marathon®

General Purpose Motors

Model No: 444TTFCD6086
Catalog No: GT1047A

General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 444T Frame, TEFC

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Product Information Packet: Model No: 444TTFCD6086, Catalog No: GT1047A General Purpose Motor, 100 & 75 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 444T Frame, TEFC

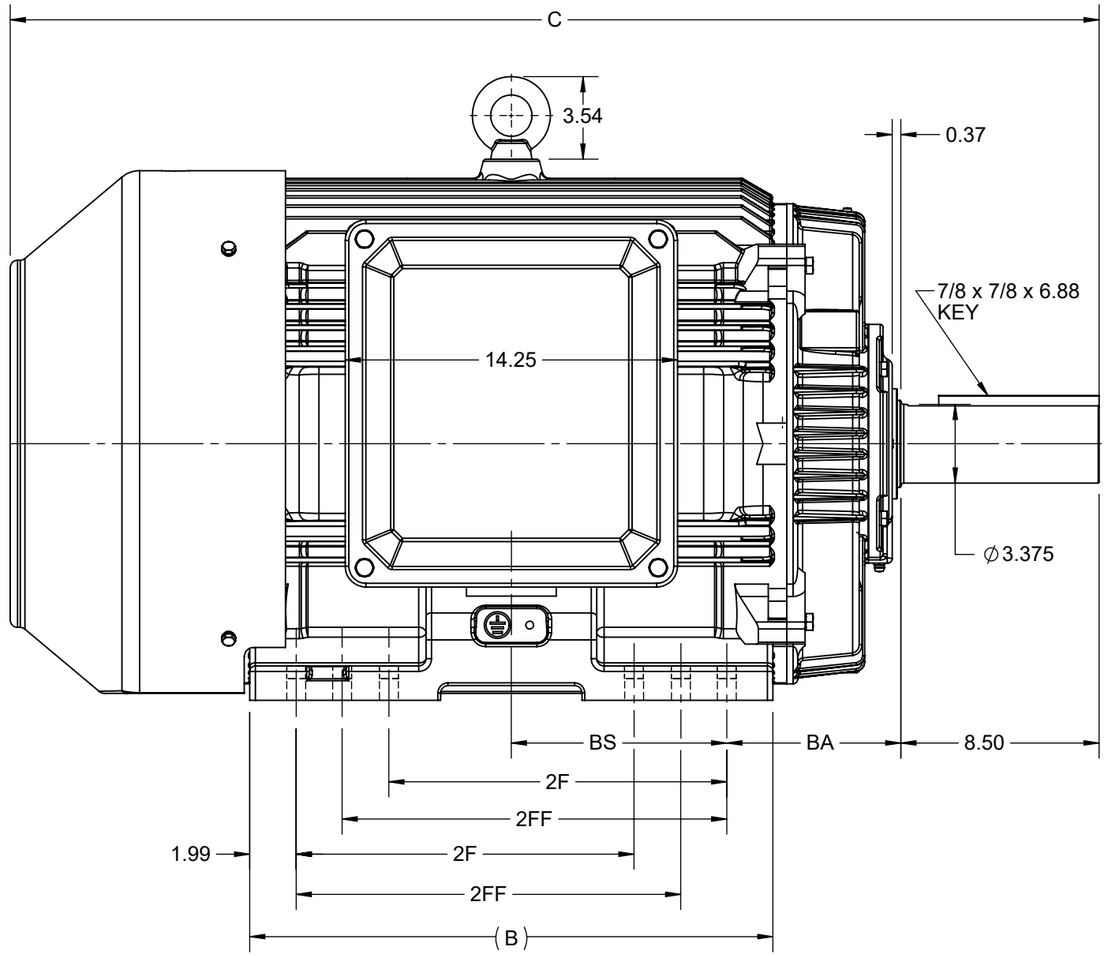
Nameplate Specifications			
Phase	**3**	Output HP	**100 & 75 Hp**
Output KW	**75.0 & 56.0 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1190 & 990 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**444T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95 & 95 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**229/115 & 209/105 A**
Power Factor	**86**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6319**
Opp Drive End Bearing Size	**6317**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

