marathon®

General Purpose Motors

Model No: 182TTFCD6026
Catalog No: GT1010A

General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182T Frame, TEFC

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Product Information Packet: Model No: 182TTFCD6026, Catalog No: GT1010A General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182T 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	**1765 & 1472 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182T**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 & 86.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**8.6/4.3 & 7.55/3.8 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

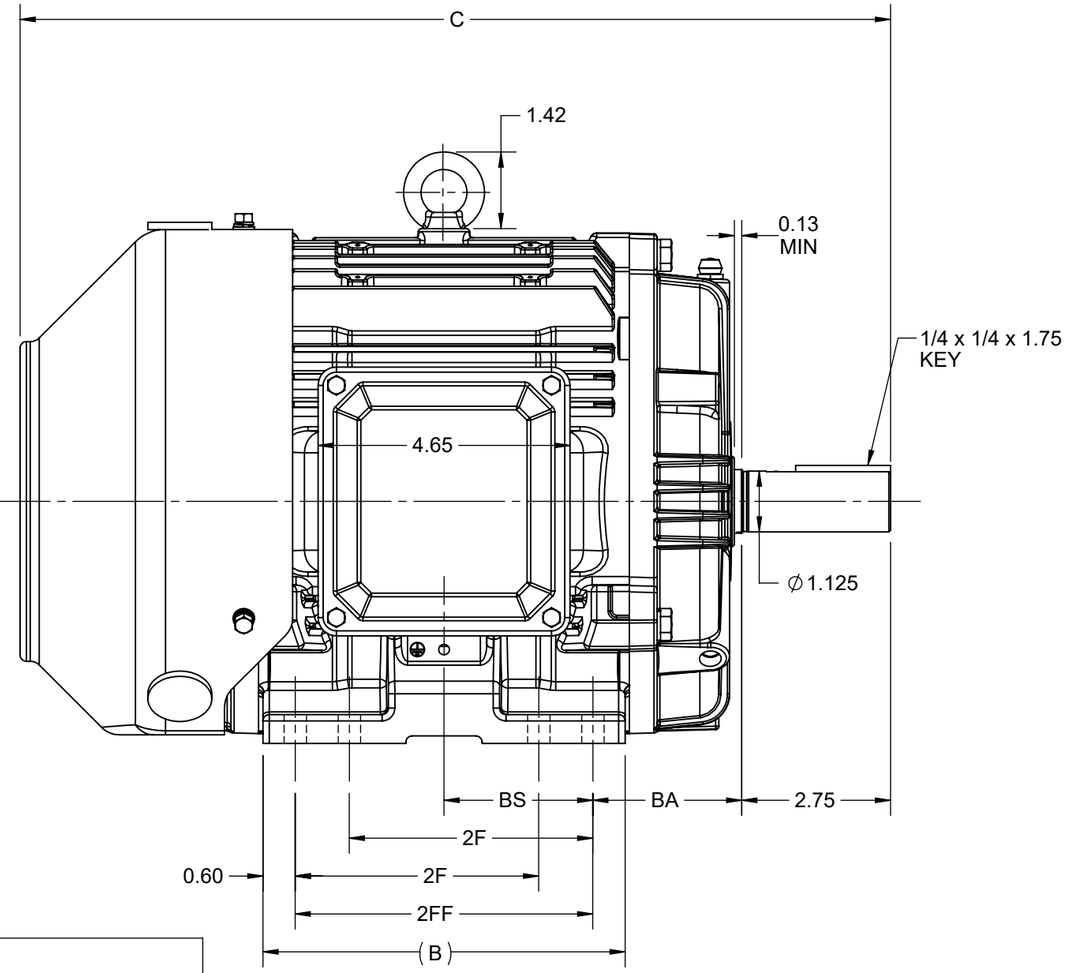
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**4.473 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Cast Iron**
Shaft Type	**T**	Overall Length	**15.08 in**
Frame Length	**5.85 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**		

