marathon®

General Purpose Motors

Model No: 449TTFCD16334
Catalog No: GT1085

General Purpose Motor, 400 & 350 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 449T Frame, TEFC

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Product Information Packet: Model No: 449TTFCD16334, Catalog No: GT1085 General Purpose Motor, 400 & 350 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 1800 RPM, 449T Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**400 & 350 Hp**
Output KW	**300.0 & 260.0 kW**	Voltage	**460 & 380 V**
Speed	**1788 & 1488 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**449T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**96.5 & 95.8 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**440 & 465 A**
Power Factor	**88**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**NU319**
Opp Drive End Bearing Size	**6317**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

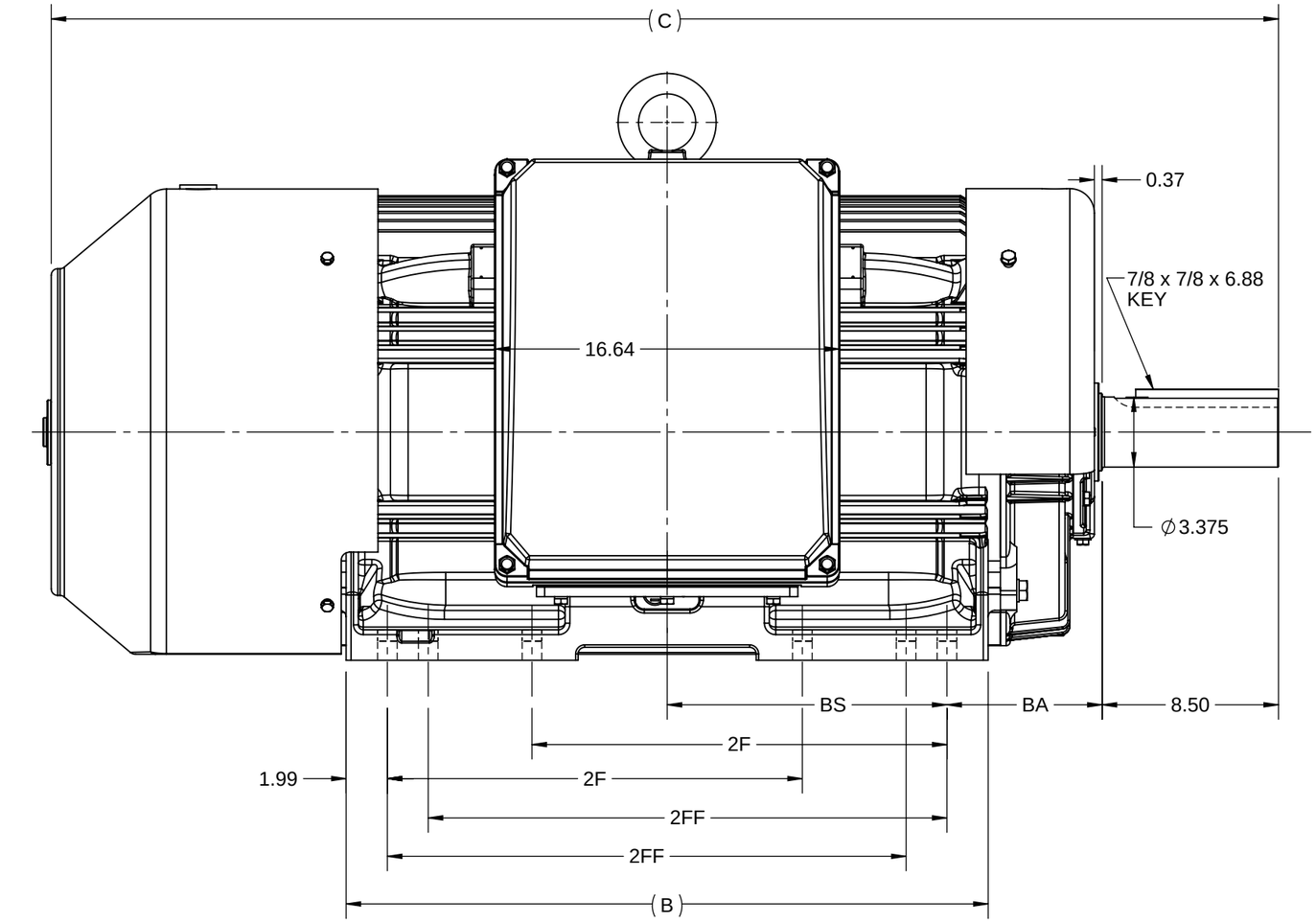
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**.009 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Roller**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Shaft Diameter	**3.375 in**
Assembly/Box Mounting	**F1 Only**	Inverter Load	**Variable 10:1**

