

General Purpose Motors

Model No: 213TTFBD6003

Catalog No: GT1215A

General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 RPM, 213TC
Frame, TEFC

Product Information Packet: Model No: 213TTFBD6003, Catalog No: GT1215A General Purpose Motor, 7.50 & 5 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 3600 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	3520 & 2935 r/min	Synchronous RPM	3600 & 3000 r/min
Service Factor	1.15 & 1.15	Frame	213TC
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	89.5 & 87.2 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	18/9 & 15.2/7.6 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		

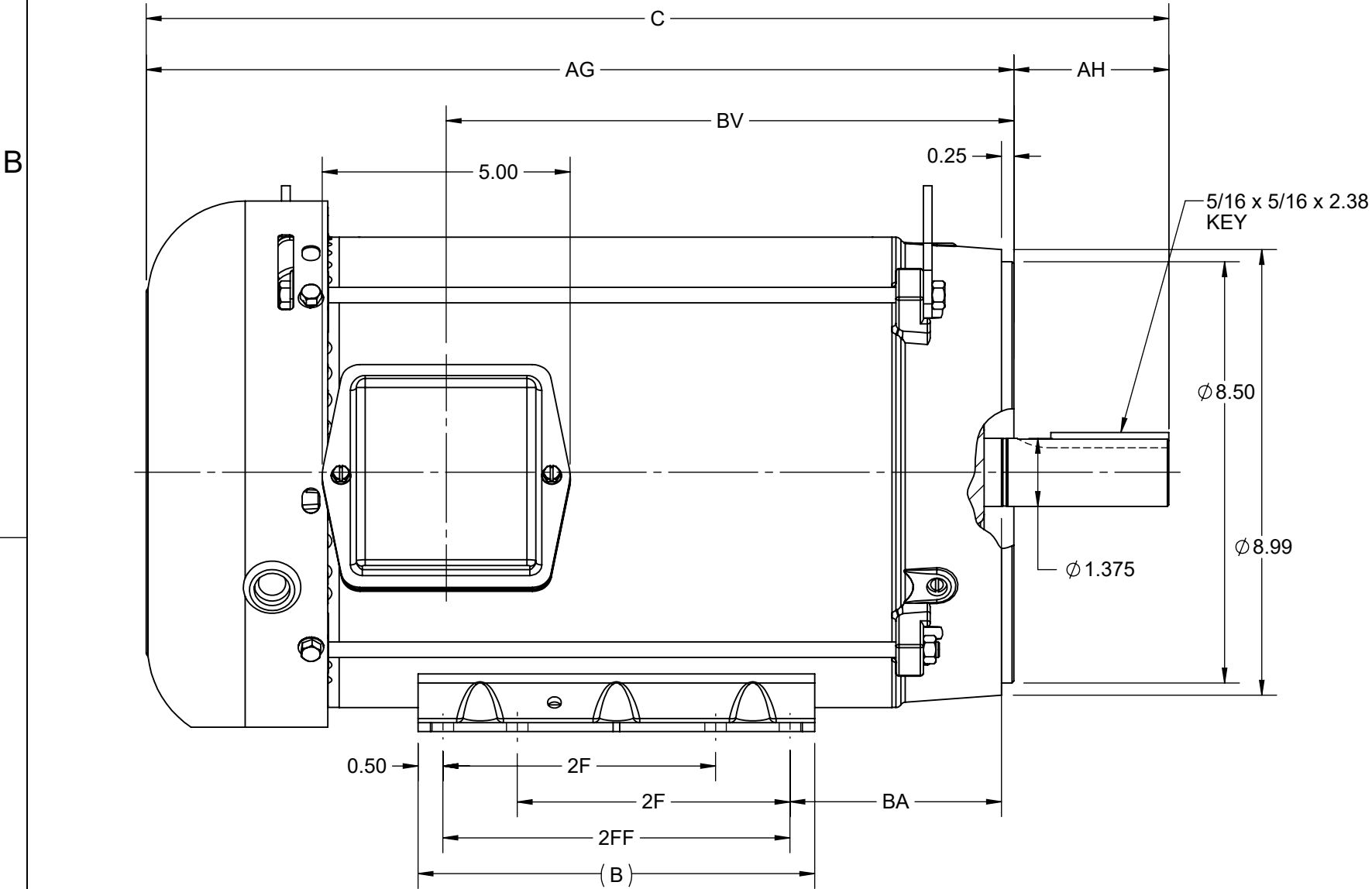
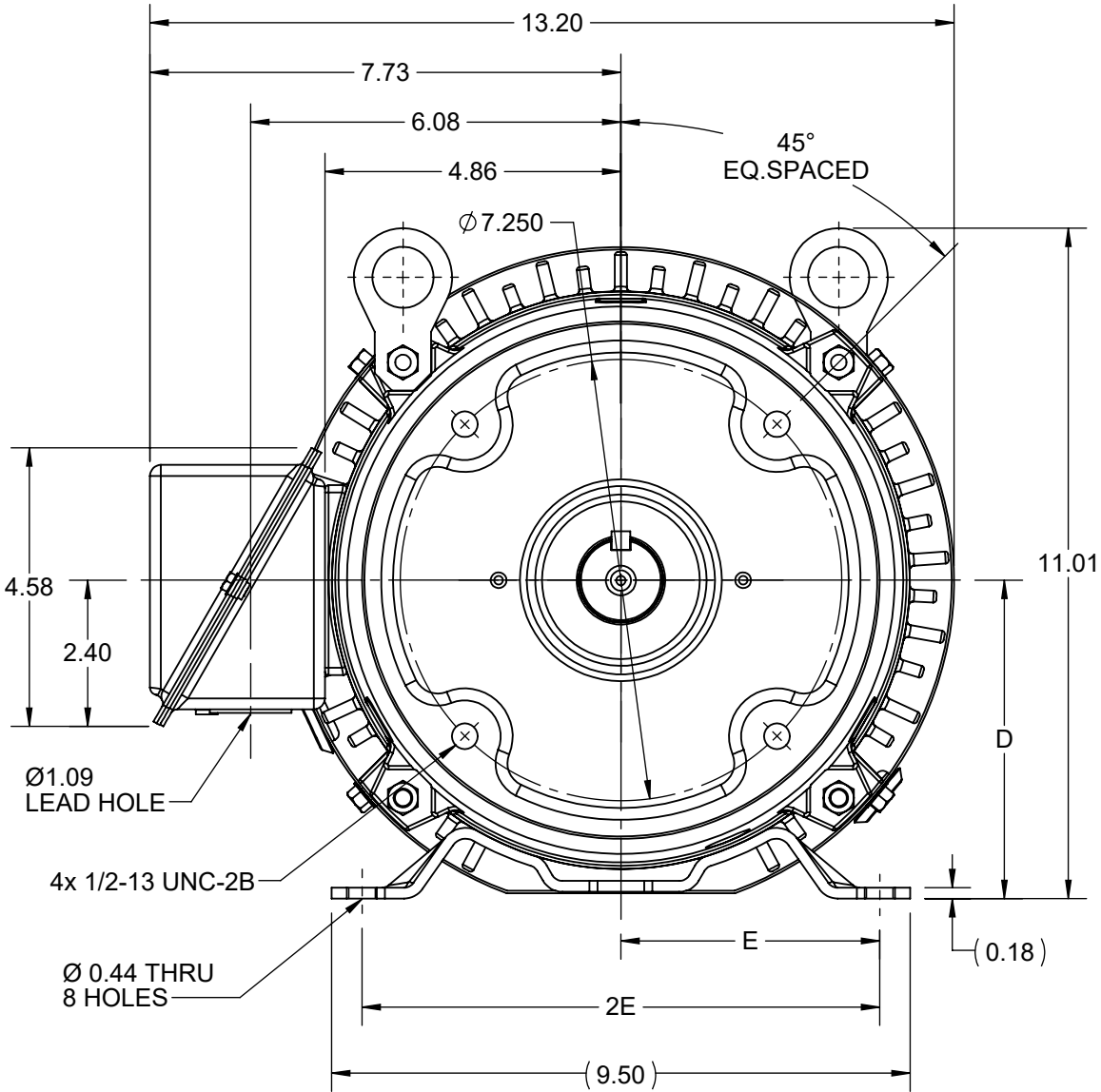
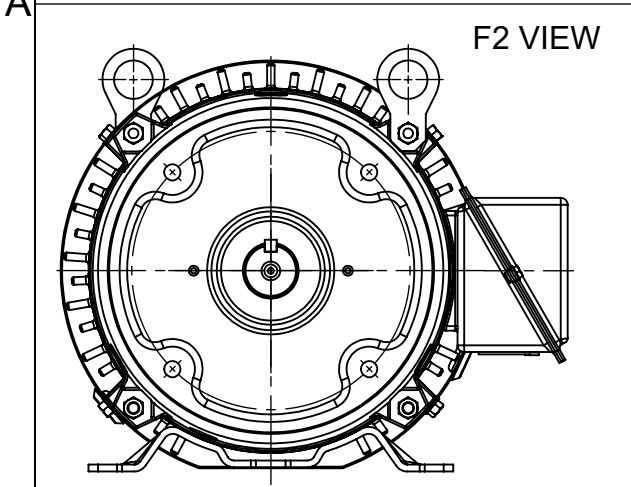
Technical Specifications

