marathon®

General Purpose Motors

Model No: 215TTDBD6026
Catalog No: GT0019A

General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215T Frame, DP

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Product Information Packet: Model No: 215TTDBD6026, Catalog No: GT0019A General Purpose Motor, 10 & 7.50 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 215T Frame, DP

Nameplate Specifications

Phase	**3**	Output HP	**10 & 7.50 Hp**
Output KW	**7.5 & 5.6 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1768 & 1470 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**215T**
Enclosure	**Drip Proof**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 91 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**25.4/12.7 & 23.4/11.7 A**
Power Factor	**80.1**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Recognized**
CSA	**Y**	CE	**Y**
IP Code	**22**	Number of Speeds	**1**

Technical Specifications

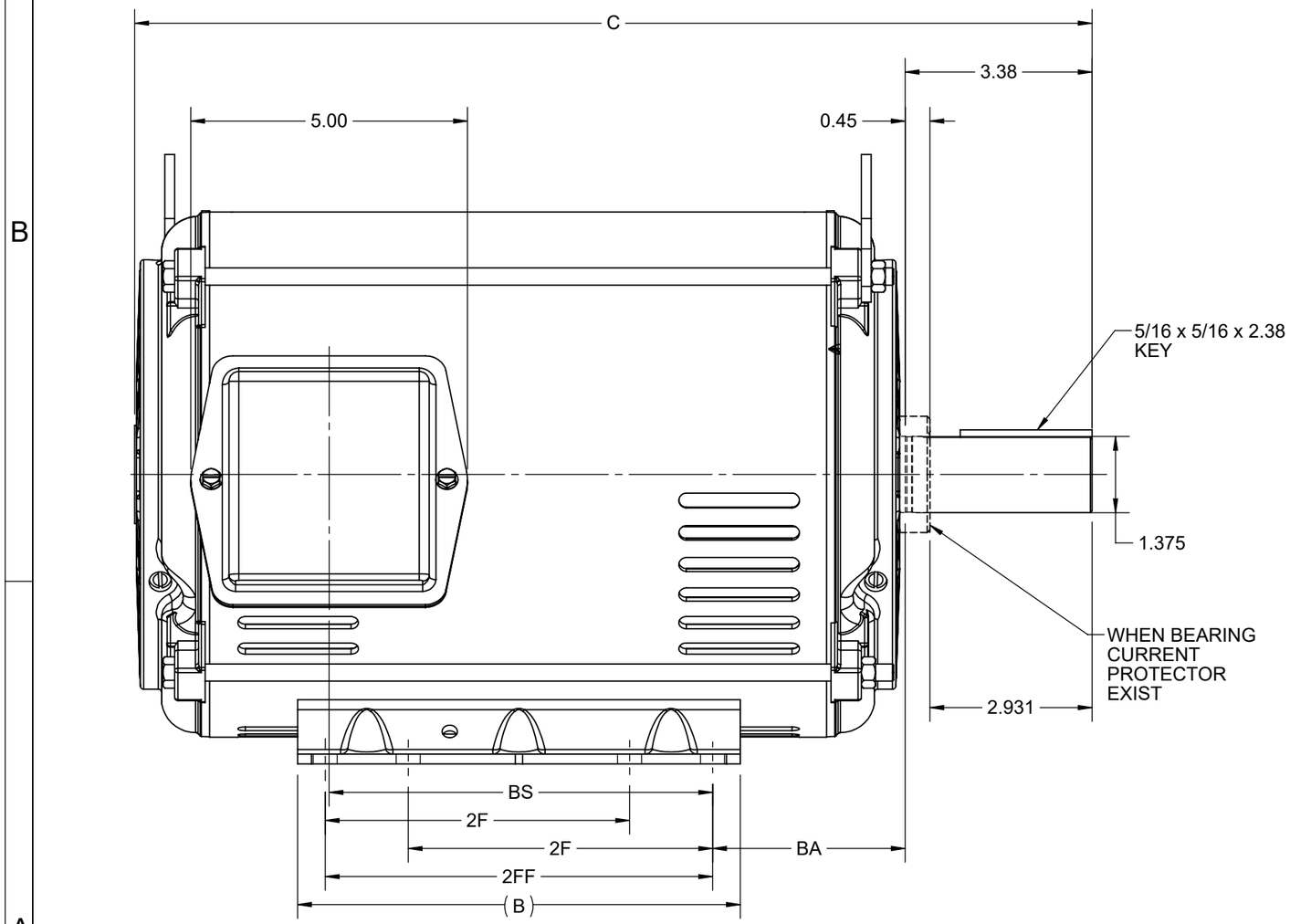
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.217 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**17.52 in**
Shaft Diameter	**1 3/8 in**	Shaft Extension	**3.38 in**
Assembly/Box Mounting	**F1/F2 Capable**	Inverter Load	**Variable 10:1**