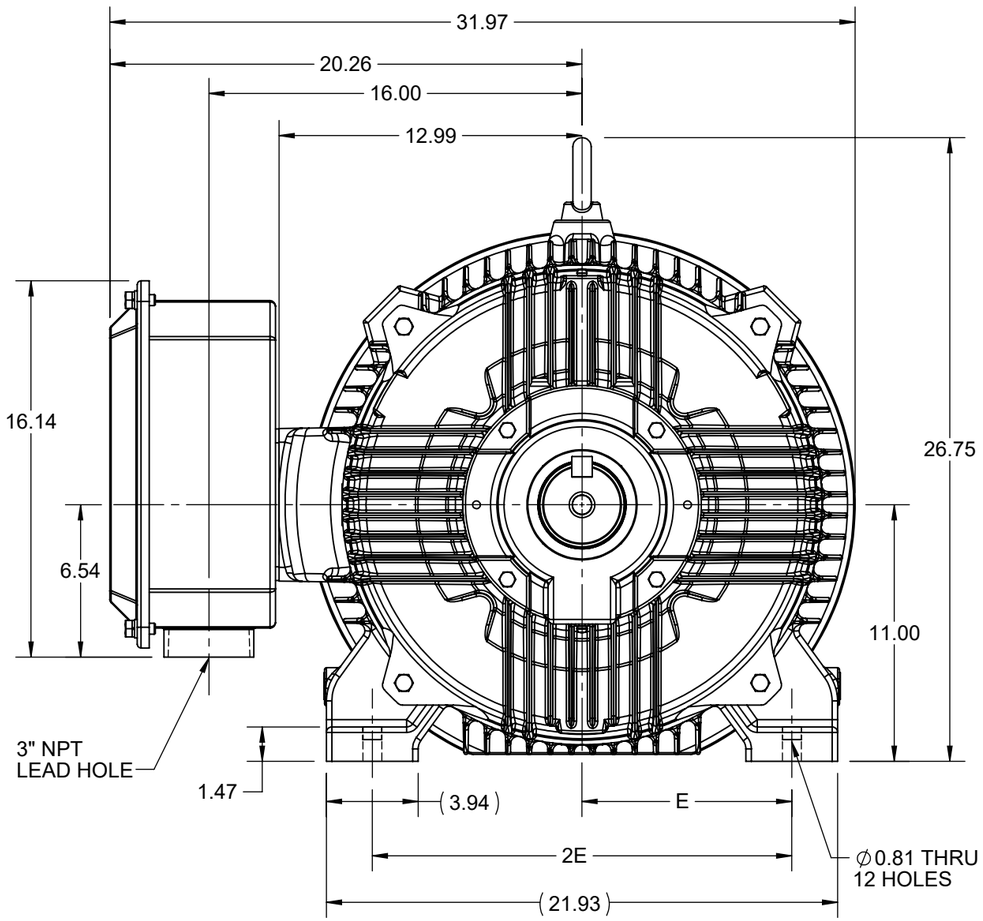
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**.0444 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**46.71 in**
Shaft Diameter	**3 3/8 in**	Shaft Extension	**8.5 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

Drawings			
Connection Drawing	**EE7308AA**	Outline Drawing	**SS557009**

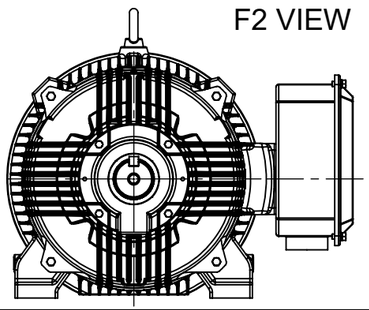
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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
22.44	46.71	9.00	18.00	14.50	16.50	7.50	9.24	F1 OR F2





