marathon®

General Purpose Motors

Model No: 184TTDBD6004
Catalog No: GT0315

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184TC Frame, DP

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Product Information Packet: Model No: 184TTDBD6004, Catalog No: GT0315 General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 184TC 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	**184TC**
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	**6206**
Opp Drive End Bearing Size	**6203**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

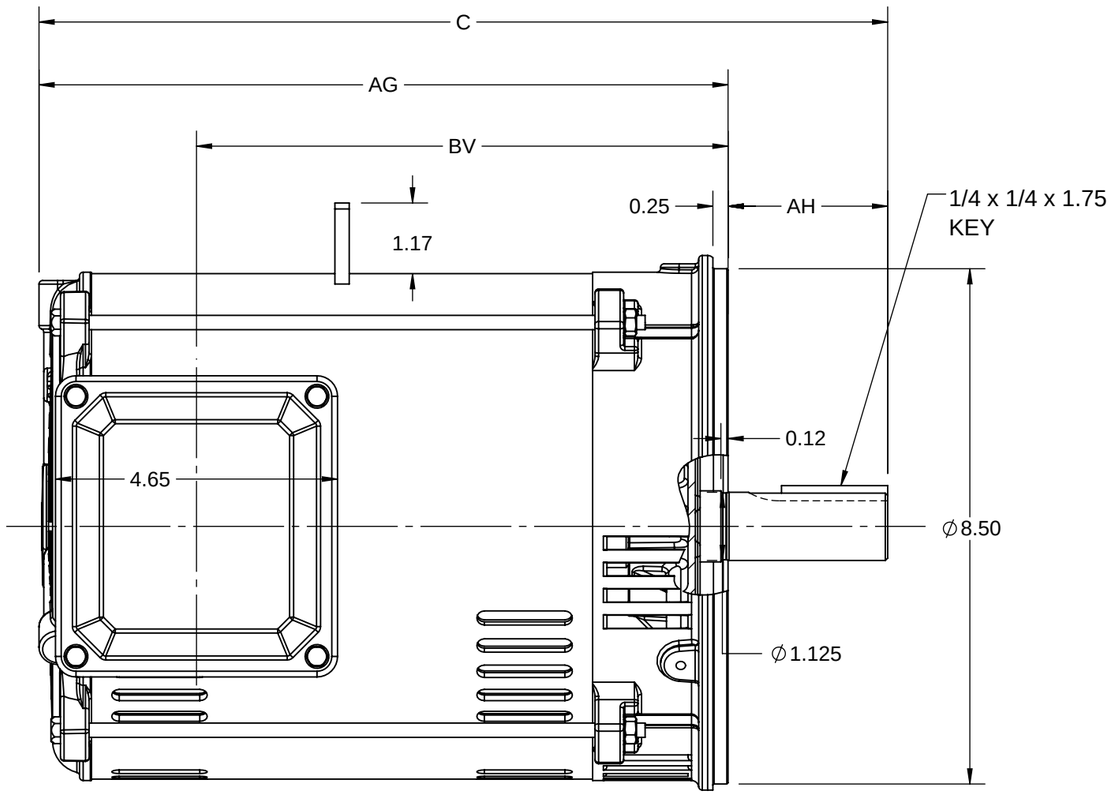
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**2.455 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Shaft Diameter	**1.125 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

