

General Purpose Motors

Model No: 182TTFCD6076

Catalog No: GT1005A

General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182T Frame,
TEFC

Product Information Packet: Model No: 182TTFC6076, Catalog No: GT1005A General Purpose Motor, 1.50 & 1 HP, 3 Ph, 60 & 50 Hz, 230/460 & 190/380 V, 1200 RPM, 182T Frame, TEFC

Nameplate Specifications

Phase	3	Output HP	1.50 & 1 Hp
Output KW	1.1 & 0.75 kW	Voltage	230/460 & 190/380 V
Speed	1175 & 980 r/min	Synchronous RPM	1200 & 1000 r/min
Service Factor	1.15 & 1.15	Frame	182T
Enclosure	Totally Enclosed Fan Cooled	Thermal Protection	No Protection
Efficiency	87.5 & 78.5 %	Ambient Temperature	40 °C
Frequency	60 & 50 Hz	Current	4.6/2.3 & 4.6/2.3 A
Power Factor	70	Duty	Continuous
Insulation Class	F	Design Code	A
KVA Code	N	Drive End Bearing Size	6206
Opp Drive End Bearing Size	6205	UL	Listed
CSA	Y	CE	Y
IP Code	55	Number of Speeds	1
Hazardous Location	DIVISION 2 T2B		

