marathon®

General Purpose Motors

Model No: 184TTDBD6076
Catalog No: GT0008A

General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 184T Frame, DP

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Product Information Packet: Model No: 184TTDBD6076, Catalog No: GT0008A General Purpose Motor, 2 & 1.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 184T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**2 & 1.50 Hp**
Output KW	**1.5 & 1.1 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1175 & 980 r/min**	Synchronous RPM	**1200 & 1000 r/min**
Service Factor	**1.15 & 1.15**	Frame	**184T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**87.5 & 87 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**6/3 & 5.4/2.7 A**
Power Factor	**70**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
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

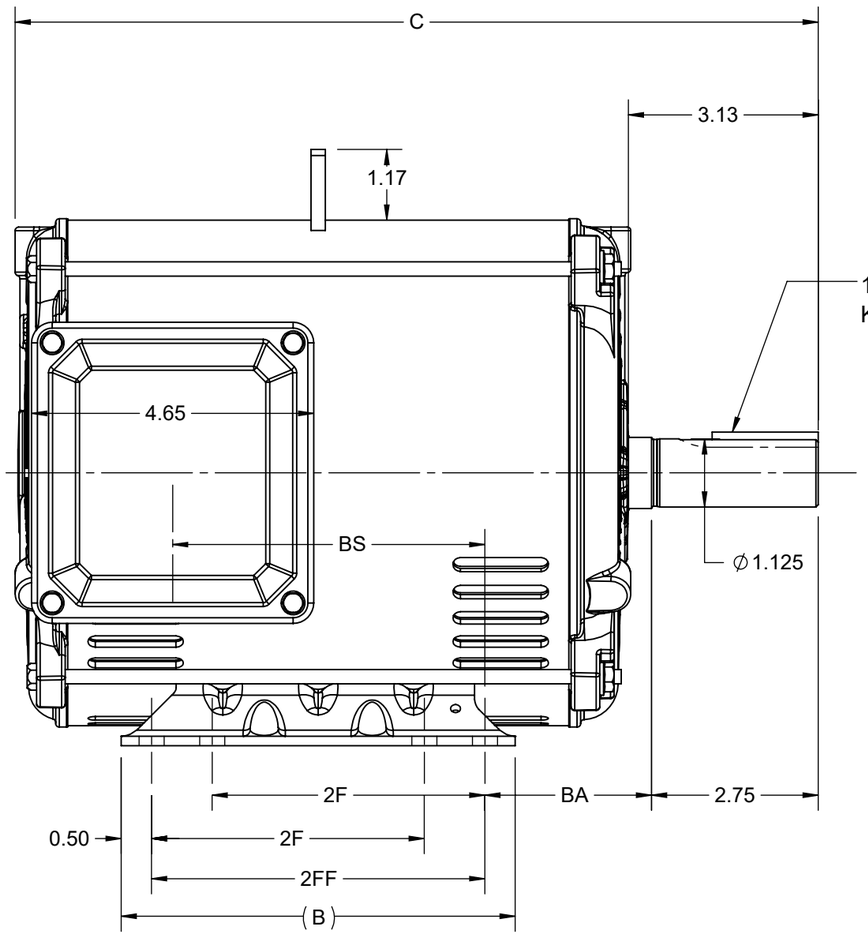
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**6**	Rotation	**Reversible**
Resistance Main	**5.9 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Constant 2:1/Variable 10:1**

