marathon®

Severe Duty Motors

Model No: 284TSTFCD6807
Catalog No: E487A

Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 284TS Frame, TEFC

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Product Information Packet: Model No: 284TSTFCD6807, Catalog No: E487A Severe Duty Motor, 25 HP, 3 Ph, 60 Hz, 230/460 V, 3600 RPM, 284TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**25 Hp**
Output KW	**18.7 kW**	Voltage	**230/460 V**
Speed	**3555 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**284TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**60.0/30.0 A**
Power Factor	**86**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**6211**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

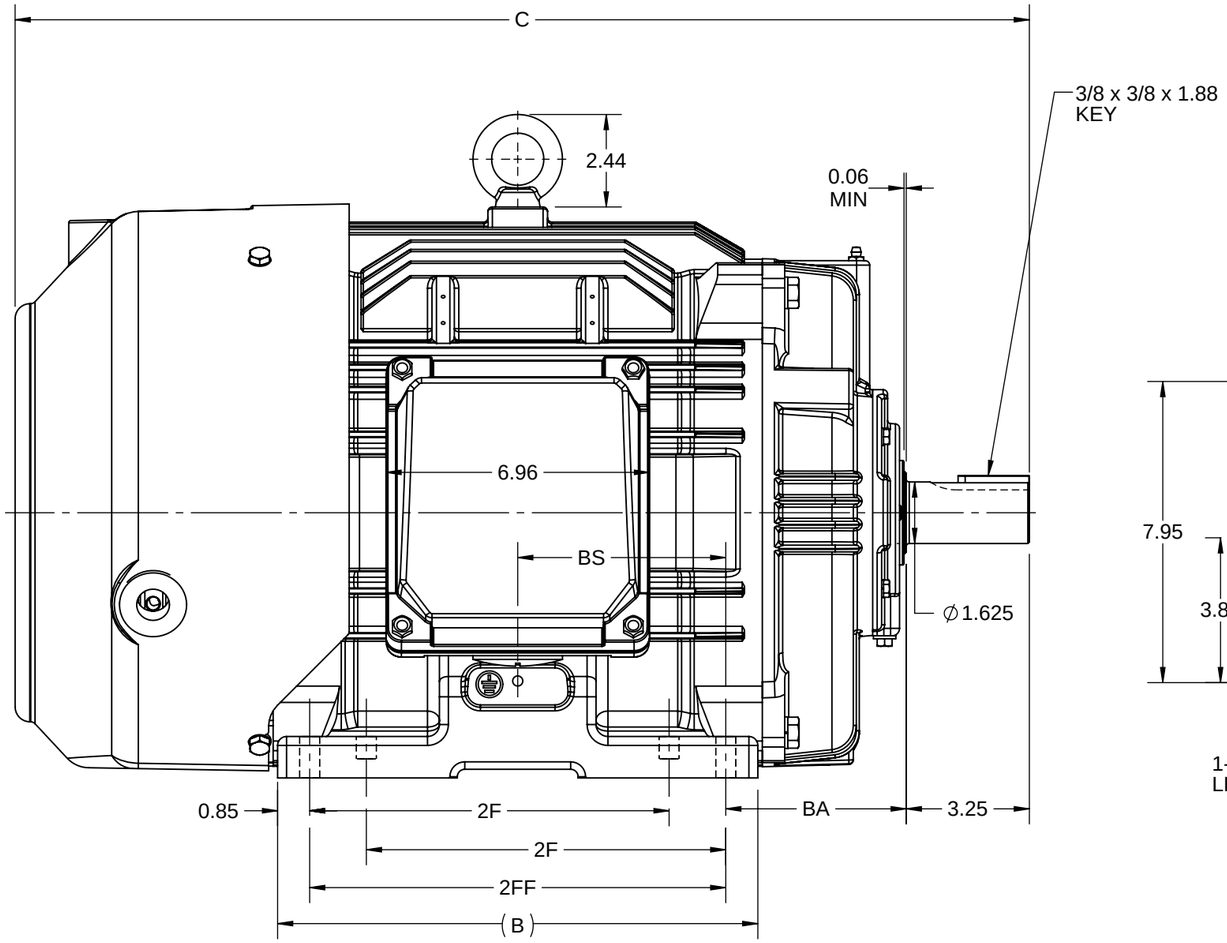
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.395 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 2:1/Variable 10:1**		

