marathon®

Severe Duty Motors

Model No: 445TSHFCD9002
Catalog No: W610A-P

Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, TEFC

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Product Information Packet: Model No: 445TSHFCD9002, Catalog No: W610A-P Severe Duty Motor, 150 HP, 3 Ph, 60 Hz, 460 V, 3600 RPM, 445TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**150 Hp**
Output KW	**112.0 kW**	Voltage	**460 V**
Speed	**3575 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**445TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**161.0 A**
Power Factor	**90**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6314**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**56**	Number of Speeds	**1**

Technical Specifications

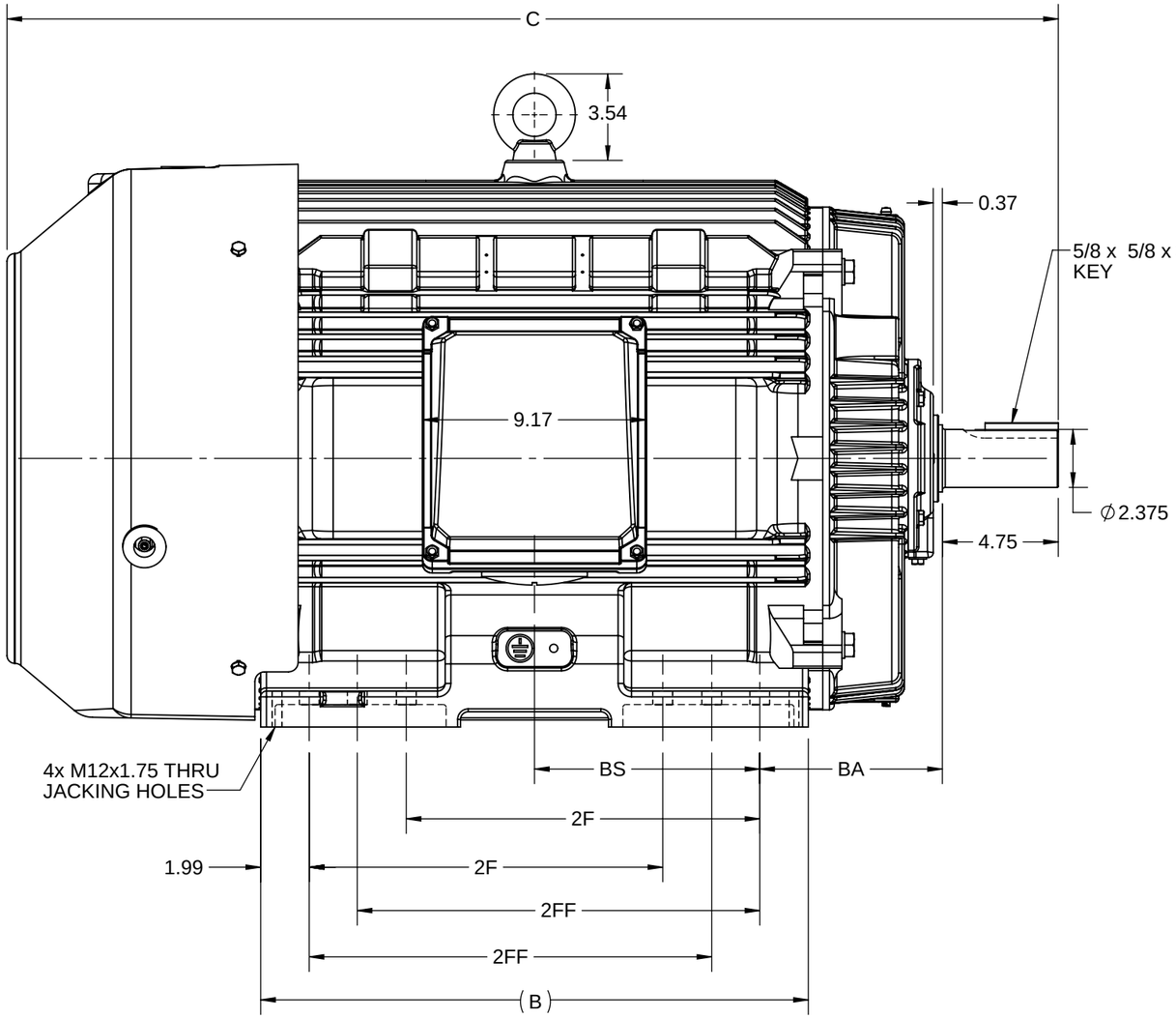
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.0304 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Shaft Diameter	**2.375 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

