marathon®

Close-Coupled Pump Motors

Model No: 184TTDBD6007
Catalog No: GT0415A

Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184JM Frame, DP

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Product Information Packet: Model No: 184TTDBD6007, Catalog No: GT0415A Close-Coupled Pump Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184JM Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**3510 & 2920 r/min**	Synchronous RPM	**3600 & 3000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**184JM**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**88.5 & 87.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**18.4/9.2 & 16.4/8.2 A**
Power Factor	**86**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**A**
KVA Code	**J**	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

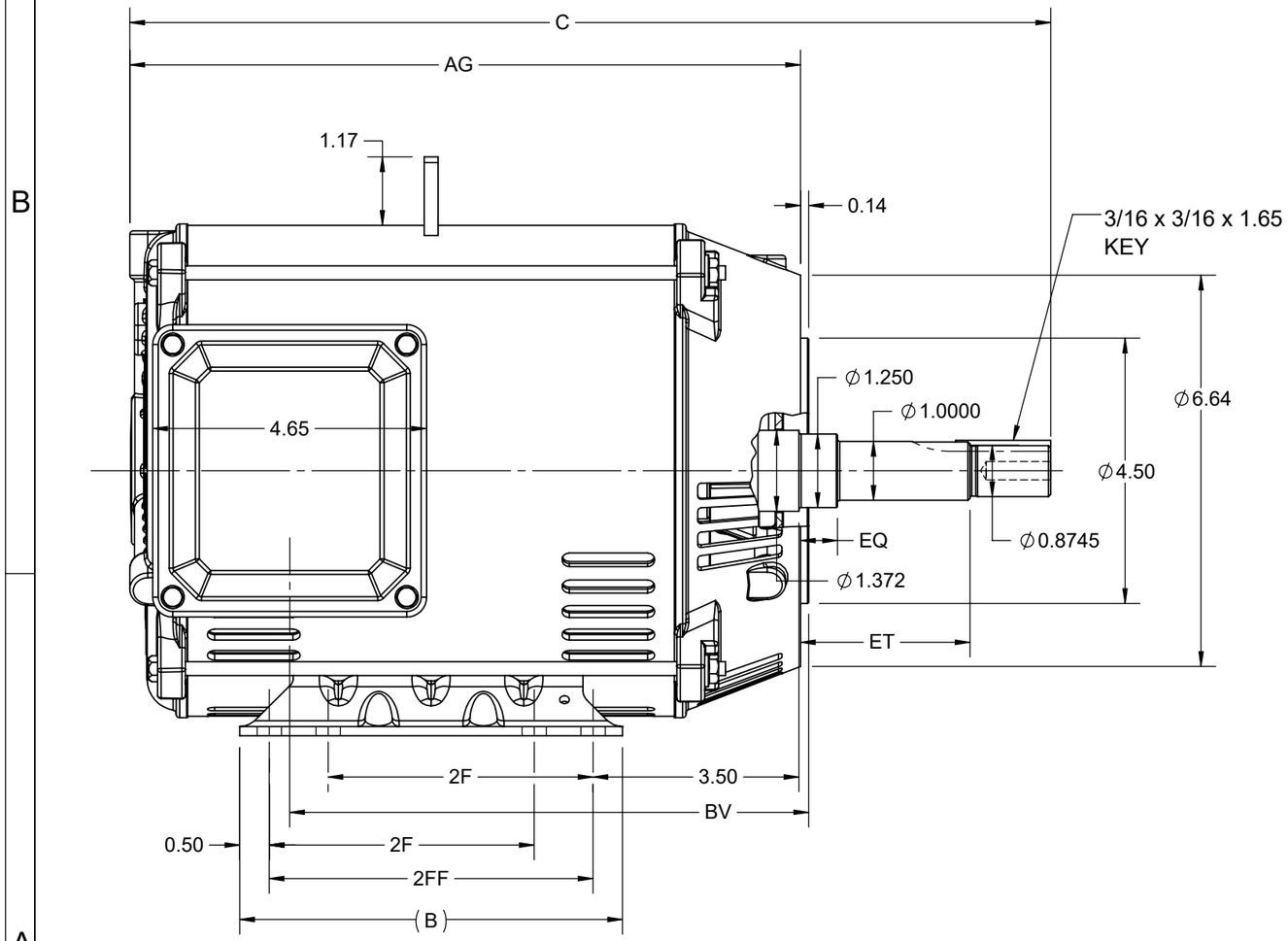
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**2.455 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**JM**	Shaft Diameter	**1.25 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

