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General Purpose Motors

Model No: 213TTFBD6007
Catalog No: GT1415A

General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 213TC Frame, TEFC

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Product Information Packet: Model No: 213TTFBD6007, Catalog No: GT1415A General Purpose Motor, 7.50 HP, 3 Ph, 60 Hz, 575 V, 3600 RPM, 213TC Frame, TEFC

Nameplate Specifications

Phase	**3**	Output HP	**7.50 Hp**
Output KW	**5.6 kW**	Voltage	**575 V**
Speed	**3520 r/min**	Synchronous RPM	**3600 r/min**
Service Factor	**1.15**	Frame	**213TC**
Enclosure	**Totally Enclosed Fan Cooled**	Thermal Protection	**No Protection**
Efficiency	**89.5 %**	Ambient Temperature	**40 °C**
Frequency	**60 Hz**	Current	**7.2 A**
Power Factor	**86.5**	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

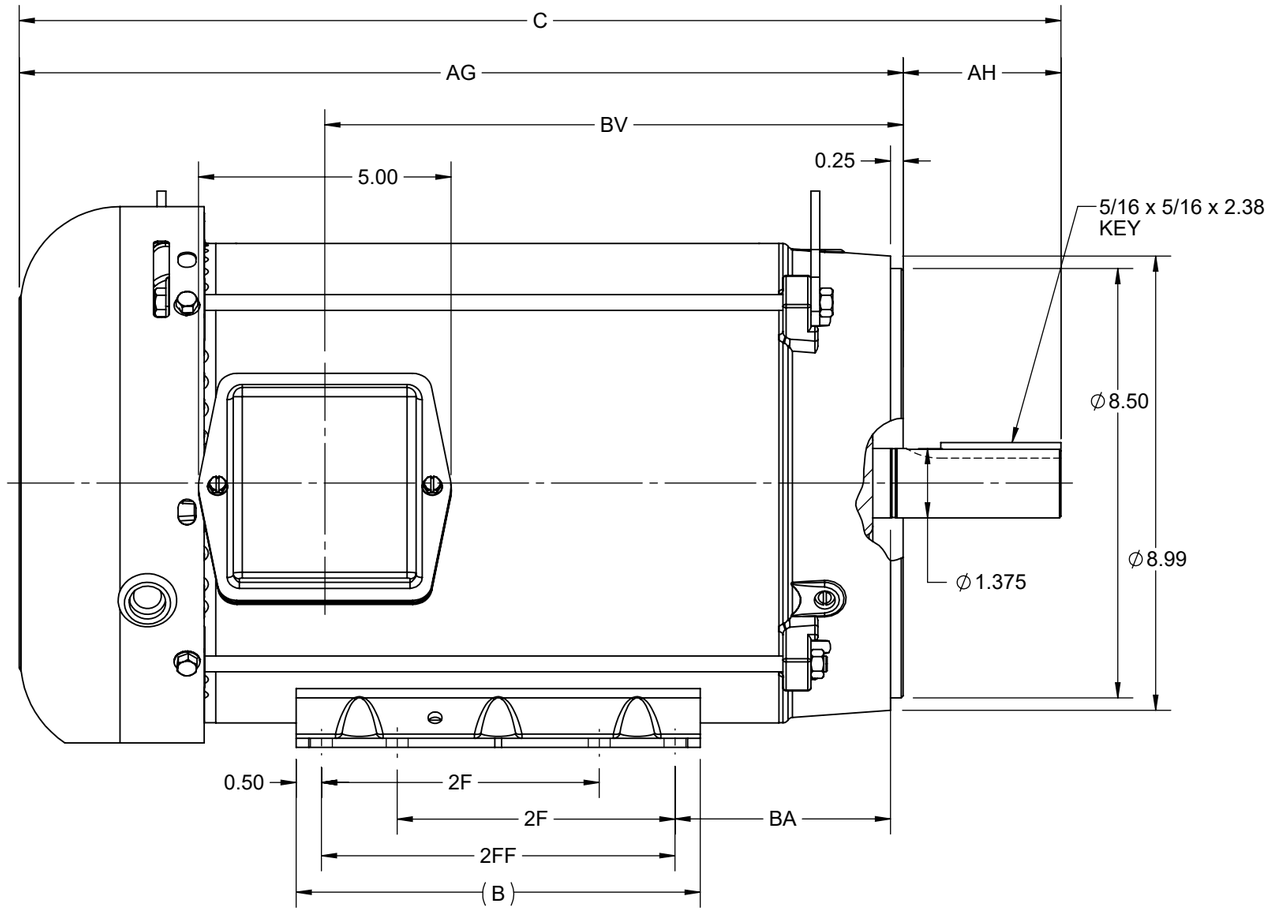
Electrical Type	**Squirrel Cage Inverter Rated**	Starting Method	**Line Or Inverter**
Poles	**2**	Rotation	**Reversible**
Resistance Main	**1.661 O**	Mounting	**Rigid Base**
Motor Orientation	**Horizontal**	Drive End Bearing	**Ball**
Opp Drive End Bearing	**Ball**	Frame Material	**Rolled Steel**
Shaft Type	**T**	Overall Length	**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 2:1/Variable 10:1**		