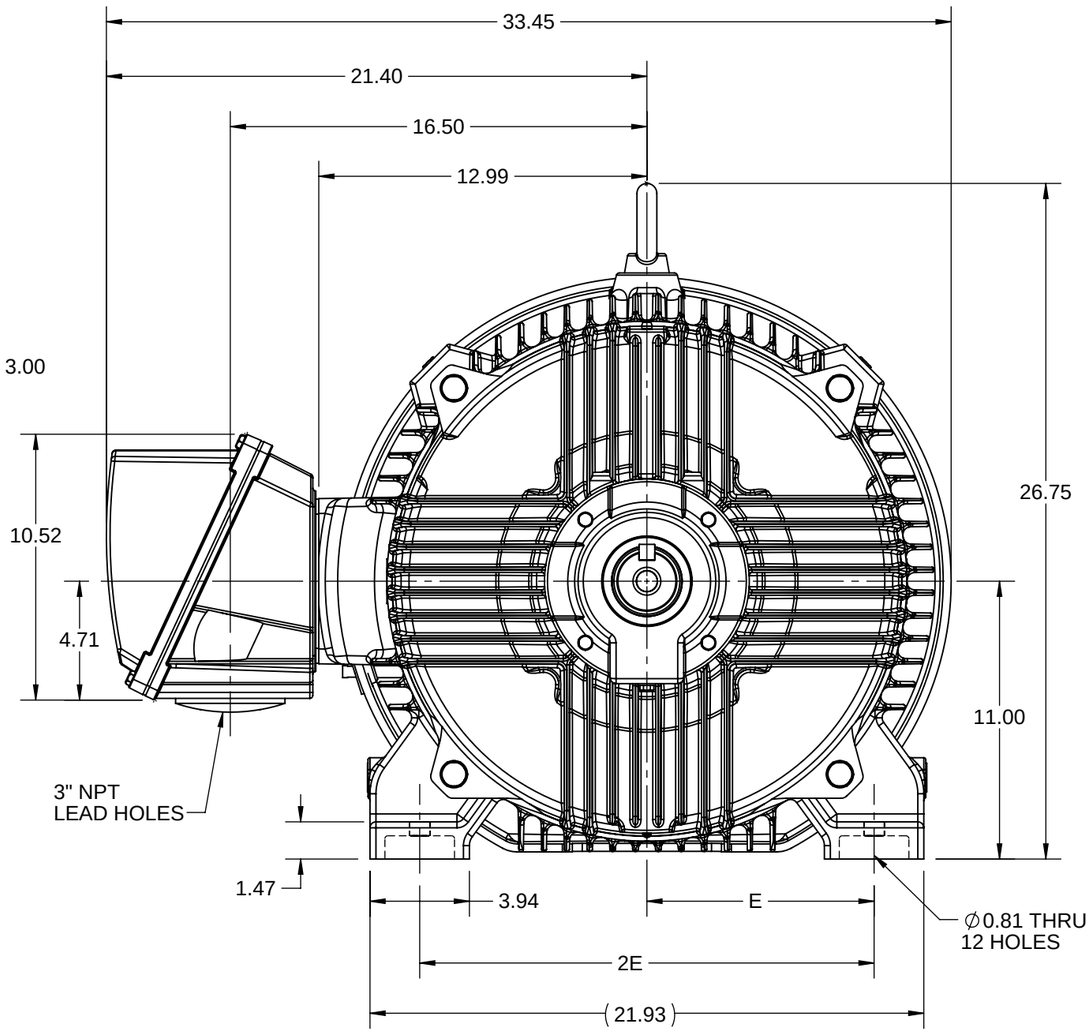
Drawings

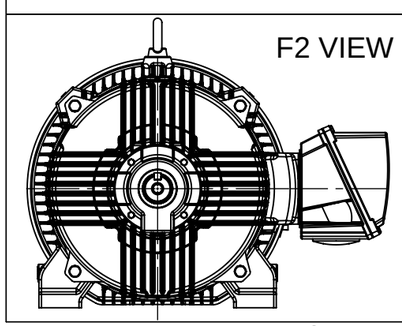
Connection Drawing	**EE7300U**	Outline Drawing	**SS557669**

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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







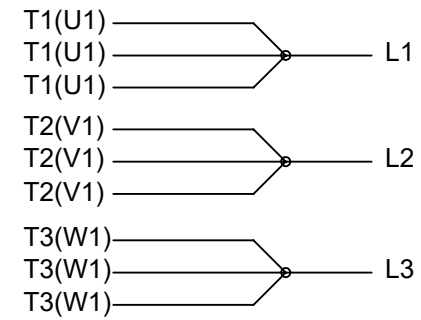
DRAWING REVISION E	REVISION BY SB	REV DATE/© DATE 05/21/2026
REQUEST NUMBER CR-0026353	APPROVED BY RMS	DATE 05/21/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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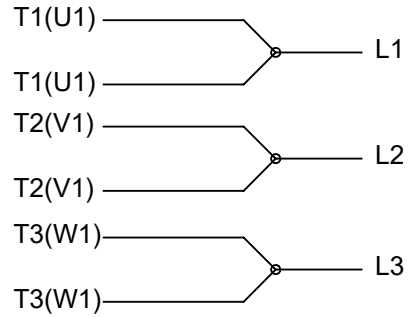
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DRAWN BY BISWA	marathon™		
DATE 10/10/2018			
APPROVED BY SBD	DESCRIPTION: OUTLINE 444/445TS FR NEMA-SD & IEEE841		
DATE 10/10/2018			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER SS557669	SHEET 1 OF 1

