marathon®

General Purpose Motors

Model No: 182TTFCD6030
Catalog No: GT1110A

General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 182T Frame, TEFC

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Product Information Packet: Model No: 182TTFCD6030, Catalog No: GT1110A General Purpose Motor, 3 HP, 3 Ph, 60 Hz, 575 V, 1800 RPM, 182T Frame, TEFC

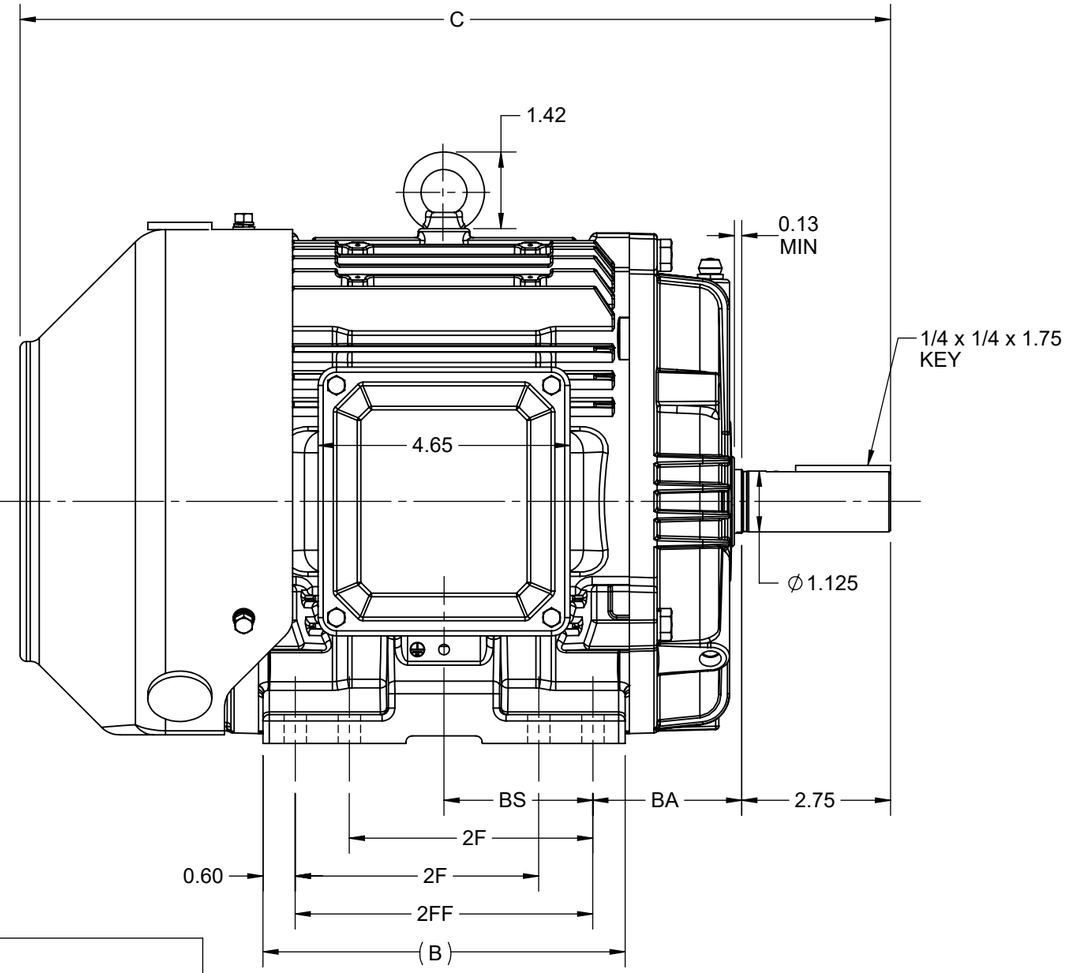
Nameplate Specifications			
Phase	**3**	Output HP	**3 Hp**
Output KW	**2.2 kW**	Voltage	**575 V**
Speed	**1765 r/min**	Synchronous RPM	**1800 r/min**
Service Factor	**1.15**	Frame	**182T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**3.45 A**
Power Factor	**74.2**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**K**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6205**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**55**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

