marathon®

General Purpose Motors

Model No: 449TSTDCD6002
Catalog No: GT00041

General Purpose Motor, 450 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 449TS Frame, DP

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Product Information Packet: Model No: 449TSTDCD6002, Catalog No: GT00041 General Purpose Motor, 450 & 400 HP, 3 Ph, 60 & 50 Hz, 460 & 380 V, 3600 RPM, 449TS Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**450 & 400 Hp**
Output KW	**340.0 & 300.0 kW**	Voltage	**460 & 380 V**
Speed	**3580 & 2977 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**449TS**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**96.2 & 95.4 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**483 & 520 A**
Power Factor	**91.1**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**G**	Drive End Bearing Size	**6314**
Opp Drive End Bearing Size	**6314**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

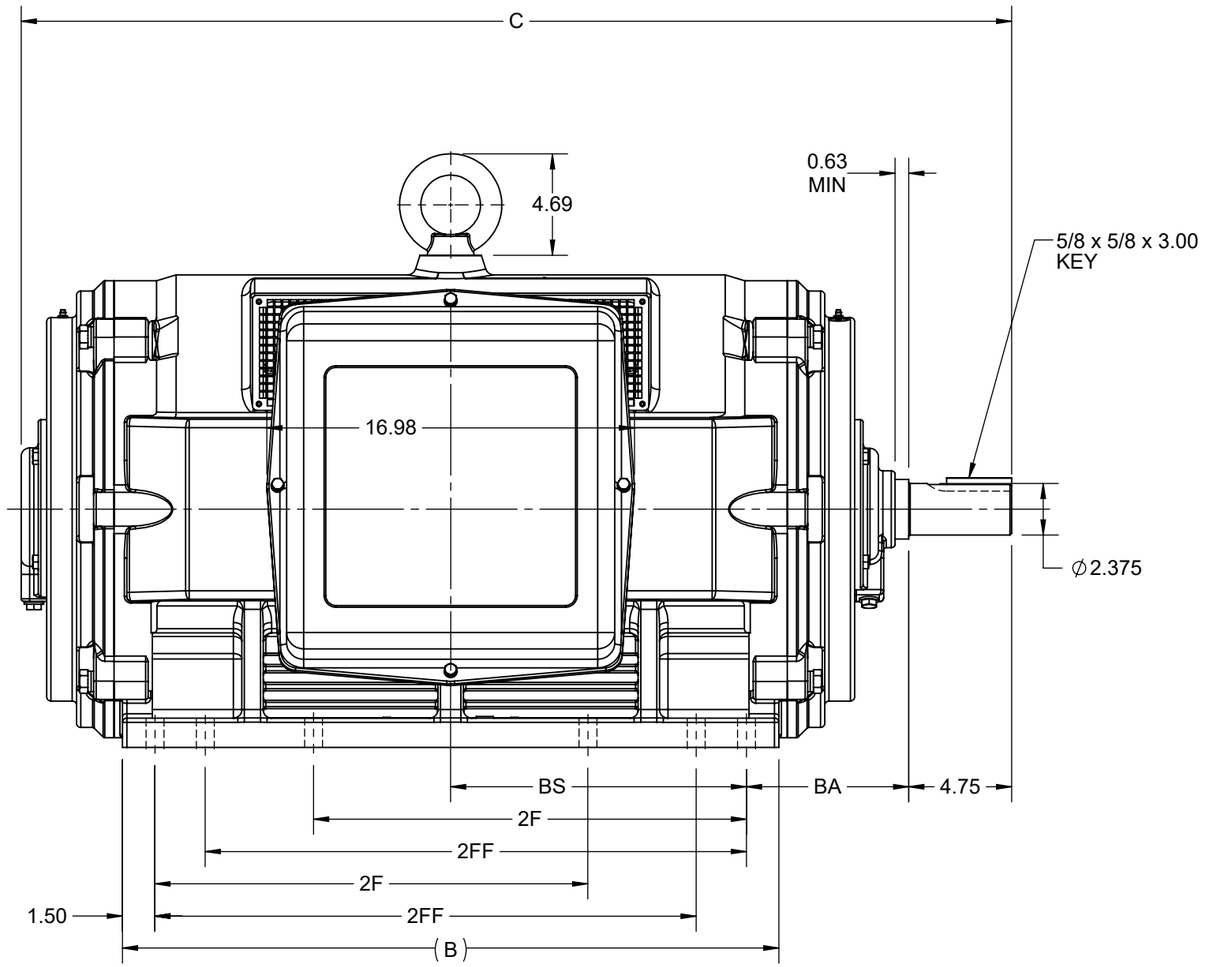
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start & Wye Start Delta Run Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**.0094 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**TS**	Shaft Diameter	**2.375 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