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
F	SB	07/23/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/23/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY	NIV
DATE	25/03/2016
APPROVED BY	SBD
DATE	25/03/2016
REFERENCE	

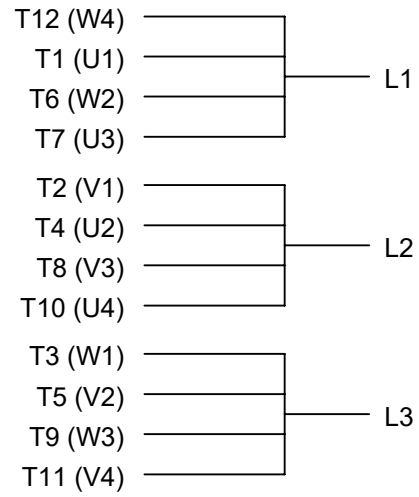
marathon™

DESCRIPTION
OUTLINE
444/445T FR-TEFC

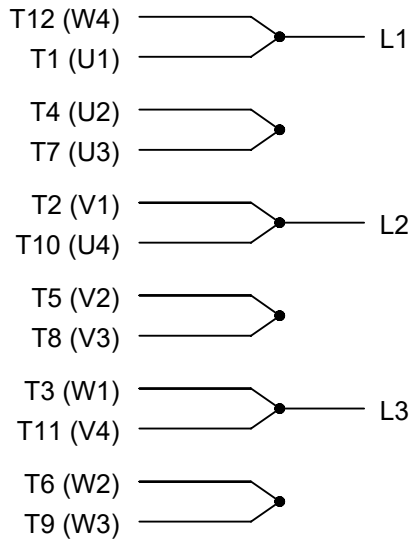
MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

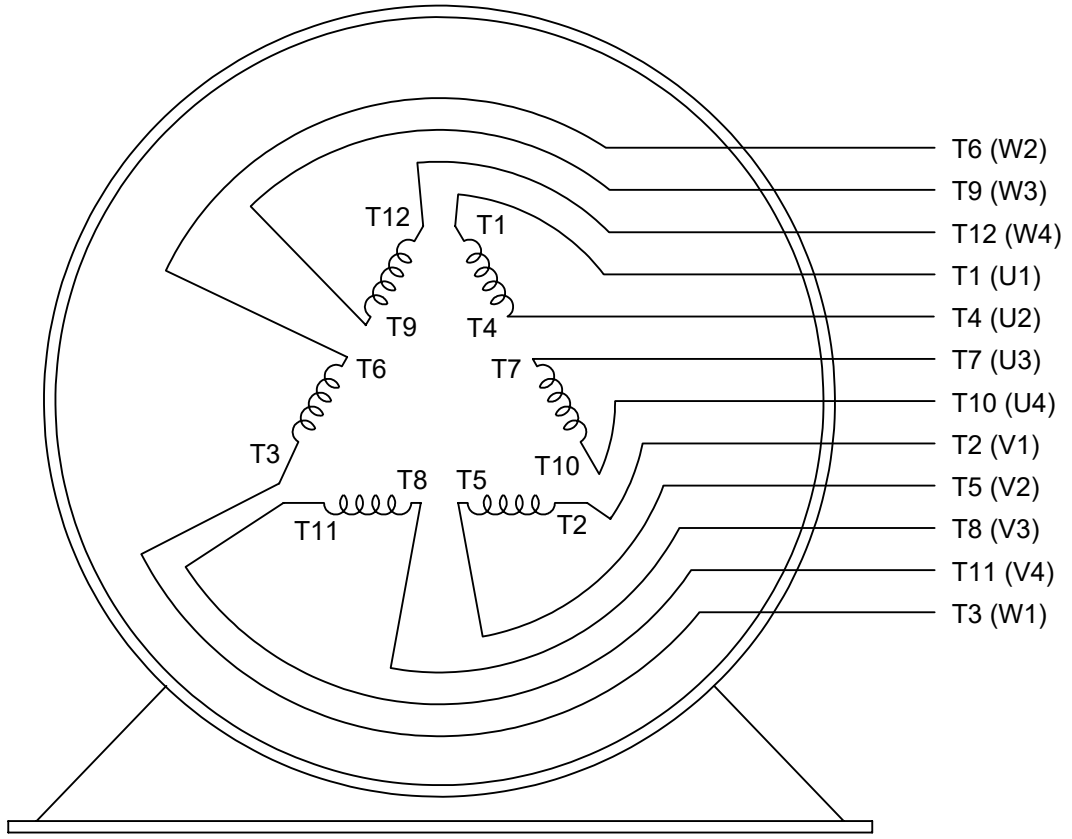
SIZE	DRAWING NUMBER	SHEET
B	SS557009	1 OF 1



