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General Purpose Motors

Model No: 444TSTFCD6036
Catalog No: GT1064

General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444TS Frame, TEFC

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Product Information Packet: Model No: 444TSTFCD6036, Catalog No: GT1064 General Purpose Motor, 125 & 100 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 444TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 & 100 Hp**
Output KW	**93.0 & 75.0 kW**	Voltage	**460 & 380 V**
Speed	**1790 & 1490 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**444TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 & 95.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**140 & 136 A**
Power Factor	**87**	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

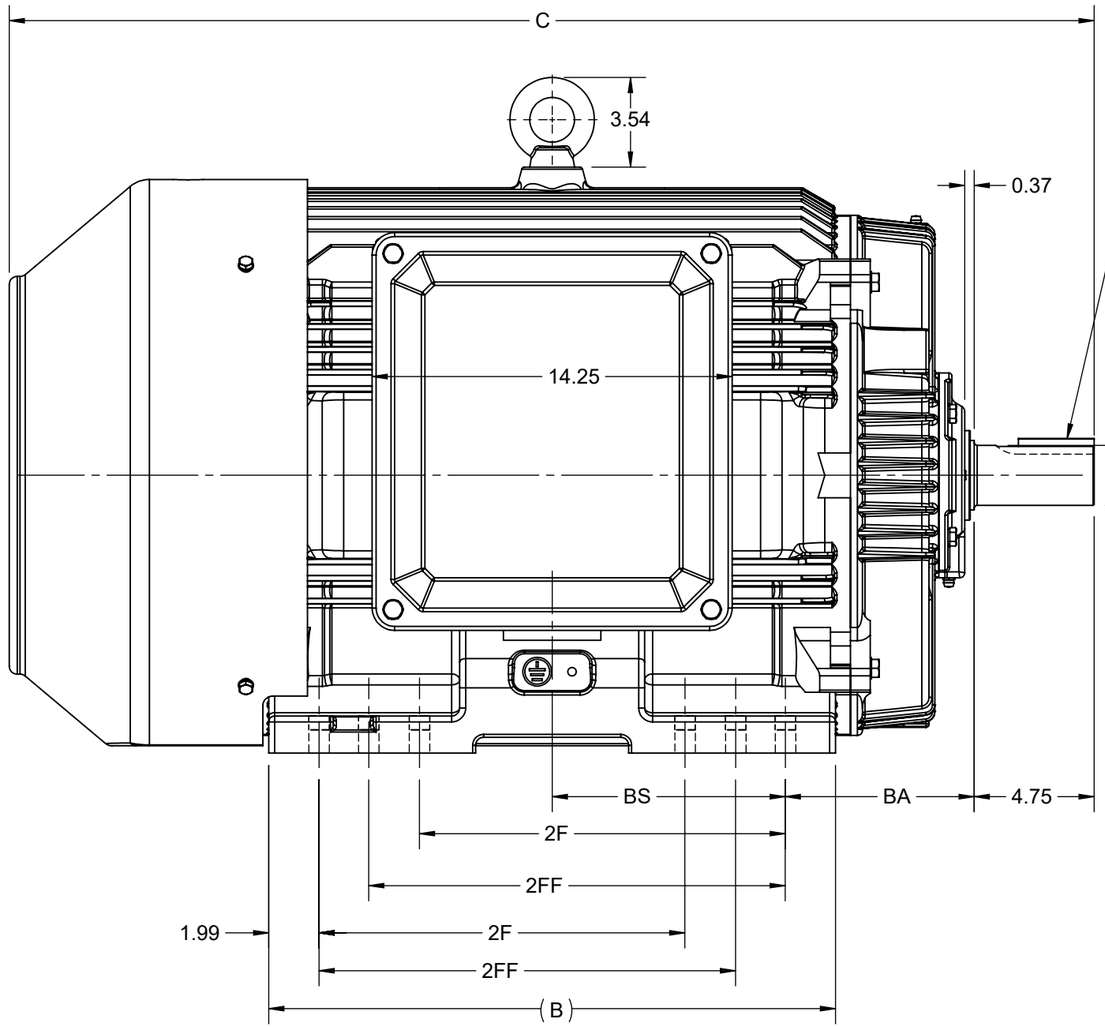
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0374 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Overall Length	**42.96 in**
Frame Length	**23.62 in**	Shaft Diameter	**2.375 in**
Shaft Extension	**4.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

