marathon®

Severe Duty Motors

Model No: 405TTFCD6540
Catalog No: E066

Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405TC Frame, TEFC

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Product Information Packet: Model No: 405TTFCD6540, Catalog No: E066 Severe Duty Motor, 100 HP, 3 Ph, 60 Hz, 460 V, 1800 RPM, 405TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**100 Hp**
Output KW	**75.0 kW**	Voltage	**460 V**
Speed	**1785 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**405TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**95.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**113.0 A**
Power Factor	**87**	Duty	**Continuous**
Insulation Class	**H**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6316**
Opp Drive End Bearing Size	**6314**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

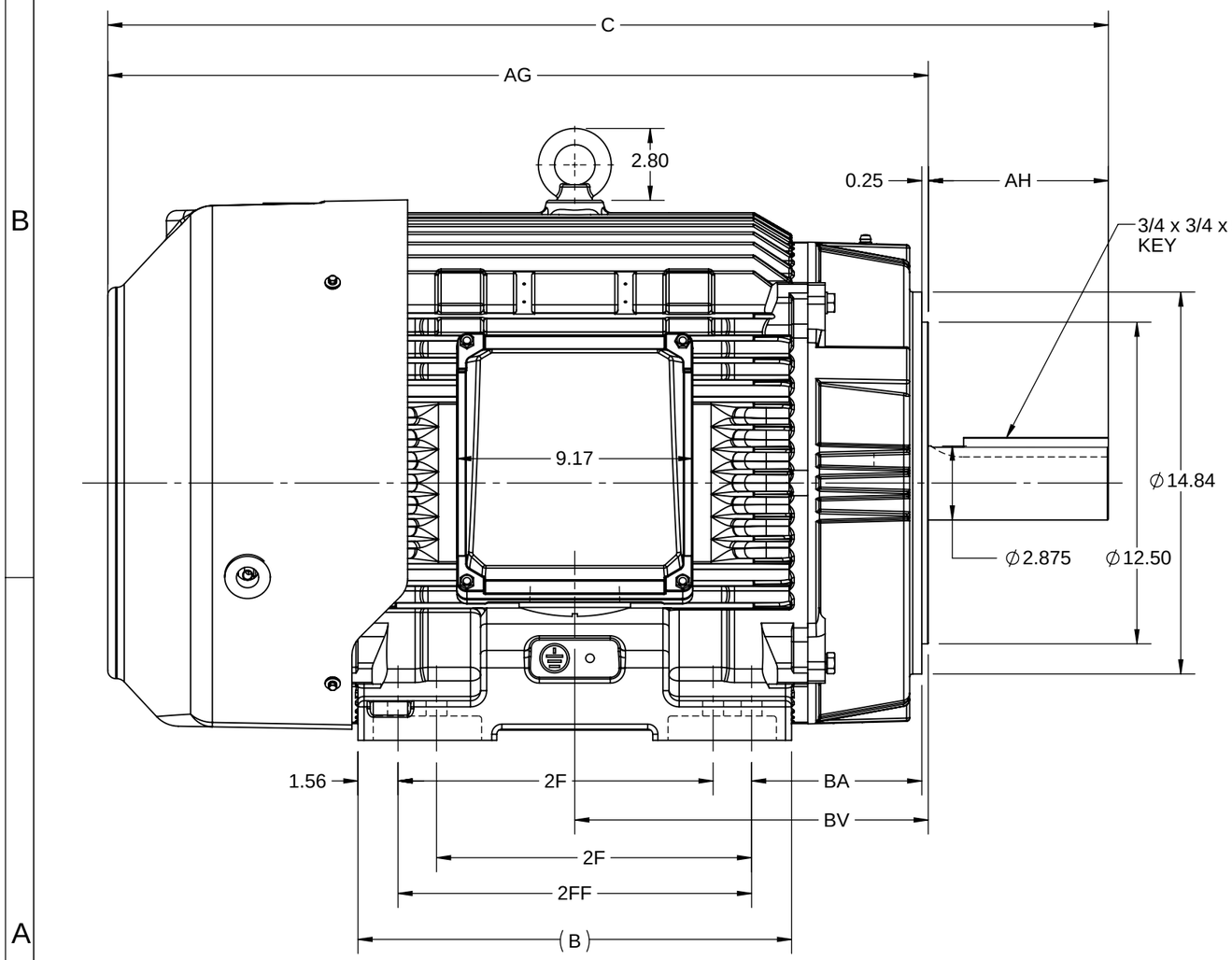
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.0555 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**2.875 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