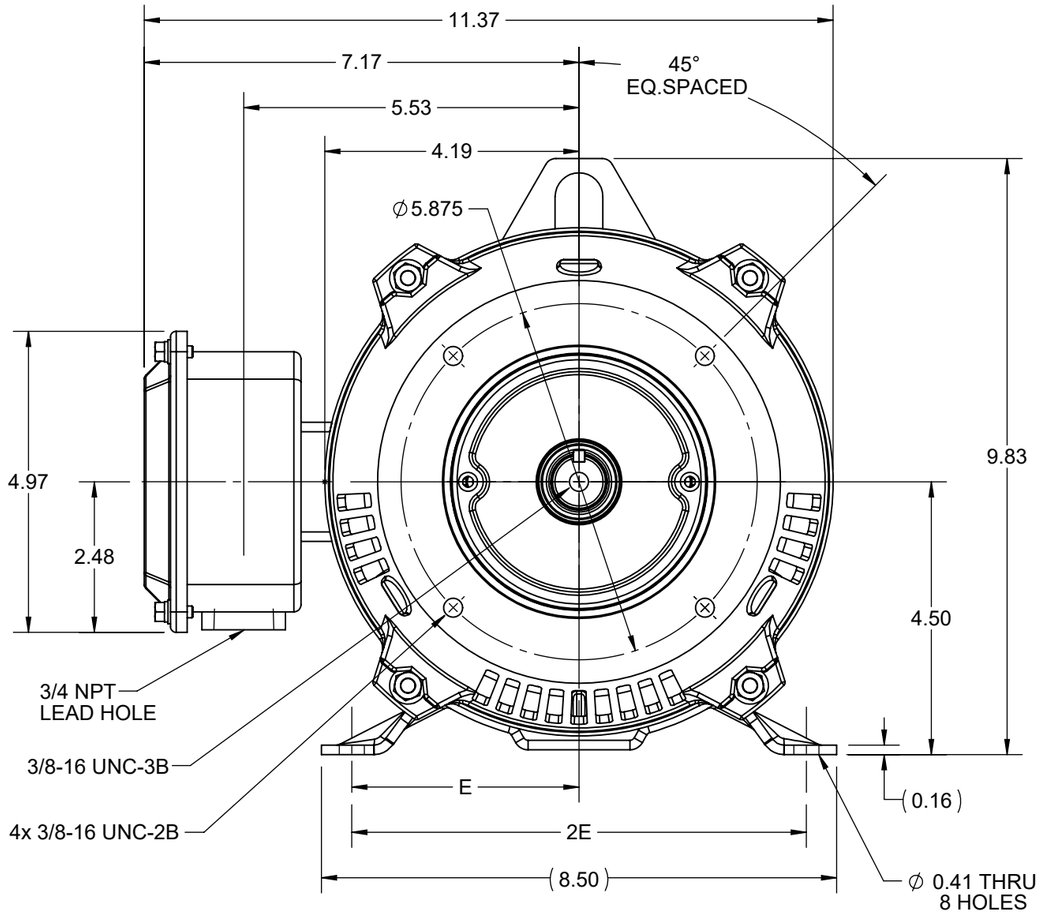
Drawings

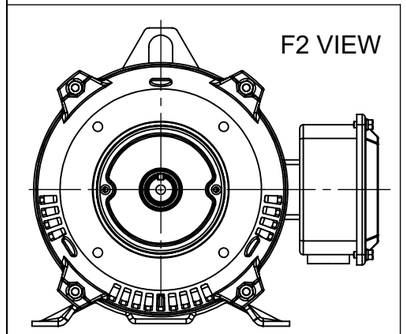
Connection Drawing	**EE7308**	Outline Drawing	**SS600204-200**

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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		

