marathon®

General Purpose Motors

Model No: 182TTDBD6070
Catalog No: GT0010A-P

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

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Product Information Packet: Model No: 182TTDBD6070, Catalog No: GT0010A-P General Purpose Motor, 3 & 2 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 182T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**3 & 2 Hp**
Output KW	**2.2 & 1.5 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1770 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**89.5 & 88.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**8/4 & 6.8/3.4 A**
Power Factor	**77.5**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**L**	Drive End Bearing Size	**6206**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

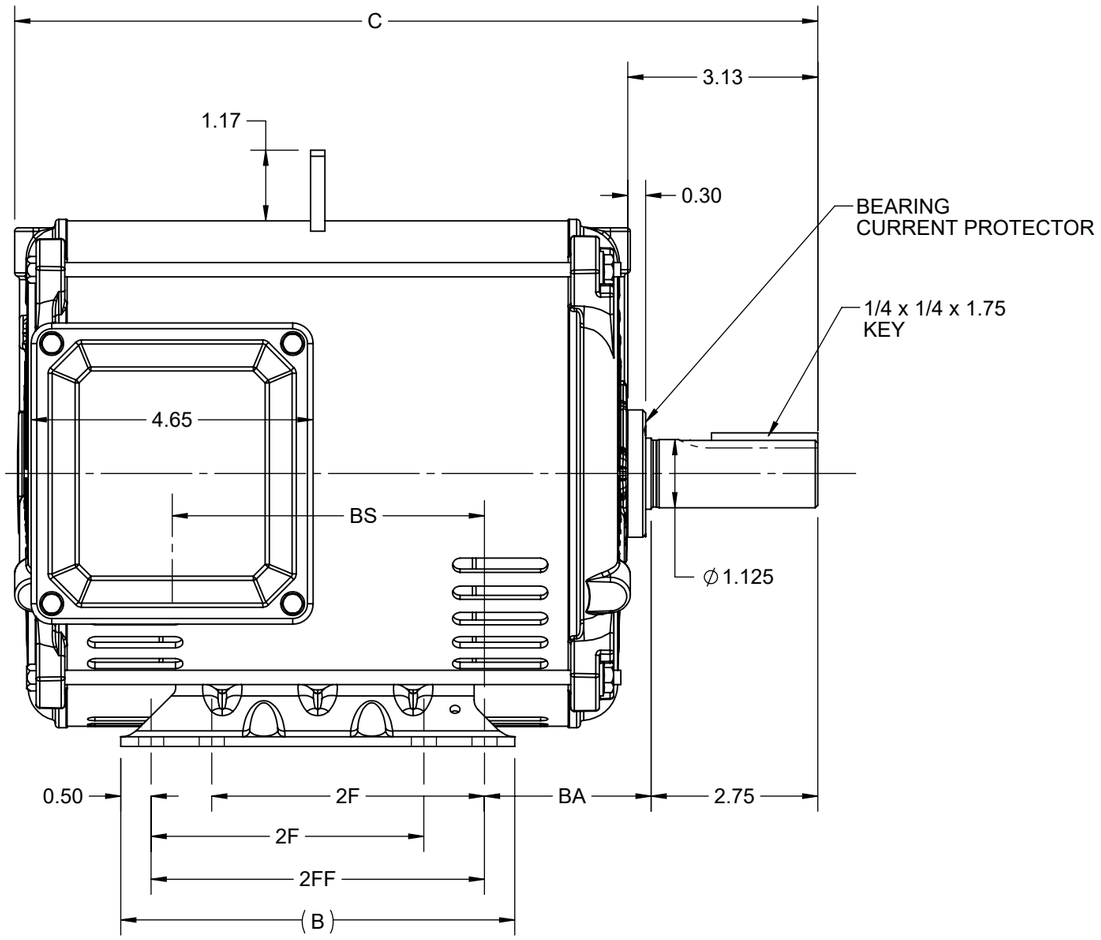
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**4.12 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

