marathon®

General Purpose Motors

Model No: 284TTDBD6101
Catalog No: GT00113

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 900 RPM, 284T Frame, DP

©2026 Marathon, All Rights Reserved.

marathon®

Product Information Packet: Model No: 284TTDBD6101, Catalog No: GT00113 General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 900 RPM, 284T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**10 & 7.50 Hp**
Output KW	**7.5 & 5.6 kW**	Voltage	**230/460 & 190/380 V**
Speed	**880 & 735 r/min**	Synchronous RPM	**900 & 750 r/min**
Service Factor	**1.15 & 1.15**	Frame	**284T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**90.2 & 89.1 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**30/15 & 26.2/13.1 A**
Power Factor	**74.8**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6311**
Opp Drive End Bearing Size	**6210**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

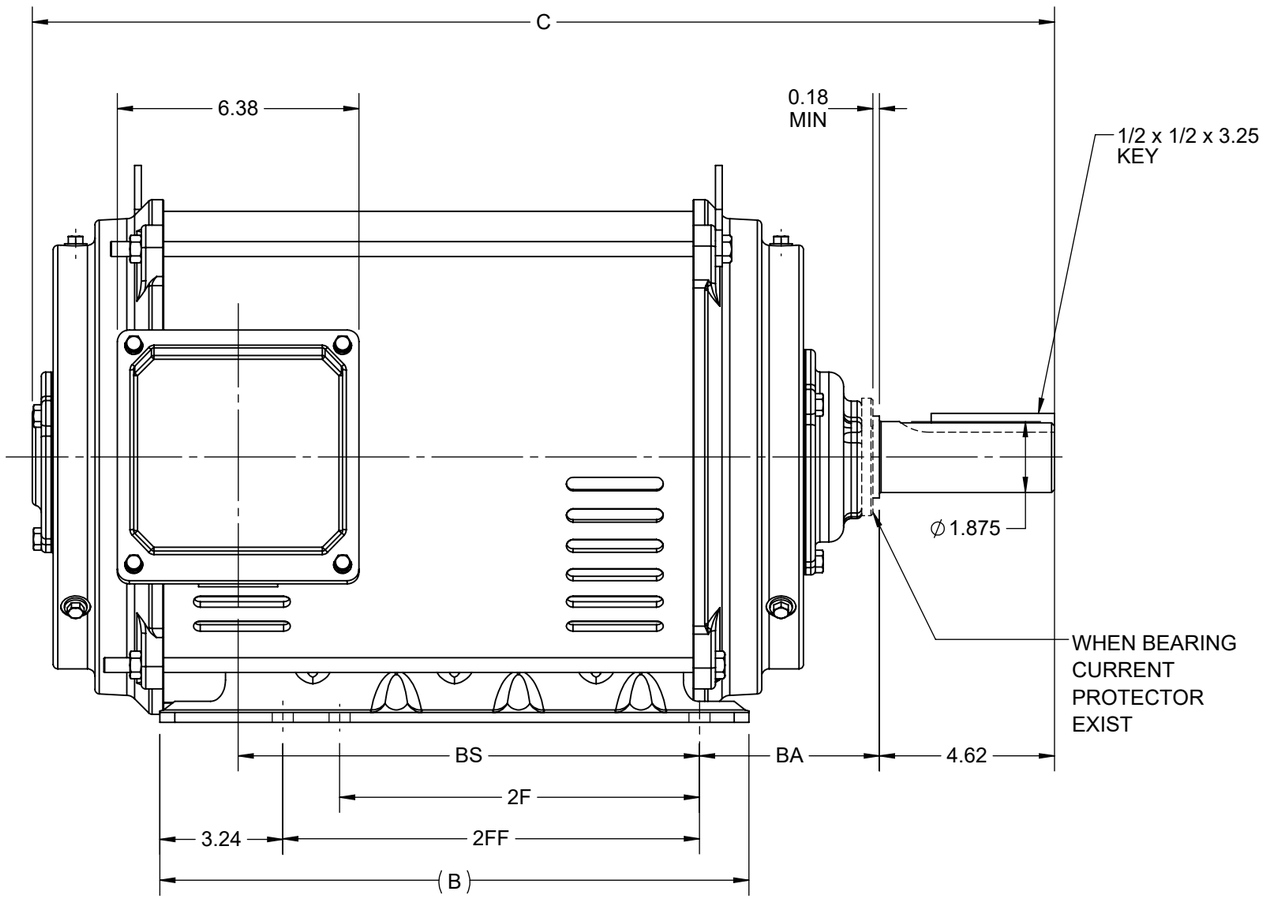
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Part Wdg Start Low Volt Only & Wye Start Delta Run Or Inverter**
Poles	**8**	Rotation	**Reversible**
Resistance Main	**.8295 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Variable 10:1**		