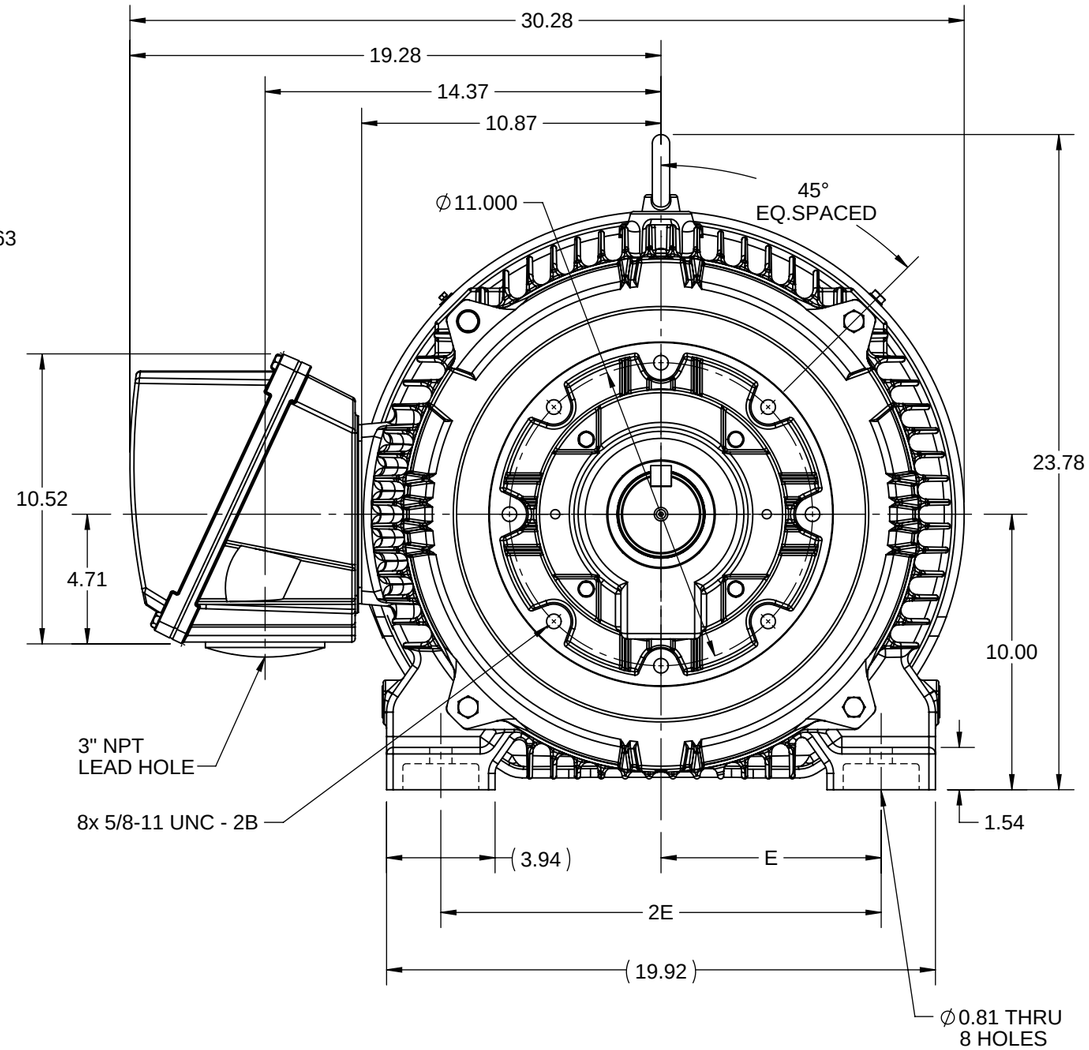
Drawings

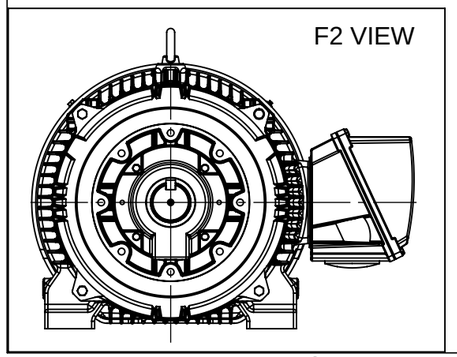
Connection Drawing	**EE7300U**	Outline Drawing	**SS557770**

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B	C	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING
16.85	38.88	8.00	16.00	12.25	13.75	31.88	7.00	6.62	13.73	F1 OR F2







DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SB	05/21/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026353	RMS	05/21/2026

REQUEST NUMBER DESCRIPTION
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DATE	13/03/2019
REFERENCE	

THIRD ANGLE PROJECTION

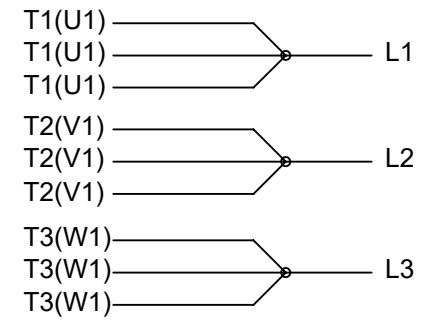
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DESCRIPTION
OUTLINE
404/405TC FR-SD & IEEE841