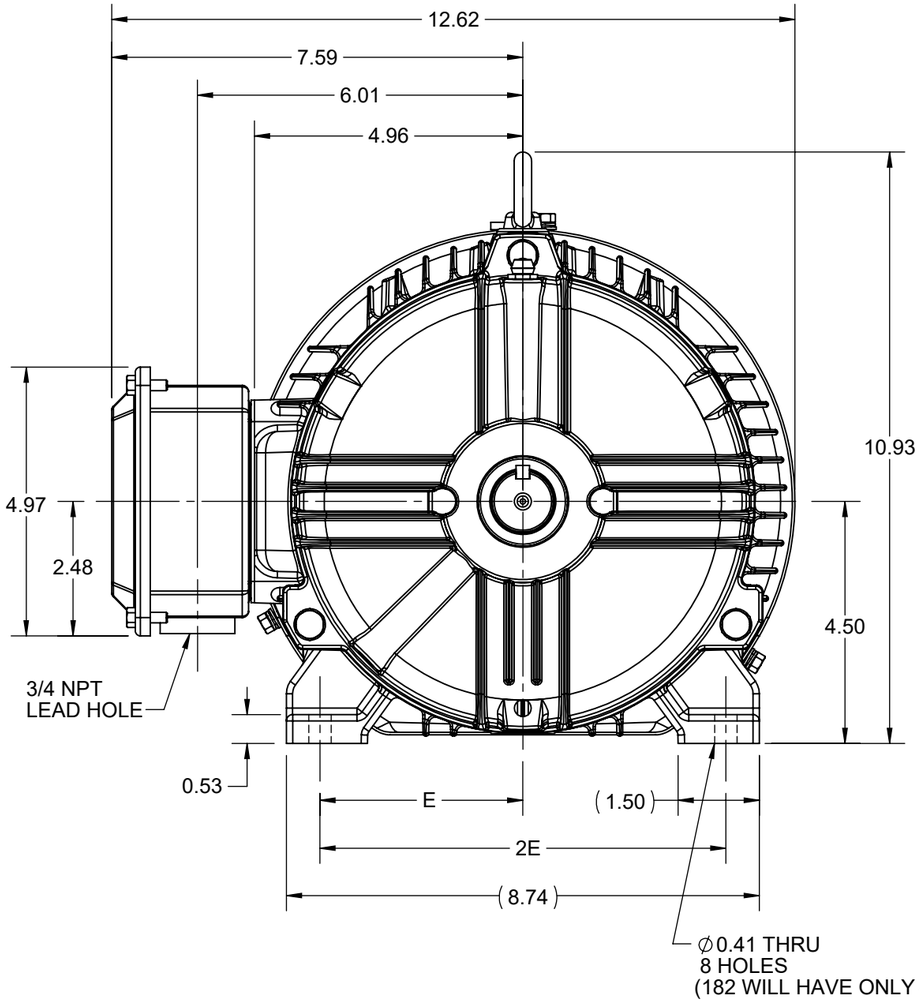
Drawings

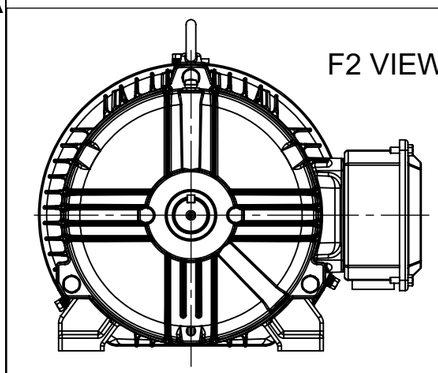
Connection Drawing	**EE7308**	Outline Drawing	**SS620855-100**

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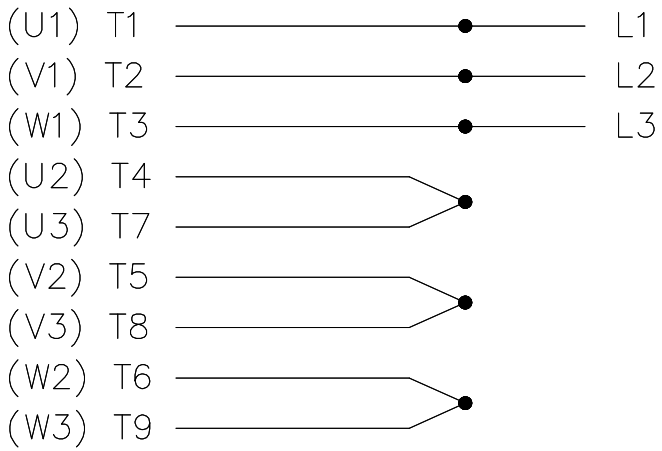
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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