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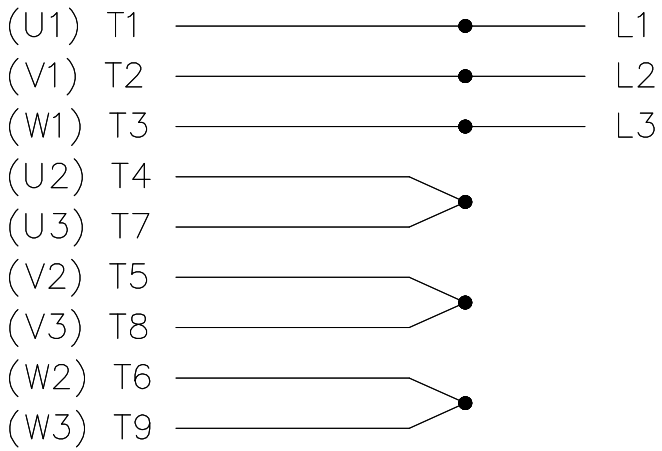
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

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

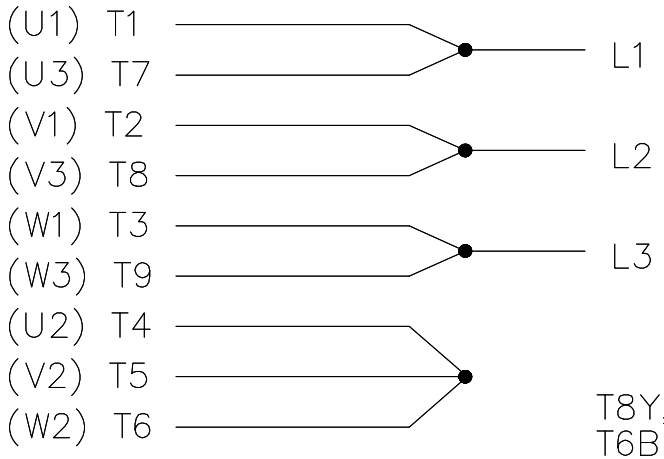
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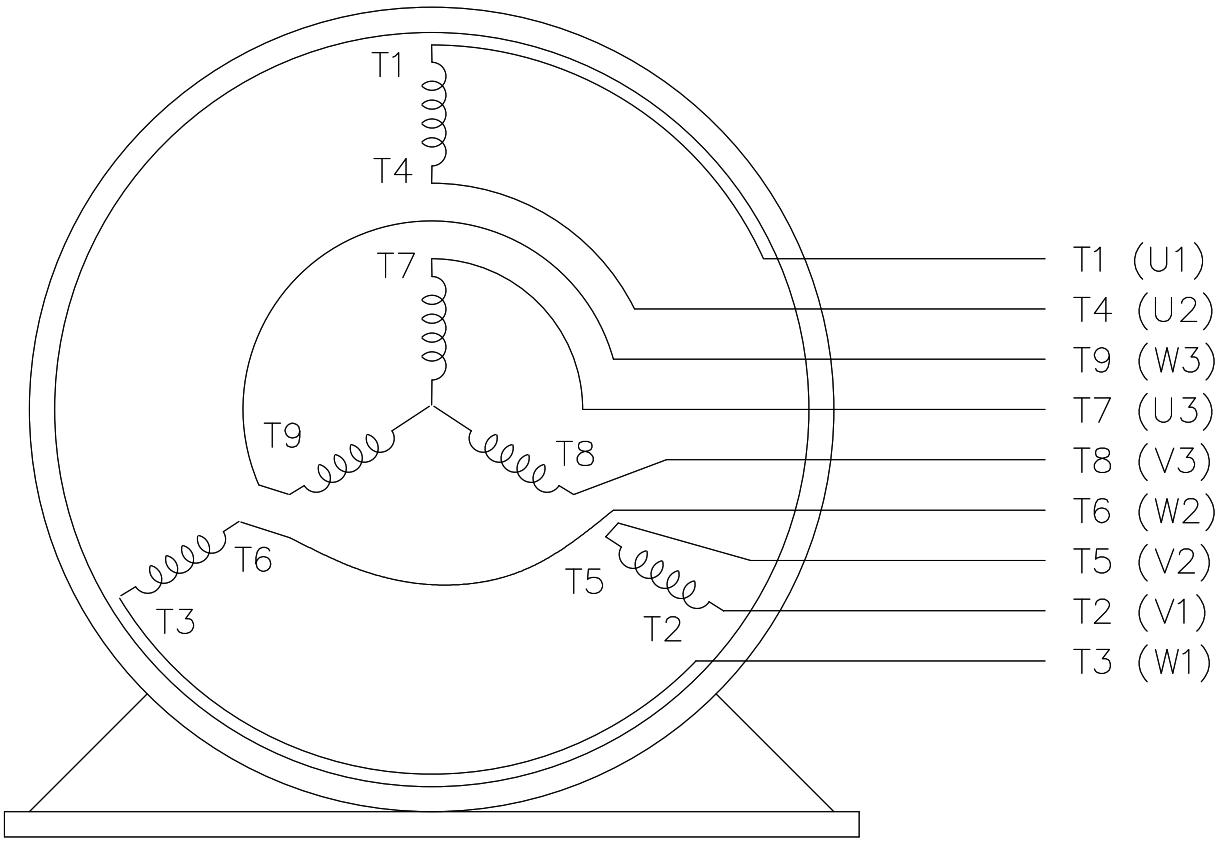
THREE PHASE
DUAL VOLTAGE MOTOR

