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Severe Duty Motors

Model No: 213THFCD9040
Catalog No: W032-P

Severe Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 213TCV Frame, TEFC

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Product Information Packet: Model No: 213THFCD9040, Catalog No: W032-P Severe Duty Motor, 7.50 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 213TCV Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**7.50 Hp**
Output KW	**5.6 kW**	Voltage	**460 V**
Speed	**1768 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**213TCV**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**9.5 A**
Power Factor	**79.3**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6309**
Opp Drive End Bearing Size	**6208**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**56**	Number of Speeds	**1**

Technical Specifications

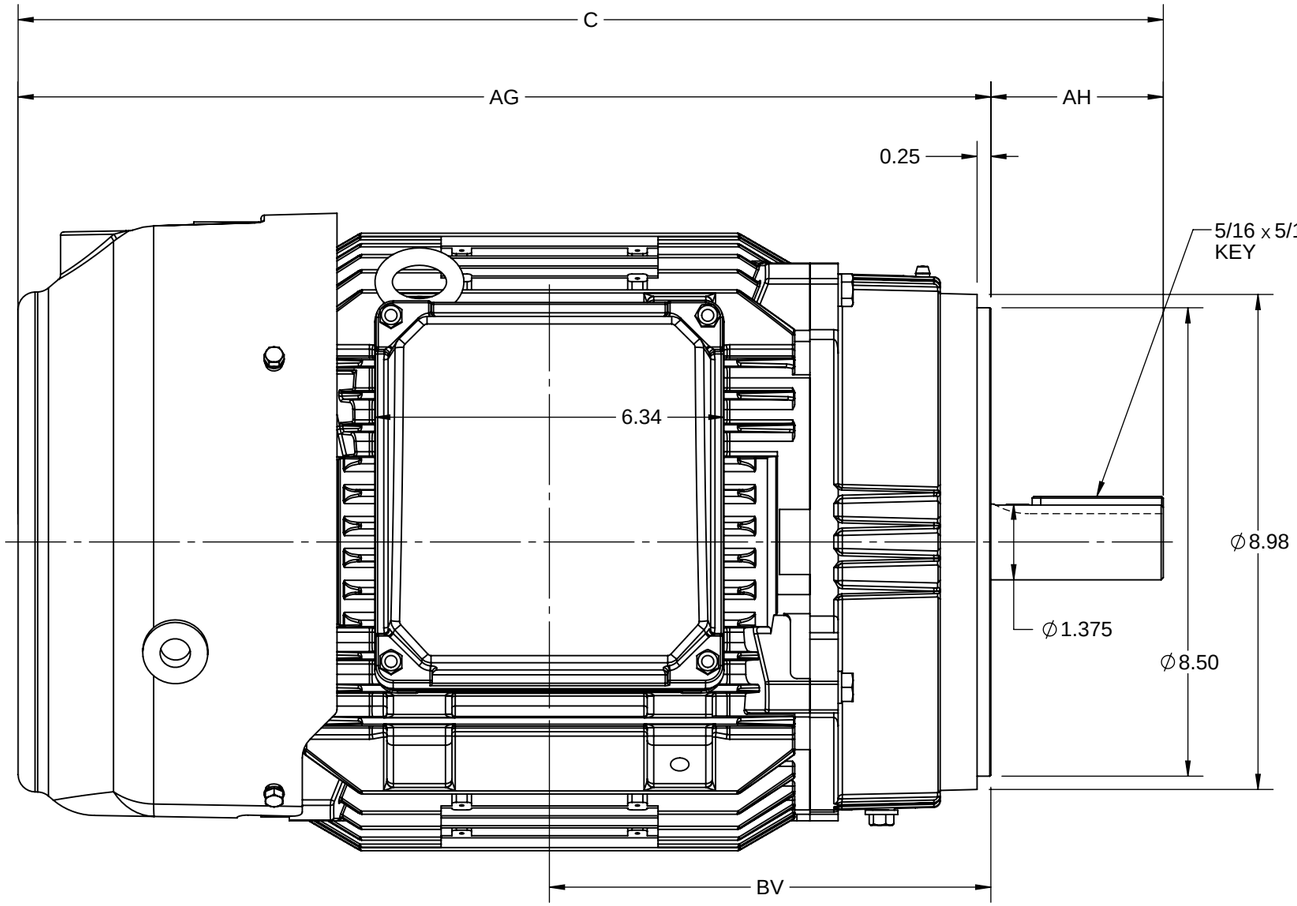
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.473 O**	Mounting	**Round**
Motor Orientation	**Horizontal Or Shaft Down**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**1.375 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 10:1/Variable 10:1**