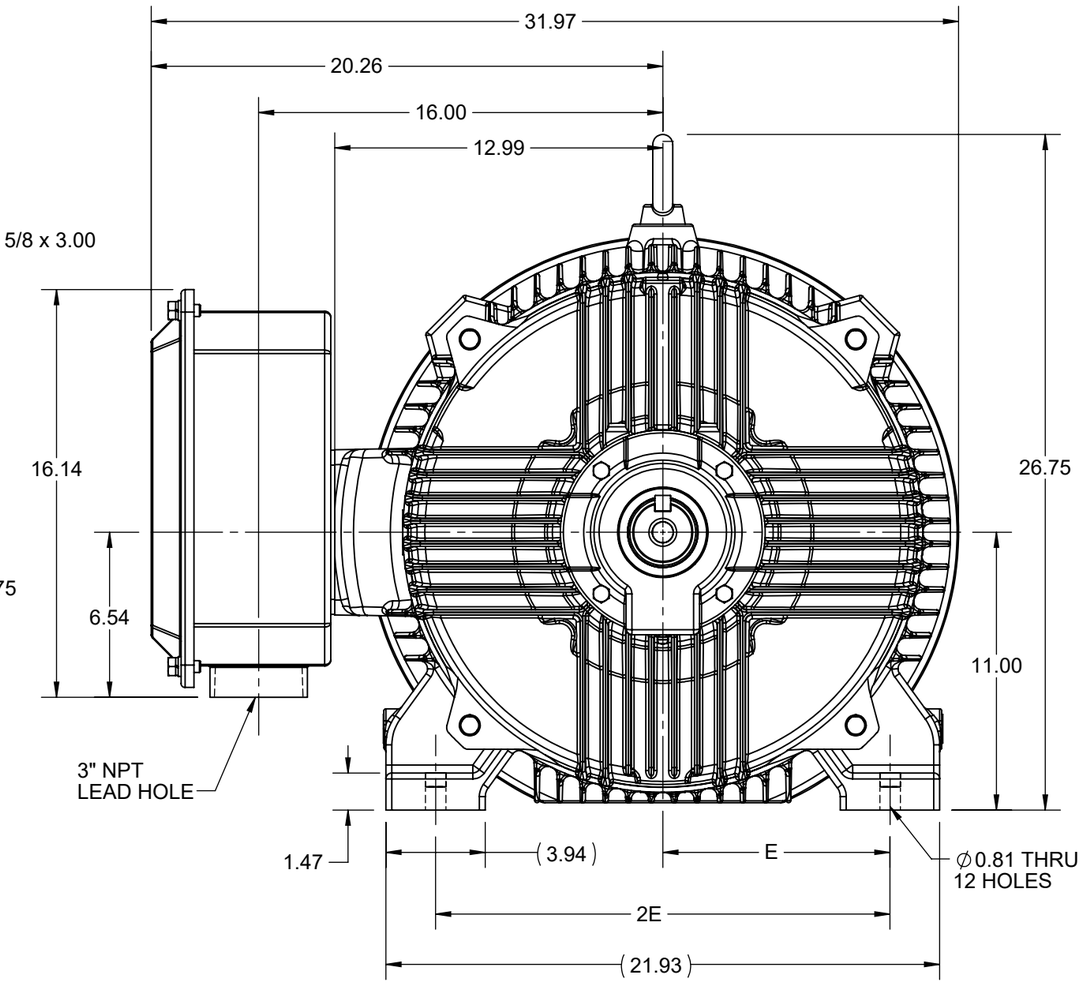
Drawings

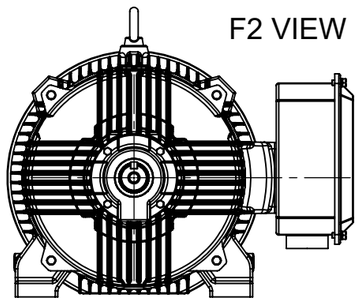
Connection Drawing	**EE7341C**	Outline Drawing	**SS557008**

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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
22.44	42.96	9.00	18.00	14.50	16.50	7.50	9.23	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
F	SB	08/20/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	08/20/2025