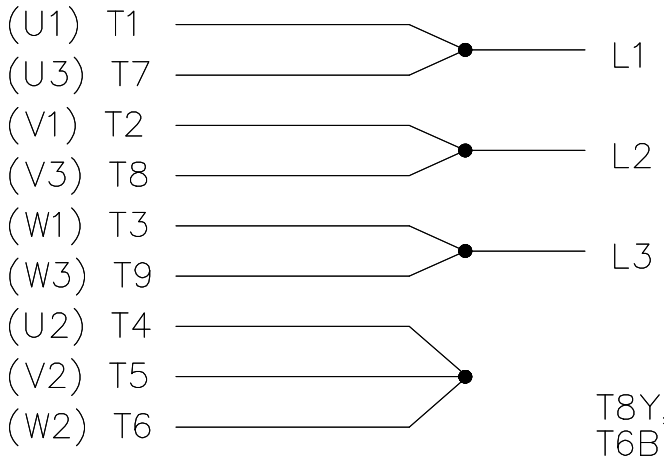
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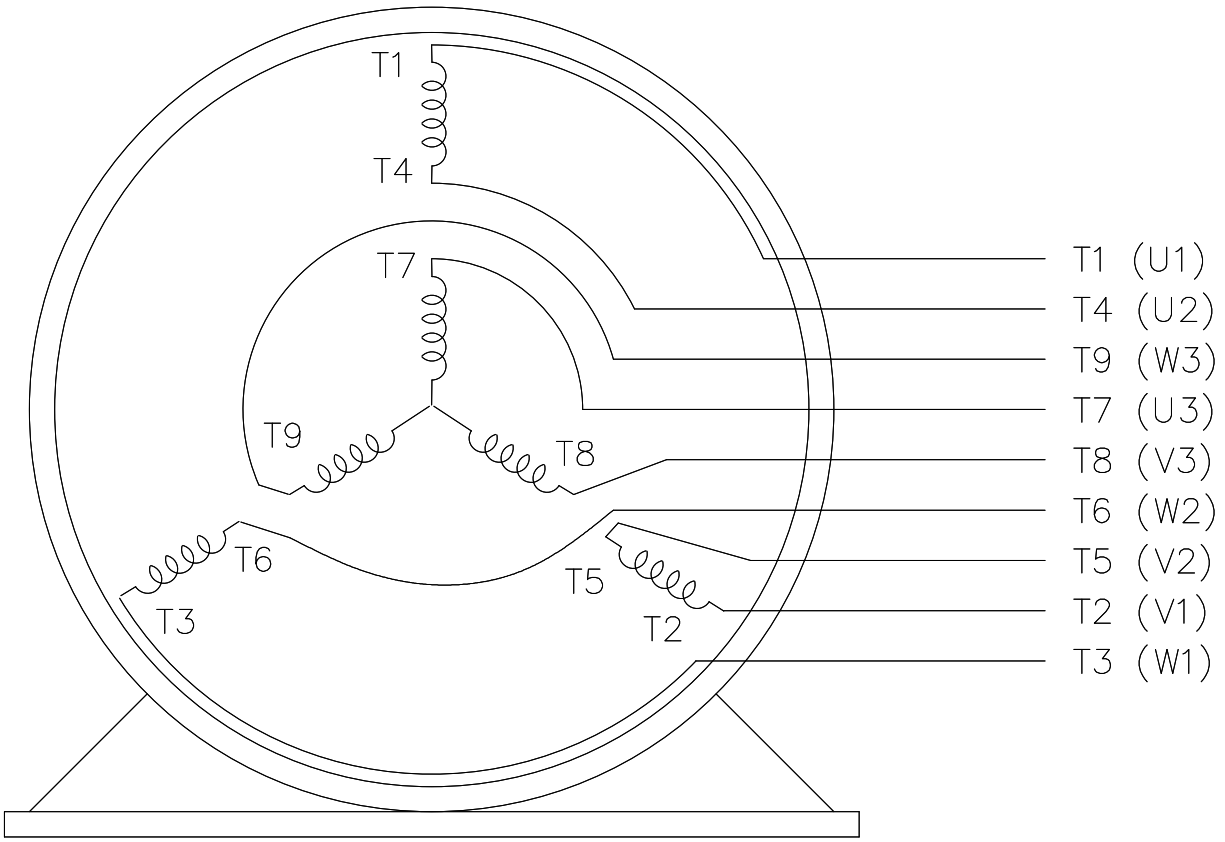
THREE PHASE
DUAL VOLTAGE MOTOR

