marathon®

General Purpose Motors

Model No: 182TTFBD6004
Catalog No: GT1309A

General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 182TC Frame, TEFC

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Product Information Packet: Model No: 182TTFBD6004, Catalog No: GT1309A General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 182TC Frame, TEFC

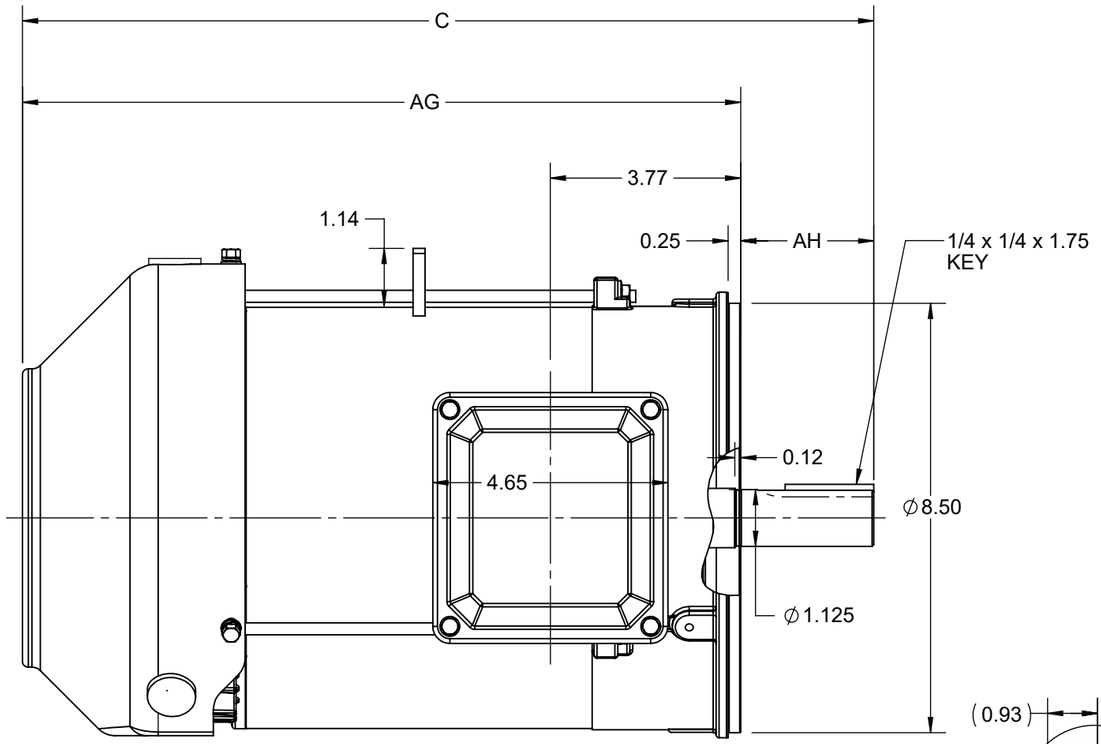
Nameplate Specifications			
Phase	**3**	Output HP	**3 & 2 Hp**
Output KW	**2.2 & 1.5 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3530 & 2944 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**86.5 & 84.9 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**8/4 & 6.8/3.4 A**
Power Factor	**82**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**L**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

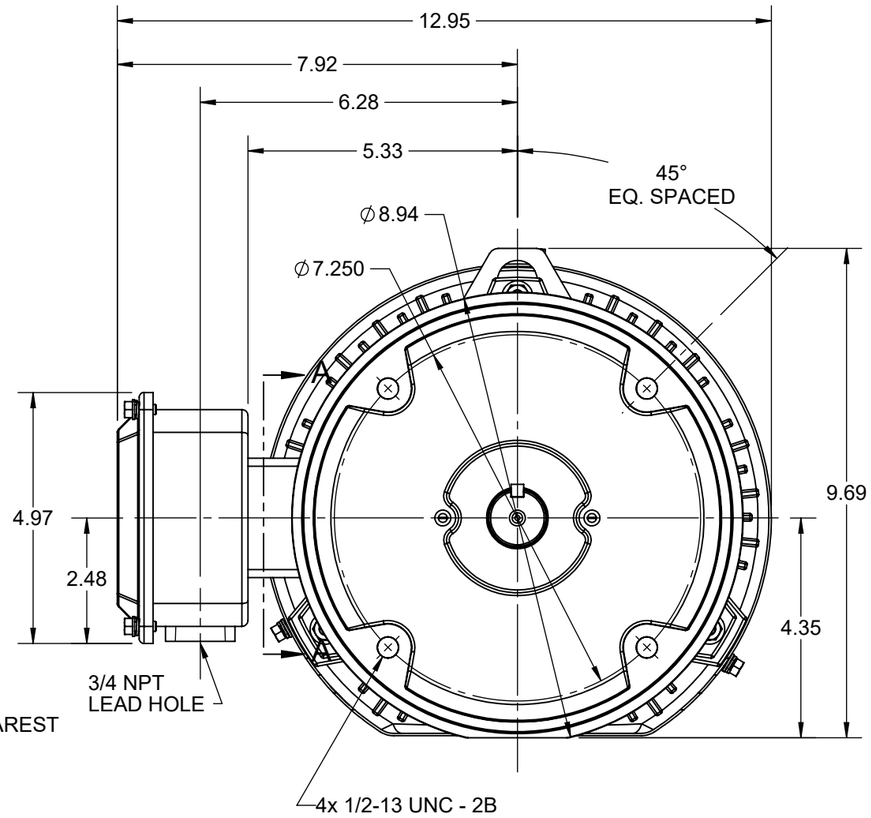
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**5.35 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**15.85 in**
Frame Length	**5.85 in**	Shaft Diameter	**1.125 in**
Shaft Extension	**2.75 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 10:1**		