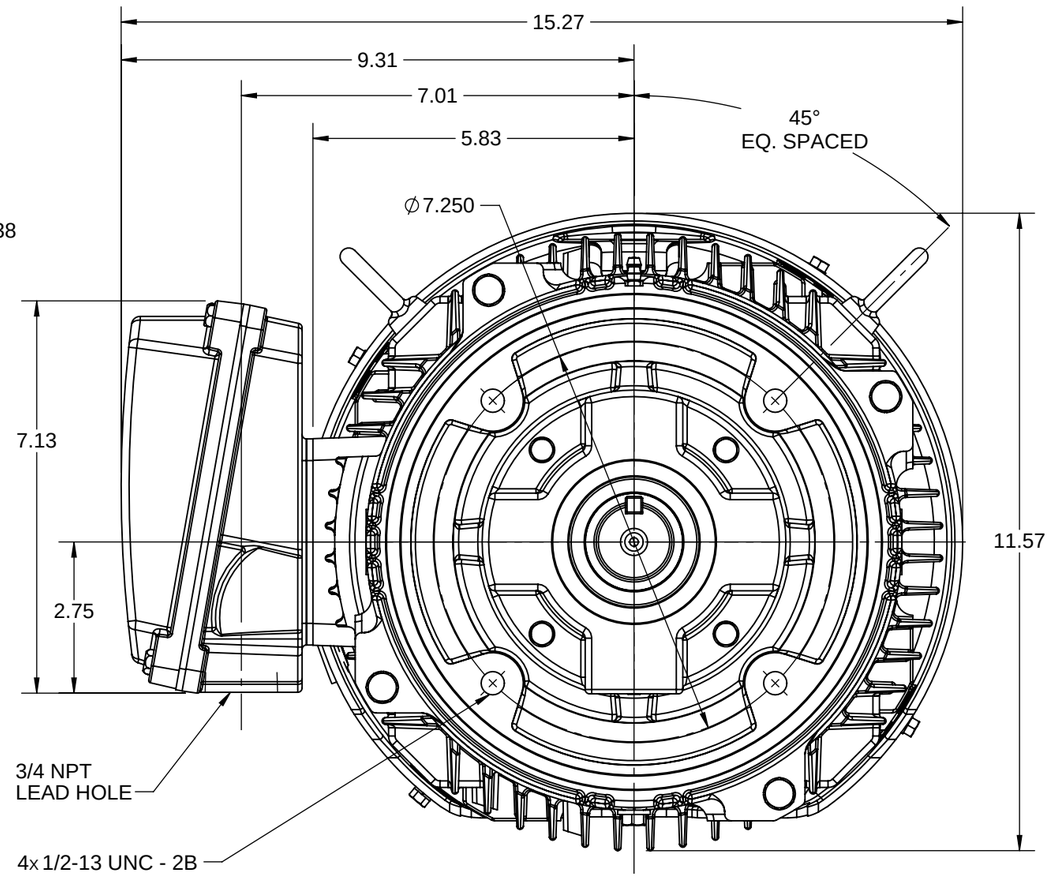
Drawings

Connection Drawing	**EE7300**	Outline Drawing	**SS621008-100**

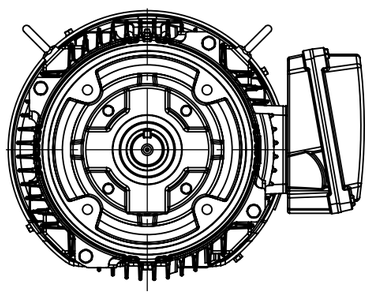
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DASH NO.	C	AG	AH	BV	MOUNTING	FRAME
100	19.28	16.15	3.12	7.26	F1 OR F2 OR F3	213TC
200	20.78	17.65		8.00		213/215TC

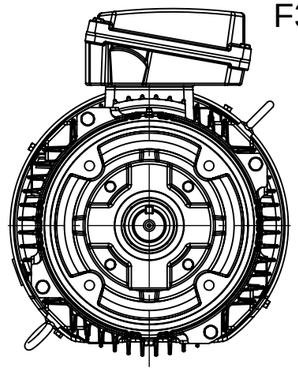




F2 VIEW



F3 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	05/20/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026330	RMS	05/20/2026

REQUEST NUMBER DESCRIPTION
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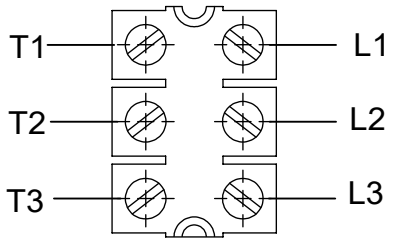
DRAWN BY	DESCRIPTION
BISWA	OUTLINE
DATE	213/215TC FR-NEMA-SD & IEEE841-ROUND
04/02/2020	
APPROVED BY	
SBD	
DATE	
04/02/2020	
REFERENCE	MATERIAL / PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS621008 / SHEET 1 OF 1

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

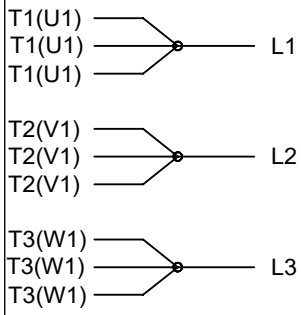
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

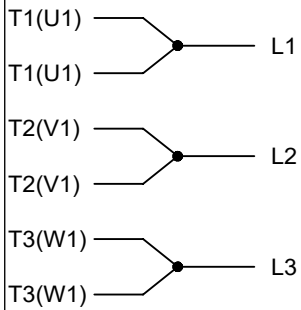


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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

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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