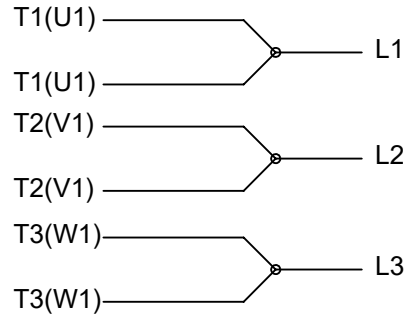
MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS557770	1 OF 1

IF MOTOR HAS 9 LEADS

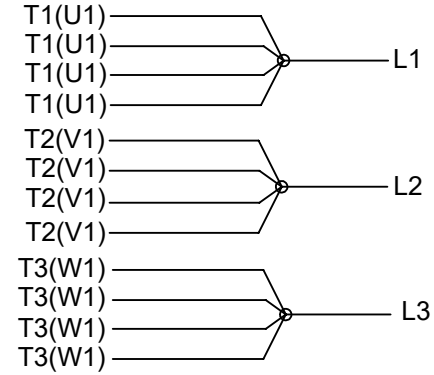


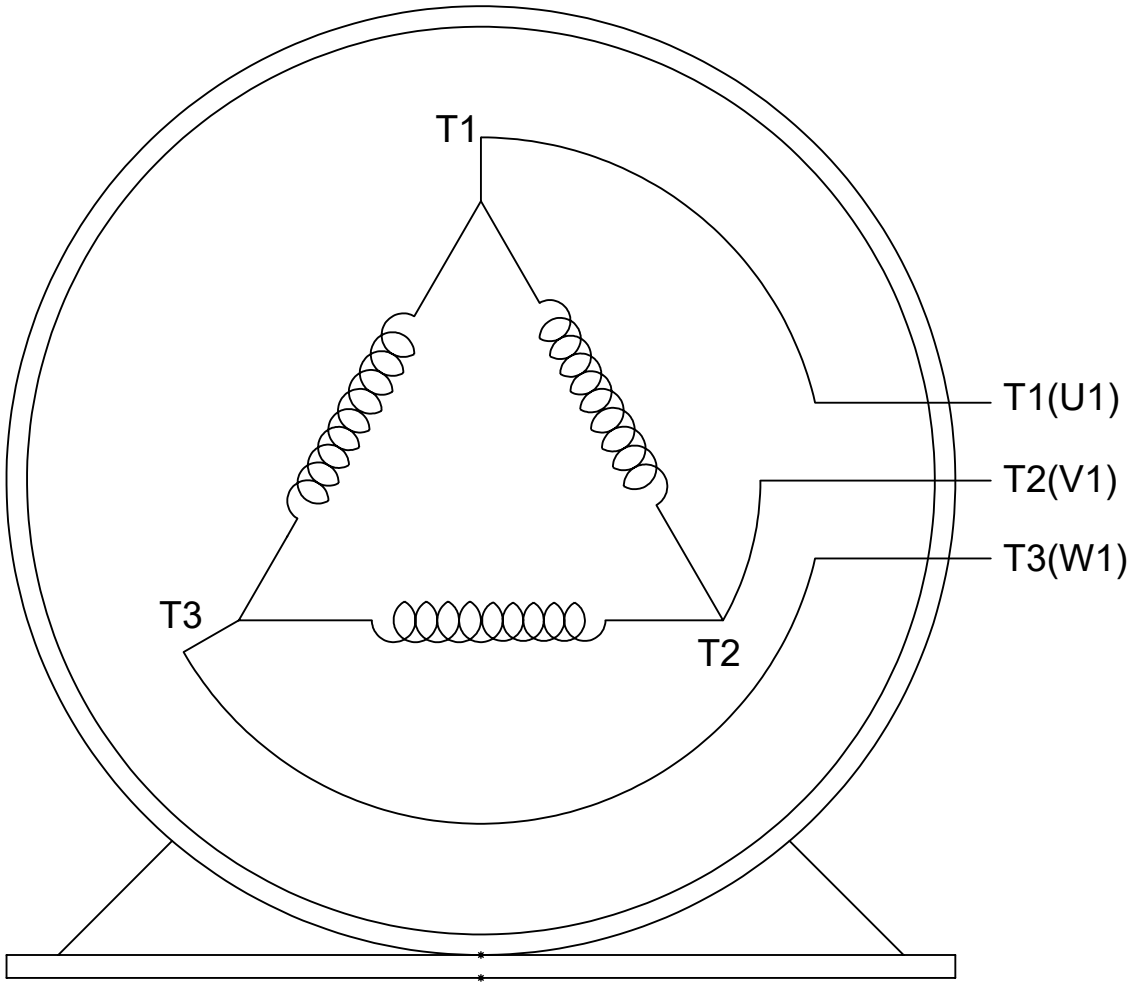
IF MOTOR HAS 6 LEADS



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

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DATE	09-27-1996
APPROVED BY	GK
DATE	09-30-1996
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø SINGLE VOLTAGE

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300U	1 OF 1