marathon®

Close-Coupled Pump Motors

Model No: 182TTDBD6085
Catalog No: GT2405A

Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 RPM, 182JP Frame, DP

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Product Information Packet: Model No: 182TTDBD6085, Catalog No: GT2405A Close-Coupled Pump Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 208-230/460 & 190/380 V, 1200 RPM, 182JP Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**1.50 & 1 Hp**
Output KW	**1.1 & 0.75 kW**	Voltage	**208-230/460 & 190/380 V**
Speed	**1180 & 985 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**182JP**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**86.5 & 85.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**4.8-4.6/2.3 & 4.2/2.1 A**
Power Factor	**70**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**N**	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

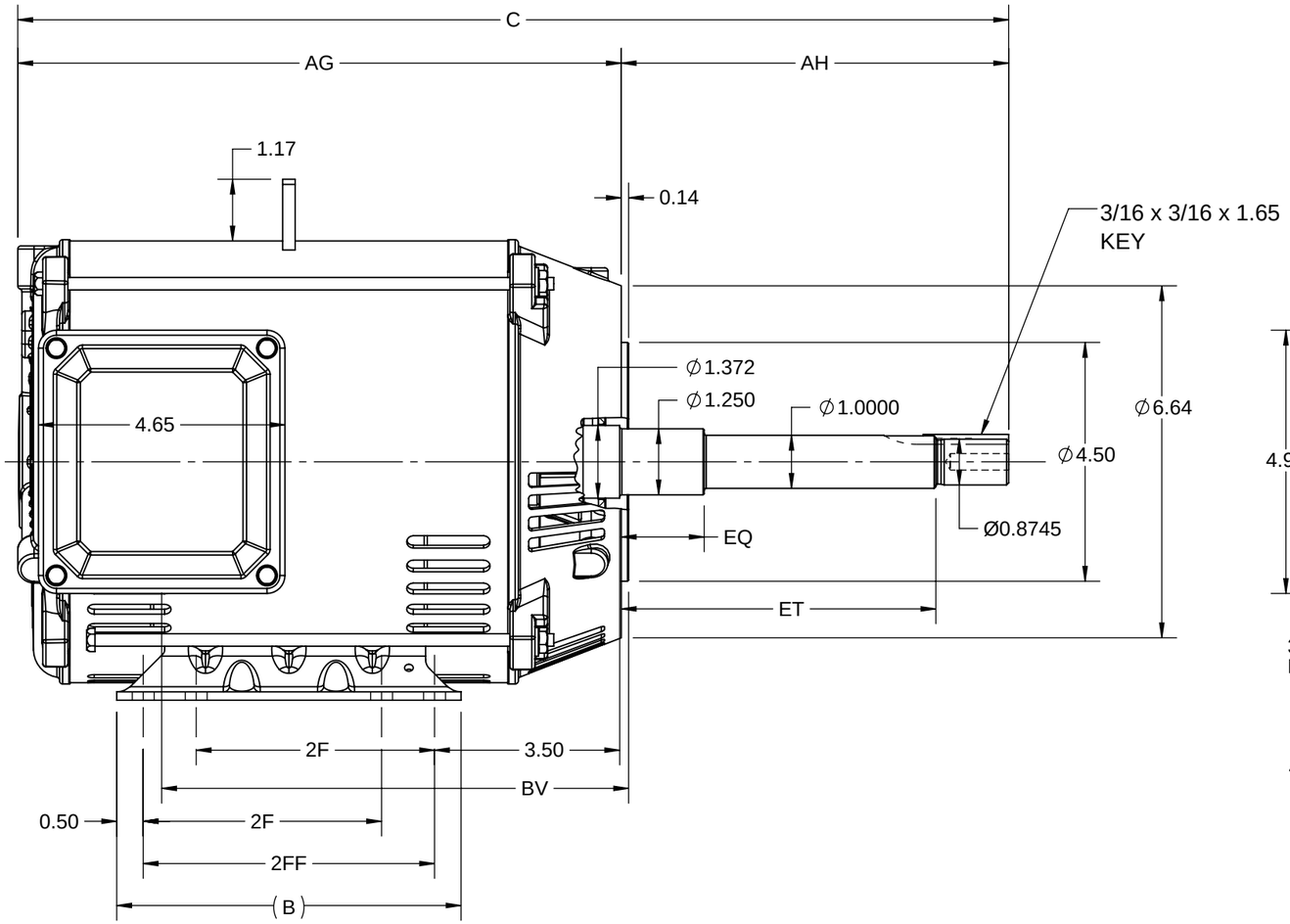
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**9.48 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JP**	Shaft Diameter	**0.874 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