IF MOTOR HAS 9 LEADS

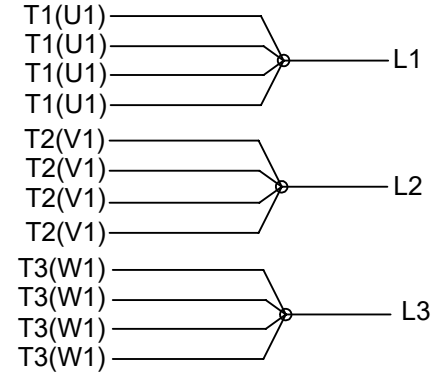


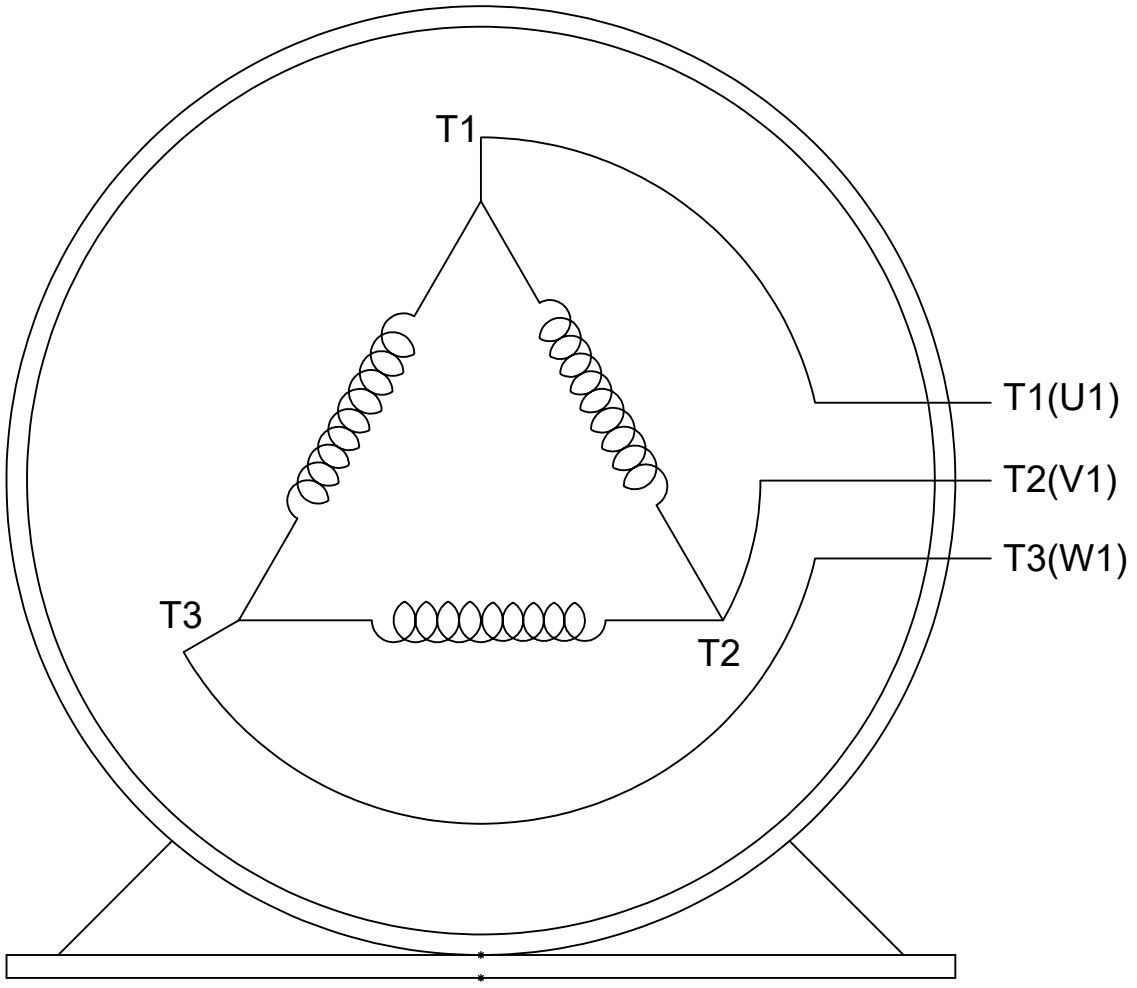
IF MOTOR HAS 6 LEADS



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

REQUEST NUMBER DESCRIPTION
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DRAWN BY	DRS
DATE	09-27-1996
APPROVED BY	GK
DATE	09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300U	1 OF 1