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	EE7308	Outline Drawing	SS620688-100
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4				3				2				1	
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



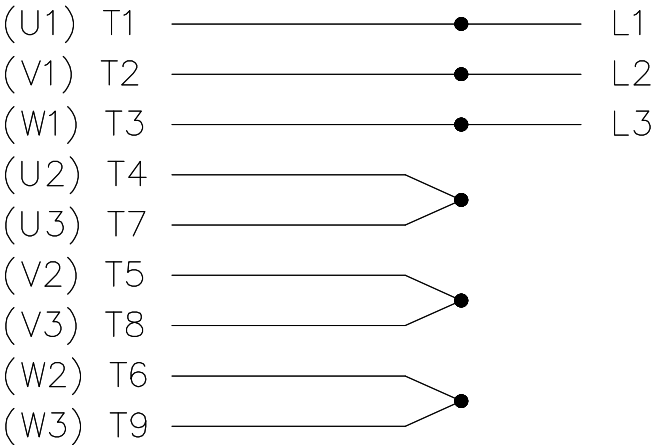
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REQUEST NUMBER CR-0023556	APPROVED BY SBD	DATE 07/22/2025
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED		
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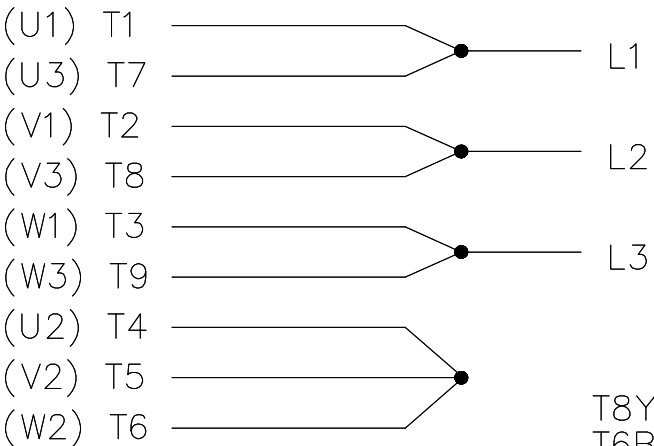
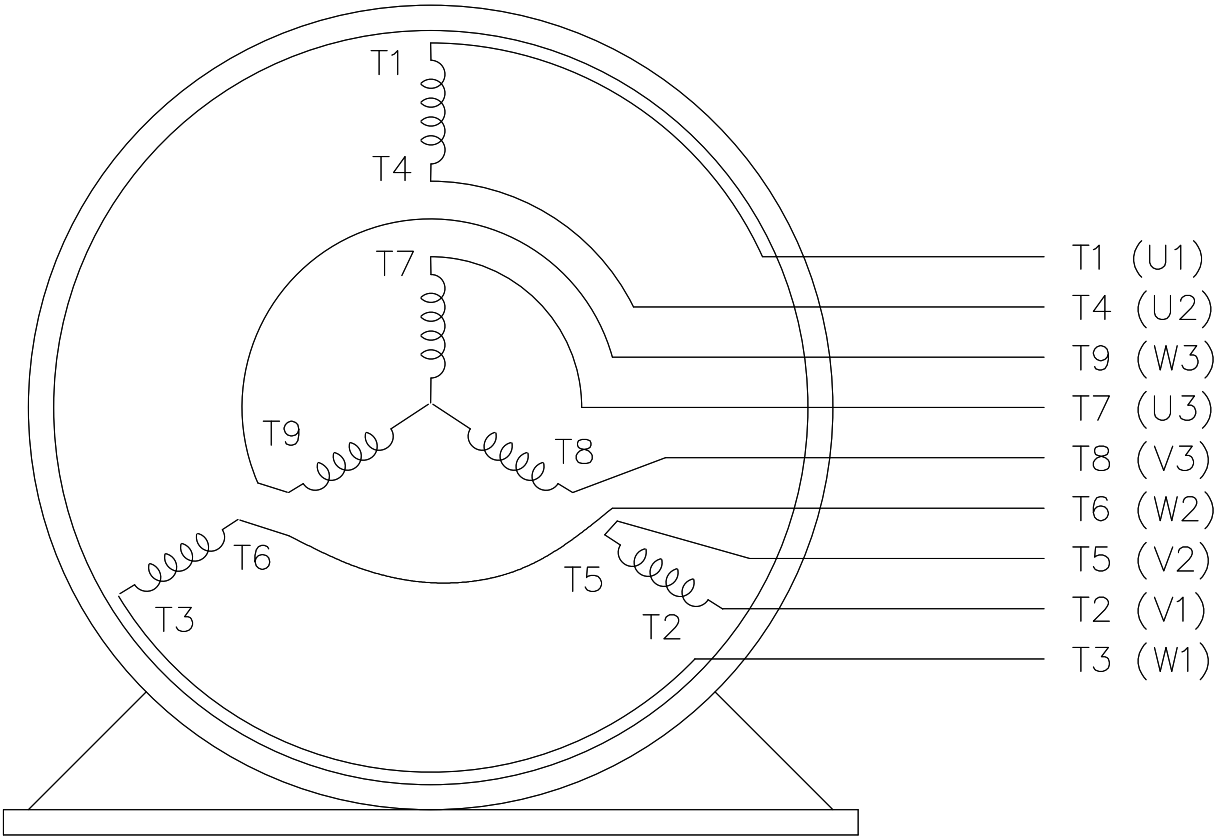
DRAWN BY ZXW		<div>marathon™</div>	
DATE 06/03/2015			
APPROVED BY ZYH		DESCRIPTION <div>OUTLINE</div> <div>213/215TC FR NEMA TEFC RS</div>	
DATE 06/03/2015			
REFERENCE		MATERIAL	PROCESS/FINISH
THIRD ANGLE PROJECTION		SIZE	DRAWING NUMBER
		B	SS620688
		SHEET 1 OF 1	

