marathon®

General Purpose Motors

Model No: 444TTFCD6044
Catalog No: GT1149A

General Purpose Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 444T Frame, TEFC

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Product Information Packet: Model No: 444TTFCD6044, Catalog No: GT1149A General Purpose Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 444T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 Hp**
Output KW	**93.0 kW**	Voltage	**575 V**
Speed	**1790 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**444T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**112.0 A**
Power Factor	**87.5**	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

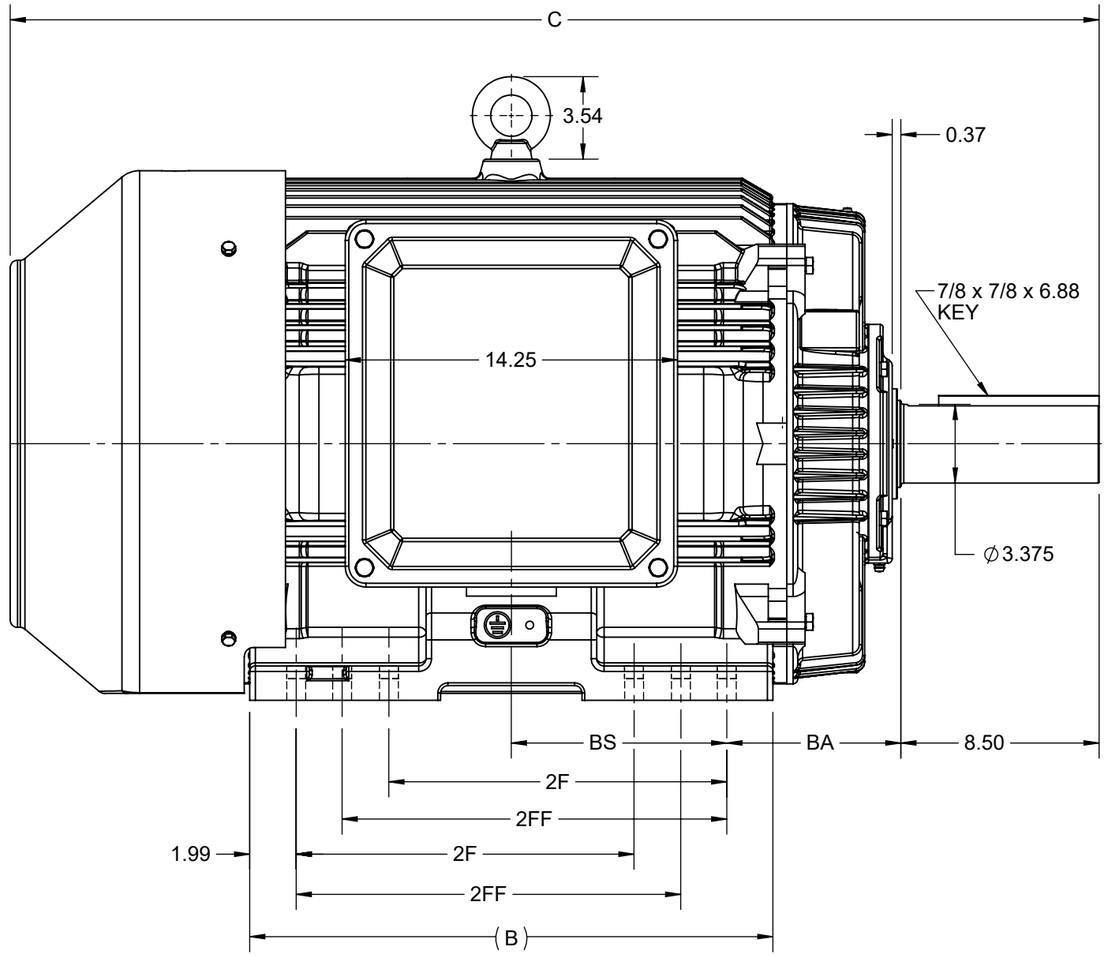
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0374 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**46.71 in**
Frame Length	**23.93 in**	Shaft Diameter	**3.375 in**
Shaft Extension	**8.5 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

