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Severe Duty Motors

Model No: 286TSHFCD9005
Catalog No: W566A

Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 286TS Frame, TEFC

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Product Information Packet: Model No: 286TSHFCD9005, Catalog No: W566A Severe Duty Motor, 30 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 286TS Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**30 Hp**
Output KW	**22.4 kW**	Voltage	**575 V**
Speed	**3550 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**286TS**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**28.5 A**
Power Factor	**86.5**	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	**56**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

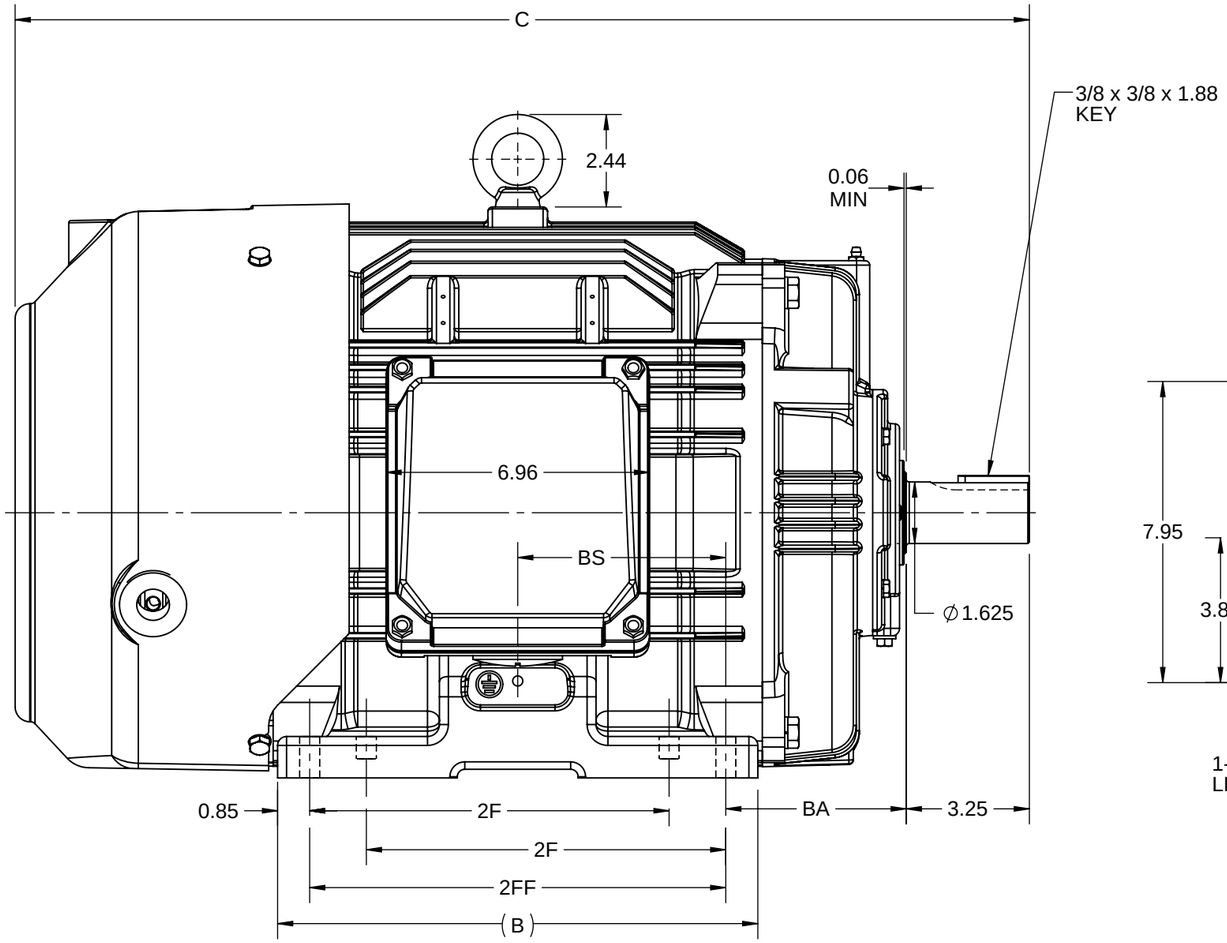
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.338 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Shaft Diameter	**1.625 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