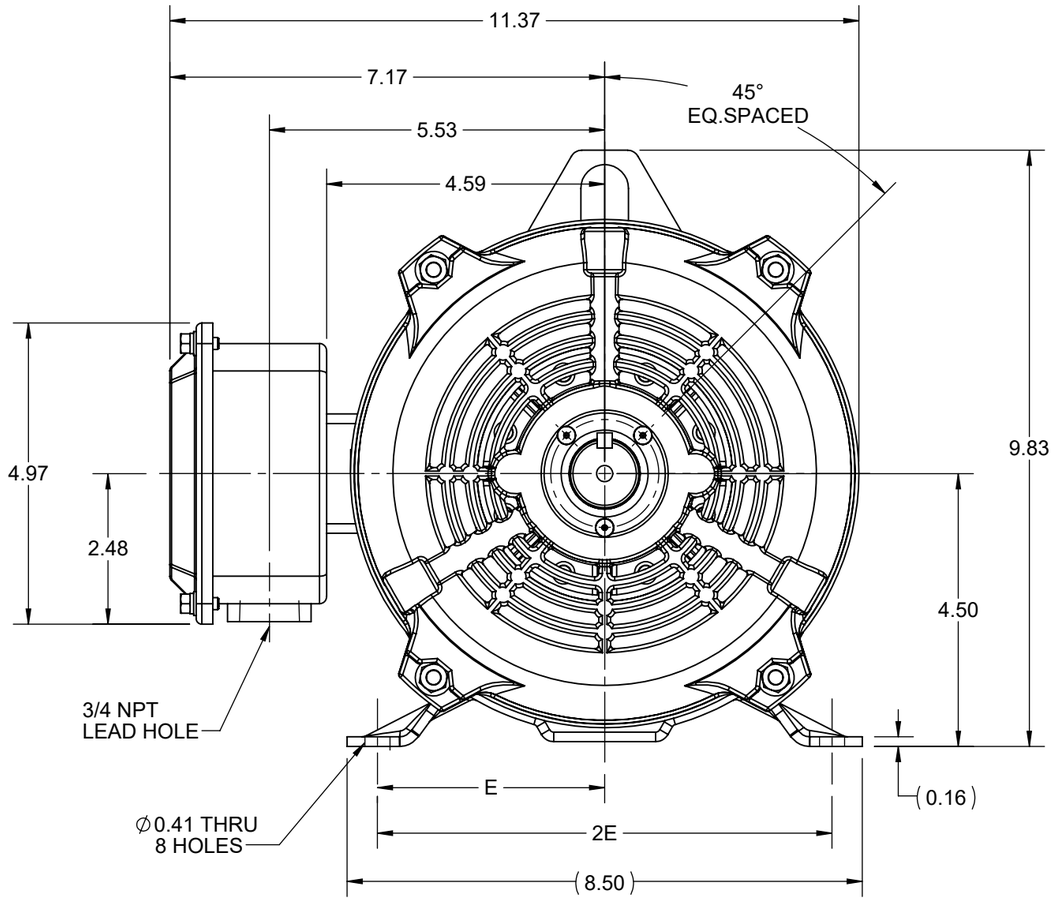
Drawings

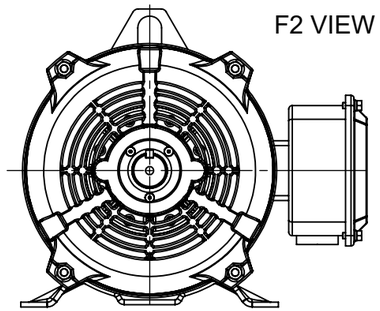
Connection Drawing	**EE7308**	Outline Drawing	**SS600227-100**

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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T
200		13.25						5.15		184T







DRAWING REVISION: D	REVISION BY: SB	REV DATE/© DATE: 07/30/2025
REQUEST NUMBER: CR-0023600	APPROVED BY: SBD	DATE: 07/30/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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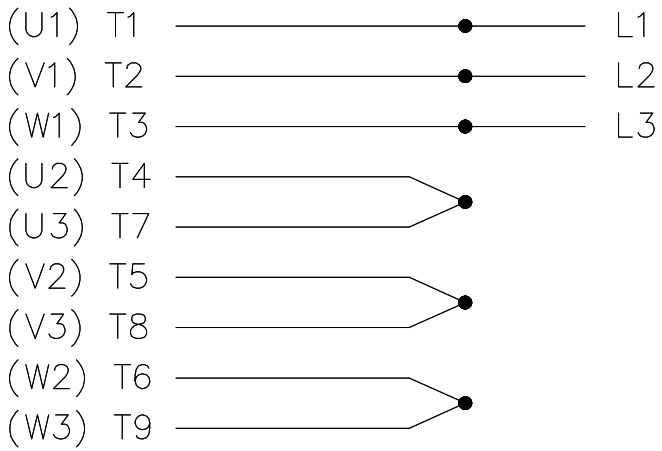
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: SP	marathon™	
DATE: 03/12/2019	DESCRIPTION: OUTLINE 182/184T FR ODP RS - SGR MOUNT	
APPROVED BY: MSH		
DATE: 03/12/2019		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600227	SHEET: 1 OF 1