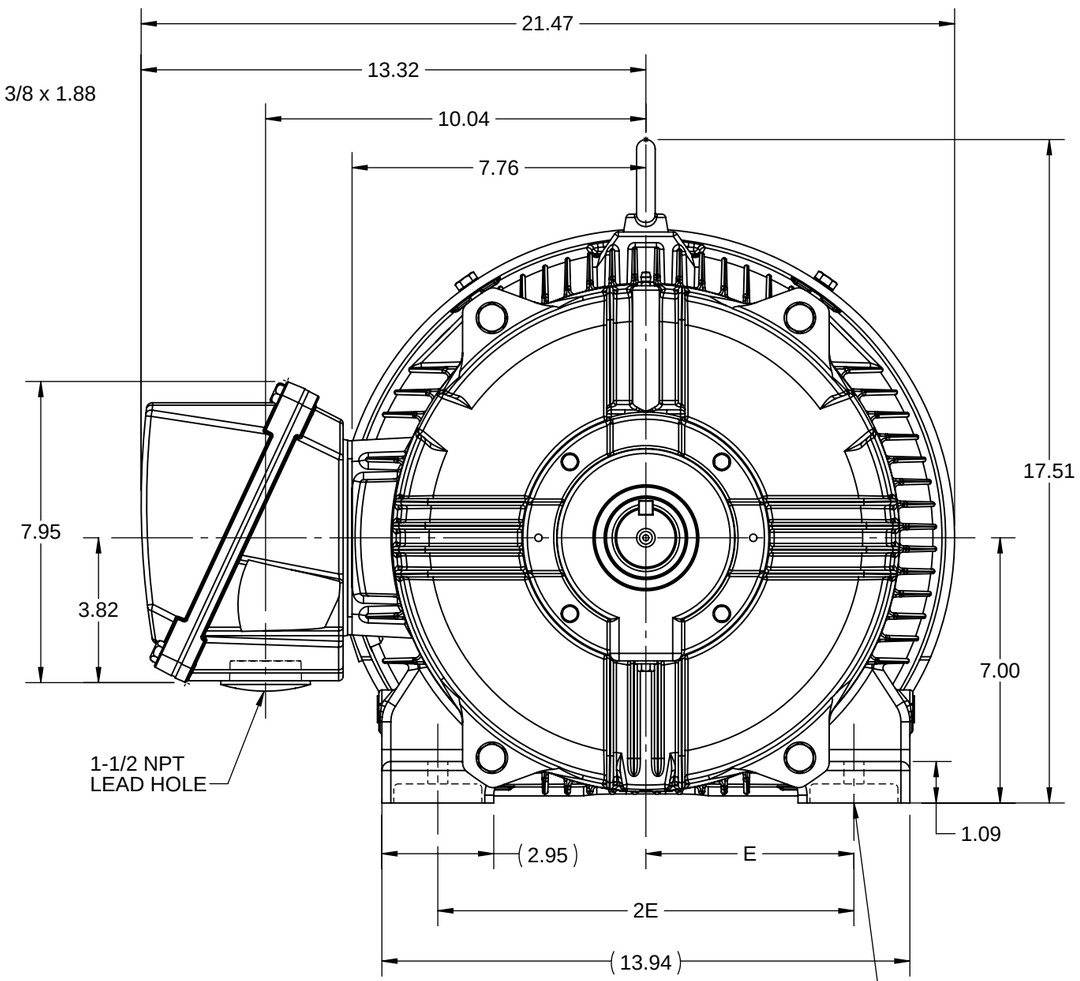
Drawings

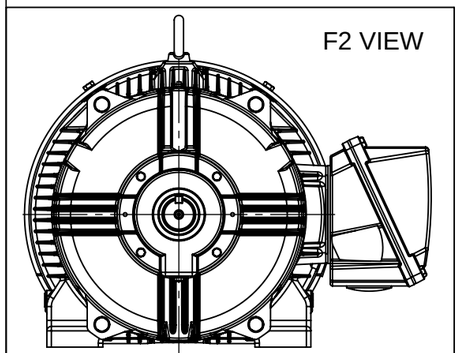
Connection Drawing	**EE7308K**	Outline Drawing	**SS312943-100**

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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	10.83	25.27	5.50	11.00	---	9.50	4.75	4.75	F1 OR F2	284TS
200	12.68	26.77			9.50	11.00		5.50		284/286TS







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	12/19/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0024964	RMS	12/19/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DATE	24/12/2018
APPROVED BY	SBD
DATE	24/12/2018
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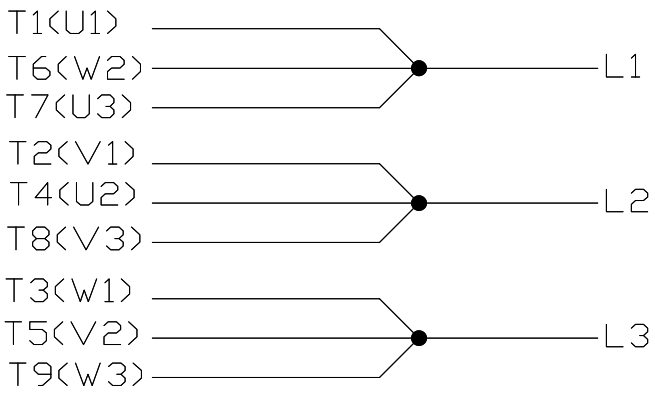
DESCRIPTION
OUTLINE
284/286TS FR-NEMA-SD & IEEE841