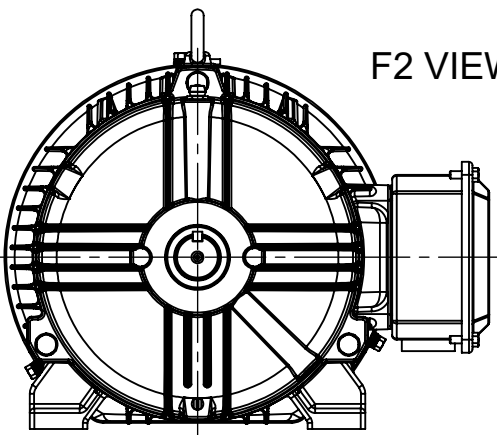
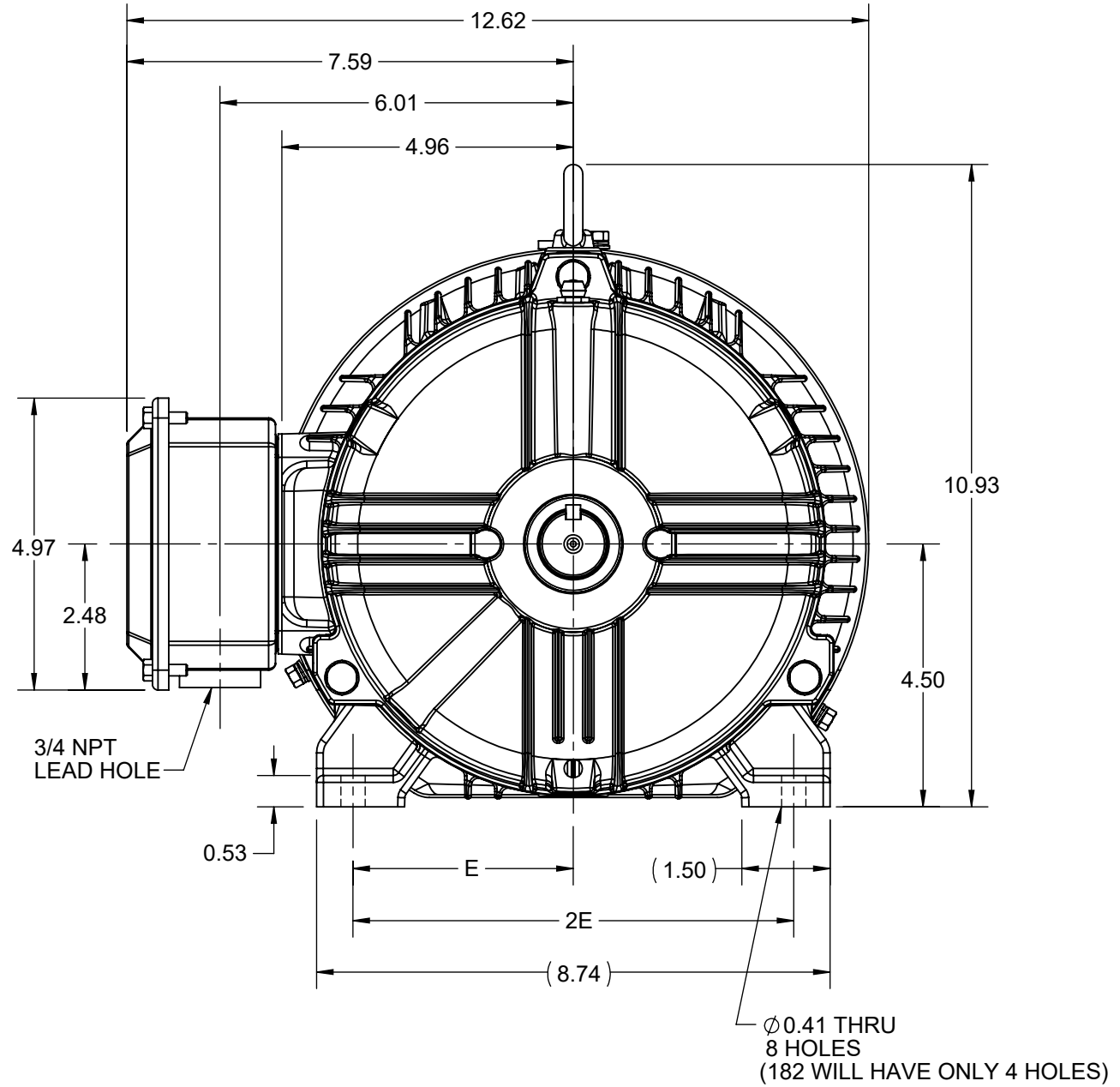
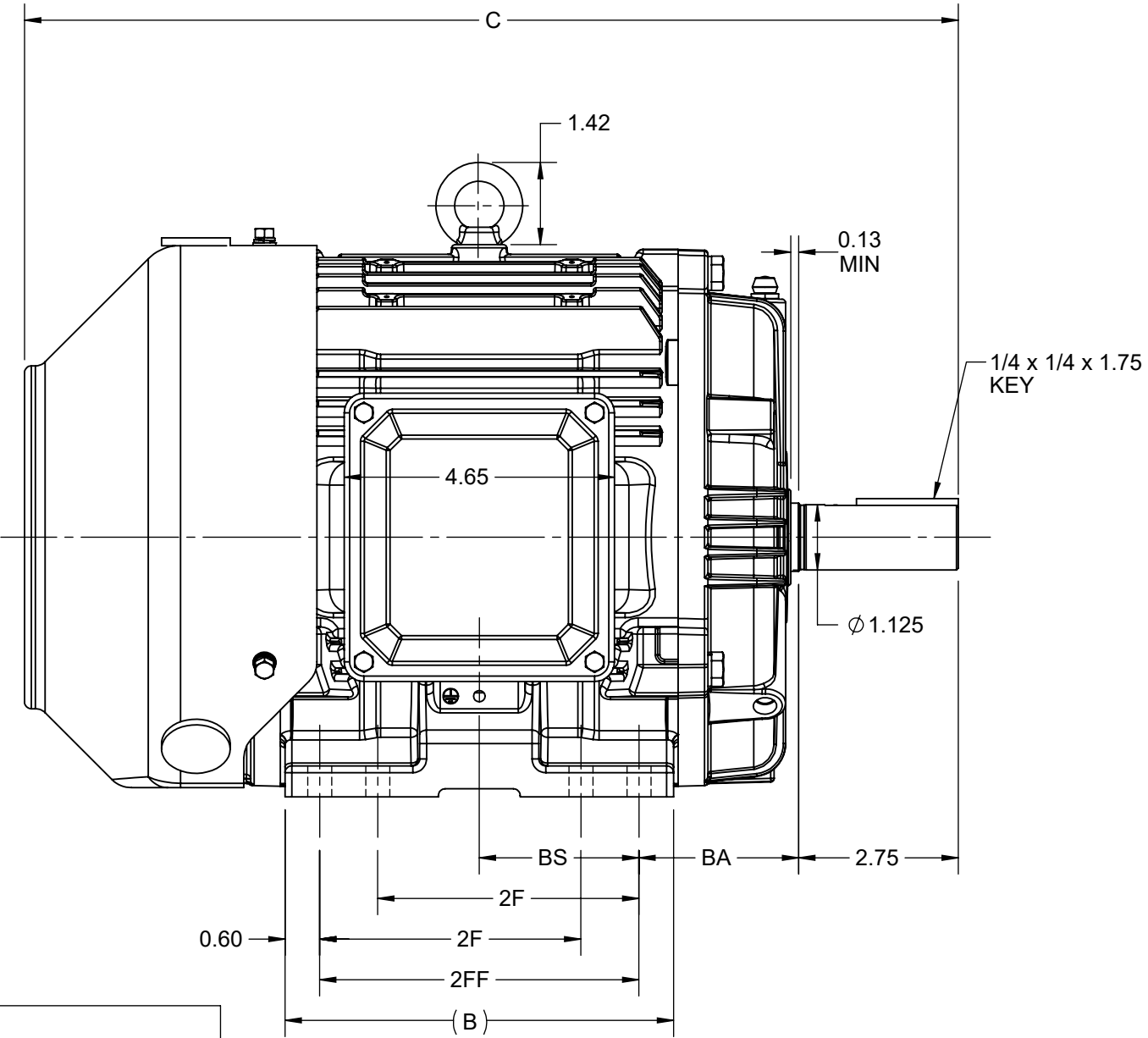
Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Reversible
Resistance Main	6.995 O	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Cast Iron
Shaft Type	T	Overall Length	15.08 in
Frame Length	5.82 in	Shaft Diameter	1.125 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1/F2 Capable
Inverter Load	Constant 10:1/Variable 10:1		