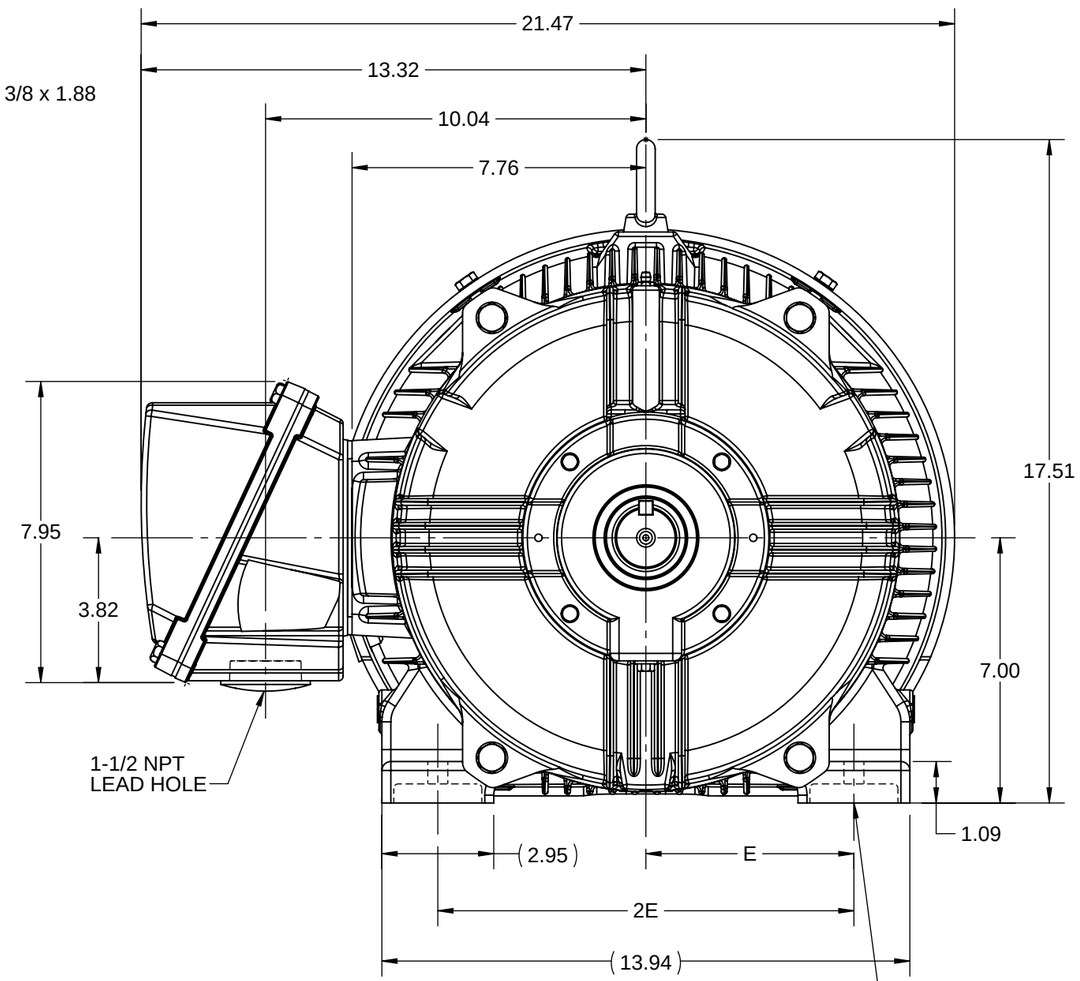
Drawings

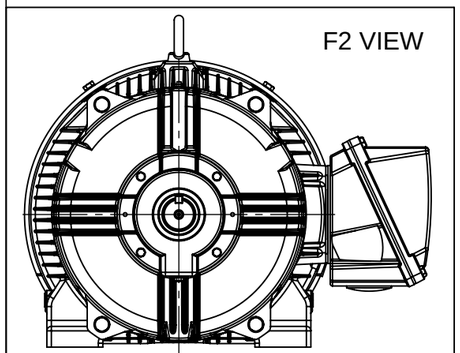
Connection Drawing	**EE7300**	Outline Drawing	**SS312943-200**

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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
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DATE	24/12/2018
APPROVED BY	SBD
DATE	24/12/2018
REFERENCE	

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DESCRIPTION
OUTLINE
284/286TS FR-NEMA-SD & IEEE841

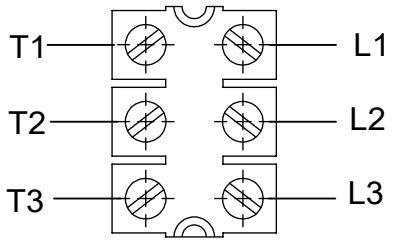
MATERIAL | PROCESS/FINISH

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

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

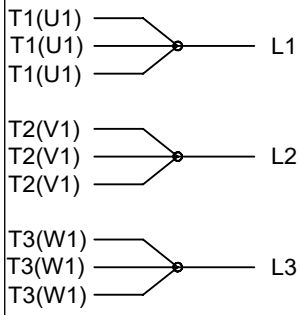
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

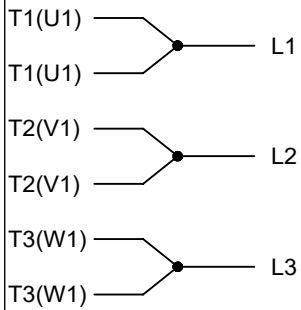


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1