marathon®

Severe Duty Motors

Model No: 444TSTFCD6505
Catalog No: E494A

Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 444TS Frame, TEFC

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Product Information Packet: Model No: 444TSTFCD6505, Catalog No: E494A Severe Duty Motor, 125 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 444TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**125 Hp**
Output KW	**93.0 kW**	Voltage	**575 V**
Speed	**3580 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**444TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**110.0 A**
Power Factor	**89.5**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6314**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

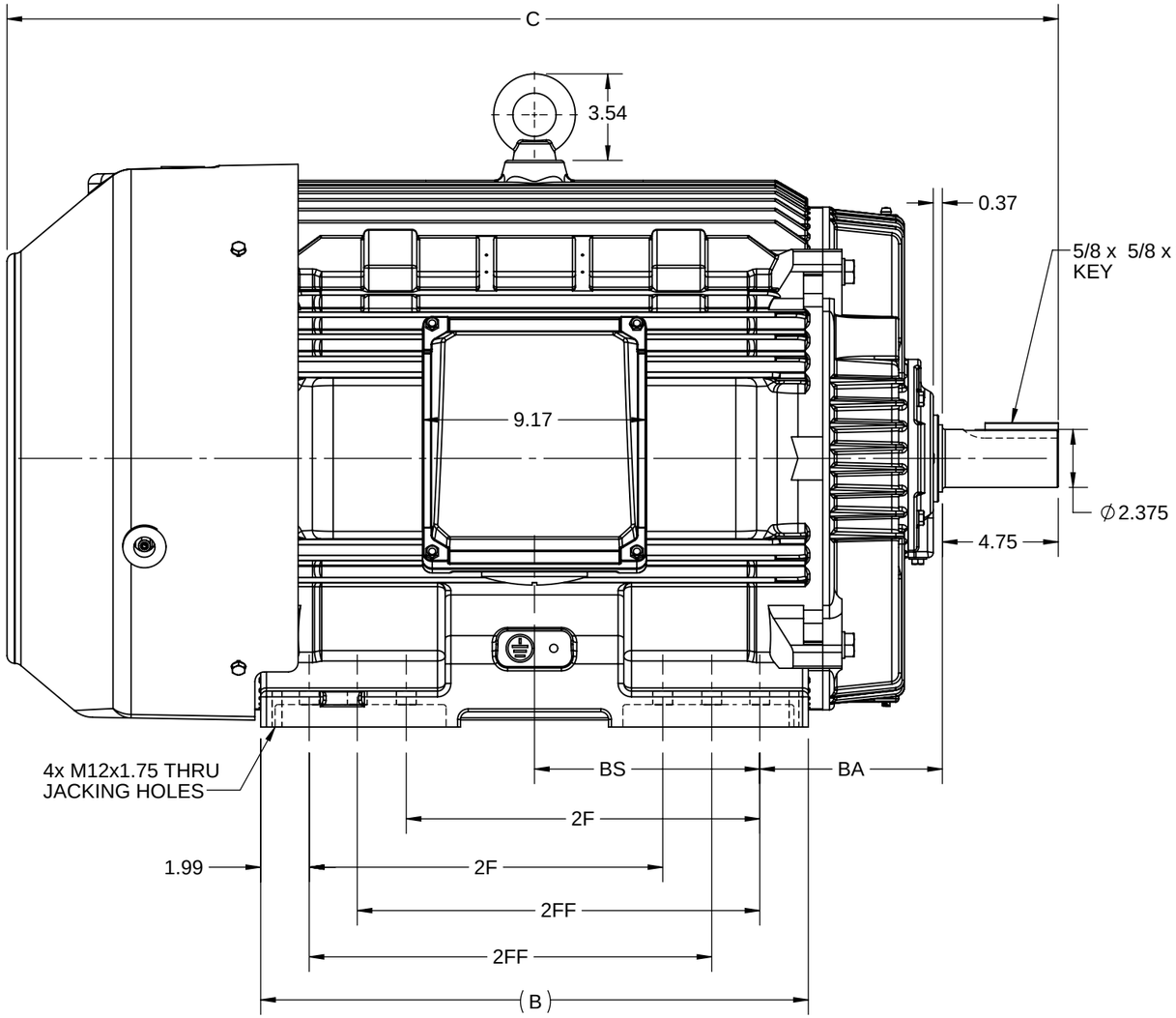
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.0341 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