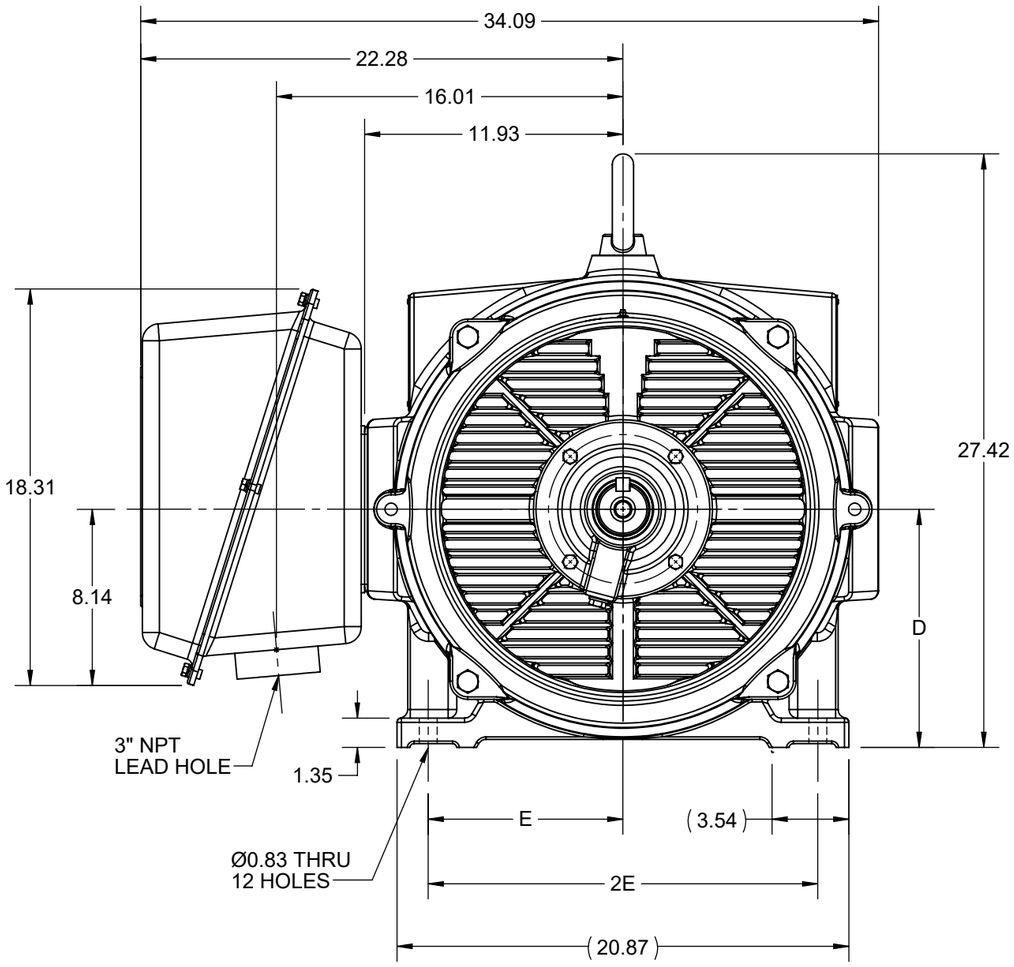
Drawings

Connection Drawing	**EE7300BH**	Outline Drawing	**SS620756-200**

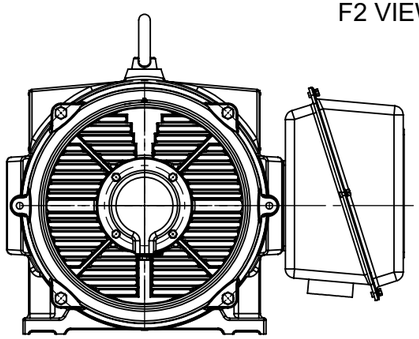
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DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	25.20	40.64	11.00	9.00	18.00	14.50	16.50	7.50	11.10	F1 OR F2	444/445TS
200	30.31	45.76				20.00	25.00		13.66		447/449TS





F2 VIEW



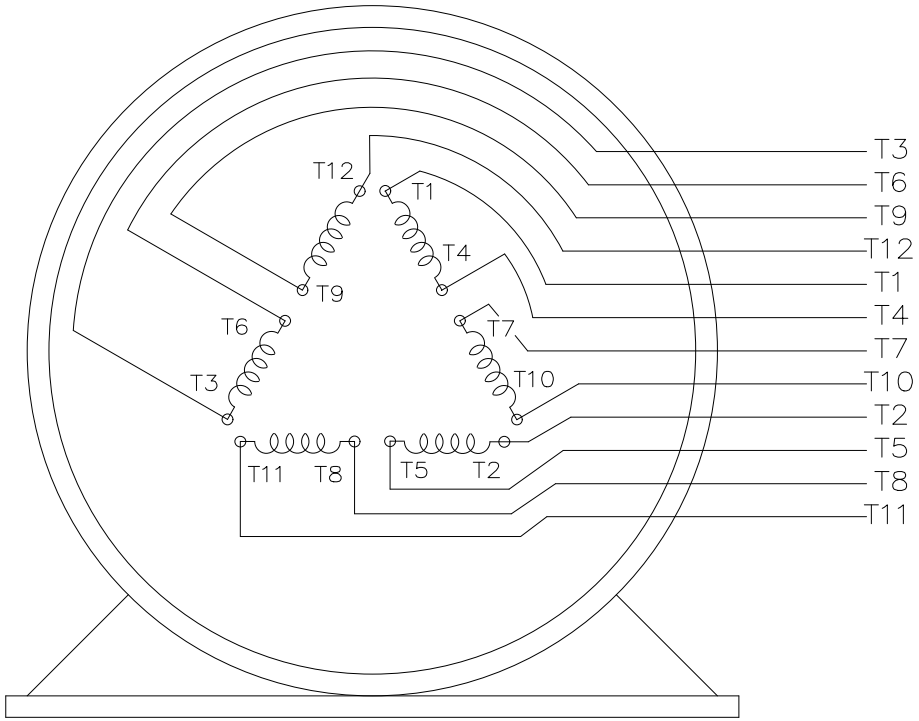
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REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 07/25/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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DRAWN BY: ZXW	marathon™
DATE: 21/07/2016	
APPROVED BY:	DESCRIPTION: OUTLINE 444/445/447/449TS FR NEMA ODP CAST IRON
DATE:	
REFERENCE:	MATERIAL: / PROCESS/FINISH:
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620756 / SHEET: 1 OF 1

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VIEW OF TERMINAL END

T12(W4)
T1(U1)
T6(W2)
T7(U3)
LINE 1

T2(V1)
T4(U2)
T8(V3)
T10(U4)
LINE 2

T3(W1)
T5(V2)
T9(W3)
T11(V4)
LINE 3

DRAWING REVISION: E	REVISION BY: SB	REV DATE/ © DATE: 08/04/2025
REQUEST NUMBER: CR-0023654	APPROVED BY: SBD	DATE: 08/04/2025
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DRAWN BY: RJW	marathon™	
DATE: 02/11/2005		
APPROVED BY: GK	DESCRIPTION: CONNECTION DIAGRAM 12 LEAD - SINGLE VOLTAGE	
DATE: 02/11/2005		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: A / DRAWING NUMBER: EE7300BH	SHEET: 1 OF 1