

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFBD6095

Catalog No: GT3505A

1.50 HP Close-Coupled Pump Motor, 3 phase, 1200 RPM, 575 V, 182JP Frame, TEFC
Close-Coupled Pump Motors



Regal and Marathon are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2021 Regal Rexnord Corporation, All Rights Reserved. MC017097E

RegalRexnord

Nameplate Specifications

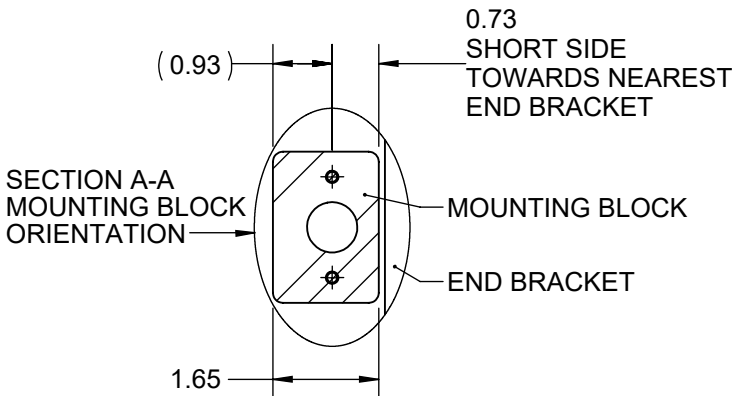
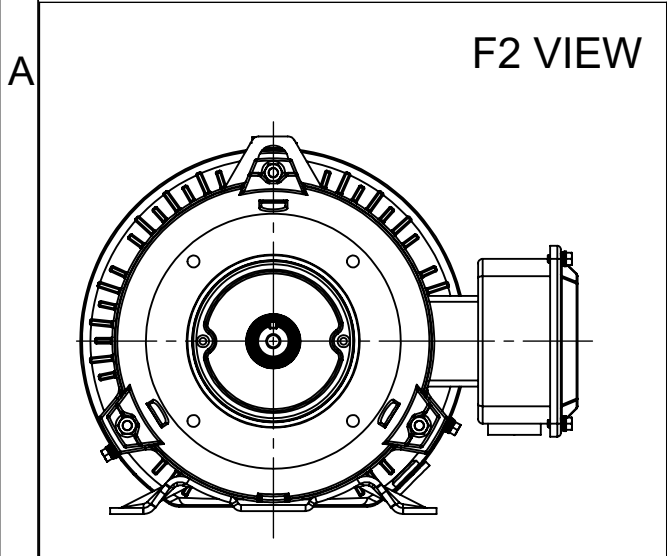
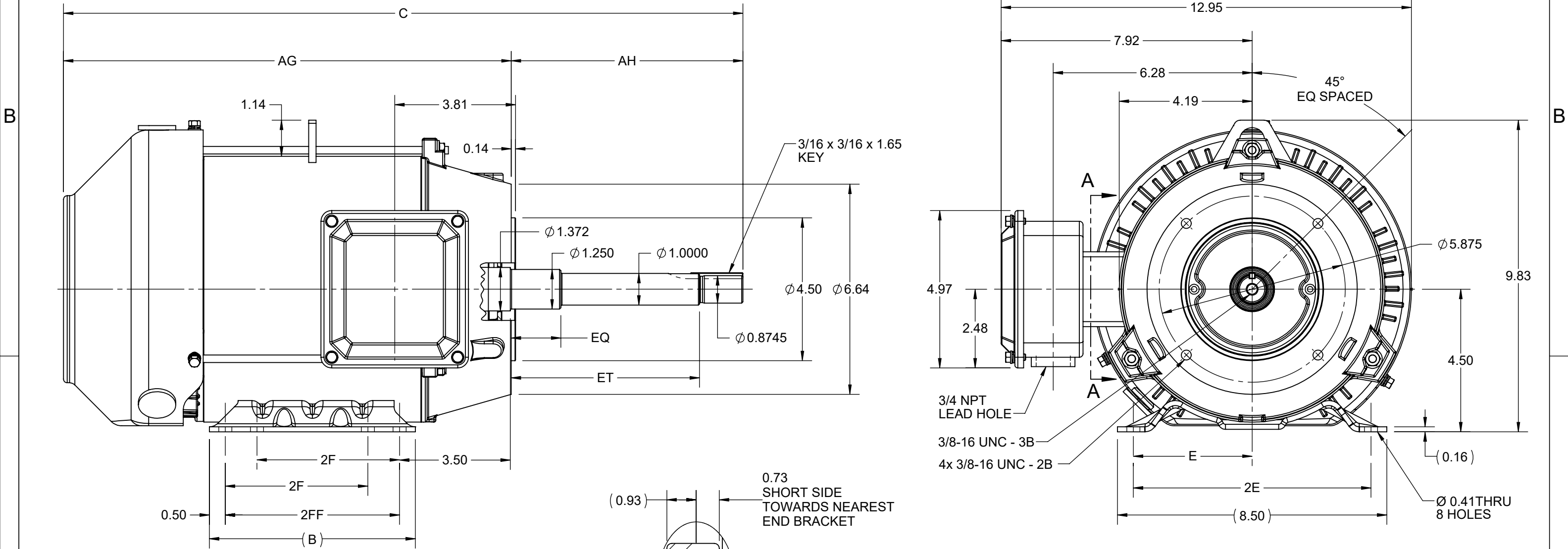
Output HP	1.50 Hp	Output KW	1.1 kW
Frequency	60 Hz	Voltage	575 V
Current	1.8 A	Speed	1175 rpm
Service Factor	1.15	Phase	3
Efficiency	87.5 %	Power Factor	70
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	N
Frame	182JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	40 °C
Drive End Bearing Size	6307	Opp Drive End Bearing Size	6205
UL	Listed	CSA	Y
CE	Y	IP Code	43
Hazardous Location	DIVISION 2 T2B	Number of Speeds	1

