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Severe Duty Motors

Model No: 404THFCD9101
Catalog No: W583A

Severe Duty Motor, 50 HP, 3 Ph, 60 Hz, 460 V, 900 RPM, 404T Frame, TEFC

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Product Information Packet: Model No: 404THFCD9101, Catalog No: W583A Severe Duty Motor, 50 HP, 3 Ph, 60 Hz, 460 V, 900 RPM, 404T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**50 Hp**
Output KW	**37.0 kW**	Voltage	**460 V**
Speed	**888 r/min**	Synchronous RPM	**900 r/min**
Service Factor	**1.15**	Frame	**404T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**92.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**62.0 A**
Power Factor	**80.8**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**F**	Drive End Bearing Size	**6316**
Opp Drive End Bearing Size	**6314**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**56**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

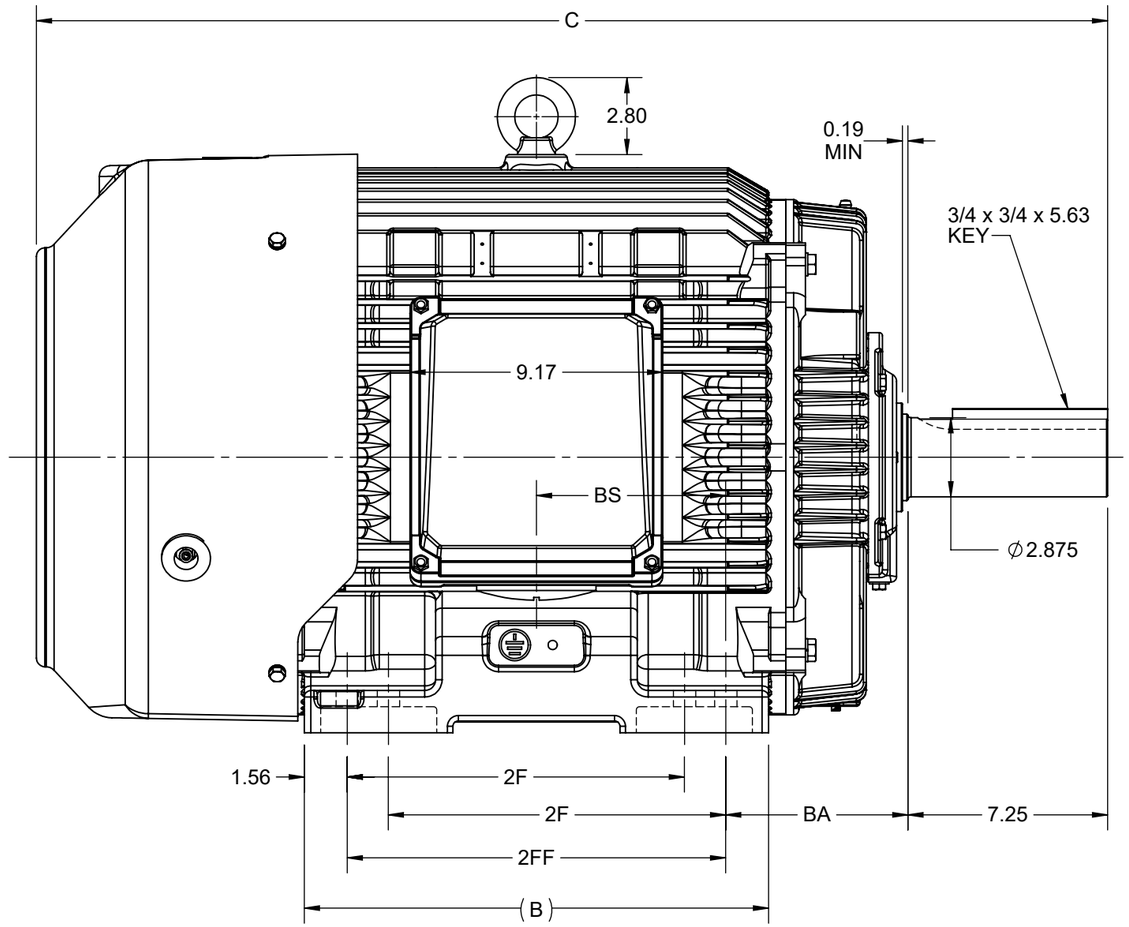
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**8**	Rotation	**Reversible**
Resistance Main	**.1493 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**2.875 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