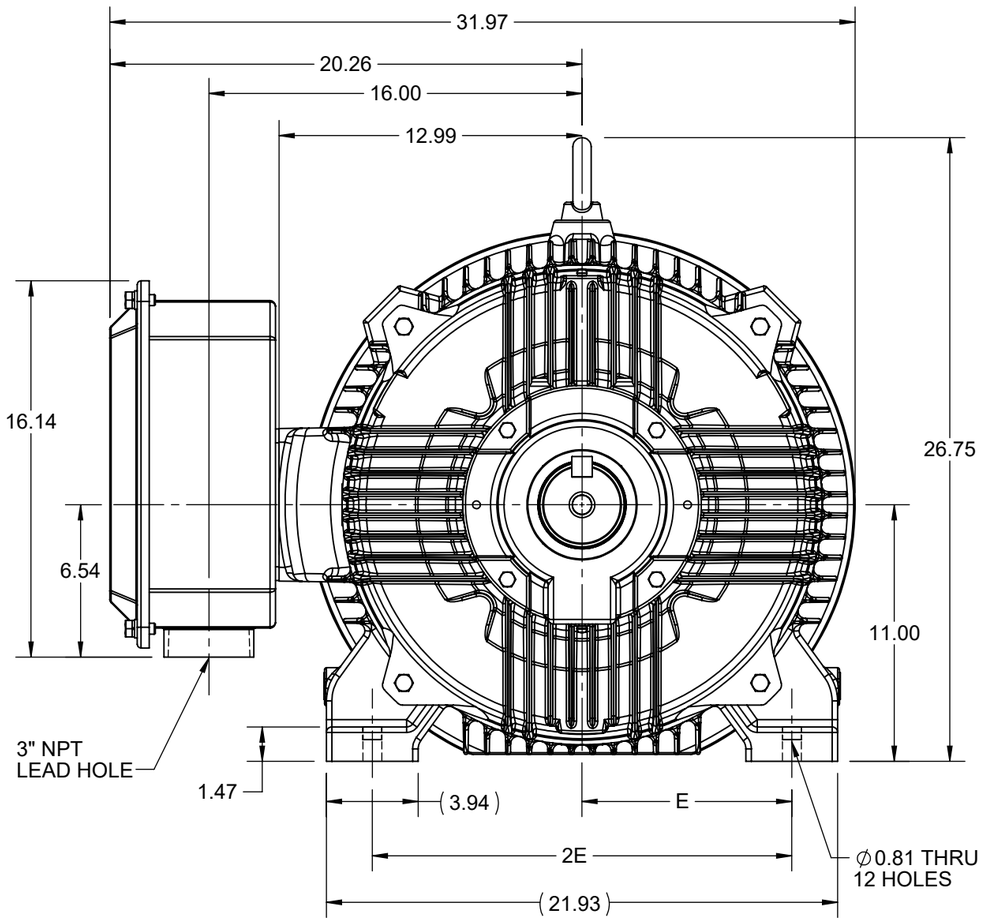
Drawings

Connection Drawing	**EE7300U**	Outline Drawing	**SS557009**

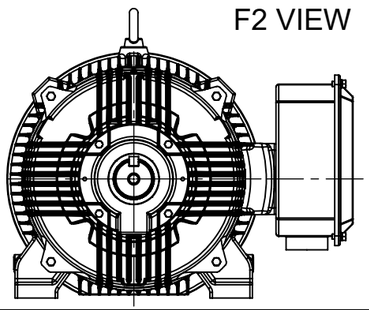
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 16/10/2026

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

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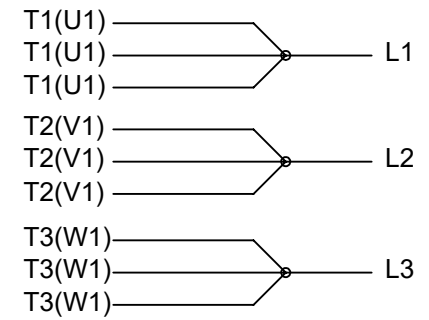
DESCRIPTION
OUTLINE
444/445T FR-TEFC