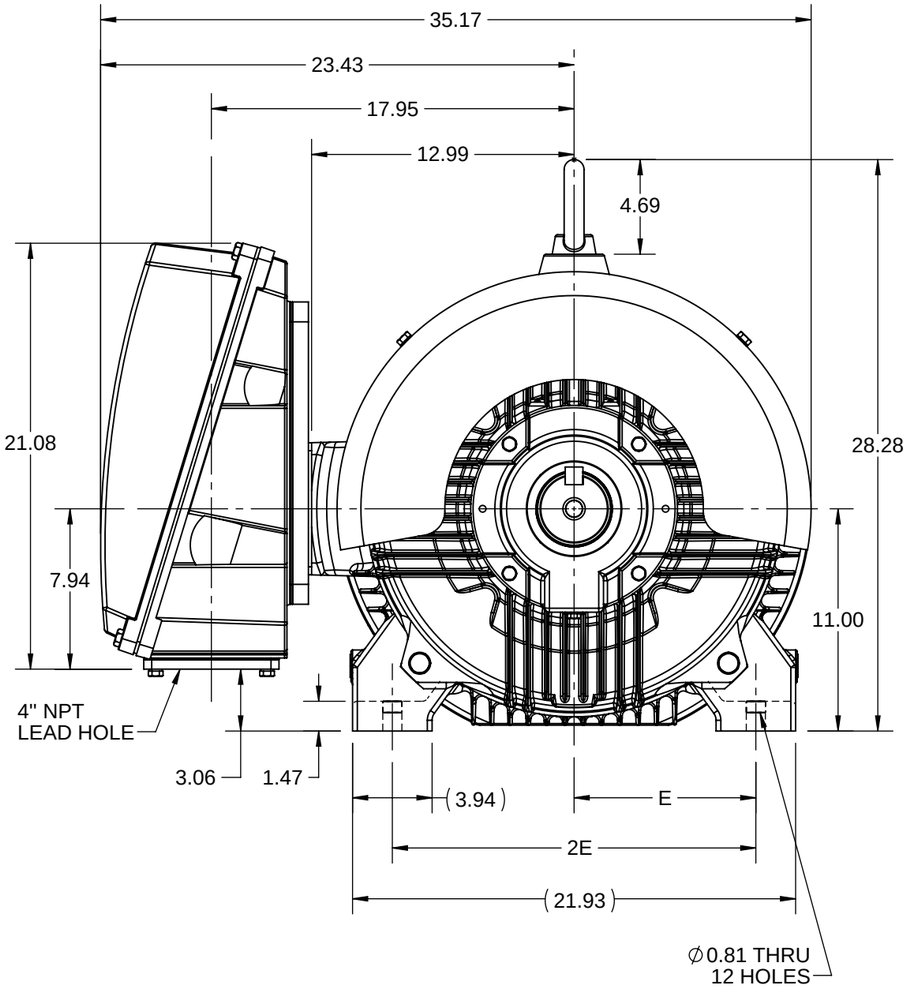
Drawings

Connection Drawing	**EE7341C**	Outline Drawing	**SS621028**

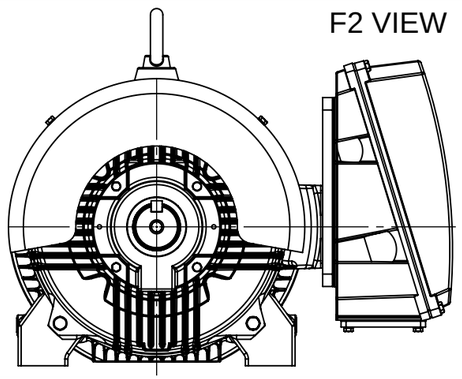
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B	C	E	2E	2F	2FF	BA	BS	MOUNTING
30.94	59.15	9.00	18.00	20.00	25.00	7.50	13.48	F1 OR F2





F2 VIEW



DRAWING REVISION	REVISION BY	REV DATE/© DATE
C	SKB	05/26/2026
REQUEST NUMBER	APPROVED BY	DATE
CR-0026396	RMS	05/26/2026

REQUEST NUMBER DESCRIPTION
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DATE	13/05/2020
APPROVED BY	SBD
DATE	13/05/2020
REFERENCE	

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DESCRIPTION
OUTLINE
447/449T FR H/O B3 MTG.