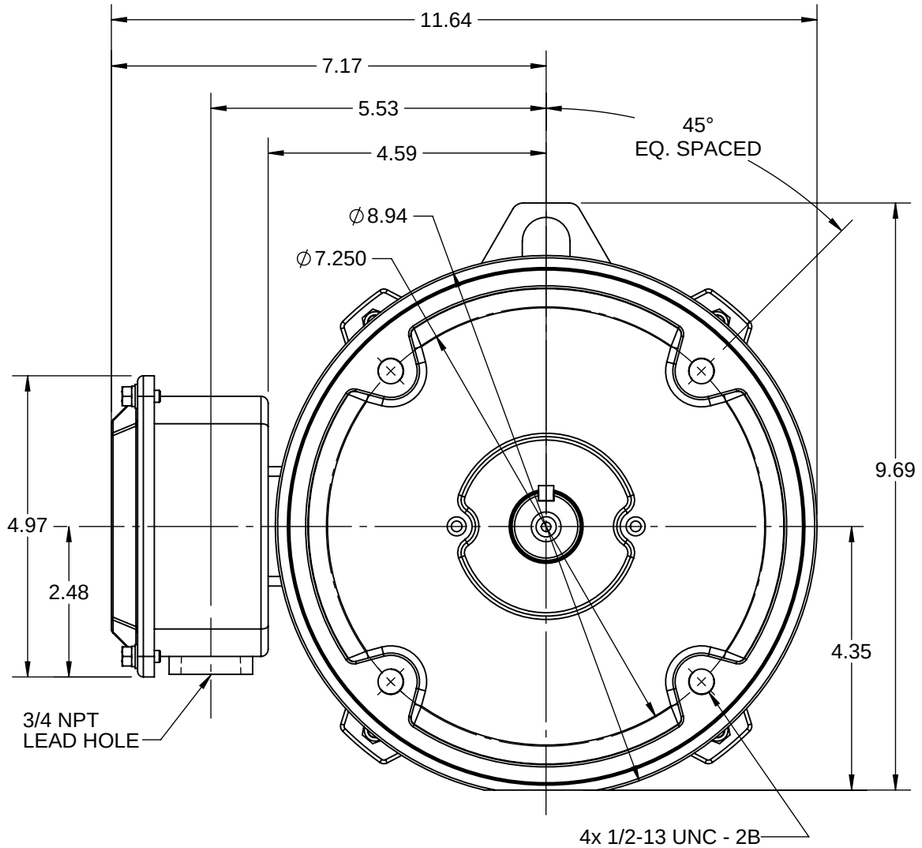
Drawings

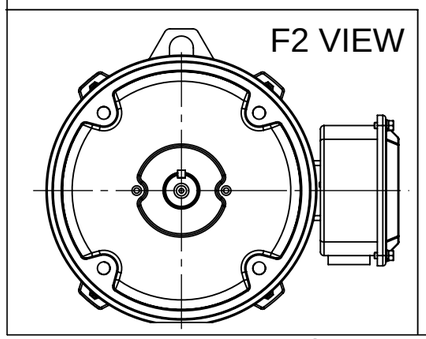
Connection Drawing	**EE7308**	Outline Drawing	**SS600235-200**

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DASH NO.	C	AG	AH	BV	MOUNTING	FRAME
100	13.00	10.37	2.62	7.77	F1 OR F2	182TC
200	14.00	11.37		8.77		184TC







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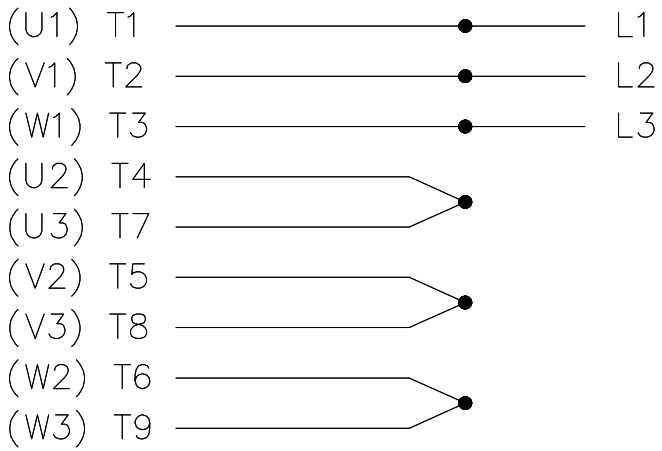
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY: MSH	marathon™		
DATE: 20/03/2020			
APPROVED BY: SBD	DESCRIPTION: OUTLINE NEMA 182/184TC FR ODP RS - ROUND - FOOTLESS		
DATE: 20/03/2020			
REFERENCE	MATERIAL	PROCESS/FINISH	
THIRD ANGLE PROJECTION	SIZE: B	DRAWING NUMBER: SS600235	SHEET: 1 OF 1