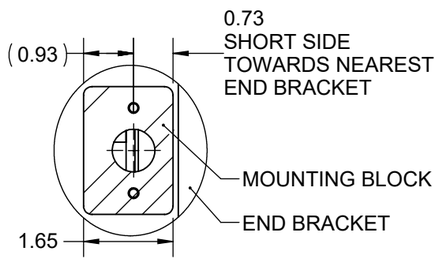
Drawings			
Connection Drawing	**EE7308**	Outline Drawing	**SS600201-100**

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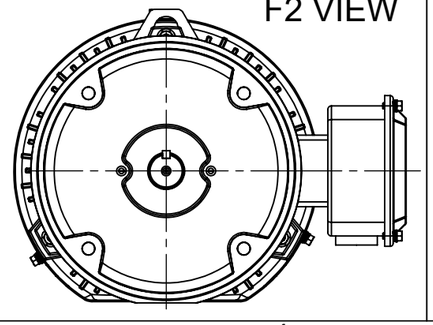
DASH NO.	C	AG	AH	MOUNTING	FRAME
100	15.85	13.22	2.62	F1 OR F2	182TC
200	16.85	14.22			184TC







SECTION A-A
MOUNTING BLOCK
ORIENTATION



DRAWING REVISION: E	REVISION BY: SB	REV DATE/© DATE: 07/23/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 07/23/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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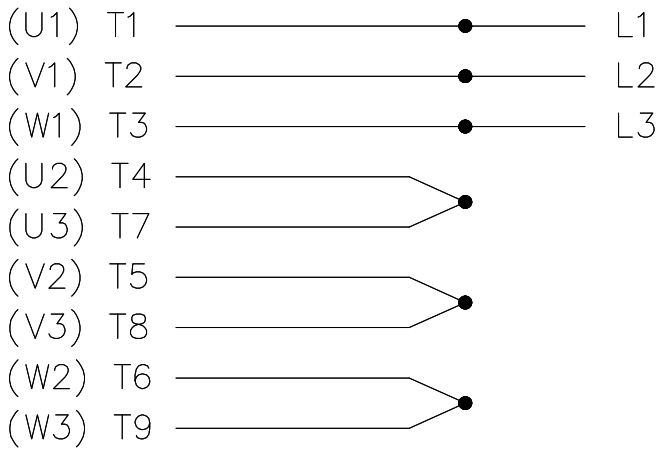
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: PRIYA	marathon™	
DATE: 08/03/2018	DESCRIPTION: OUTLINE 182/184TC FR TEFC RS, FOOTLESS	
APPROVED BY: SBD		
DATE: 08/03/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600201	SHEET: 1 OF 1