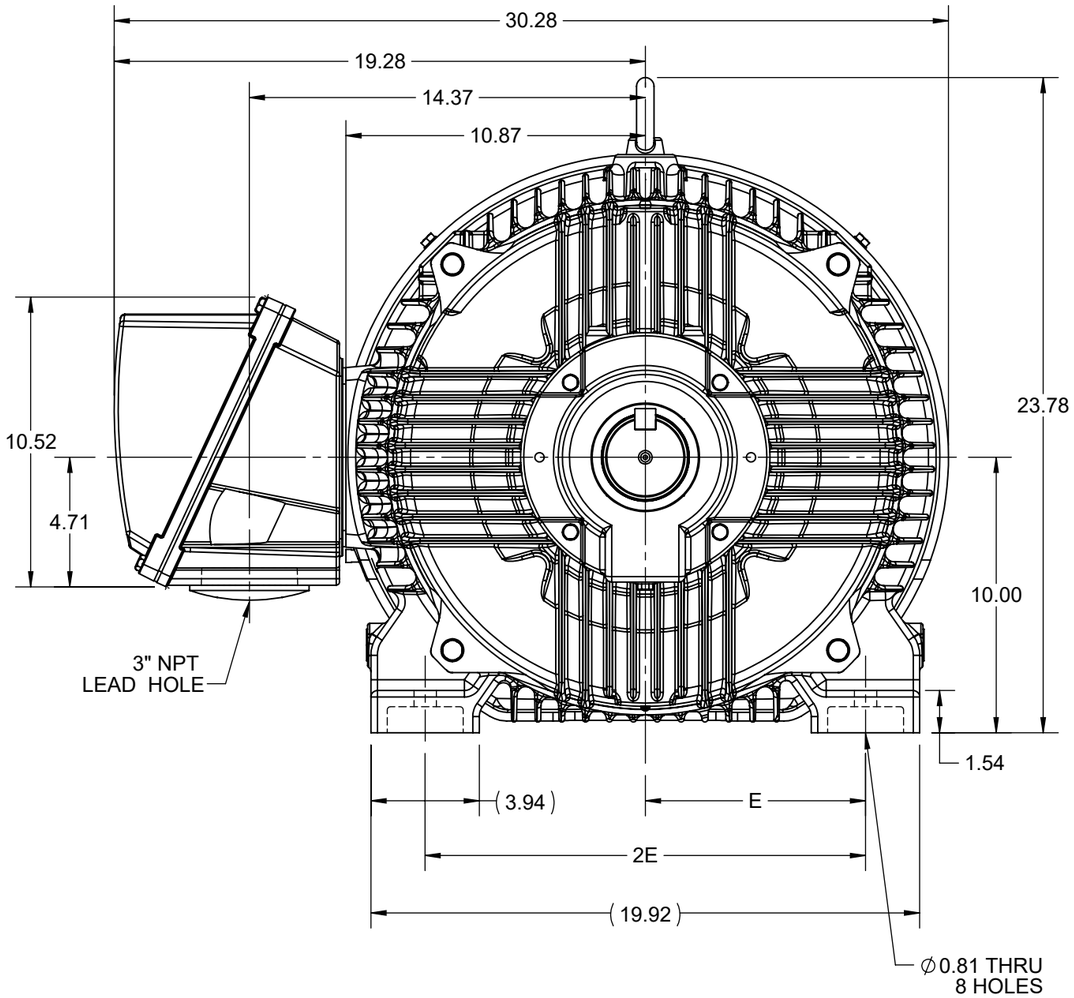
Drawings

Connection Drawing	**EE7300**	Outline Drawing	**SS557665**

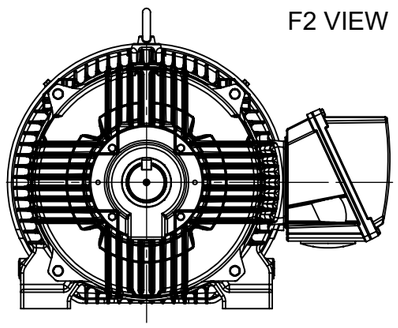
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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
16.85	38.88	8.00	16.00	12.25	13.75	6.62	6.87	F1 OR F2





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
D	SB	07/23/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/23/2025

REQUEST NUMBER DESCRIPTION
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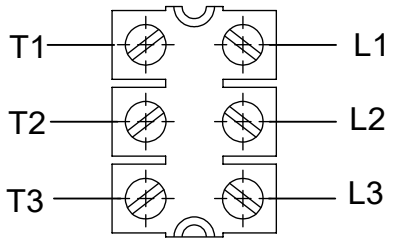
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BISWA	OUTLINE
DATE	404/405T FR-SD & IEEE841
12/24/2018	
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SBD	
DATE	SIZE / DRAWING NUMBER / SHEET
12/24/2018	B / SS557665 / 1 OF 1
REFERENCE	
THIRD ANGLE PROJECTION	

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

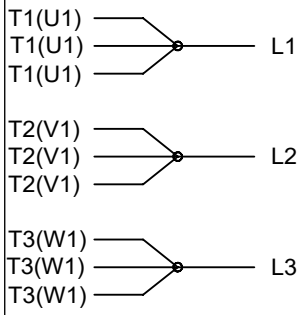
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

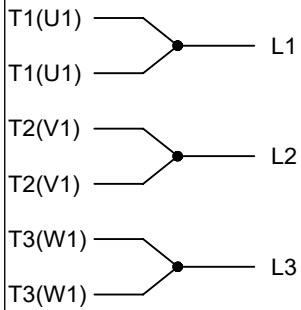


VIEW OF TERMINAL END

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