Drawings

Connection Drawing	EE7308	Outline Drawing	SS620855-100
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4				3				2			1
DASH NO.	B	C	E	2E	2F	2FF	BA	BS	MOUNTING	FRAME	
100	5.67	15.08	3.75	7.50	-	4.50	2.75	2.35	F1 OR F2	182T	
200	6.69	16.08			4.50	5.50		2.75		182/184T	



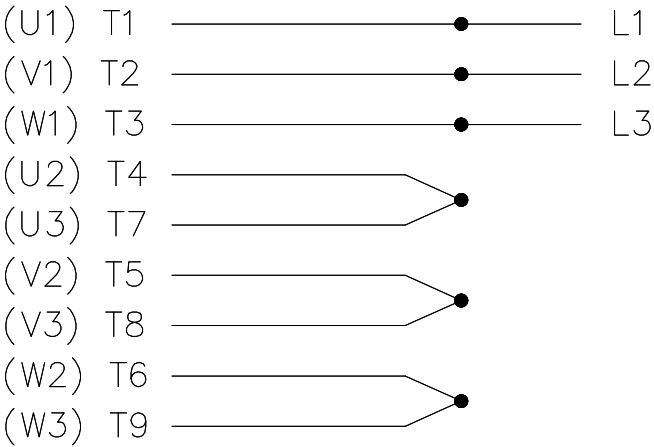
DRAWING REVISION C		REVISION BY SB		REV DATE/© DATE 08/08/2025		DRAWN BY WZ		DATE 08/11/2017		marathon™			
REQUEST NUMBER CR-0023556		APPROVED BY SBD		DATE 08/08/2025									
REQUEST NUMBER DESCRIPTION DRAWING TITLE BLOCK UPDATED						PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY		APPROVED BY WY		DESCRIPTION			
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						REFERENCE		MATERIAL		PROCESS/FINISH			
THIRD ANGLE PROJECTION				SIZE B		DRAWING NUMBER SS620855		SHEET 1 OF 1					