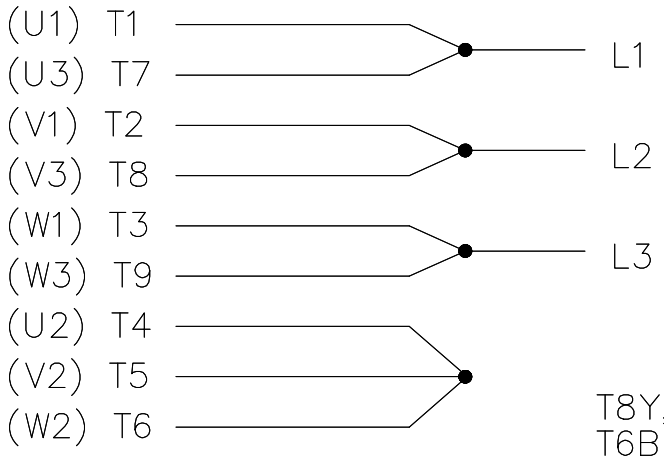
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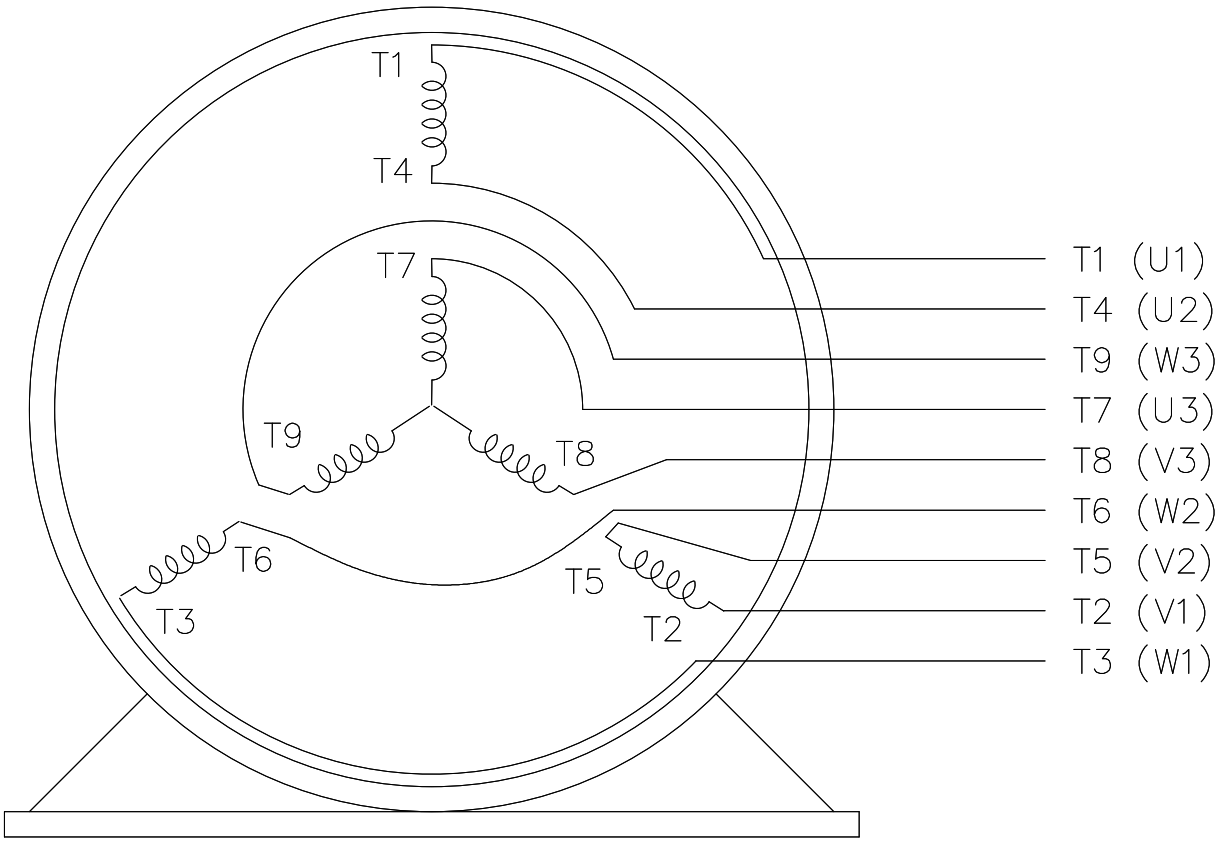
THREE PHASE
DUAL VOLTAGE MOTOR