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
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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

Uncontrolled Copy

Data Sheet

Date: 7/16/2020
Customer:
Attention:
Submitted by:

182TTFCD6026

Submittal

Data @ 460 **V**

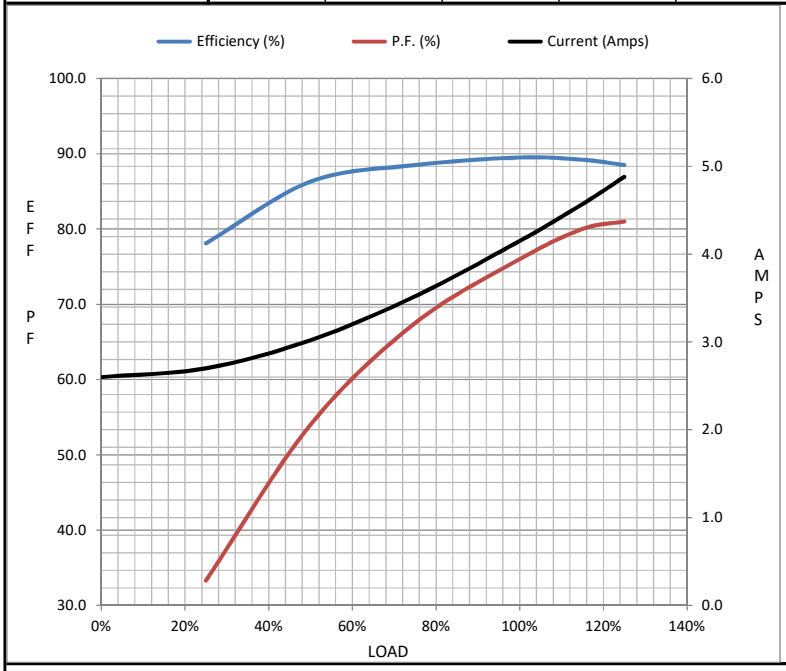
marathon® Motors

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.60	2.70	3.0	3.5	4.2	4.6	4.9	37.0	
Torque (ft-lb)	0.00	2.20	4.4	6.7	9.0	10.3	11.2	23.0	
RPM	1800	1792	1785	1778	1770	1,766	1762	0	
Efficiency (%)		78.1	86.3	88.5	89.5	89.2	88.5		
P.F. (%)	7.3	33.3	54.0	67.5	76.0	80.0	81.0	50.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1526	1770	1800
Current (Amps)	37.0	30.0	20.5	4.2	2.60
Torque (ft-lb)	23.0	19.5	33.5	9.0	0.00



Information Block

HP	3.0
Sync. RPM	1800
Frame	182
Enclosure	TEFC
Construction	TFC
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	L
Service Factor	1.15
Temp Rise @ FL	55 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	0.00 Lb-Ft²
Ref Wdg	HA31124026 R1
Sound Pressure @ 1M	62 dBA
VFD Rating	CONSTANT 10:1/VARIABLE 10:1
Outline Dwg	037898-912
Conn. Diag	EE7308
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.1840	1.2480	4.9350	4.9160	103.3320

Speed -Torque Curve