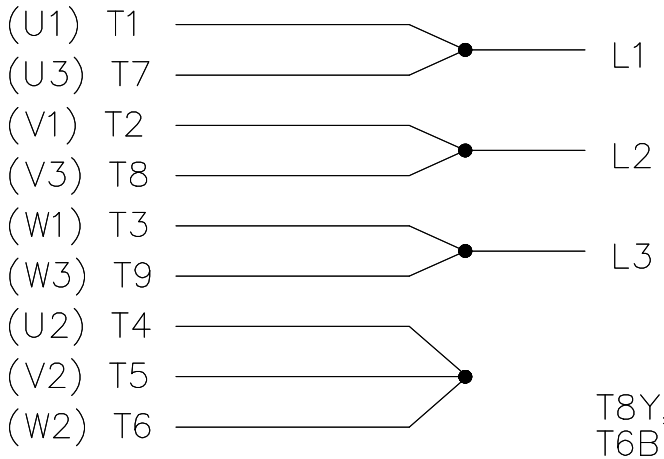
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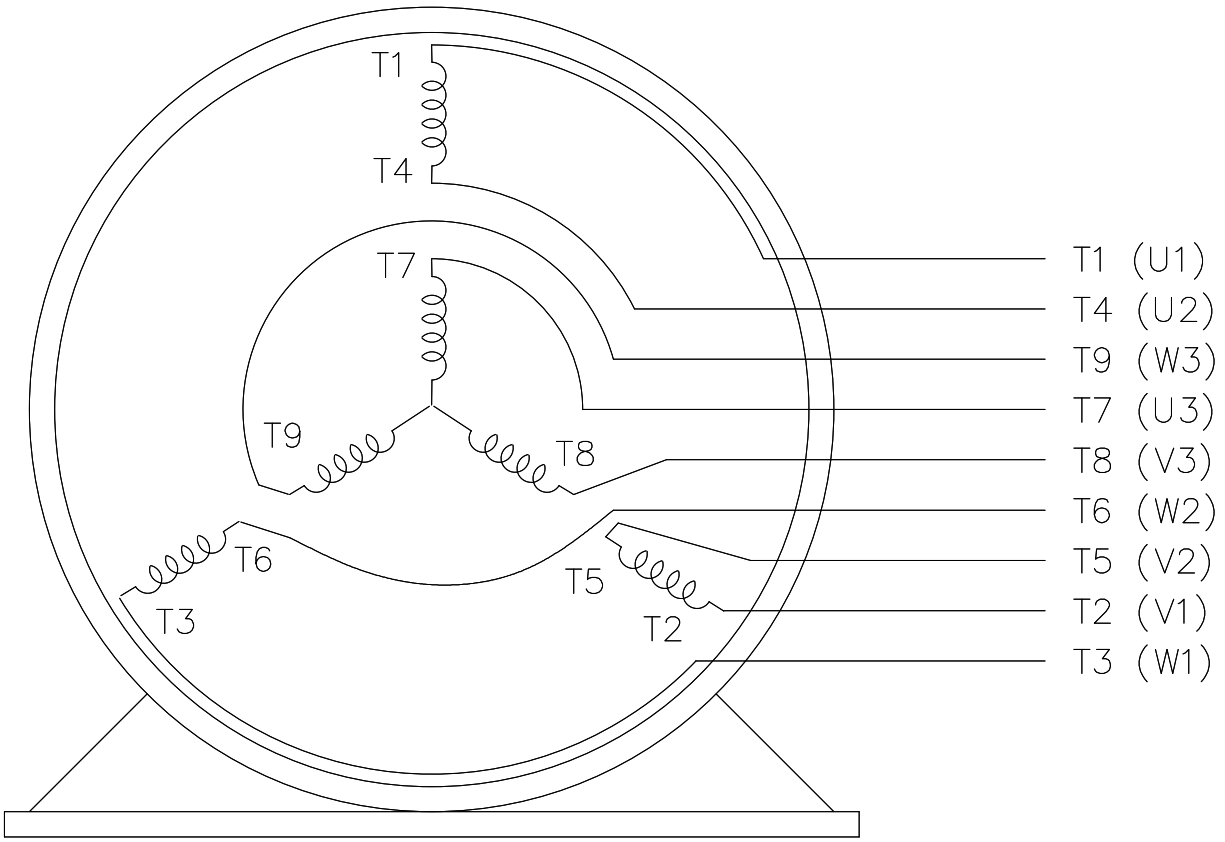
THREE PHASE
DUAL VOLTAGE MOTOR