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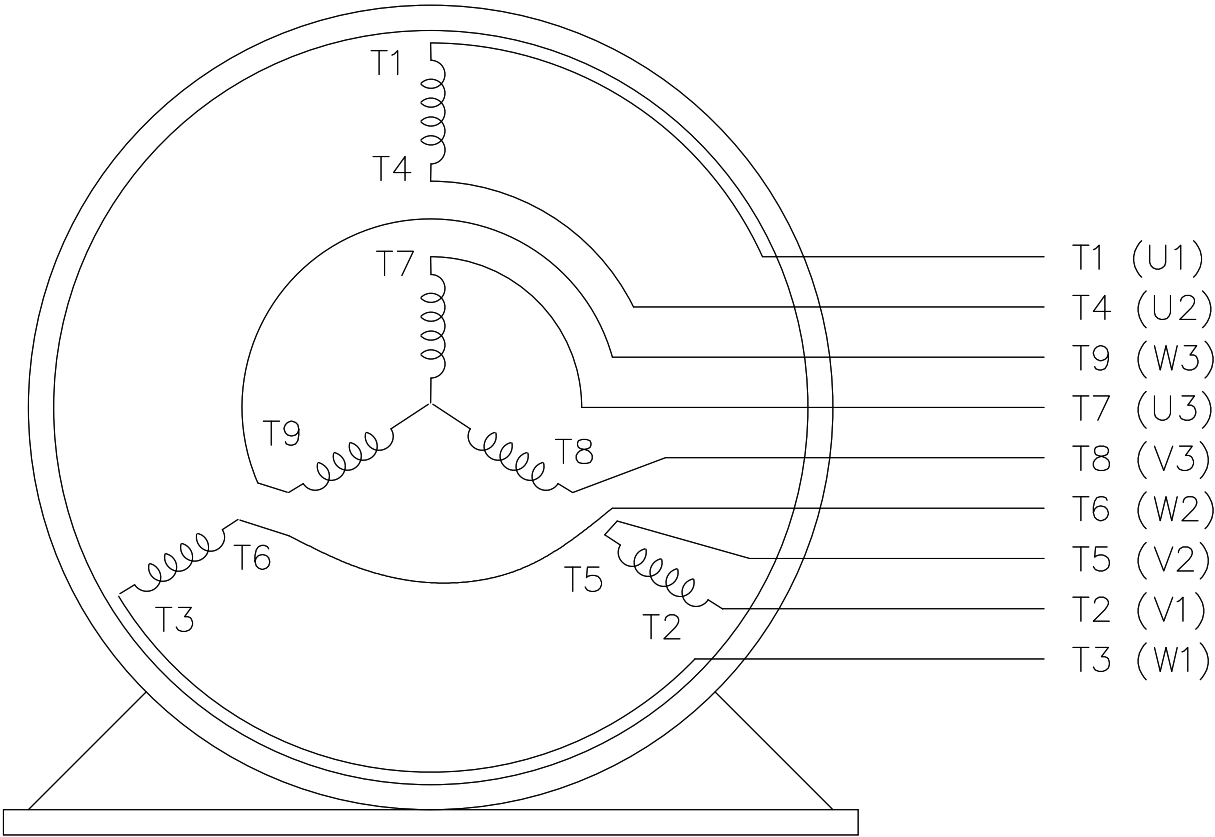
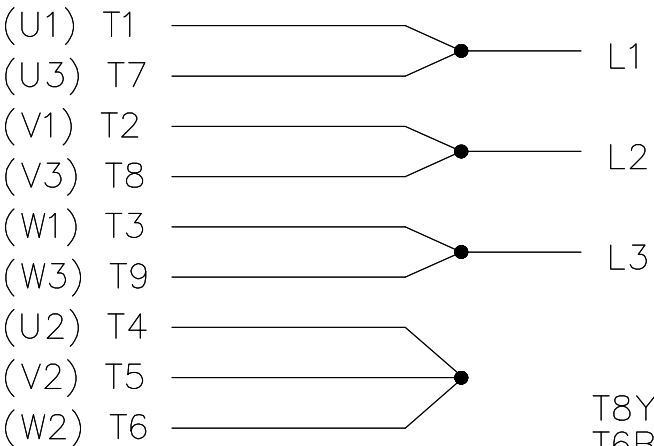
OUTLINE
182/184T FR-NEMA TEFC CAST IRON

