marathon®

Close-Coupled Pump Motors

Model No: 182TTDBD6007
Catalog No: GT0412A

Close-Coupled Pump Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 182JM Frame, DP

©2026 Marathon, All Rights Reserved.

marathon®

Product Information Packet: Model No: 182TTDBD6007, Catalog No: GT0412A Close-Coupled Pump Motor, 5 & 3 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 182JM Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**5 & 3 Hp**
Output KW	**3.7 & 2.2 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3510 & 2925 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182JM**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**86.5 & 85.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**13.2/6.6 & 10/5 A**
Power Factor	**82**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**K**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6205**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

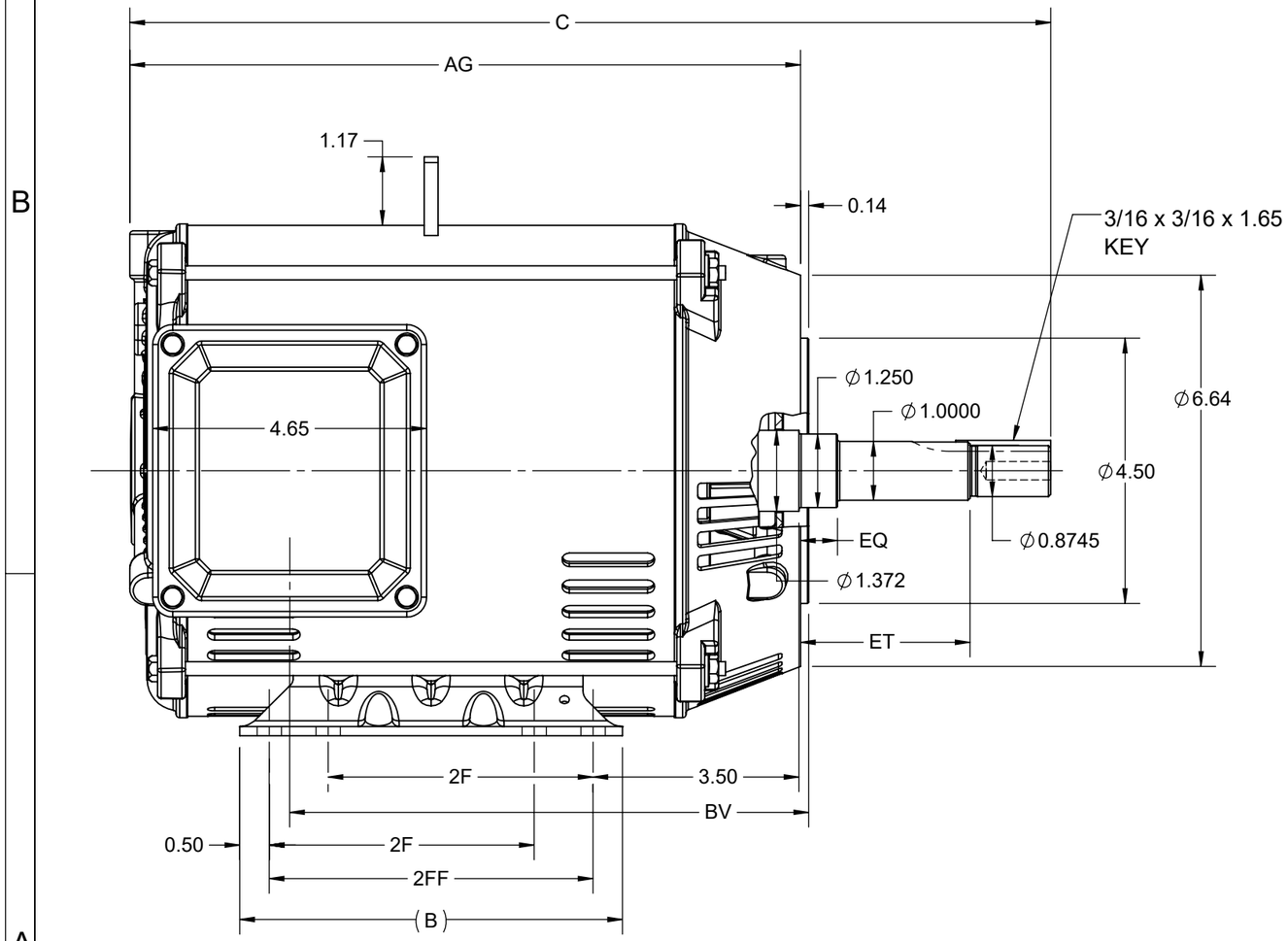
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**4.05 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Shaft Diameter	**0.874 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

