marathon®

General Purpose Motors

Model No: 213TTFBD6029
Catalog No: GT1316A

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213TC Frame, TEFC

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Product Information Packet: Model No: 213TTFBD6029, Catalog No: GT1316A General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1800 RPM, 213TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**7.50 & 5 Hp**
Output KW	**5.6 & 3.7 kW**	Voltage	**230/460 & 190/380 V**
Speed	**1768 & 1475 r/min**	Synchronous RPM	**1800 & 1500 r/min**
Service Factor	**1.15 & 1.15**	Frame	**213TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**91.7 & 90.2 %**	Ambient Temperature	**40 °C**
Frequency	**60 & 50 Hz**	Current	**19/9.5 & 16.2/8.1 A**
Power Factor	**79.3**	Duty	**Continuous**
Insulation Class	**F**	Design Code	**B**
KVA Code	**H**	Drive End Bearing Size	**6307**
Opp Drive End Bearing Size	**6206**	UL	**Listed**
CSA	**Y**	CE	**Y**
IP Code	**43**	Number of Speeds	**1**
Hazardous Location	**DIVISION 2 T2B**		

Technical Specifications

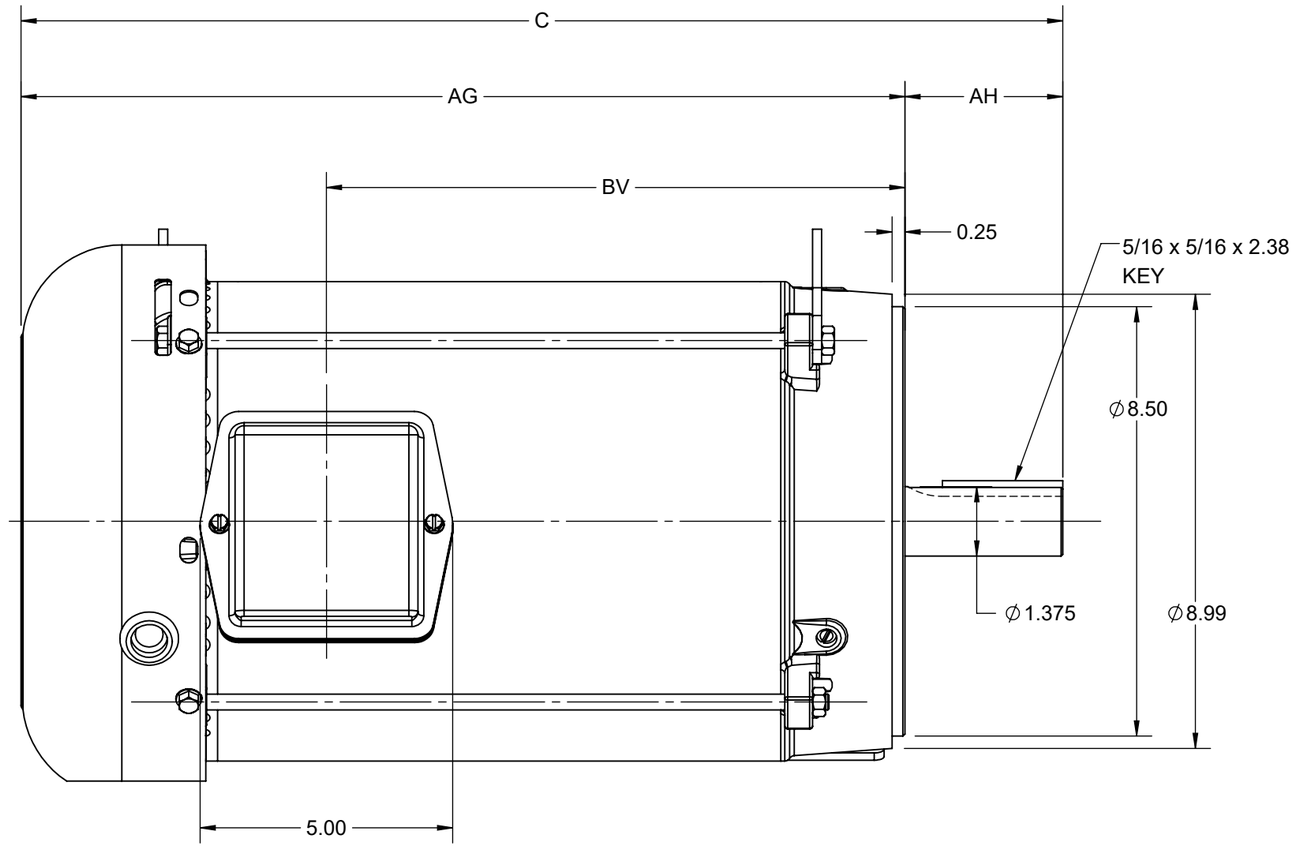
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**4**	Rotation	**Reversible**
Resistance Main	**1.473 O**	Mounting	**Round**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**19.1 in**
Frame Length	**9.65 in**	Shaft Diameter	**1.375 in**
Shaft Extension	**3.38 in**	Assembly/Box Mounting	**F1/F2 Capable**
Inverter Load	**Constant 10:1/Variable 10:1**		