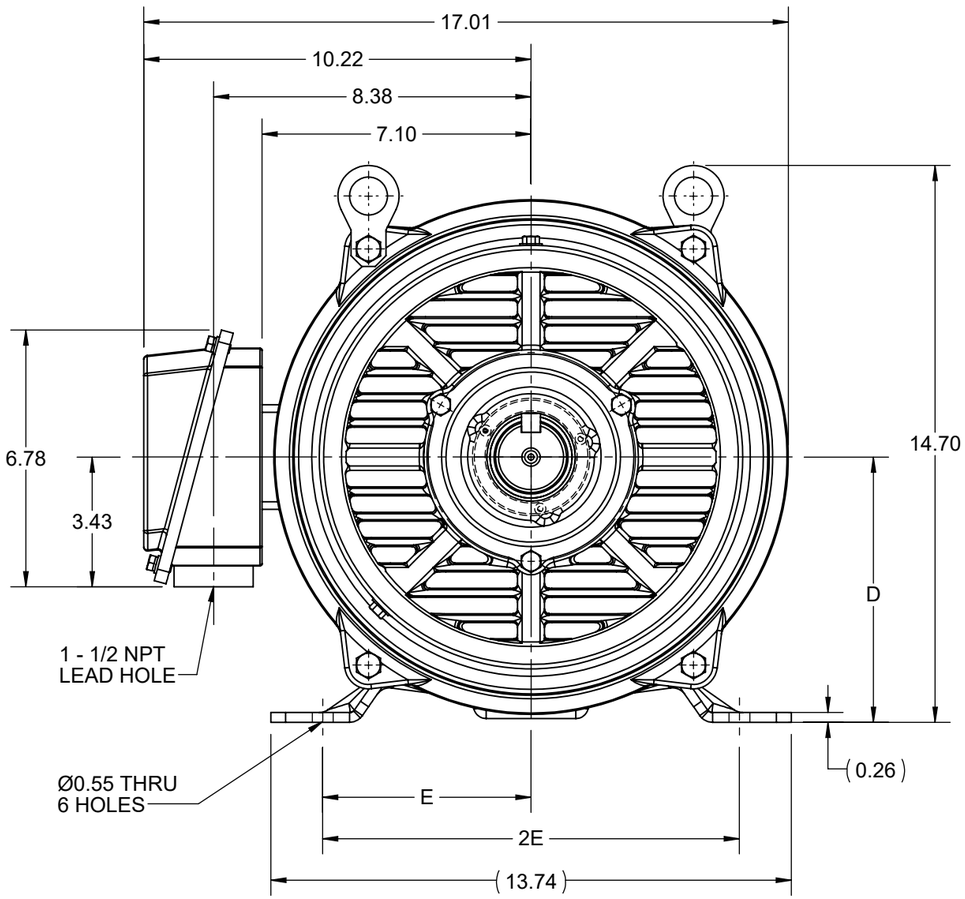
Drawings

Connection Drawing	**EE7308FT**	Outline Drawing	**SS620687-100**

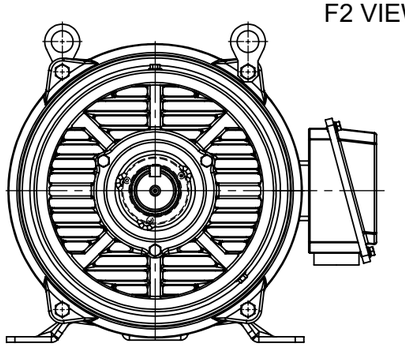
This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created: 16/10/2026

DASH NO.	B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	15.55	25.60	7.00	5.50	11.00	9.50	11.00	4.75	10.80	F1 OR F2	284T
200		26.98							12.18		286T