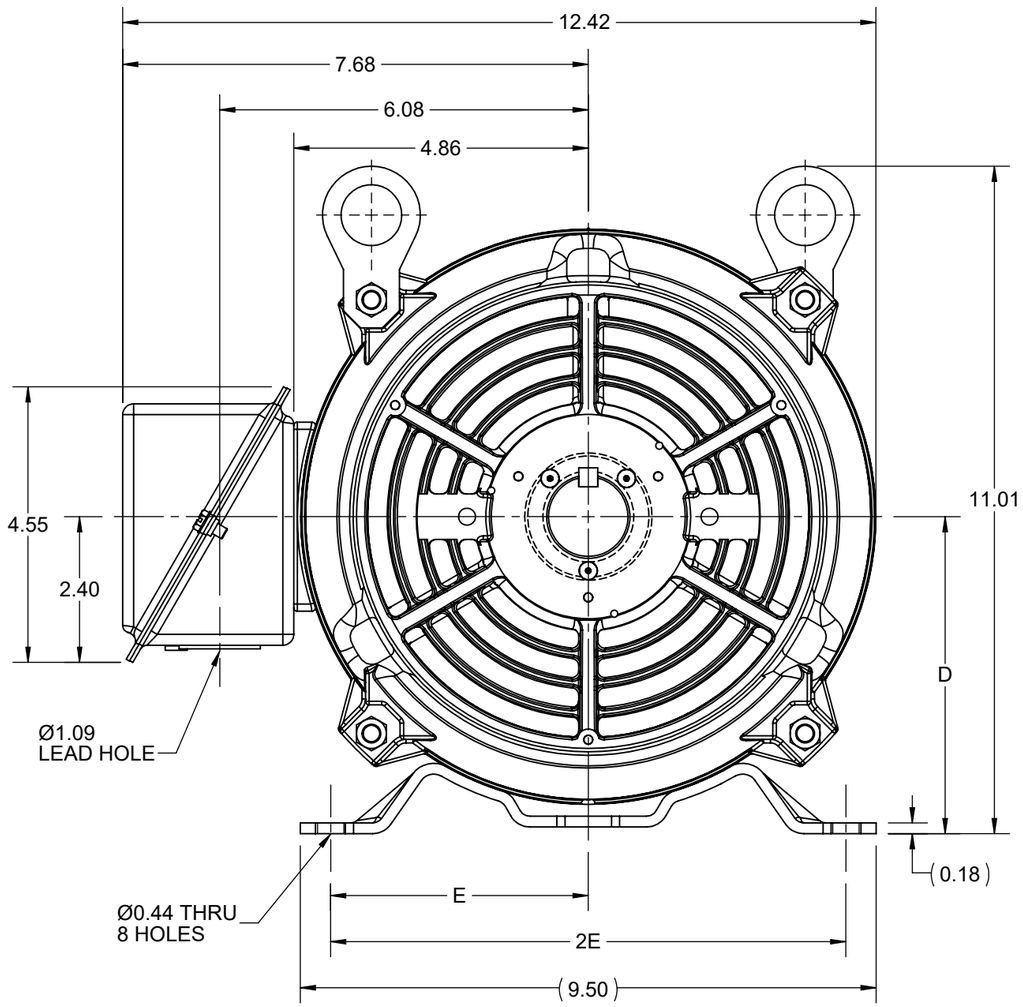
Drawings

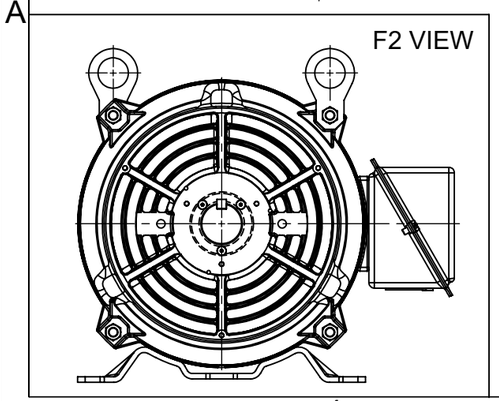
Connection Drawing	**EE7308**	Outline Drawing	**SS620684**

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B	C	D	E	2E	2F	2FF	BA	BS	MOUNTING
8.00	17.30	5.25	4.25	8.50	5.50	7.00	3.50	6.93	F1 OR F2







DRAWING REVISION G	REVISION BY SB	REV DATE/© DATE 07/18/2025
REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/18/2025
REQUEST NUMBER DESCRIPTION: DRAWING TITLE BLOCK UPDATED		