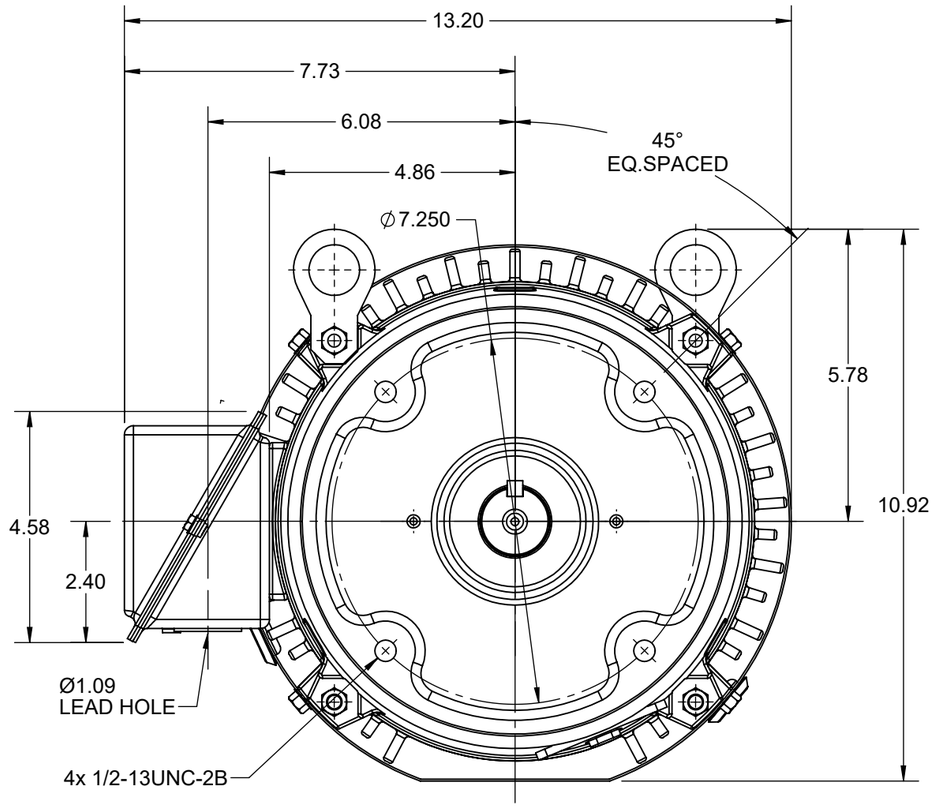
Drawings

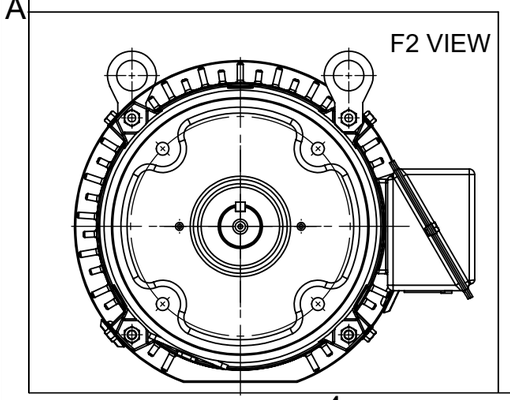
Connection Drawing	**EE7308**	Outline Drawing	**SS620712-100**

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DASH NO.	C	AG	AH	BV	MOUNTING	FRAME
100	19.12	16.00	3.12	9.95	F1 OR F2	213TC
200	20.62	17.50		11.45		215TC







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	07/25/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/25/2025

REQUEST NUMBER DESCRIPTION
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DATE	25/02/2016
APPROVED BY	ZYH
DATE	25/02/2016
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
213/215TC FR NEMA TEFC RS