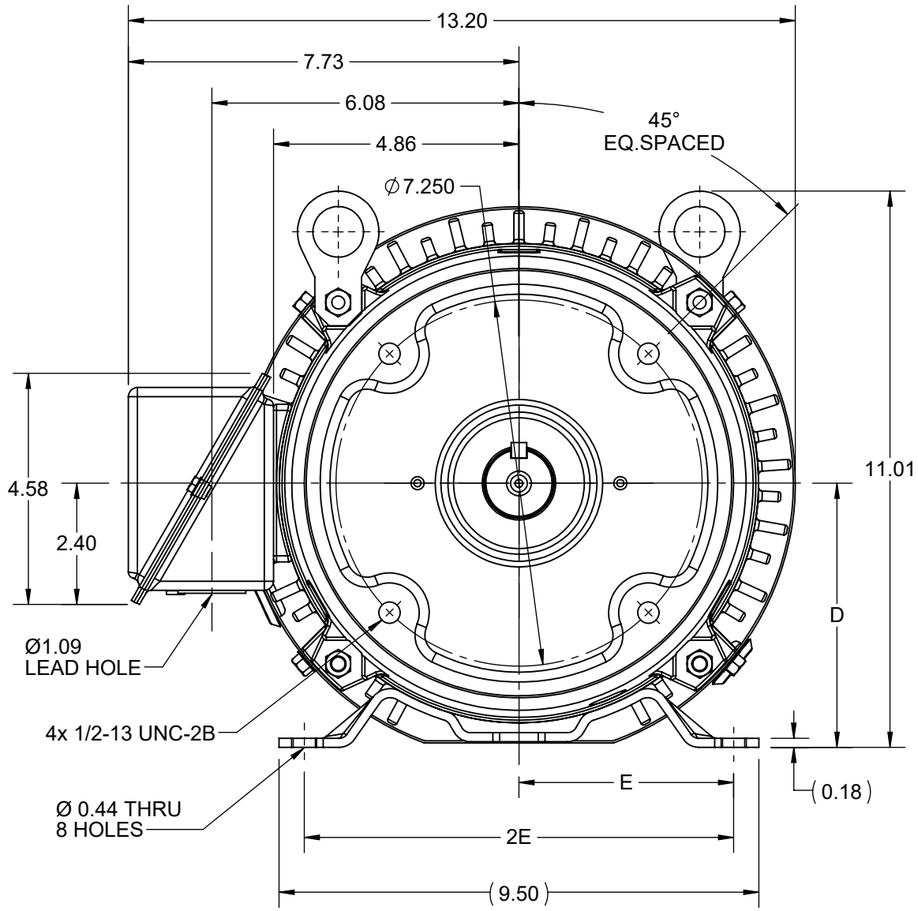
Drawings

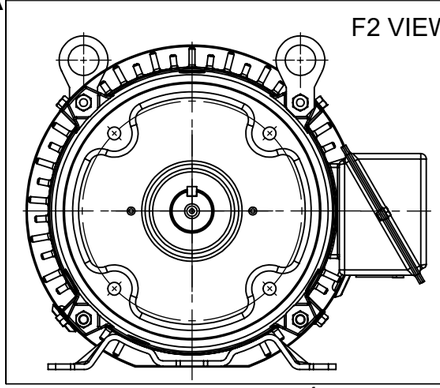
Connection Drawing	**EE7300**	Outline Drawing	**SS620688-100**

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DASH NO.	B	C	D	E	2E	2F	2FF	AG	AH	BA	BV	MOUNTING	FRAME
100	8.00	19.13	5.25	4.25	8.50	5.50	7.00	16.00	3.12	4.25	9.95	F1 OR F2	213TC
200		20.63						17.50			11.45		215TC







DRAWING REVISION	REVISION BY	REV DATE/© DATE
E	SB	07/22/2025
REQUEST NUMBER	APPROVED BY	DATE
CR-0023556	SBD	07/22/2025

REQUEST NUMBER DESCRIPTION
DRAWING TITLE BLOCK UPDATED

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DRAWN BY	ZXW
DATE	06/03/2015
APPROVED BY	ZYH
DATE	06/03/2015
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
OUTLINE
213/215TC FR NEMA TEFC RS