MATERIAL | PROCESS/FINISH

THIRD ANGLE PROJECTION

SIZE	DRAWING NUMBER	SHEET
B	SS621028	1 OF 1

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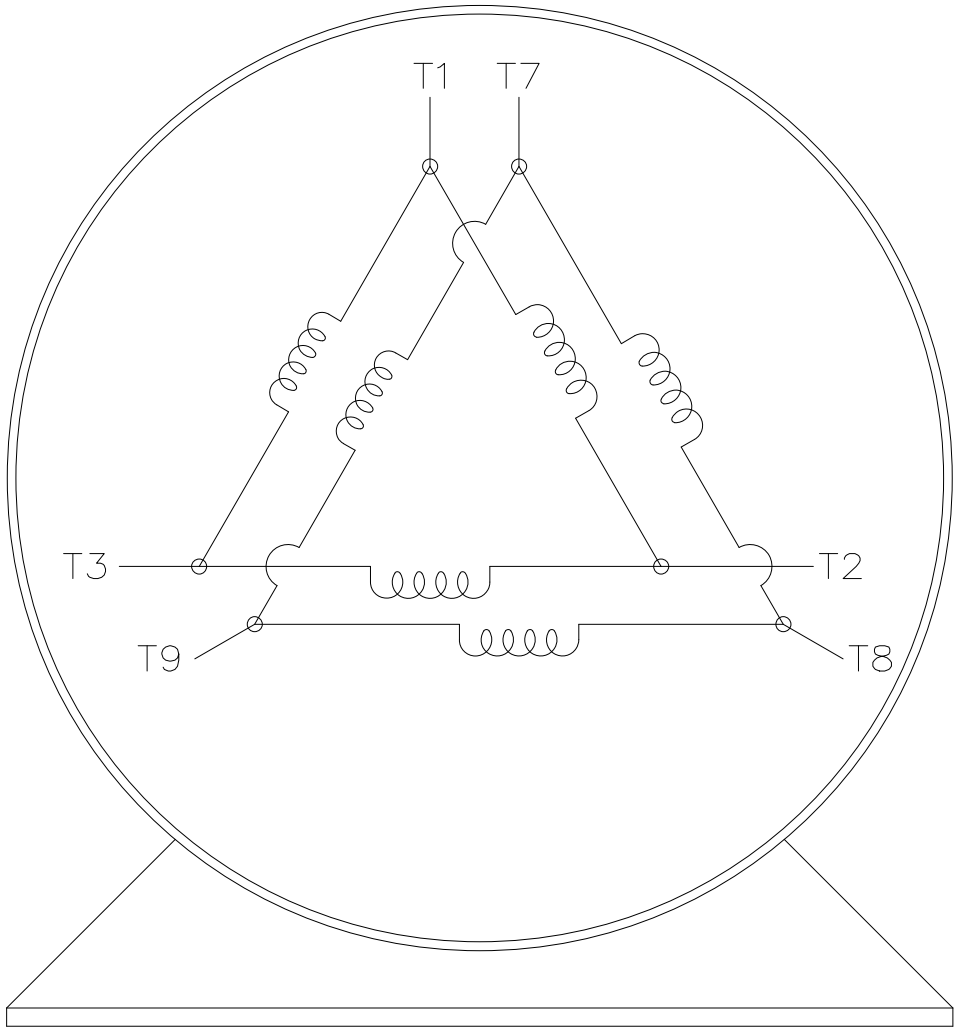
THREE PHASE – PART WINDING START
DELTA – 6 LEADS

START

CONNECT T1 TO LINE 1
CONNECT T2 TO LINE 2
CONNECT T3 TO LINE 3
T7–T8–T9 OPEN

RUN

CONNECT T1&T7 TO LINE 1
CONNECT T2&T8 TO LINE 2
CONNECT T3&T9 TO LINE 3



VIEW OF TERMINAL END

IF MOTOR HAS 2 T'S

START

CONNECT T1,T1 TO LINE 1
CONNECT T2,T2 TO LINE 2
CONNECT T3,T3 TO LINE 3
T7,T7–T8,T8–T9,T9 OPEN

RUN

CONNECT T1,T1&T7,T7 TO LINE 1
CONNECT T2,T2&T8,T8 TO LINE 2
CONNECT T3,T3&T9,T9 TO LINE 3

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F	SB	08/01/2025
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CR-0023654	SBD	08/01/2025

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DATE	03/09/1998
APPROVED BY	GK
DATE	03/23/1998
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - 6 LEADS

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7341C	1 OF 1

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