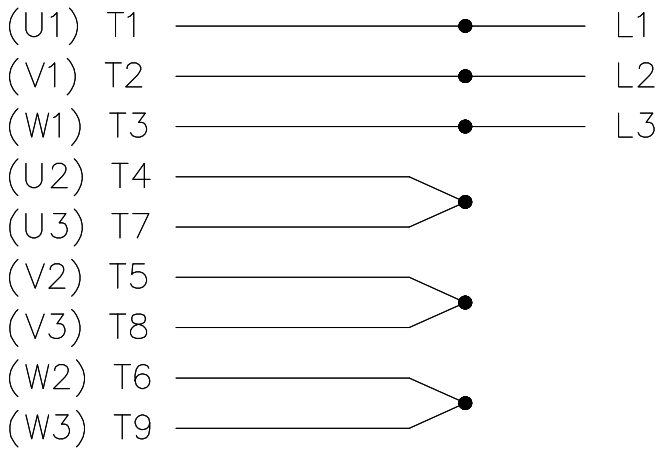
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SIZE	DRAWING NUMBER	SHEET
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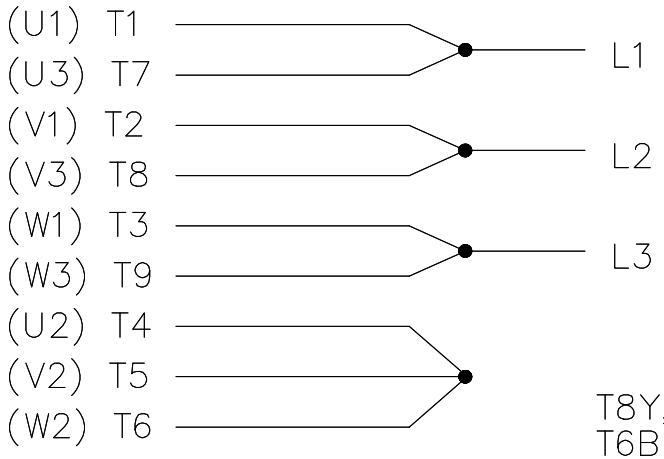