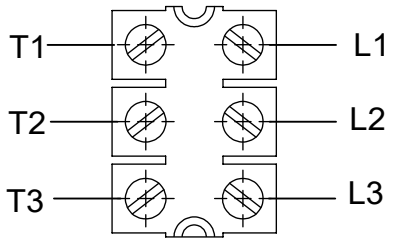
MATERIAL | PROCESS/FINISH

SIZE B | DRAWING NUMBER SS620688 | SHEET 1 OF 1

THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

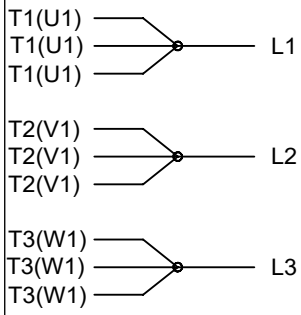
TO REVERSE ROTATION:
INTERCHANGE ANY TWO LINE
LEAD CONNECTIONS

TERMINAL BLOCK WHEN SPECIFIED

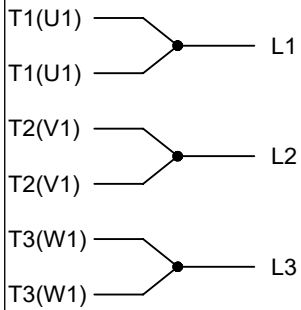


VIEW OF TERMINAL END

IF MOTOR HAS
9 LEADS



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION

L1	WHITE
L2	RED
L3	BLACK

DRAWING REVISION: AD	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: DA	
DATE: 03-26-1993	
APPROVED BY: TB	
DATE: 03-26-1993	
REFERENCE	
THIRD ANGLE PROJECTION	

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DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