F2 VIEW



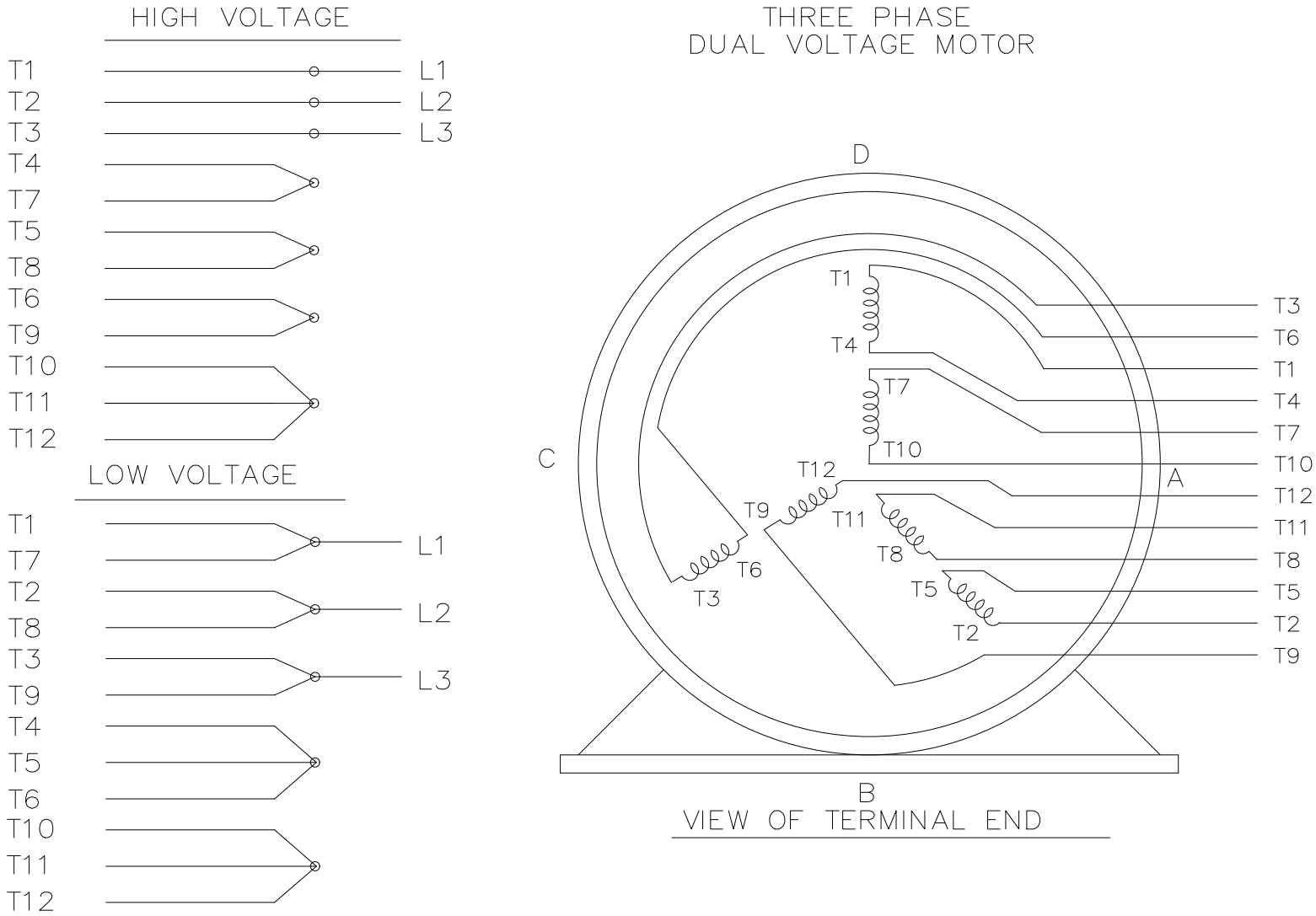
DRAWING REVISION: F	REVISION BY: SB	REV DATE/© DATE: 07/22/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 07/22/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: XZ	marathon™	
DATE: 17/04/2017	DESCRIPTION: OUTLINE 284/286T FR NEMA ODP RS	
APPROVED BY		
DATE		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620687	SHEET: 1 OF 1

Uncontrolled Copy



DRAWING REVISION: C	REVISION BY: SB	REV DATE/ © DATE: 10/08/2025
REQUEST NUMBER: CR-0024284	APPROVED BY: RMS	DATE: 10/08/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

COPYRIGHT (PER REVISION DATE) MARATHON ELECTRIC, LLC. ALL RIGHTS RESERVED.
PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF MARATHON ELECTRIC, LLC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.

PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: JJB	marathon™	
DATE: 06/05/2007		
APPROVED BY: BW	DESCRIPTION: CONNECTION DIAGRAM 3Ø - DUAL VOLTAGE MOTOR	
DATE: 06/05/2007		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: A	DRAWING NUMBER: EE7308FT — SHEET: 1 OF 1