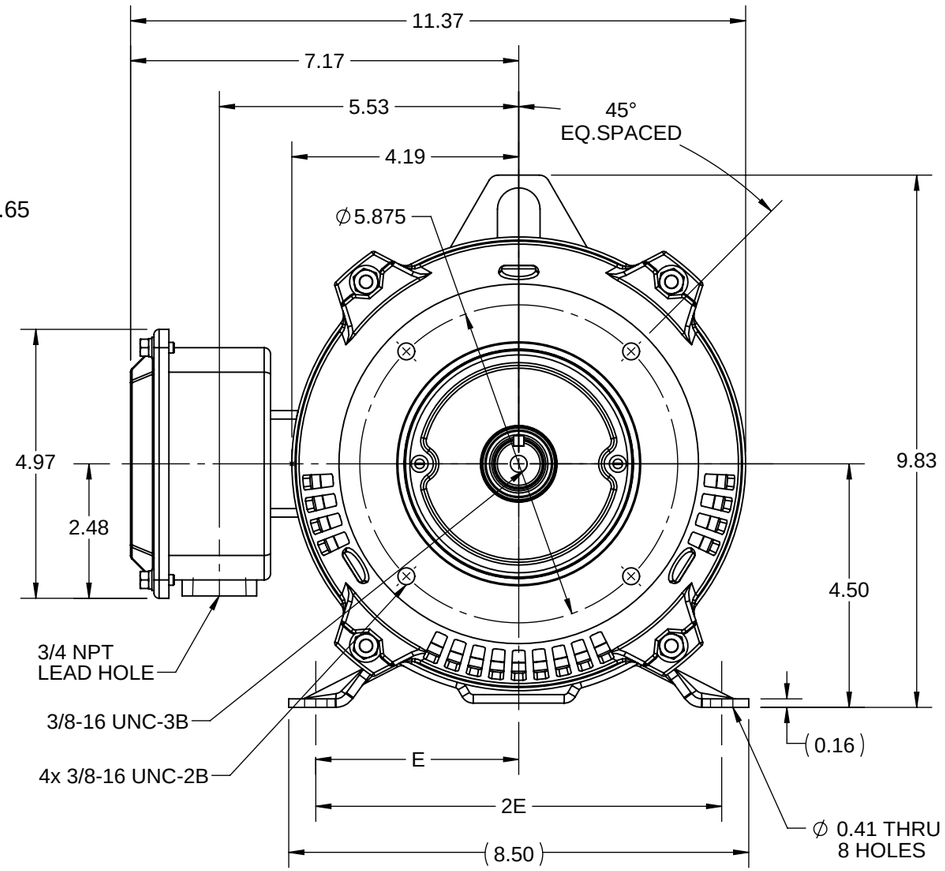
Drawings

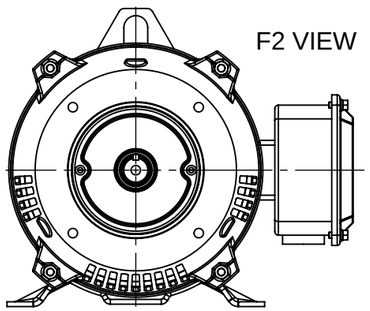
Connection Drawing	**EE7308**	Outline Drawing	**SS600205-100**

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DASH NO.	B	C	E	2E	2F	2FF	AG	AH	BV	EQ	ET	MOUNTING	FRAME
100	6.50	17.70	3.75	7.50	4.50	5.50	10.39	7.31	8.81	1.56	5.93	F1 OR F2	182JP
200		18.70					11.39						184JP