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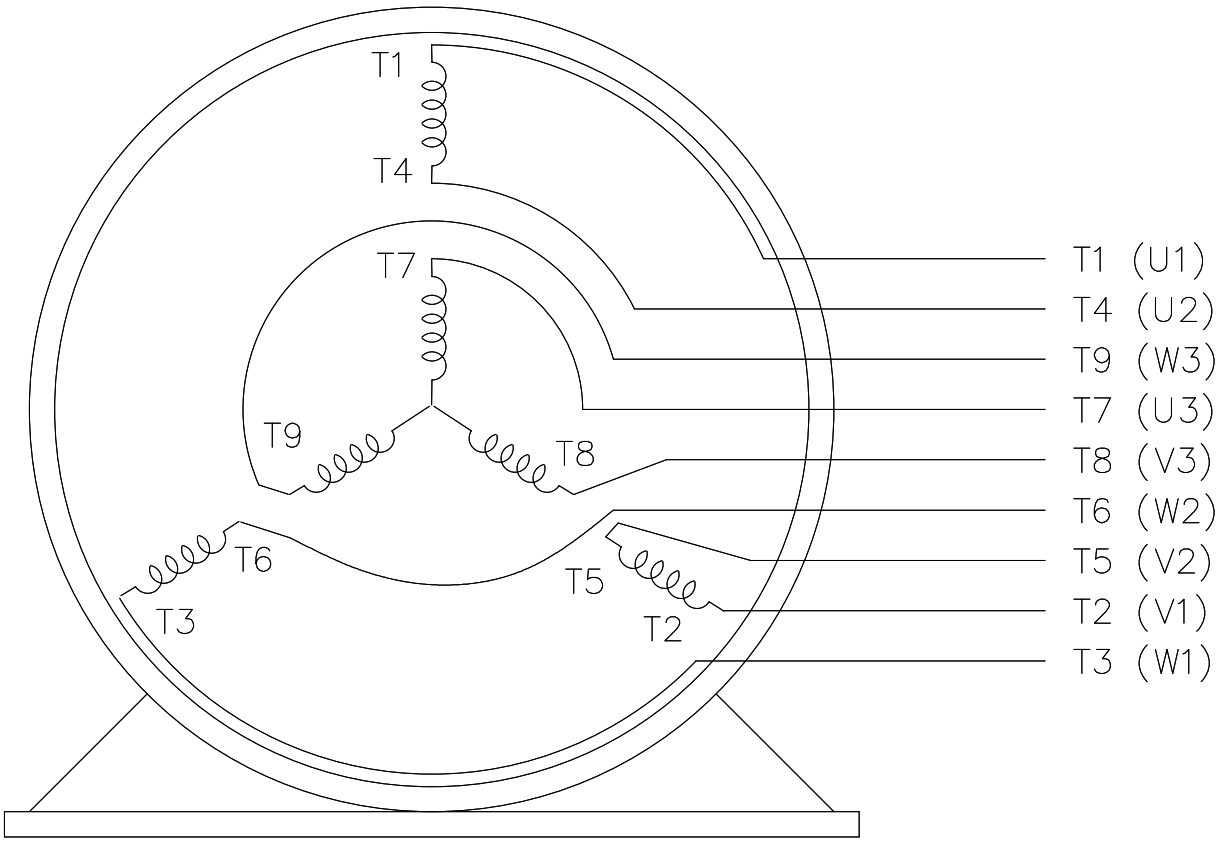
THREE PHASE
DUAL VOLTAGE MOTOR

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

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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