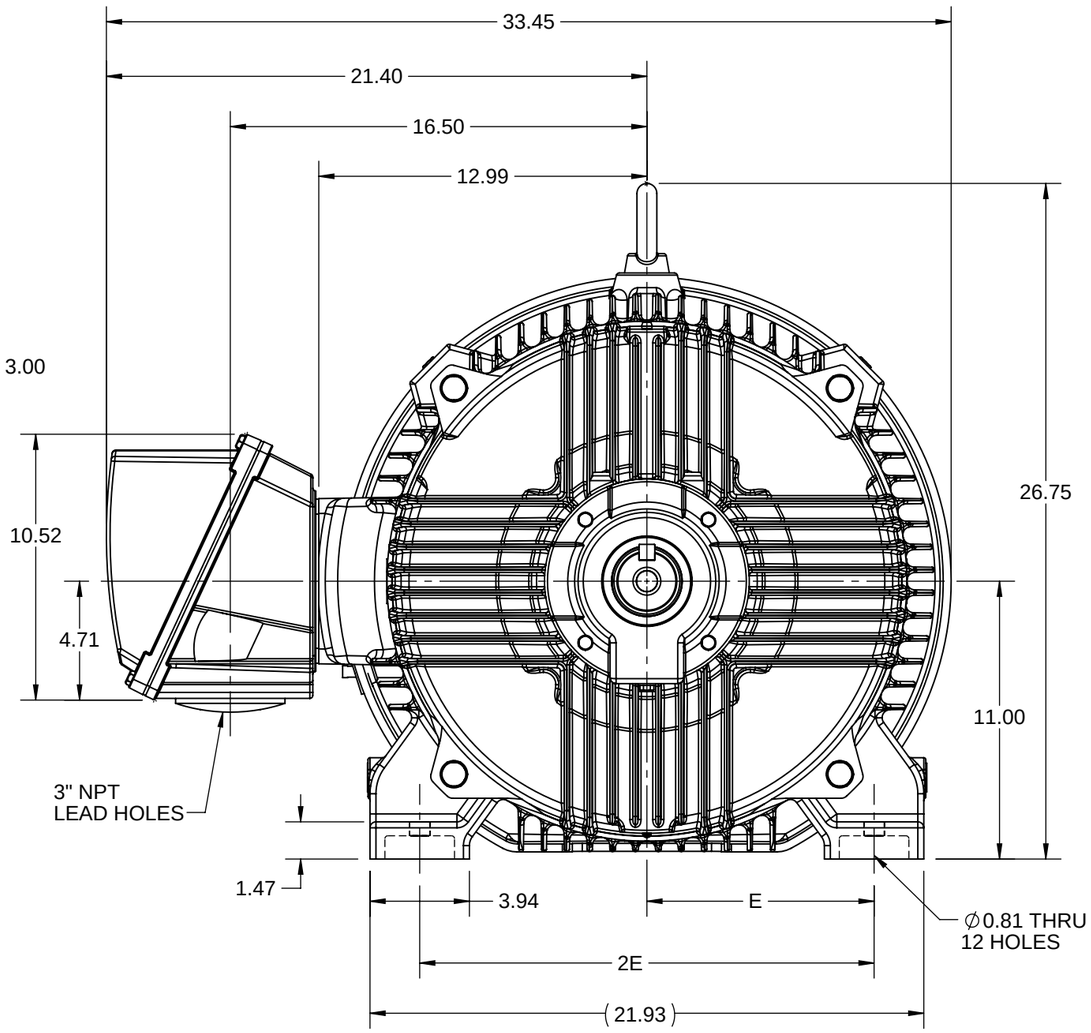
Drawings

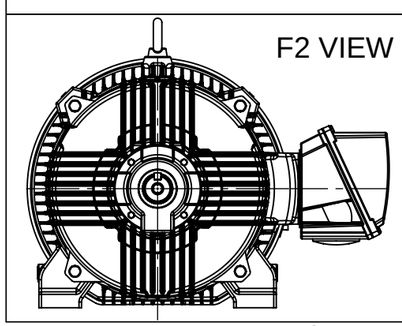
Connection Drawing	**EE7300**	Outline Drawing	**SS557669**

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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
22.44	43.08	9.00	18.00	14.50	16.50	7.50	9.23	F1 OR F2







DRAWING REVISION E	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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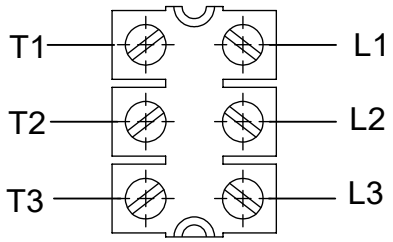
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
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DRAWN BY BISWA	marathon™		
DATE 10/10/2018			
APPROVED BY SBD	DESCRIPTION: OUTLINE 444/445TS FR NEMA-SD & IEEE841		
DATE 10/10/2018			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS557669	SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

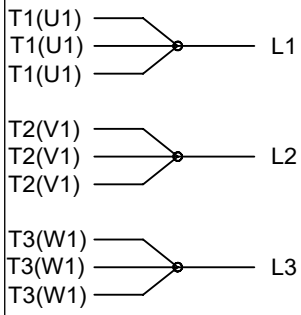
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

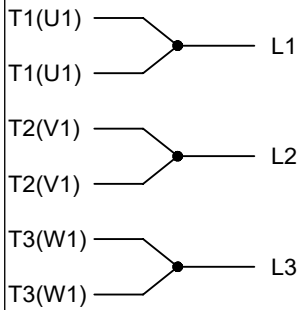


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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

REQUEST NUMBER DESCRIPTION
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DRAWN BY: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1