PF: 59.5			91		SQ C	AGE I	NV RATI	ED		10			
F.L. TO	RQUE		LOCKE	OCKED ROTOR AMPS		L.R. TC	ORQUE B.D. TOR		RQUE			F.L.	F.L. RISE°C				
89 LE	3-FT			116			157 LB-	' LB-FT 176 2		238 LB-FT 267			60				
SOUND PRESS @ 3 FT.	SURE	SOUN	D POWER	RC	TOR WK*	2	MAX.	MAX. WK^2 SAF		WK^2 SAFE STALL 1		TIME		START /HOUR		AP	PROX. MOTOR WGT
56 dBA		6	6 dBA	4.	8 LB-FT^2		350 LB-FT^2		FT^2 20 SEC.		2			550 LBS.			

*** SUPPLEMENTAL INFORMATION ***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	PREMIUM SEVERE DUTY	DIVISION 2 T2B	FALSE	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT	FRAME
DE	OPE					MATERIAL	MATERIAL
BALL	BALL	POLYREX EM	Т	NONE	NONE	1045 HOT	CAST IRON
6311	6210]				ROLLED (C-204)	

	THERMO-PF	ROTECTORS	THERMISTORS	CONTROL	SPACE /n HEATERS	
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

If Inverter equals NONE, contact factory for further

	information
*	INVERTER TORQUE: CONSTANT 10:1
Ν	INV. HP SPEED RANGE: NONE
0	ENCODER: NONE
Т	NONE NONE
E	NONE NONE PPR
S	
*	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

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