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DATE	29/03/2015
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DATE	29/03/2015
REFERENCE	

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DESCRIPTION
OUTLINE
444/445TS FR-TEFC

MATERIAL	PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS557008	1 OF 1

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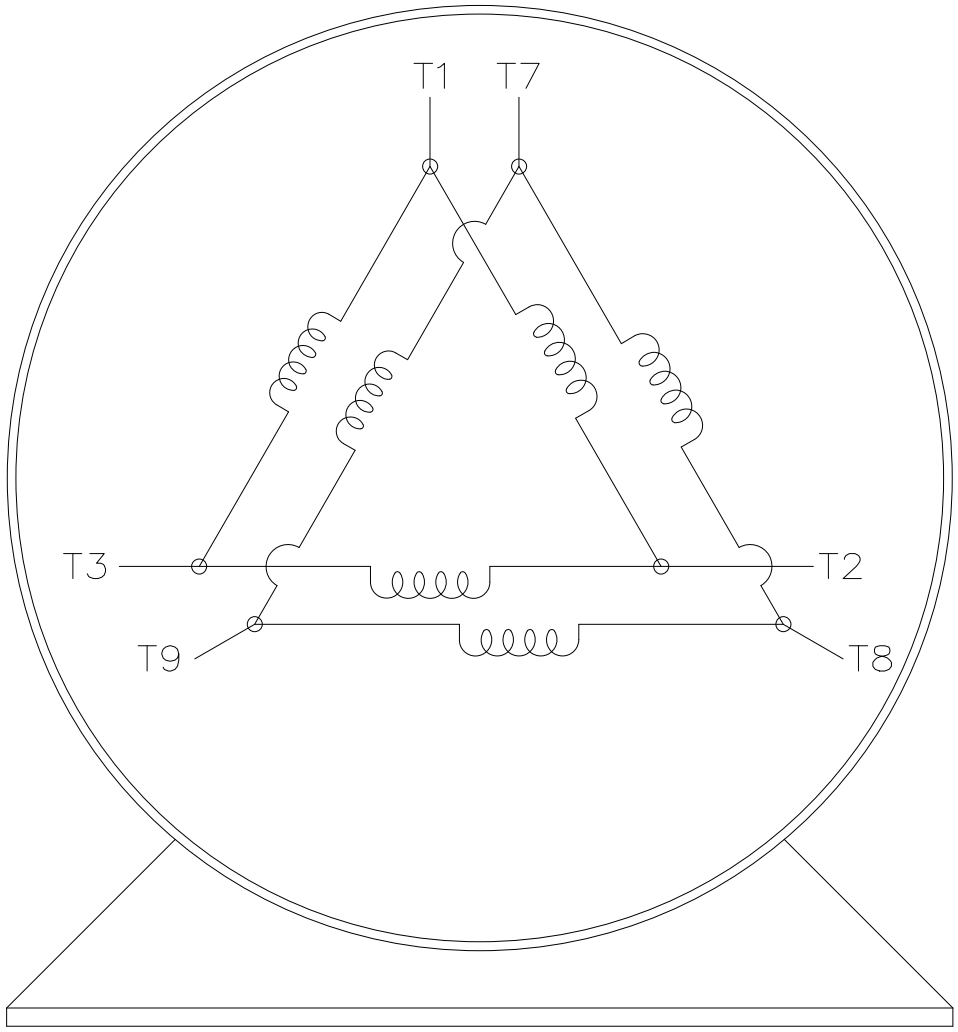
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7–T8–T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7–T8,T8–T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

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F	SB	08/01/2025
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DATE	03/09/1998
APPROVED BY	GK
DATE	03/23/1998
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø – 6 LEADS