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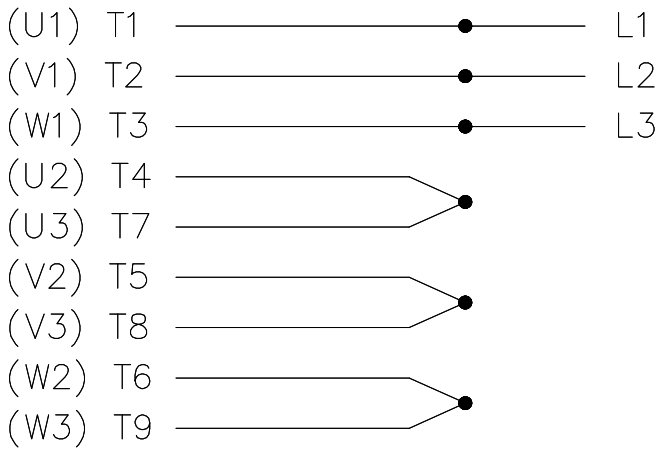
PRIMARY DIMENSIONS ARE INCH
mm DIMENSIONS IN [BRACKETS]
ARE FOR REFERENCE ONLY

DRAWN BY ZXW	marathon™	
DATE 16/04/2015	DESCRIPTION	
APPROVED BY ZL	OUTLINE	
DATE 16/04/2015	213/215T FR NEMA ODP RS	
REFERENCE	MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION	SIZE B / DRAWING NUMBER SS620684	SHEET 1 OF 1

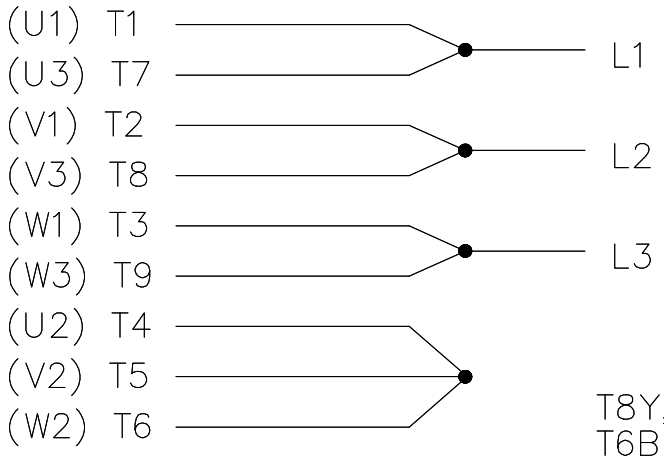
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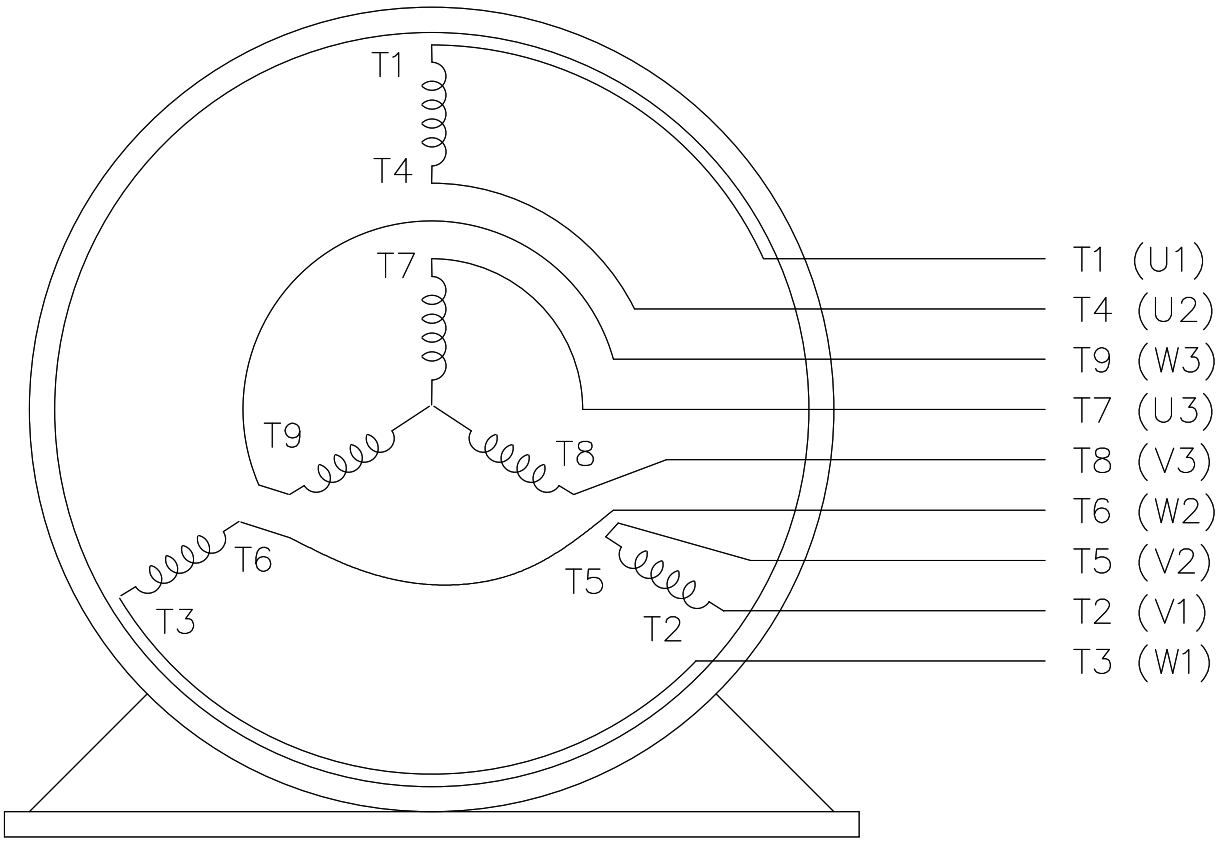
THREE PHASE
DUAL VOLTAGE MOTOR