DRAWING REVISION: C	REVISION BY: SB	REV DATE/© DATE: 05/21/2026
REQUEST NUMBER: CR-0026353	APPROVED BY: RMS	DATE: 05/21/2026
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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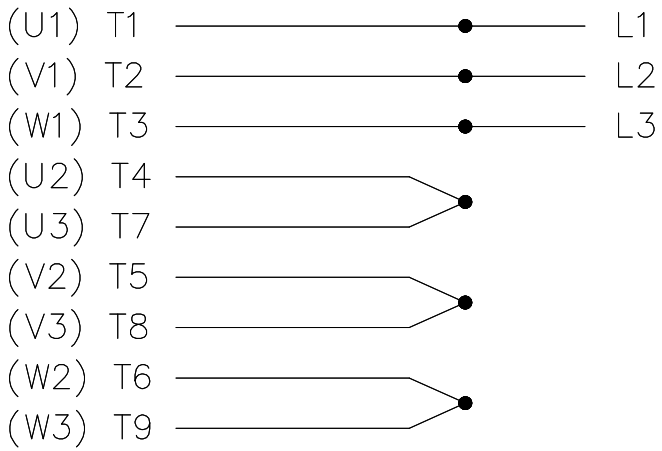
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mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: MSH	marathon™	
DATE: 18/04/2018		
APPROVED BY: SBD	DESCRIPTION: OUTLINE 182/184JP FR-NEMA-ODP-RS	
DATE: 18/04/2018		
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE: B / DRAWING NUMBER: SS600205	SHEET: 1 OF 1

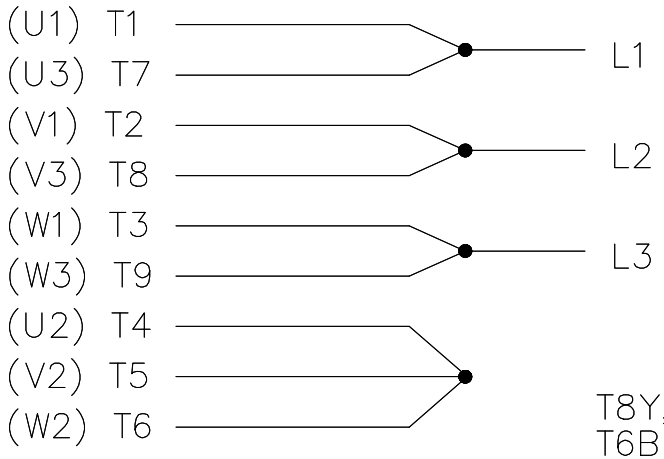
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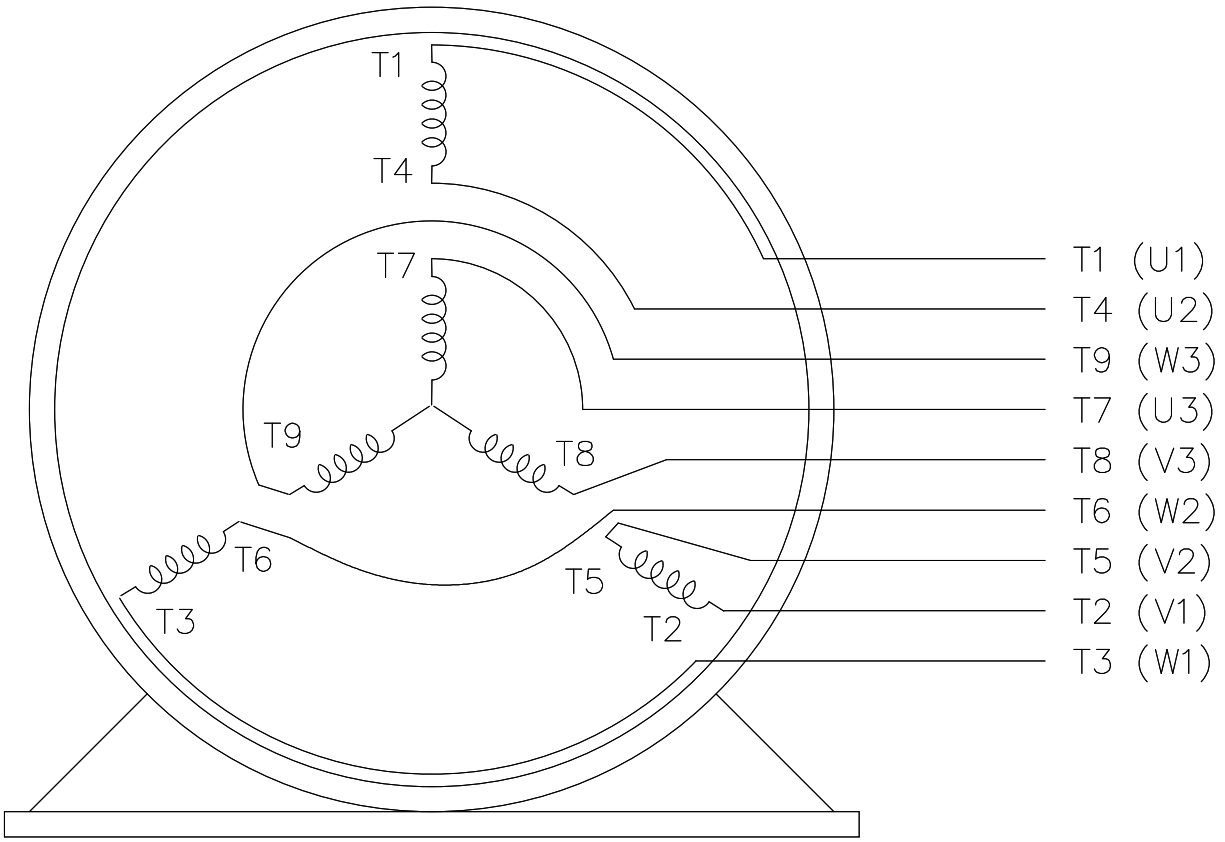
THREE PHASE
DUAL VOLTAGE MOTOR