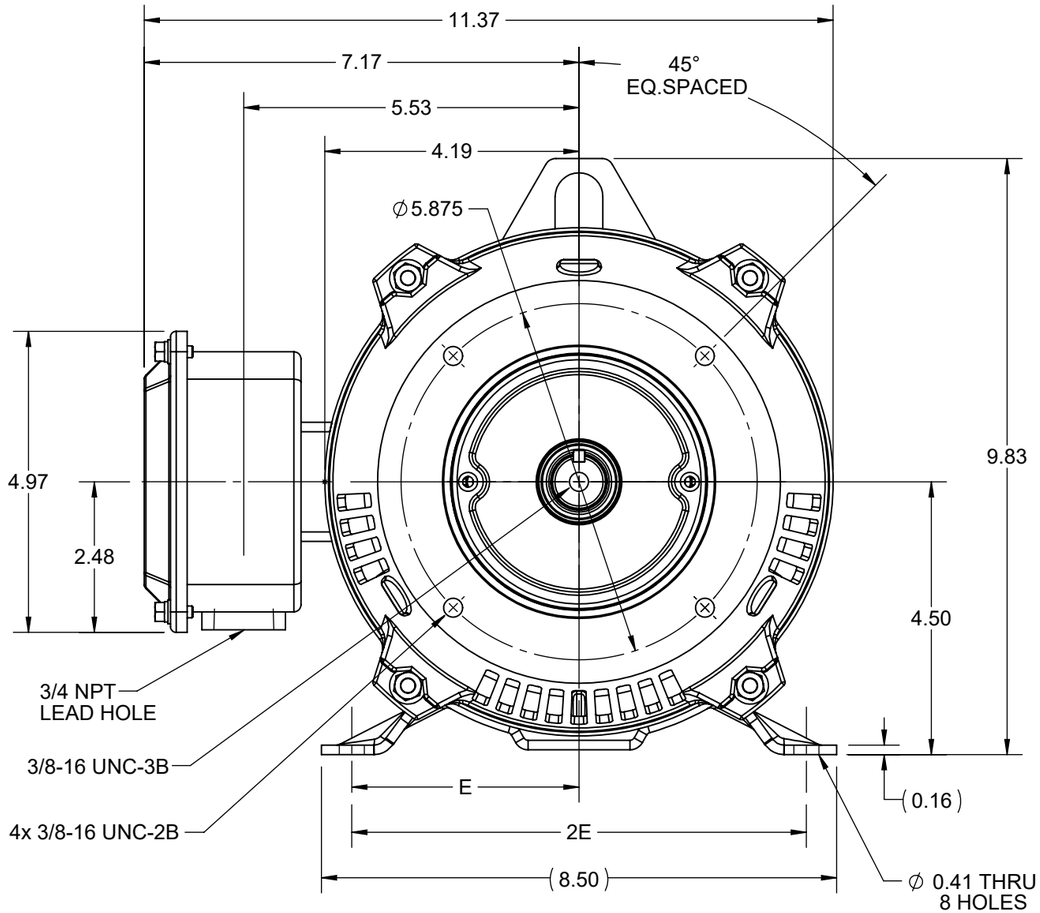
Drawings

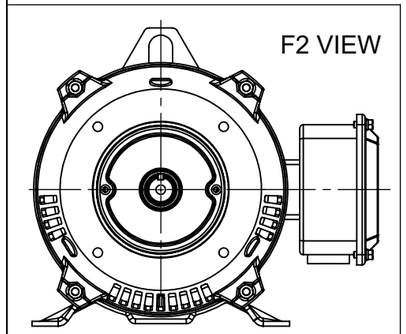
Connection Drawing	**EE7308**	Outline Drawing	**SS600204-100**

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	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	6.50	14.64	3.75	7.50	4.50	5.50	10.39	4.25	8.81	0.62	2.87	F1 OR F2	182JM
200		15.64					11.39						184JM







DRAWING REVISION: C	REVISION BY: SB	REV DATE/© DATE: 08/11/2025
REQUEST NUMBER: CR-0023556	APPROVED BY: SBD	DATE: 08/11/2025
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.