MATERIAL	PROCESS/FINISH

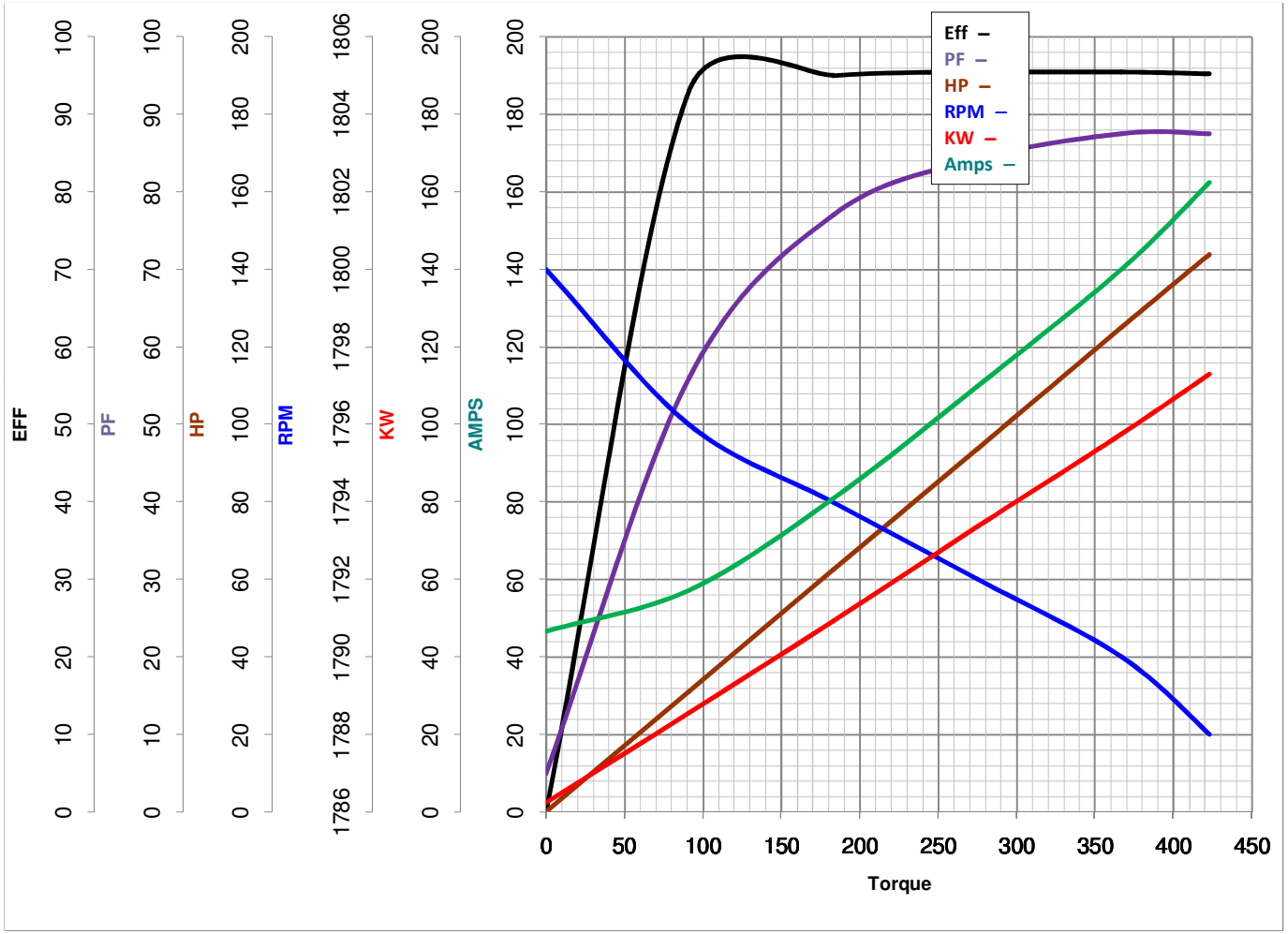
SIZE	DRAWING NUMBER	SHEET
A	EE7341C	1 OF 1

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	460	**Volts**	**HP** 125&100	**PHASE**	3
			60	**HZ**			
Model No	444TSTFCD6036		125	**HP**	**VOLTS** 460&380		
Catalog No	GT1064				**HZ** 60&50	**RPM**	1790&1490



Torque in Lb.Ft

FL TORQUE	367	**Lb.Ft**	**FL AMPS**	140	
BD TORQUE	991.0	**Lb.Ft**	**PU TORQUE**	570.0	**Lb.Ft**
LR TORQUE	679	**Lb.Ft**	**LR AMPS**	905	
WINDING	HE32804010-1	**Prepared By**	FAREEDA	**Date**	5/4/2018