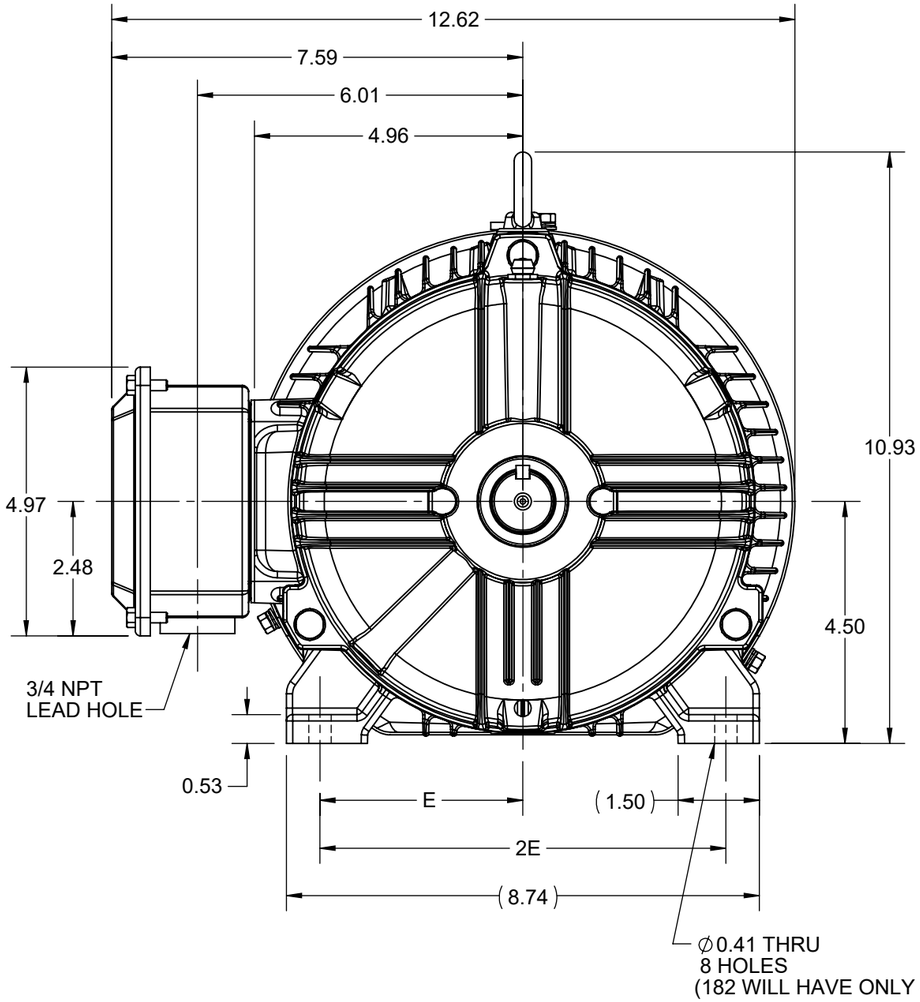
Technical Specifications			
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**4.473 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**15.08 in**
Frame Length	**5.82 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**		

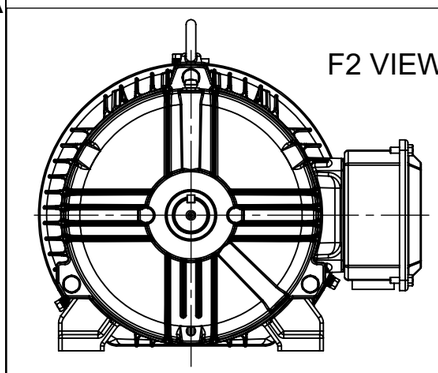
Drawings			
Connection Drawing	**EE7300**	Outline Drawing	**SS620855-100**

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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	5.67	15.08	3.75	7.50	-	4.50	2.75	2.35	F1 OR F2	182T
200	6.69	16.08			4.50	5.50		2.75		182/184T







DRAWING REVISION: C	REVISION BY: SB	REV DATE/© DATE: 08/08/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 08/08/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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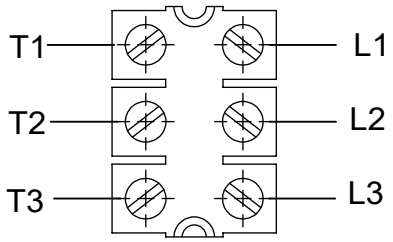
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
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DRAWN BY: WZ	marathon™	
DATE: 08/11/2017	DESCRIPTION: OUTLINE 182/184T FR-NEMA TEFC CAST IRON	
APPROVED BY: WY		
DATE: 08/11/2017		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS620855	SHEET: 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

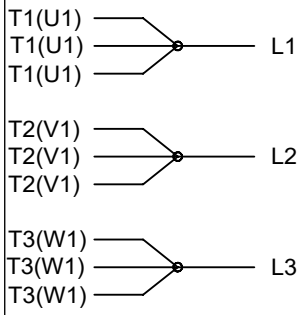
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

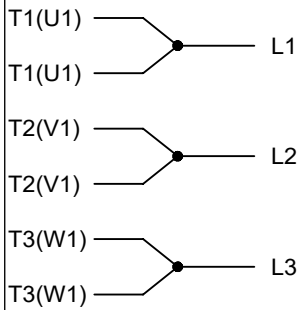


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AD	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: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL	PROCESS/FINISH