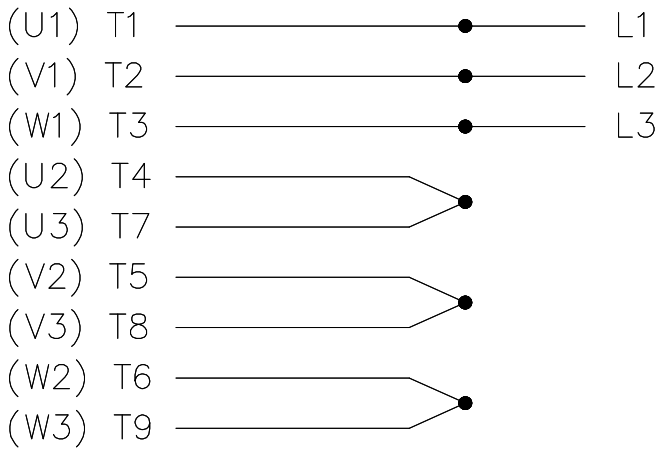
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: PRIYA	marathon™	
DATE: 12/03/2018	DESCRIPTION: OUTLINE 182/184JM FR-NEMA-ODP RS	
APPROVED BY: SBD		
DATE: 12/03/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600204	SHEET: 1 OF 1