MATERIAL | PROCESS/FINISH

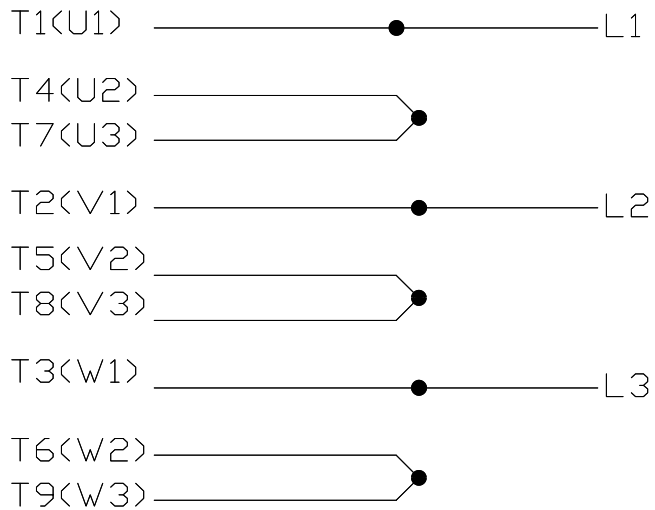
THIRD ANGLE PROJECTION | SIZE B | DRAWING NUMBER SS312943 | SHEET 1 OF 1

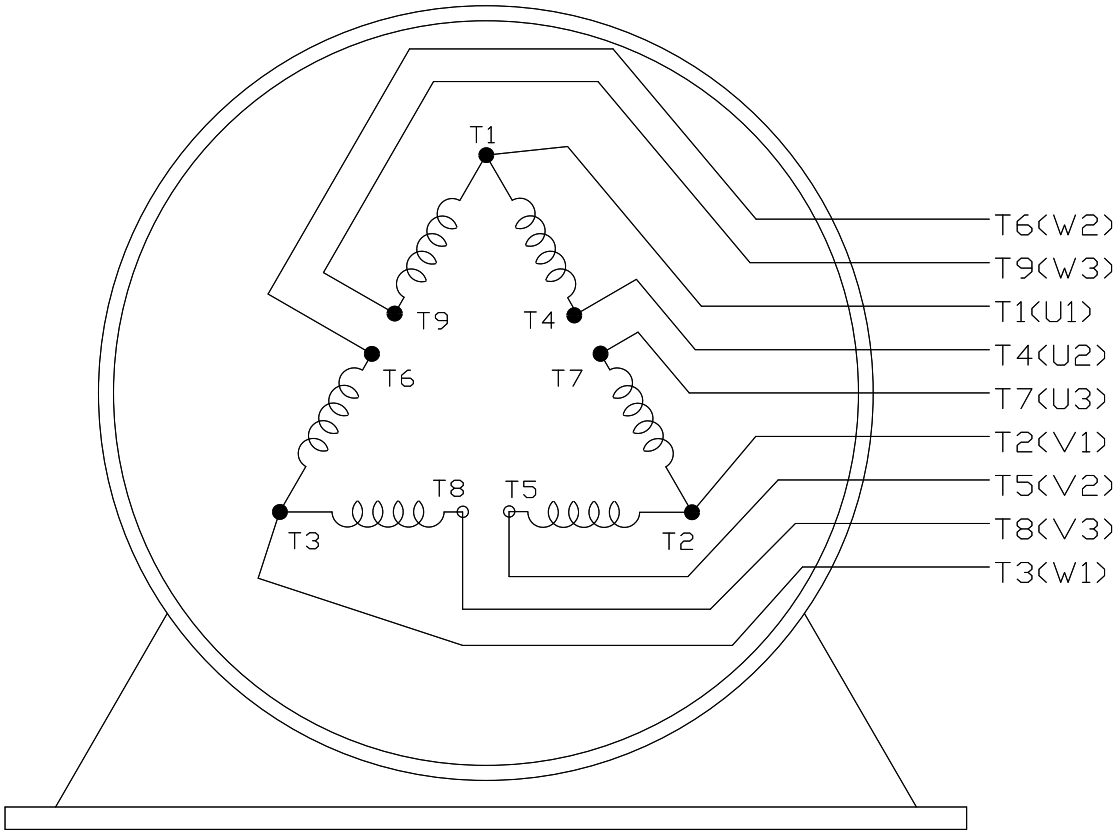
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LOW VOLTAGE



HIGH VOLTAGE





VIEW OF TERMINAL END

DRAWING REVISION: F	REVISION BY: SB	REV DATE/ © DATE: 08/01/2025	DRAWN BY: PGK	marathon™	
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/01/2025	DATE: 06/04/1997		
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED			APPROVED BY: GK	DESCRIPTION: CONN DIAGRAM-EXTERNAL DELTA CON. - 3ø - 9 LEADS	
			DATE: 06/15/1997		
			REFERENCE	MATERIAL	PROCESS/FINISH
			THIRD ANGLE PROJECTION	SIZE: A	DRAWING NUMBER: EE7308K 4 of 4	SHEET: 1 OF 1

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