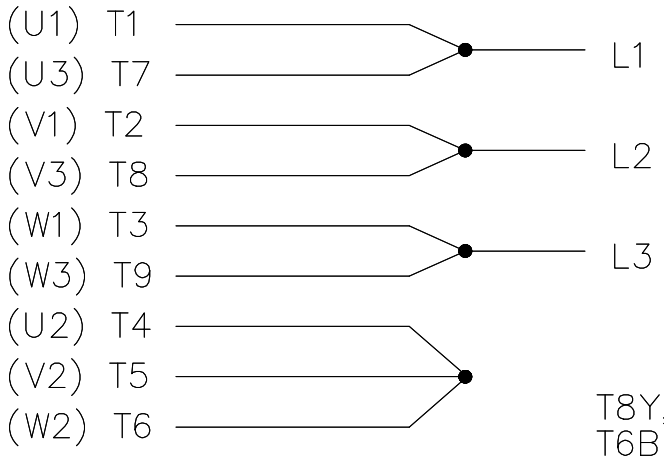
Uncontrolled Copy

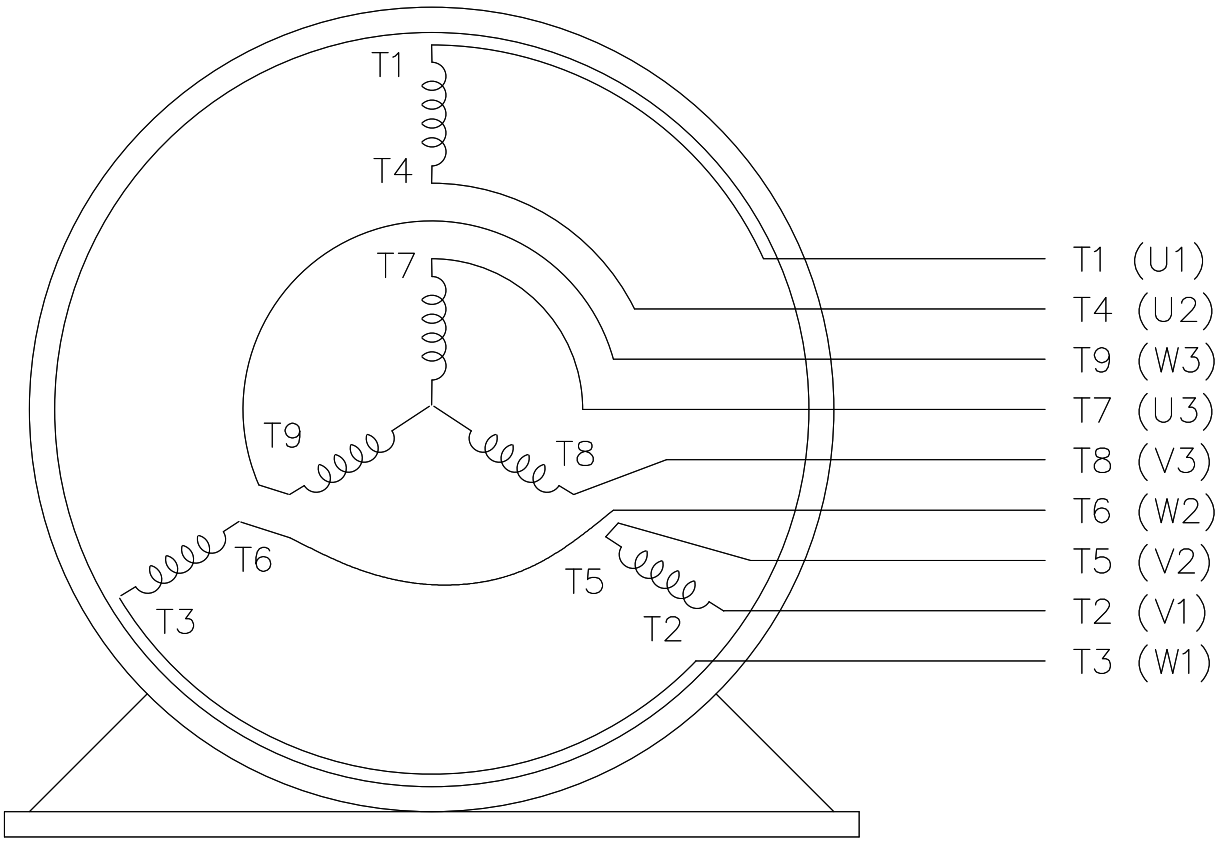
THREE PHASE
DUAL VOLTAGE MOTOR

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

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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: 8/1/2022
Customer:
Attention:
Submitted by:

marathon electric

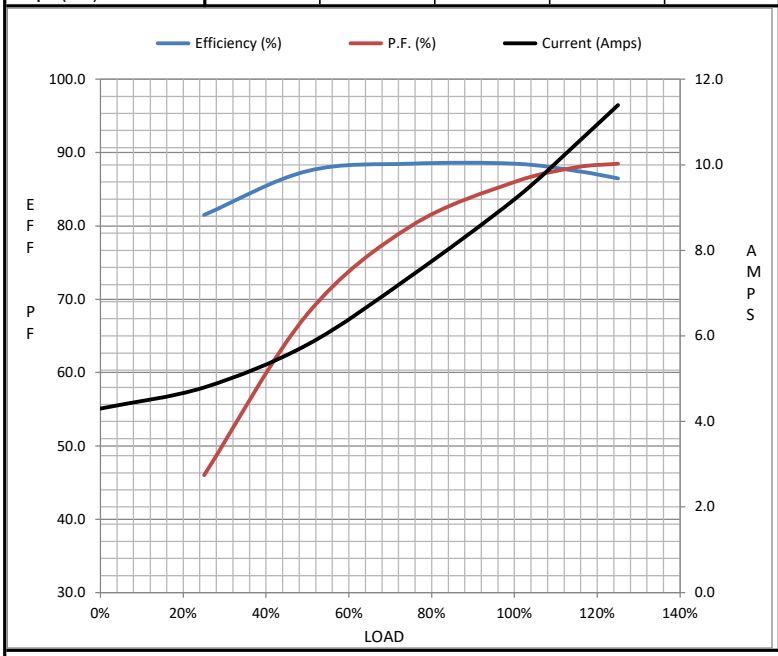
184TTDBD6004
NA FAN
Submittal
Data @ 460 V

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	182
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	1,000 feet
Rotor/Shaft wk²	0.30 Lb-Ft²
Ref Wdg	HA31122025 NONE
Sound Pressure @ 1M	71 dBA
VFD Rating	VARIABLE 10:1
Outline Dwg	SS600235-200
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