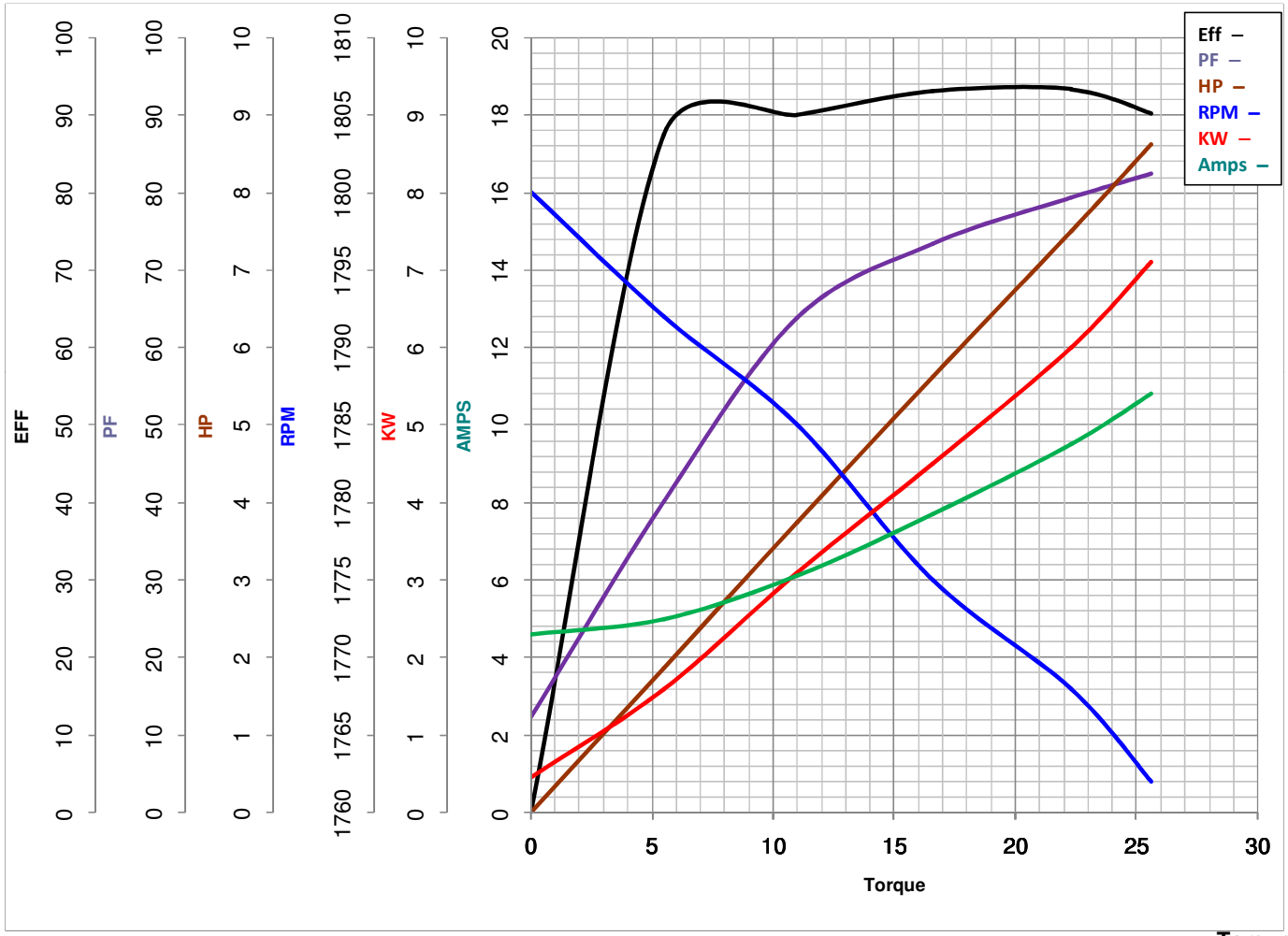
SIZE	DRAWING NUMBER	SHEET
A	4 of 5 EE7308	1 OF 1

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MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer		**Curve at**	460	**Volts**	**HP** 7.5&5	**PHASE**	3
			60	**HZ**			
Model No 213TTFBD6029			7.5	**HP**	**VOLTS** 230/460&190/380		
Catalog No GT1316A					**HZ** 60&50	**RPM**	1768&1475



Torque in Lb.Ft

FL TORQUE	22.3	**Lb.Ft**	**FL AMPS**	19/9.5	
BD TORQUE	59.0	**Lb.Ft**	**PU TORQUE**	38.0	**Lb.Ft**
LR TORQUE	45	**Lb.Ft**	**LR AMPS**	62	
WINDING	HE31324012-2	**Prepared By**	ANUSHA M	**Date**	5/4/2018