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: CHANDANA DESU

marathon® Motors

215TTDBD6026

Submittal

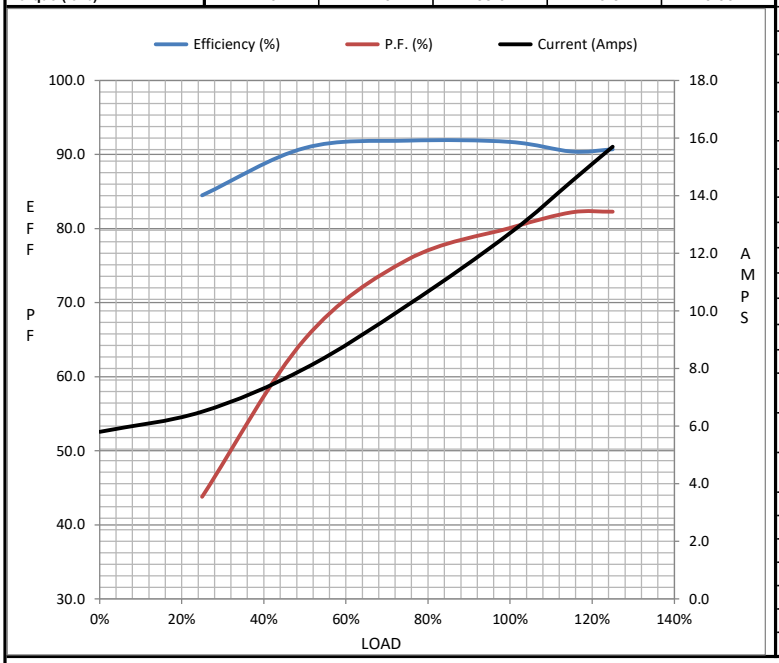
Data @ 460 V

Motor Load Data

Load	0%	25%	50%	75%	100%	115%	125%	LR	
Current (Amps)	5.8	6.5	8.0	10.2	12.7	14.5	15.7	79.0	
Torque (ft-lb)	0.00	7.3	14.7	22.2	29.8	34.3	37.4	72.0	
RPM	1800	1792	1785	1778	1768	1,762	1758	0	
Efficiency (%)		84.5	90.9	91.9	91.7	90.4	90.7		
P.F. (%)	11.0	43.8	65.1	75.8	80.1	82.2	82.3	45.0	

Motor Speed Data

	LR	Pull-Up	BD	Rated	Idle
Speed (RPM)	0	900	1578	1768	1800
Current (Amps)	79.0	73.0	44.0	12.7	5.8
Torque (ft-lb)	72.0	42.0	88.0	29.8	0.00



Information Block

HP	10.0
Sync. RPM	1800
Frame	215
Enclosure	DP
Construction	TDB
Voltage	208-230/460#190/380 V
Frequency	60 Hz
Design	B
LR Code letter	H
Service Factor	1.15
Temp Rise @ FL	65 ° C
Duty	CONT
Ambient	40 ° C
Elevation	3,300 feet
Rotor/Shaft wk²	1.00 Lb-Ft²
Ref Wdg	HA31324016 NONE
Sound Pressure @ 1M	47 dBA
VFD Rating	VARIABLE 20:1
Outline Dwg	SS620684
Conn. Diag	EE7308
Additional Specifications:	
0	
0	

EQUIV CKT (OHMS / PHASE)

R1	R2	X1	X2	Xm
0.7380	0.4060	2.2010	2.6160	46.8600

Speed -Torque Curve