HIGH VOLTAGE



LOW VOLTAGE





VIEW OF TERMINAL END

REF.
WINDING DIAGRAM

T8Y, T2Y, T2BL, T4BX, T2EC, T2G
T6BZ, T2B, T6BL, T4AV, T6B, T4B

OPTIONAL CORD CONNECTION

L1	WHITE
L2	RED
L3	BLACK

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

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DRAWN BY: RM	
DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

marathon™

DESCRIPTION
CONN DIAGRAM-EXTERNAL
3Ø - DUAL VOLTAGE MOTOR

MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7308	1 OF 1

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

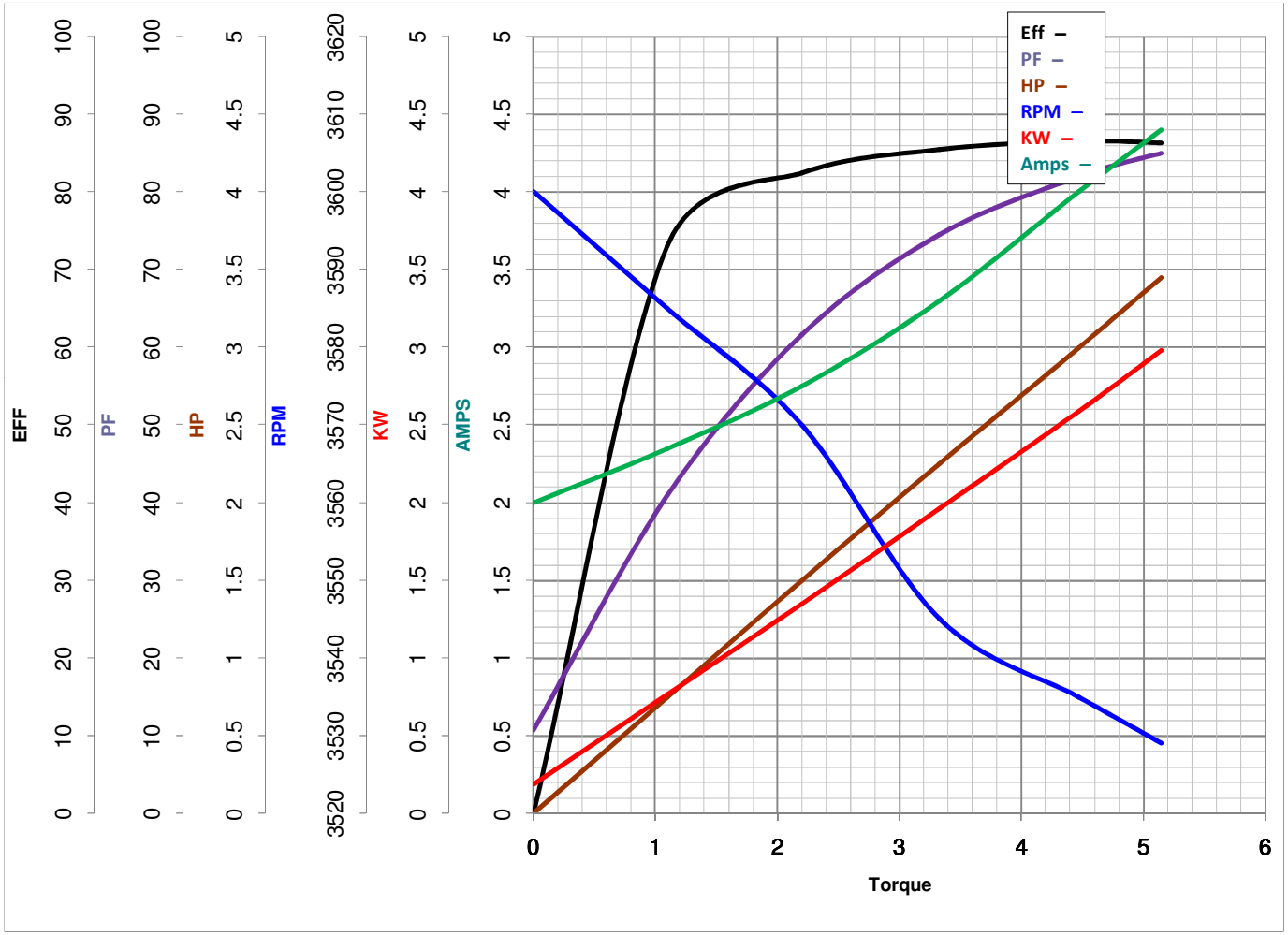
Customer

Curve at 460 **Volts** **HP** 3&2 **PHASE** 3

60 **HZ**

Model No 182TTFBD6004 3 **HP** **VOLTS** 230/460&190/380

Catalog No GT1309A **HZ** 60&50 **RPM** 3522&2935



Torque in Lb.Ft

FL TORQUE	4.475 **Lb.Ft**		**FL AMPS**	4	
BD TORQUE	16.0 **Lb.Ft**		**PU TORQUE**	8.0	**Lb.Ft**
LR TORQUE	9 **Lb.Ft**		**LR AMPS**	32	
WINDING	HE31122014-3	**Prepared By** FAREEDA		**Date**	5/28/2018