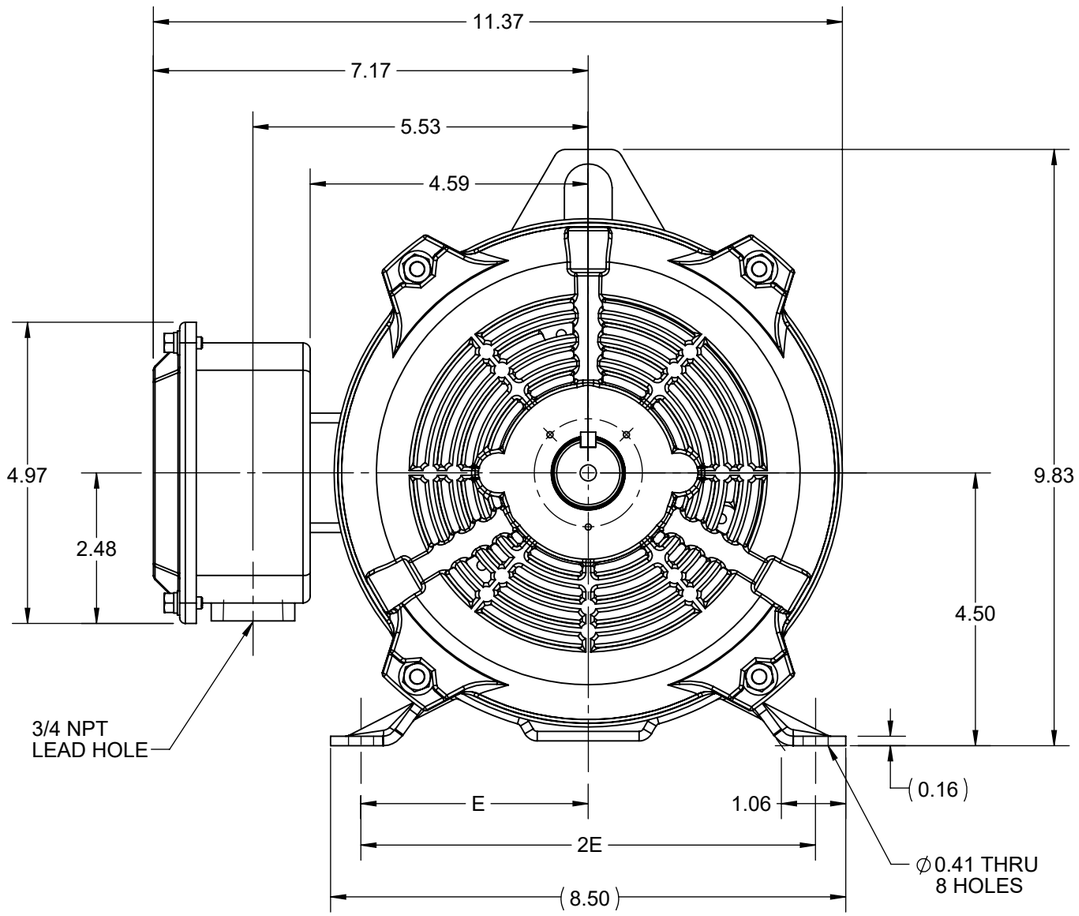
Drawings

Connection Drawing	**EE7308**	Outline Drawing	**SS600198-200**

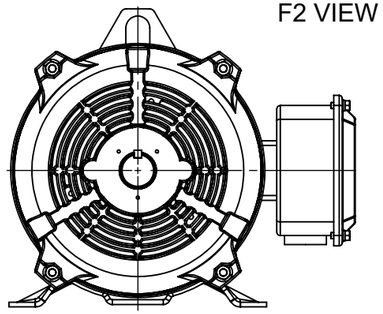
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DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME
100	6.50	12.25	3.75	7.50	4.50	5.50	2.75	4.15	F1 OR F2	182T
200		13.25						5.15		184T





F2 VIEW



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

REQUEST NUMBER DESCRIPTION
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DRAWN BY	PRIYA
DATE	12/03/2018
APPROVED BY	SBD
DATE	12/03/2018
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
182/184T FR -NEMA-ODP RS

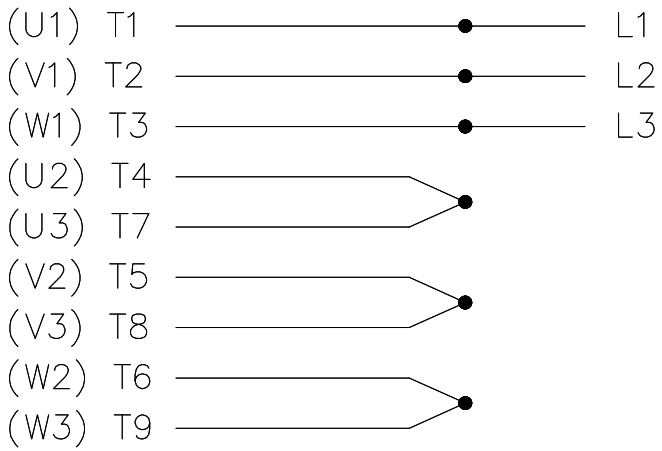
MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
B	SS600198	1 OF 1