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

marathon® Motors

184TTDBD6007

Submittal

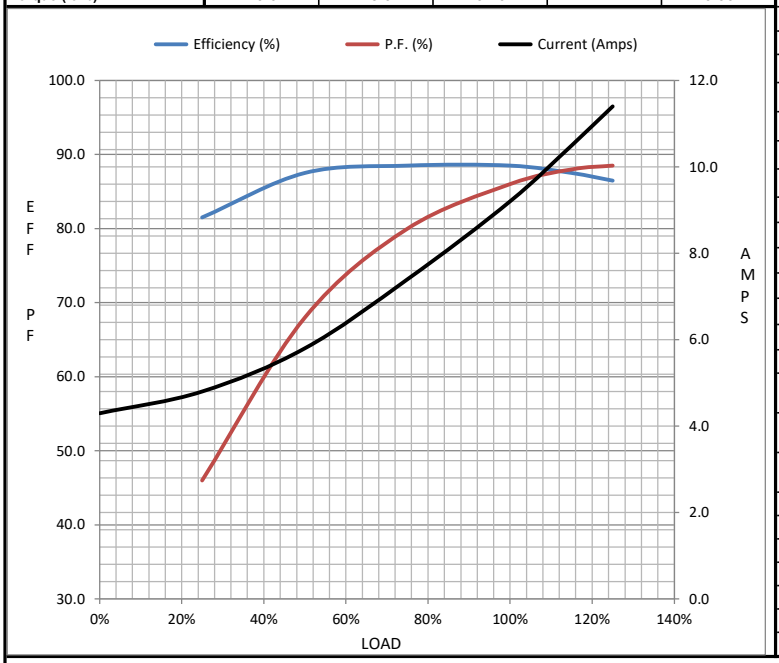
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	4.3	4.8	5.8	7.4	9.2	10.5	11.4	66.0	
Torque (ft-lb)	0.00	2.75	5.5	8.4	11.2	13.0	14.2	23.0	
RPM	3600	3575	3555	3535	3510	3,495	3485	0	
Efficiency (%)		81.5	87.5	88.5	88.5	87.5	86.5		
P.F. (%)	8.0	46.0	68.0	80.0	86.0	88.0	88.5	59.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	1800	2925	3510	3600
Current (Amps)	66.0	60.0	40.0	9.2	4.3
Torque (ft-lb)	23.0	18.0	34.0	11.2	0.00



Information Block

HP	7.5
Sync. RPM	3600
Frame	184
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	J
Service Factor	1.15
Temp Rise @ FL	50 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	0.30 Lb-Ft²
Ref Wdg	HA31122025 NONE
Sound Pressure @ 1M	71 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	SS600204-200
Conn. Diag	EE7308
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
1.4180	0.7560	2.9300	1.1720	67.2840

Speed -Torque Curve