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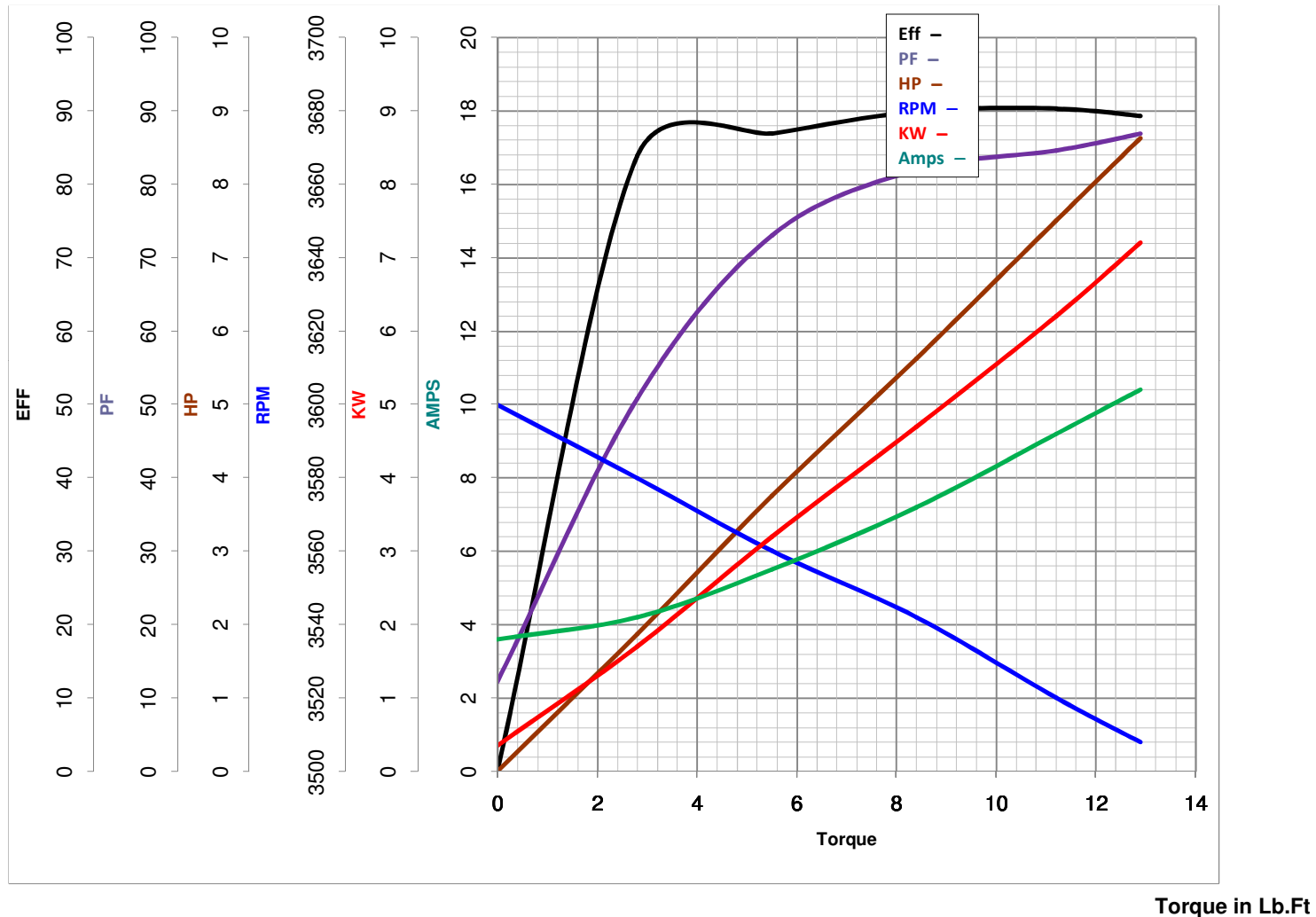
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DRAWN BY RM
DATE 11/20/1990
APPROVED BY SAS
DATE 04/24/2003
REFERENCE
THIRD ANGLE PROJECTION

marathon™		
DESCRIPTION CONN DIAGRAM-EXTERNAL 3Ø - DUAL VOLTAGE MOTOR		
MATERIAL		PROCESS/FINISH
SIZE A	DRAWING NUMBER EE7308	SHEET 1 OF 1

MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer**Curve at**460**Volts****HP** 7.5&5**PHASE** 3**Model No** 213TTFBD600360**HZ**7.5**HP****VOLTS** 230/460&190/380**Catalog No** GT1215A**HZ** 60&50**RPM** 3520&2935

FL TORQUE 11.2 Lb.Ft
BD TORQUE 32.0 Lb.Ft
LR TORQUE 20 Lb.Ft

FL AMPS 18.4/9.2
PU TORQUE 17.5 Lb.Ft
LR AMPS 60

WINDING

HE31322011-2

Prepared By

FAREERDA

Date

5/7/2018