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: 12/2/2021
Customer:
Attention:
Submitted by:

marathon® Motors

182TTDBD6085

Submittal

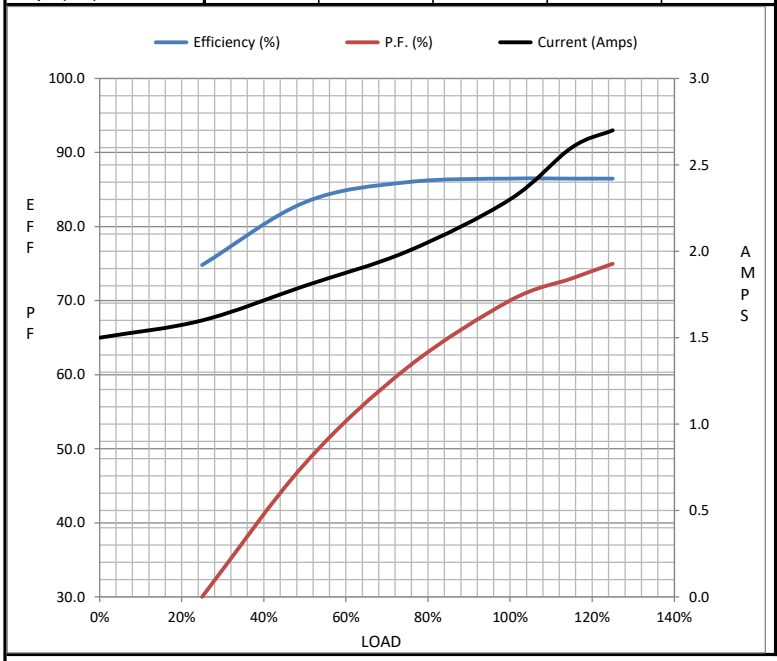
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	1.50	1.60	1.80	2.00	2.30	2.60	2.70	21.0	
Torque (ft-lb)	0.00	1.65	3.3	5.0	6.7	7.7	8.4	16.0	
RPM	1200	1195	1190	1185	1180	1,175	1170	0	
Efficiency (%)		74.8	83.3	86.0	86.5	86.5	86.5		
P.F. (%)	8.0	30.0	48.0	61.0	70.0	73.0	75.0	54.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	990	1180	1200
Current (Amps)	21.0	18.0	12.0	2.30	1.50
Torque (ft-lb)	16.0	12.5	22.0	6.7	0.00



Information Block

HP	1.5
Sync. RPM	1200
Frame	182
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	N
Service Factor	1.15
Temp Rise @ FL	25 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	0.40 Lb-Ft²
Ref Wdg	HA31126015 NONE
Sound Pressure @ 1M	56 dBA
VFD Rating	CONSTANT 4:1/VARIABLE 20:1
Outline Dwg	SS600205-100
Conn. Diag	EE7308
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
4.9140	2.8350	10.9620	12.4740	164.4300

Speed -Torque Curve