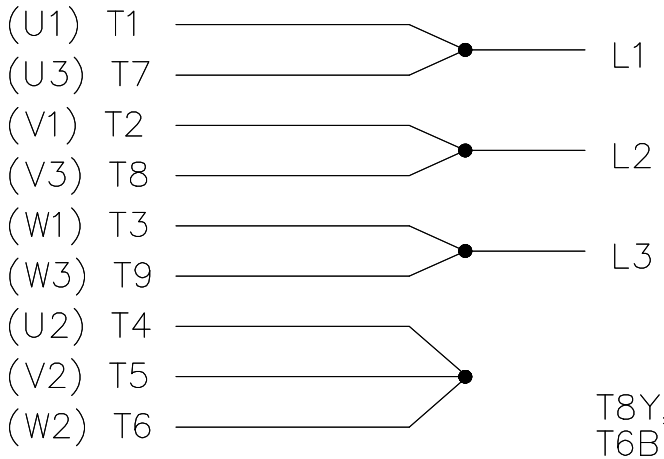
Uncontrolled Copy

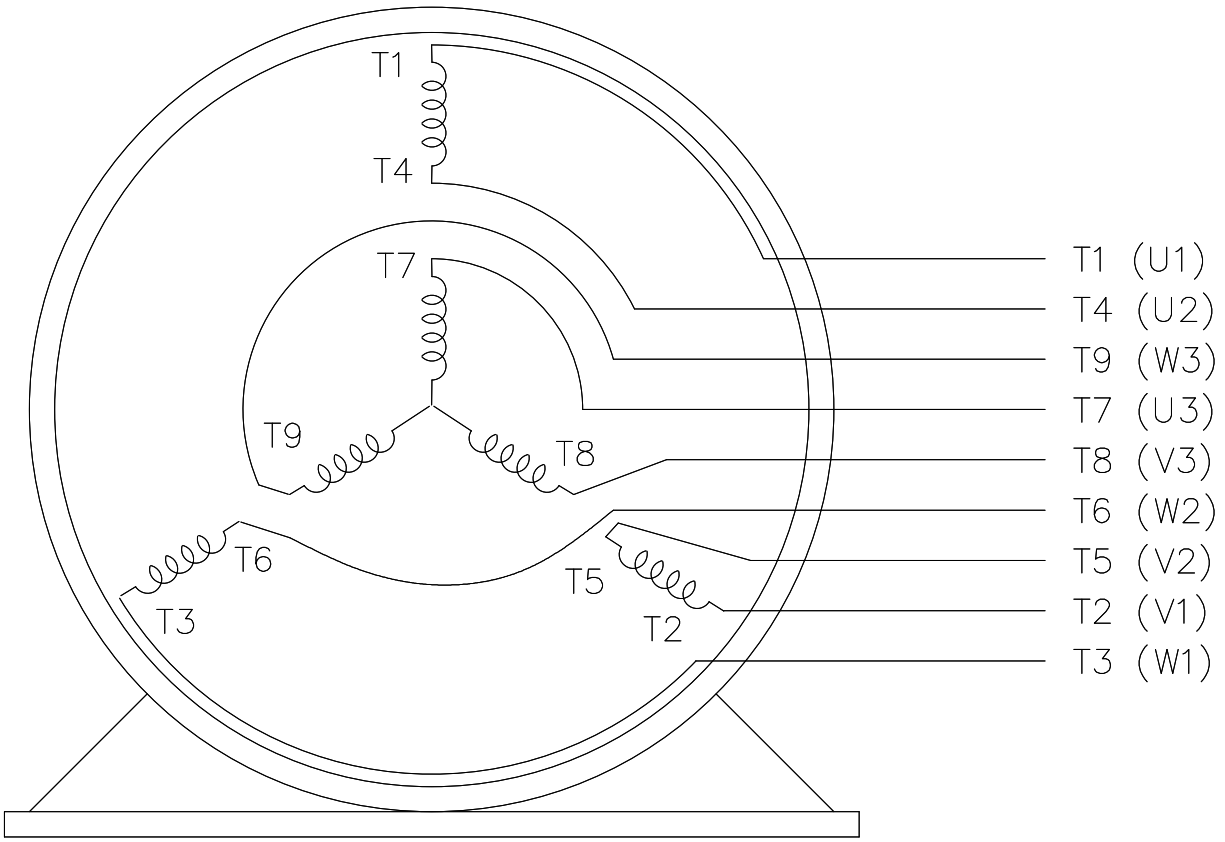
THREE PHASE
DUAL VOLTAGE MOTOR

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

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: 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: 12/1/2021
Customer:
Attention:
Submitted by:

marathon® Motors

182TTDBD6007

Submittal

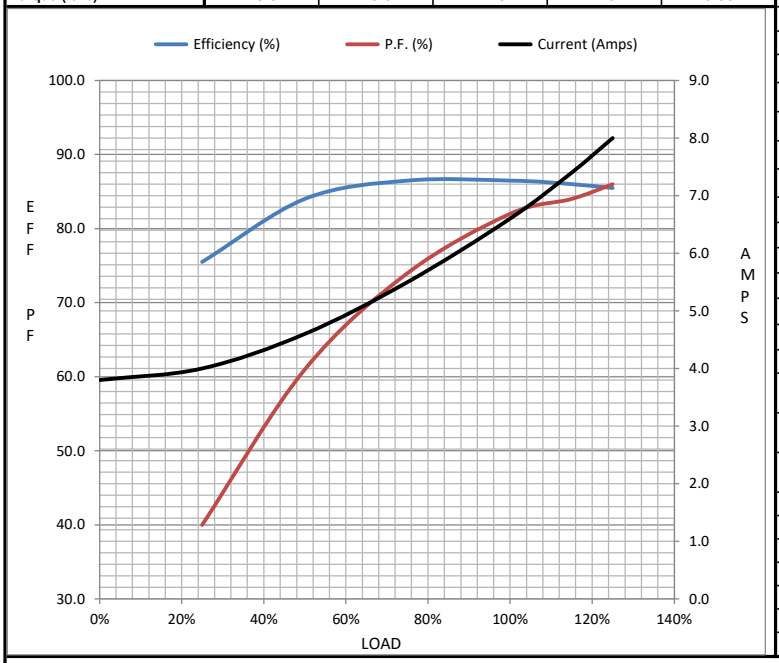
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	3.8	4.0	4.6	5.5	6.6	7.4	8.0	50.0	
Torque (ft-lb)	0.00	1.80	3.7	5.6	7.5	8.7	9.5	13.0	
RPM	3600	3575	3555	3535	3510	3,495	3485	0	
Efficiency (%)		75.5	84.0	86.5	86.5	86.0	85.5		
P.F. (%)	10.0	40.0	61.0	74.0	82.0	84.0	86.0	55.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2950	3510	3600
Current (Amps)	50.0	44.0	27.5	6.6	3.8
Torque (ft-lb)	13.0	10.0	22.0	7.5	0.00



Information Block

HP	5.0	
Sync. RPM	3600	
Frame	182	
Enclosure	DP	
Construction	TDB	
Voltage	230/460#190/380	V
Frequency	60	Hz
Design	A	
LR Code letter	K	
Service Factor	1.15	
Temp Rise @ FL	55	° C
Duty	CONT	
Ambient	40	° C
Elevation	3,300	feet
Rotor/Shaft wk²	0.20	Lb-Ft²
Ref Wdg	HA31122024 NONE	
Sound Pressure @ 1M	55	dBA
VFD Rating	VARIABLE 20:1	
Outline Dwg	SS600204-100	
Conn. Diag	EE7308	
Additional Specifications:		
0		
0		

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
2.2110	1.0490	4.3940	1.3610	76.7720