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

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

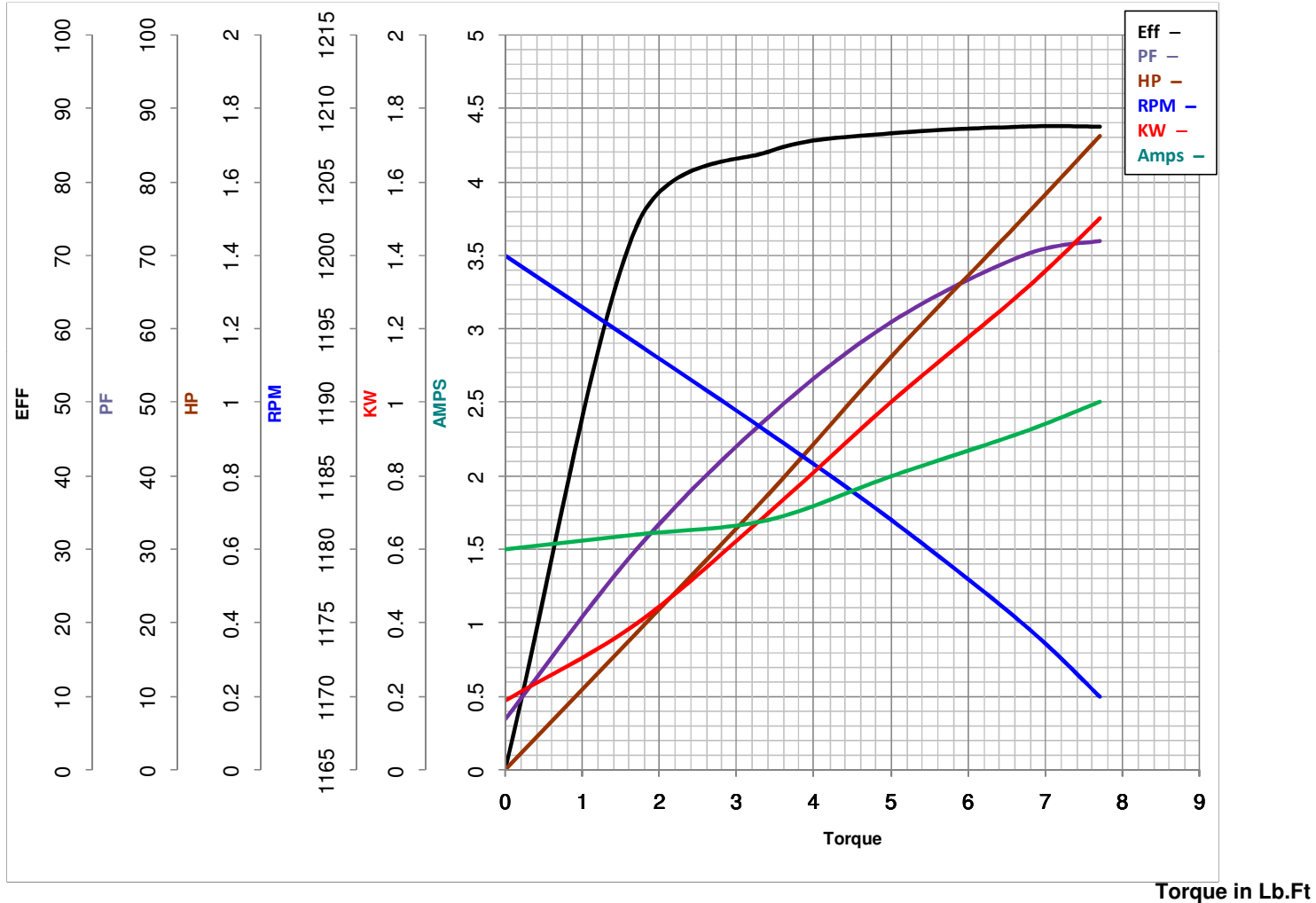
Volts

HP 1.5&1PHASE 3Model No 182TTFCD607660

HZ

1.5

HP

VOLTS 230/460&190/380Catalog No GT1005AHZ 60&50RPM 1175&980FL TORQUE 6.7 Lb.FtBD TORQUE 25.0 Lb.FtLR TORQUE 18.5 Lb.FtFL AMPS 4.6/2.3PU TORQUE 15.0 Lb.FtLR AMPS 18.5

WINDING HE31126008-3

Prepared By

ANUSHA M

Date

5/4/2018