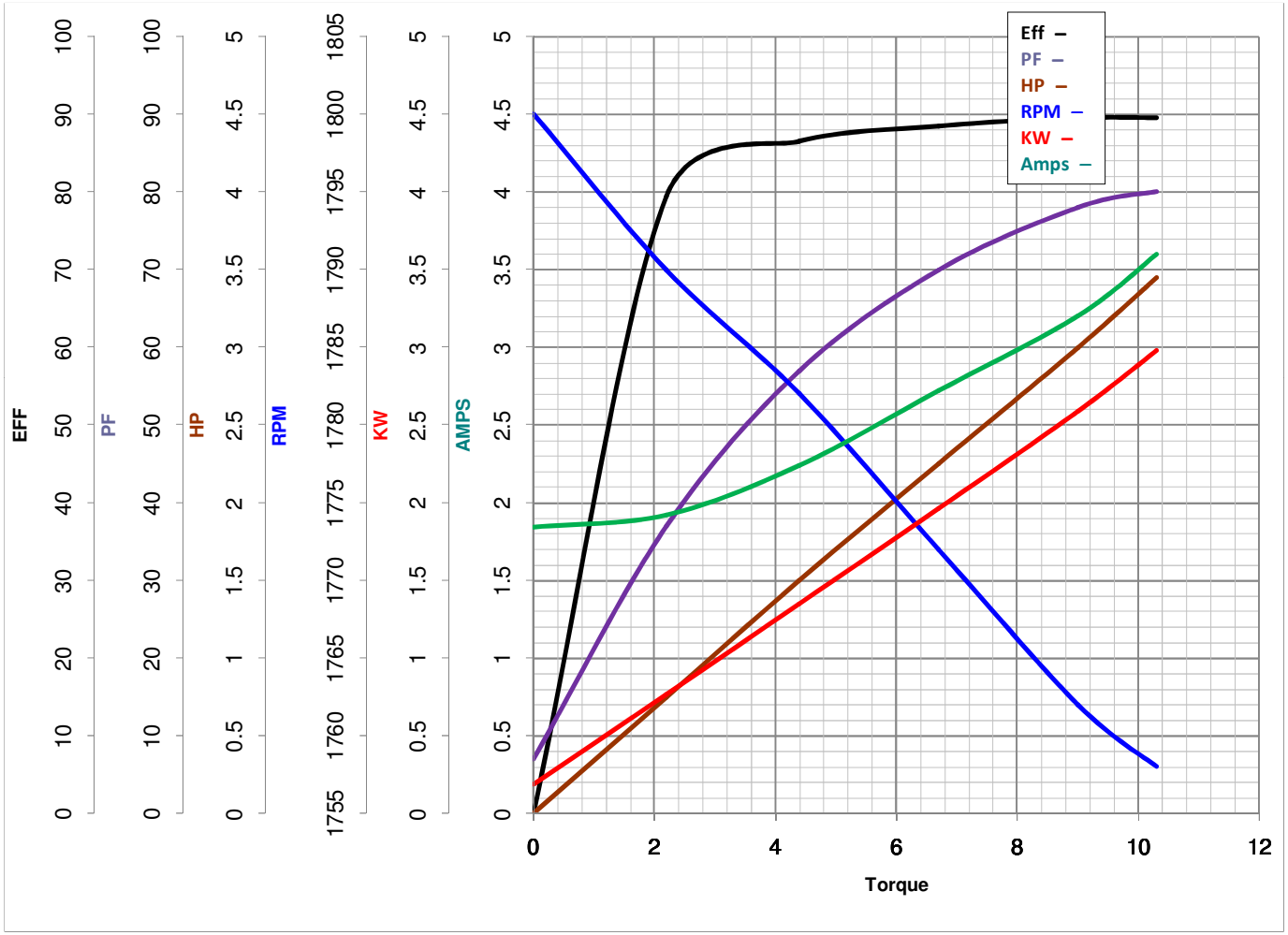
SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	575	**Volts**	**HP** 3.00	**PHASE**	3
			60	**HZ**			
Model No 182TTFCD6030			3	**HP**	**VOLTS** 575		
Catalog No GT1110A					**HZ** 60	**RPM**	1762



Torque in Lb.Ft

FL TORQUE	9	**Lb.Ft**	**FL AMPS**	3.2	
BD TORQUE	29.0	**Lb.Ft**	**PU TORQUE**	17.0	**Lb.Ft**
LR TORQUE	20	**Lb.Ft**	**LR AMPS**	25.6	
WINDING	HE31124021-2	**Prepared By**	FAREEDA	**Date**	5/9/2018