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

Data Sheet

Date: 7/26/2022
Customer:
Attention:
Submitted by:

marathon® Motors

182TTDBD6070

Submittal

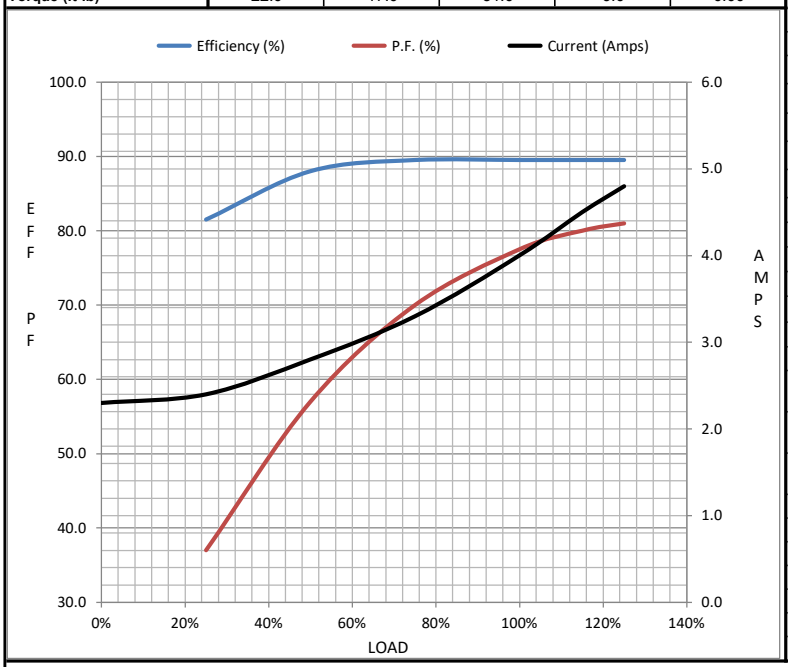
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.30	2.40	2.80	3.3	4.0	4.5	4.8	34.0	
Torque (ft-lb)	0.00	2.20	4.4	6.7	9.0	10.3	11.3	22.0	
RPM	1800	1790	1785	1776	1770	1,762	1760	0	
Efficiency (%)		81.5	88.0	89.5	89.5	89.5	89.5		
P.F. (%)	7.2	37.0	57.0	70.0	77.5	80.0	81.0	48.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1550	1770	1800
Current (Amps)	34.0	30.0	18.0	4.0	2.30
Torque (ft-lb)	22.0	17.0	31.0	9.0	0.00



Information Block

HP	3.0	
Sync. RPM	1800	
Frame	182	
Enclosure	DP	
Construction	TDB	
Voltage	208-230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	L	
Service Factor	1.15	
Temp Rise @ FL	35	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.40	Lb-Ft²
Ref Wdg	HA31124028 NONE	
Sound Pressure @ 1M	61	dBA
VFD Rating	CONSTANT 2:1/VARIABLE 10:1	
Outline Dwg		
Conn. Diag	EE7308	

Additional Specifications:

0

0

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.3340	1.3700	5.3870	5.3870	118.1250

Speed -Torque Curve