LOW VOLTAGE



HIGH VOLTAGE



VIEW OF TERMINAL END

DRAWING REVISION: L	REVISION BY: SB	REV DATE/© DATE: 08/01/2025	PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY: LZ	marathon™
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025		DATE: 01-12-1994	
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED				APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL 3Ø-2/1 DELTA-12 LEADS
				DATE: 01-14-1994	
				REFERENCE	MATERIAL / PROCESS/FINISH
				THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7308AA / SHEET: 1 OF 1

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Data Sheet

Date: 12/12/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

444TTFCD6086

Submittal

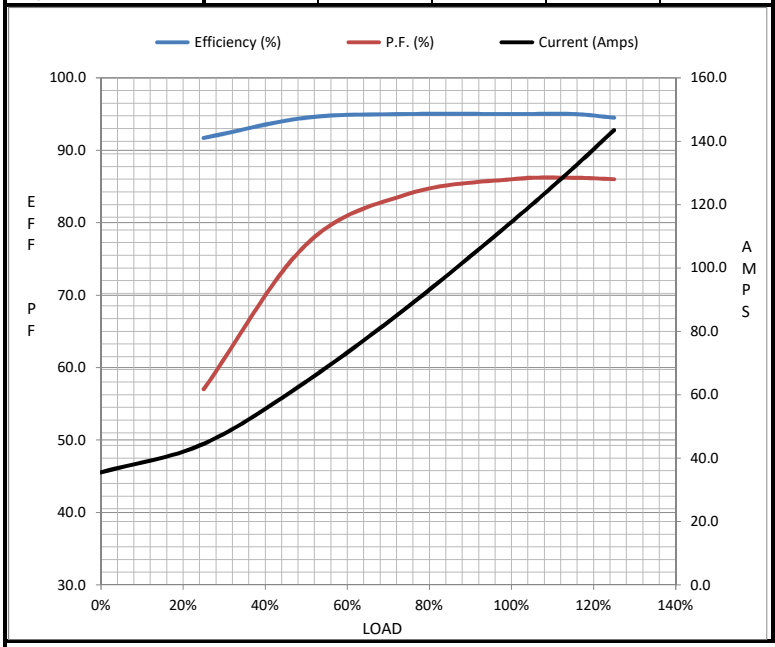
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	35.5	44.5	64.2	88.0	115	132	144	725	
Torque (ft-lb)	0.00	110	220	331	441	510	554	726	
RPM	1200	1198	1195	1192	1190	1,188	1186	0	
Efficiency (%)		91.7	94.5	95.0	95.0	95.0	94.5		
P.F. (%)	5.5	57.0	77.0	84.0	86.0	86.2	86.0	30.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	1160	1190	1200
Current (Amps)	725	580	380	115	35.5
Torque (ft-lb)	726	610	1,082	441	0.00



Information Block

HP	100.0
Sync. RPM	1200
Frame	444
Enclosure	TEFC
Construction	TFC
Voltage	230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	G
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	1,000 feet
Rotor/Shaft wk²	95.0 Lb-Ft²
Ref Wdg	HE32806005 NONE
Sound Pressure @ 1M	75 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS557009
Conn. Diag	EE7308AA
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0270	0.0200	0.2160	0.3490	7.3860