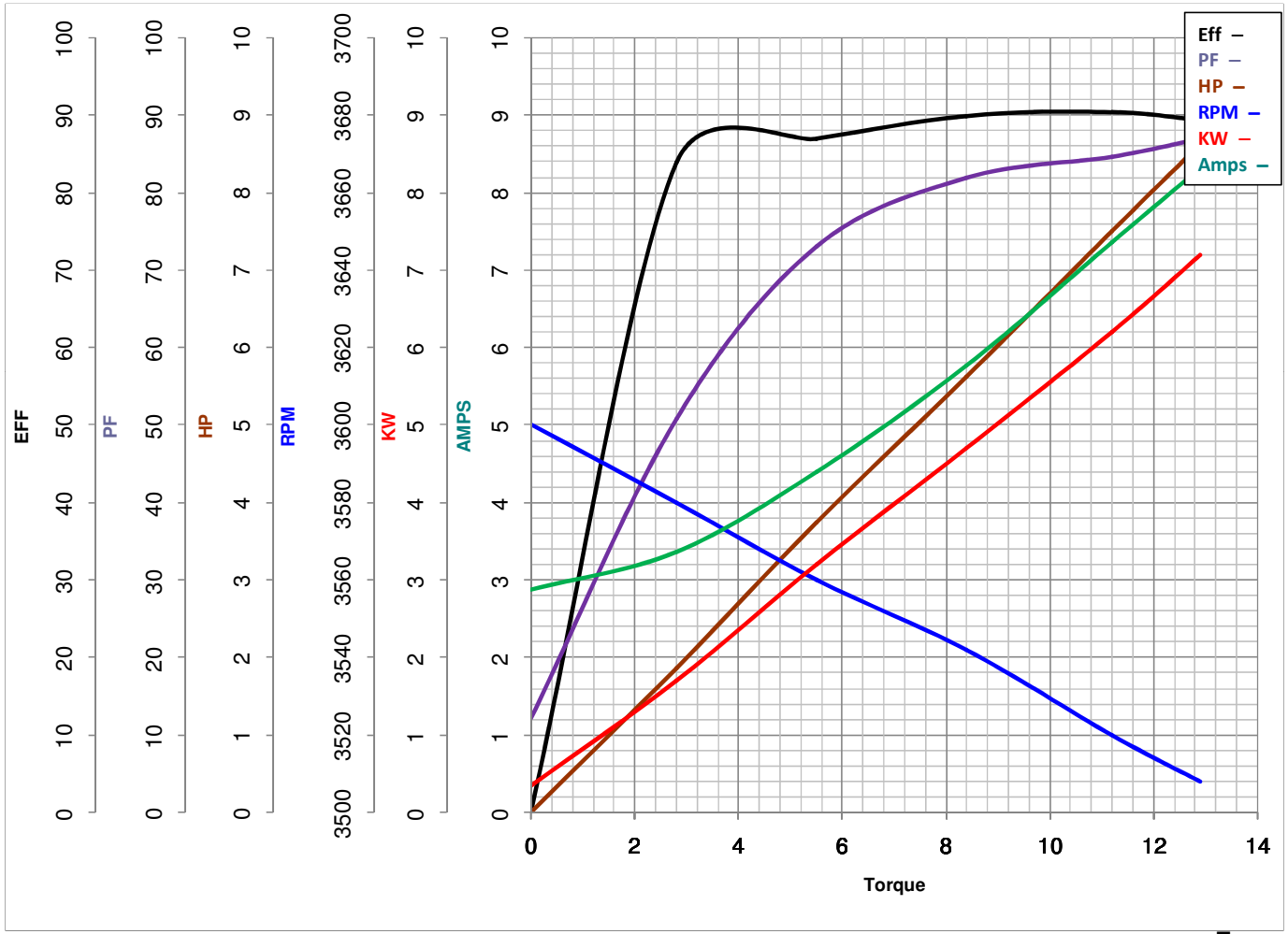
MATERIAL	PROCESS/FINISH

SIZE	DRAWING NUMBER	SHEET
A	EE7300	1 OF 1

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer	**Curve at**	575	**Volts**	**HP**	7.50	**PHASE**	3
		60	**HZ**				
Model No 213TTFBD6007		7.5	**HP**	**VOLTS**	575		
Catalog No GT1415A				**HZ**	60	**RPM**	3520



Torque in Lb.Ft

FL TORQUE	11.2	**Lb.Ft**	**FL AMPS**	7.4	
BD TORQUE	32.0	**Lb.Ft**	**PU TORQUE**	17.5	**Lb.Ft**
LR TORQUE	20	**Lb.Ft**	**LR AMPS**	48	
WINDING	HE31322011-3	**Prepared By**	ANUSHA M	**Date**	5/4/2018