PRODUCT INFORMATION PACKET

Model No: 445THFN9106 Catalog No: W603 100 HP Severe Duty Motor, 3 phase, 900 RPM, 460 V, 445T Frame, TEFC Severe Duty Motors



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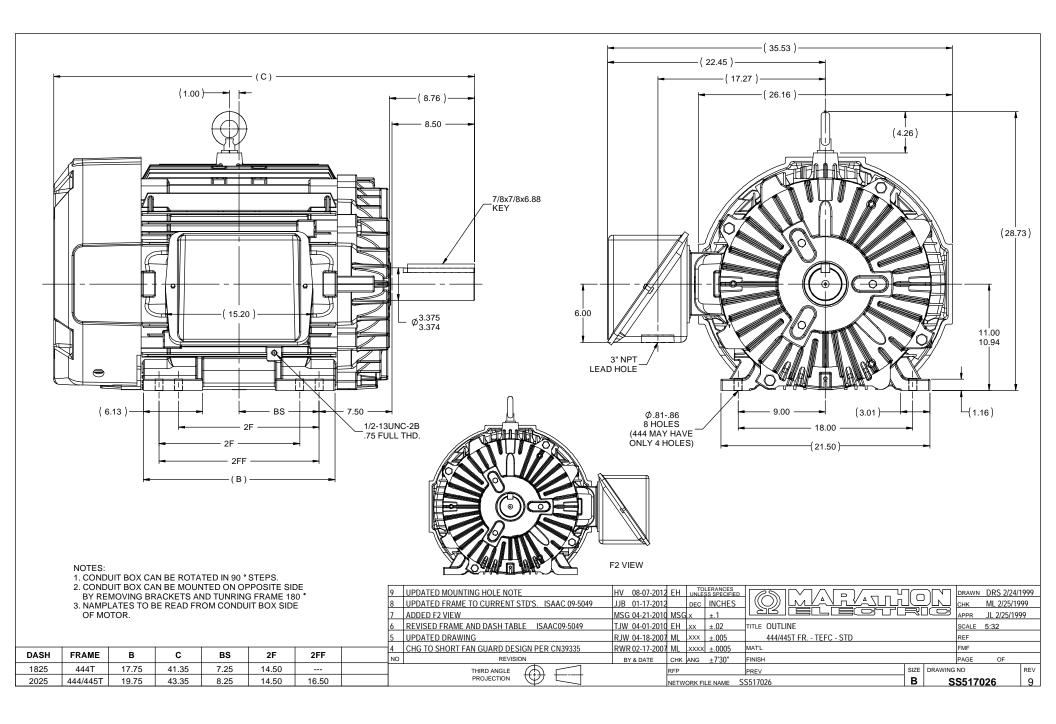
Nameplate Specifications

Output HP	100 Hp	Output KW	75.0 kW
Frequency	60 Hz	Voltage	460 V
Current	142.0 A	Speed	890 rpm
Service Factor	1.15	Phase	3
Efficiency	94.1 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	В	KVA Code	G
Frame	445T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6318	Opp Drive End Bearing Size	6316
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	8	Rotation	Reversible
Resistance Main	.0325 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	43.35 in
Frame Length	20.25 in	Shaft Diameter	3.375 in
Shaft Extension	8.76 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	CONSTANT 2:1		
Connection Drawing	A-EE7300	Outline Drawing	B-SS517026-2025

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CERTIFICATION DATA SHEET

Model#:	445THFN9106 BD	WINDING#:	T445833 NONE 8
CONN. DIAGRAM:	A-EE7300	ASSEMBLY:	F1/F2 CAPABLE
OUTLINE:	B-SS517026-2025		

TYPICAL MOTOR PERFORMANCE DATA

НР		ĸw		SYNC. R	РМ	F.L	RPM	FRAM	ΛE	EN	CLOSU	RE	KVA	COL	DE	DESIGN		
100		75		900	900		890	445TT		TEFC			G		В			
РН	H	z	VOLT	S F	L AMPS	ST	ART TYPE	DUTY		INSL		S.	F	Α	MB°C	ELEVATION		
3	60	0	460		142		INE OR VERTER	CONTINU S	OU	F1	F1 1		1.15		1.15		40	3300
FULL LOAD E	FULL LOAD EFF: 94.1 3/4 LOAD EFF:		FF: 94.1	4.1 1/2 LOAD EFF: 93.6		GTD. EFF		E	ELEC. TYPE]	NO LOAD AMPS						
FULL LOAD	PF: 70	3	3/4 LOAD I	PF: 67	1/2 L0	DAD	PF: 57	93.6 SQ CA		CAGE INV RATED			64.5					
F.L. TO	DRQUE		LOCKE	ED ROTOF	RAMPS		L.R. TORQUE B.D. TOP		D. TOR	QUE			F.L.	RISE°C				
590 L	B-FT			725			745 LB-	-FT 126 1400 LB-FT		1400 LB-FT 237			65					
SOUND PRES @ 3 FT.		SOUN		RO	TOR WK*	2	MAX.	WK^2 SAFE STALL 1		ALL TIME STARTS /HOUR		AP	PROX. MOTOR WGT					
72 dBA		8	2 dBA	80) LB-FT^2		- LB-I	FT^2 20 SEC.		-				2350 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
6318	6316					ROLLED (C-204)	

	THERMO-PF	OTECTORS	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 2:1
	INV. HP SPEED RANGE: NONE
0	ENCODER: NONE
1	NONE NONE
	NONE NONE PPR
S *	BRAKE: NONE NONE
	NONE P/N NONE
	NONE NONE
	NONE FT-LB NONE V NONE Hz

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