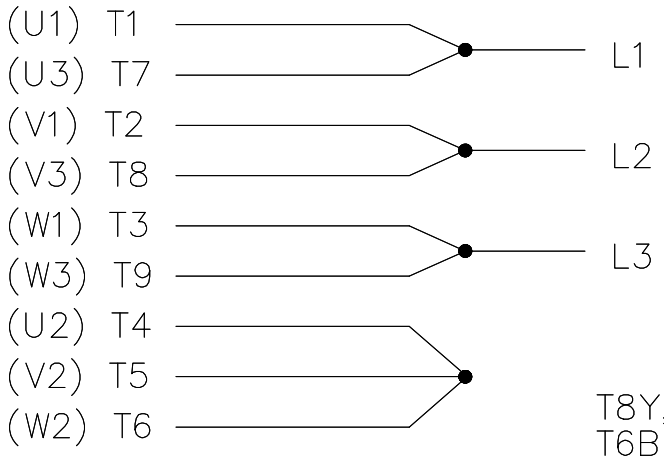
Uncontrolled Copy

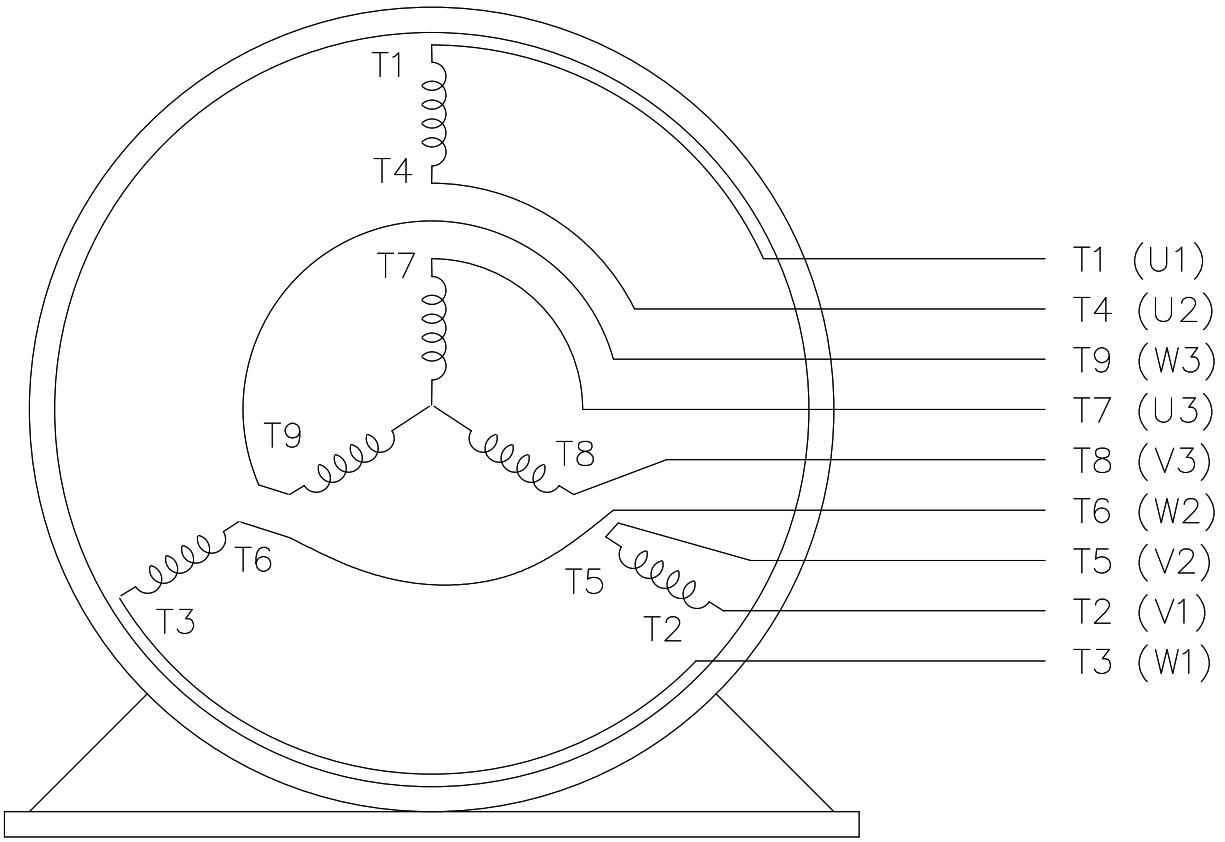
THREE PHASE
DUAL VOLTAGE MOTOR

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

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DRAWN BY: RM	
DATE: 11/20/1990	
APPROVED BY: SAS	
DATE: 04/24/2003	
REFERENCE	
THIRD ANGLE PROJECTION	

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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

184TTDBD6076

Submittal

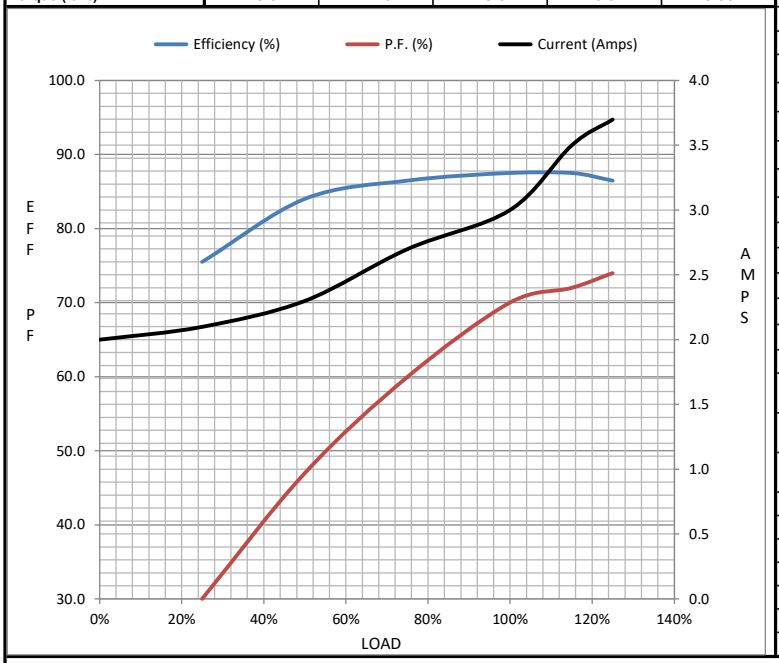
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	2.00	2.10	2.30	2.70	3.0	3.5	3.7	26.0	
Torque (ft-lb)	0.00	2.20	4.4	6.7	8.9	10.3	11.2	20.0	
RPM	1200	1195	1190	1185	1175	1,170	1165	0	
Efficiency (%)		75.5	84.0	86.5	87.5	87.5	86.5		
P.F. (%)	7.5	30.0	47.0	60.0	70.0	72.0	74.0	51.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	600	970	1175	1200
Current (Amps)	26.0	23.0	14.0	3.0	2.00
Torque (ft-lb)	20.0	17.0	28.0	8.9	0.00



Information Block

HP	2.0
Sync. RPM	1200
Frame	184
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	A
LR Code letter	M
Service Factor	1.15
Temp Rise @ FL	30 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	0.60 Lb-Ft²
Ref Wdg	HA31126016 NONE
Sound Pressure @ 1M	54 dBA
VFD Rating	CONSTANT 4:1/VARIABLE 20:1
Outline Dwg	SS600198-200
Conn. Diag	EE7308
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
3.5500	2.1300	8.0940	9.6560	126.3800

Speed -Torque Curve