MATERIAL | PROCESS/FINISH

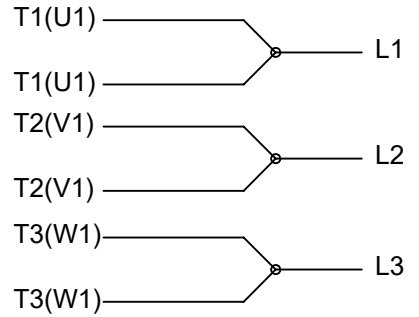
THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS557009	1 OF 1

IF MOTOR HAS 9 LEADS

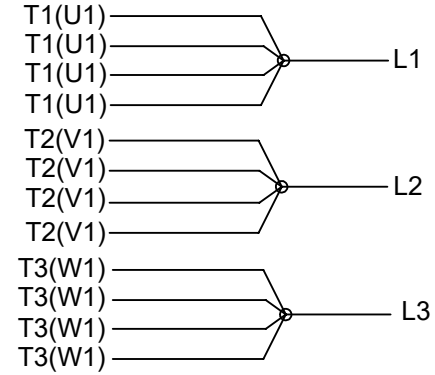


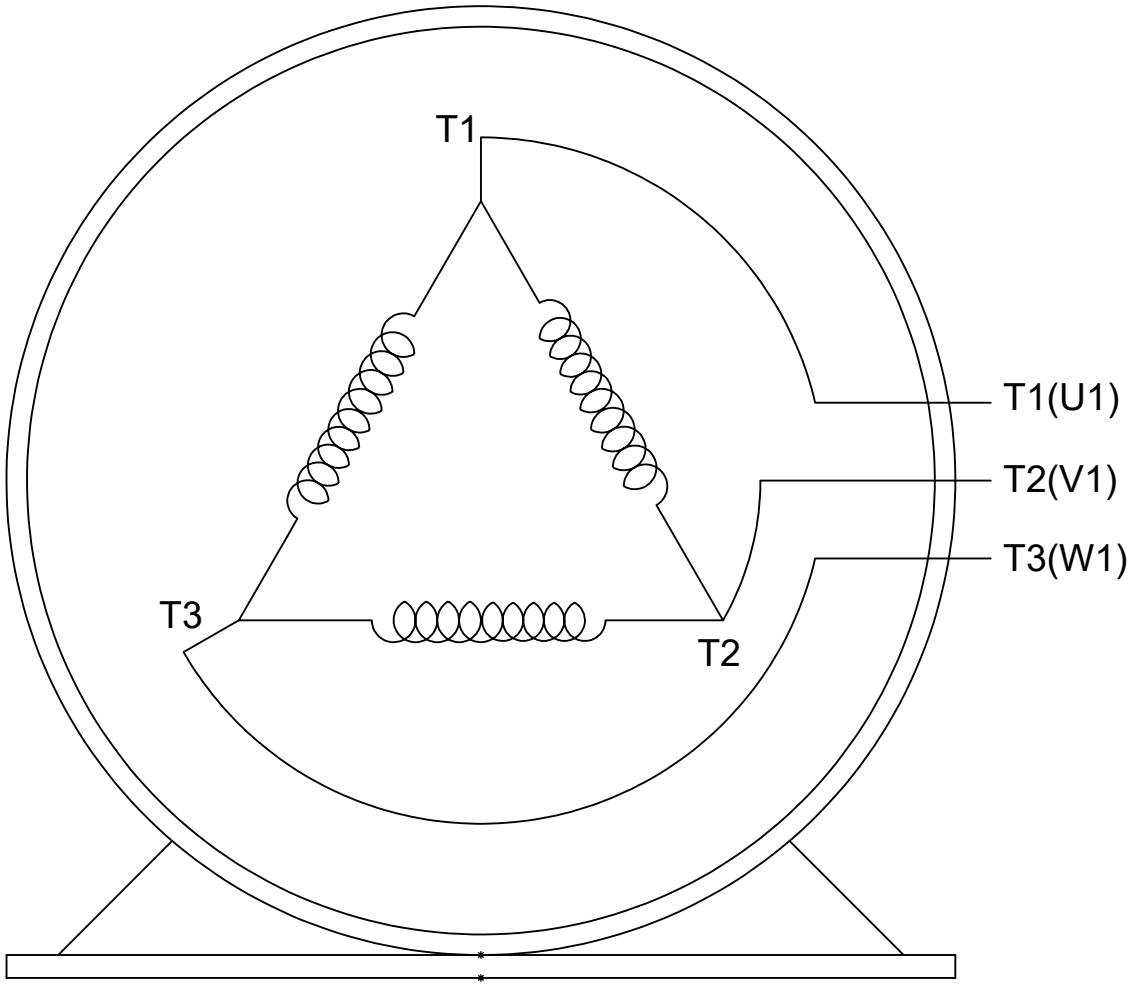
IF MOTOR HAS 6 LEADS



A-9806 DECAL IF CALLED FOR

IF MOTOR HAS 12 LEADS





VIEW OF TERMINAL END

DRAWING REVISION	REVISION BY	REV DATE/© DATE
M	SB	08/01/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023654	SBD	08/01/2025

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DATE	09-27-1996
APPROVED BY	GK
DATE	09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300U	1 OF 1

Data Sheet

Date: 5/3/2018
Customer:
Attention:
Submitted by: FAREEDA DUDEKULA

marathon® electric

444TTFCD6044

Submittal

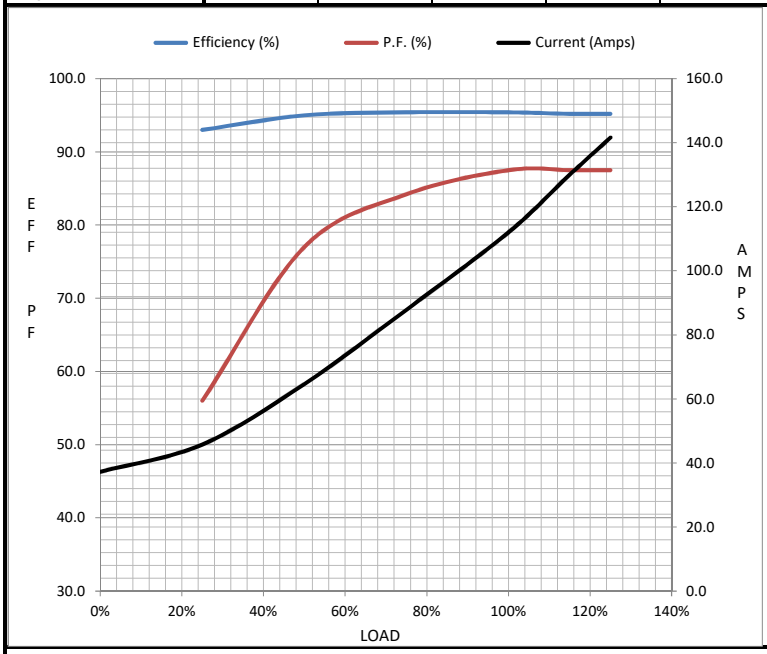
Data @ 575 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	37.2	45.8	64.6	87.8	112	130	142	724	
Torque (ft-lb)	0.00	91.5	183	275	367	423	460	679	
RPM	1800	1796	1794	1792	1790	1,788	1786	0	
Efficiency (%)		93.0	95.0	95.4	95.4	95.2	95.2		
P.F. (%)	5.0	56.0	77.0	84.2	87.5	87.5	87.5	36.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1755	1790	1800
Current (Amps)	724	576	408	112	37.2
Torque (ft-lb)	679	570	991	367	0.00



Information Block

HP	125.0	
Sync. RPM	1800	
Frame	444182TTFC6080	
Enclosure	TEFC	
Construction	TFC	
Voltage	575	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	60.0	Lb-Ft²
Ref Wdg	HE32804010 NONE	
Sound Pressure @ 1M	80	dBA
VFD Rating	VARIABLE 10:1	
Outline Dwg	SS557009	
Conn. Diag	EE7300	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.0350	0.0180	0.2380	0.4360	9.0450

Speed -Torque Curve