Technical Specifications

Electrical Type	Squirrel Cage Inverter Rated	Starting Method	Line Or Inverter
Poles	6	Rotation	Selective Clockwise
Resistance Main	6.995 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JP	Shaft Diameter	1.250 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS600203

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:10/06/2021

4				3				2				1
DASH NO.	B	C	E	2E	2F	2FF	AG	AH	EQ	ET	MOUNTING	FRAME
100	6.50	20.44	3.75	7.50	4.50	5.50	13.12	7.31	1.56	5.93	F1 OR F2	182JP
200		21.44					14.12					184JP



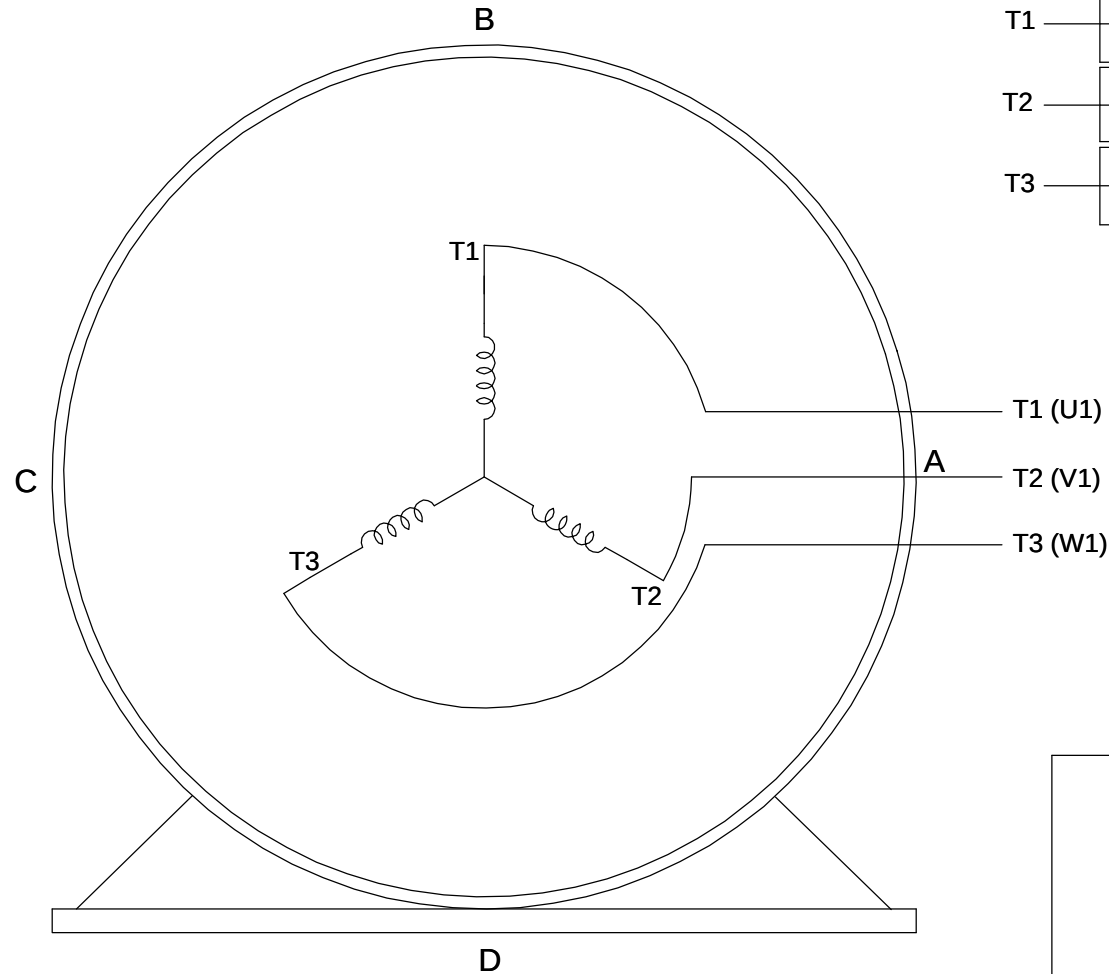
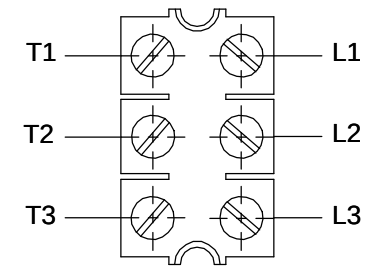
DRAWING REVISION C	REVISION BY SP	REV DATE/© DATE 16/04/2021
ECO CR-0002149	APPROVED BY GNK	DATE 16/04/2021
DRAWING UPDATED		
COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.		

PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY MSH	Regal Beloit America, Inc.	
	DATE 18/04/2018		
	APPROVED BY SBD	DESCRIPTION OUTLINE NEMA 182/184JP FR TEFC RS	
	DATE 18/04/2018		
THIRD ANGLE PROJECTION	REFERENCE	MATERIAL	PROCESS/FINISH
	SIZE B	DRAWING NUMBER SS600203	SHEET 1 OF 1

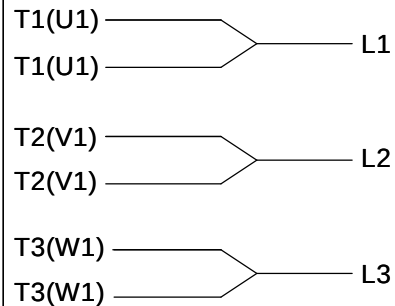
THREE PHASE - SINGLE VOLTAGE
MOTOR - CONDUIT BOX @ 'A'

TO REVERSE ROTATION:
INTERCHANGE ANY TWO
LINE LEAD CONNECTIONS.

TERMINAL BLOCK WHEN SPECIFIED



IF MOTOR HAS
6 LEADS



A-9806 DECAL

OPTIONAL CORD
CONNECTION



VIEW OF TERMINAL END

DRAWING REVISION AB	REVISION BY JJB	DATE 06-27-2017	DRAWN BY DA		 Regal Beloit America, Inc.	
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017	DATE 03-26-1993			
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS			APPROVED BY TB		DESCRIPTION CONNECTION DIAGRAM EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR	
COPYRIGHT REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.			DATE 03-26-1993		MATERIAL	
			REFERENCE		PROCESS/FINISH	
			THIRD ANGLE PROJECTION		SIZE A	
					SHEET 1 OF 1	



**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300**OUTLINE:** SS600203-182JP**WINDING #:** HE31126008 2**CUSTOMER PO#:****MODEL #:** 182TTFBD6095 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	1200	1175	182JP	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	1.8	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	87.5	3/4 LOAD EFF:	86	1/2 LOAD EFF:	84	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	70	3/4 LOAD PF:	59.5	1/2 LOAD PF:	48	86.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.7 LB-FT	14.8	16.2 LB-FT 242 %	25.5 LB-FT 381 %	55

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
50 dBA	60 dBA	- LB-FT^2	- LB-FT^2	15 SEC.	2	104 LBS.

***** SUPPLEMENTAL INFORMATION *****

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	DIVISION 2 T2B	PROVISIONS ONLY	NONE	BLUE (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JP	NONE	NONE	1045 HOT ROLLED (C-204)	ROLLED STEEL
6307	6205						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

*

N

O

T

E

S

*

INVERTER TORQUE:

CONSTANT 10:1/VARIABLE 10:1

INV. HP SPEED RANGE: NONE**ENCODER:** NONE

NONE NONE

NONE NONE PPR

BRAKE: NONE NONE

NONE P/N NONE

NONE NONE

NONE FT-LB NONE V NONE Hz

PREPARED BY: DineshSuddula **DATE:**

02/13/2019 02:56:03 AM

FORM 3531 REV.3 02/07/99

** Subject to change without notice.


MARATHON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Customer

Curve at

575

Volts

 HP 1.50

 PHASE 3

 Model No 182TTFBD6095
60

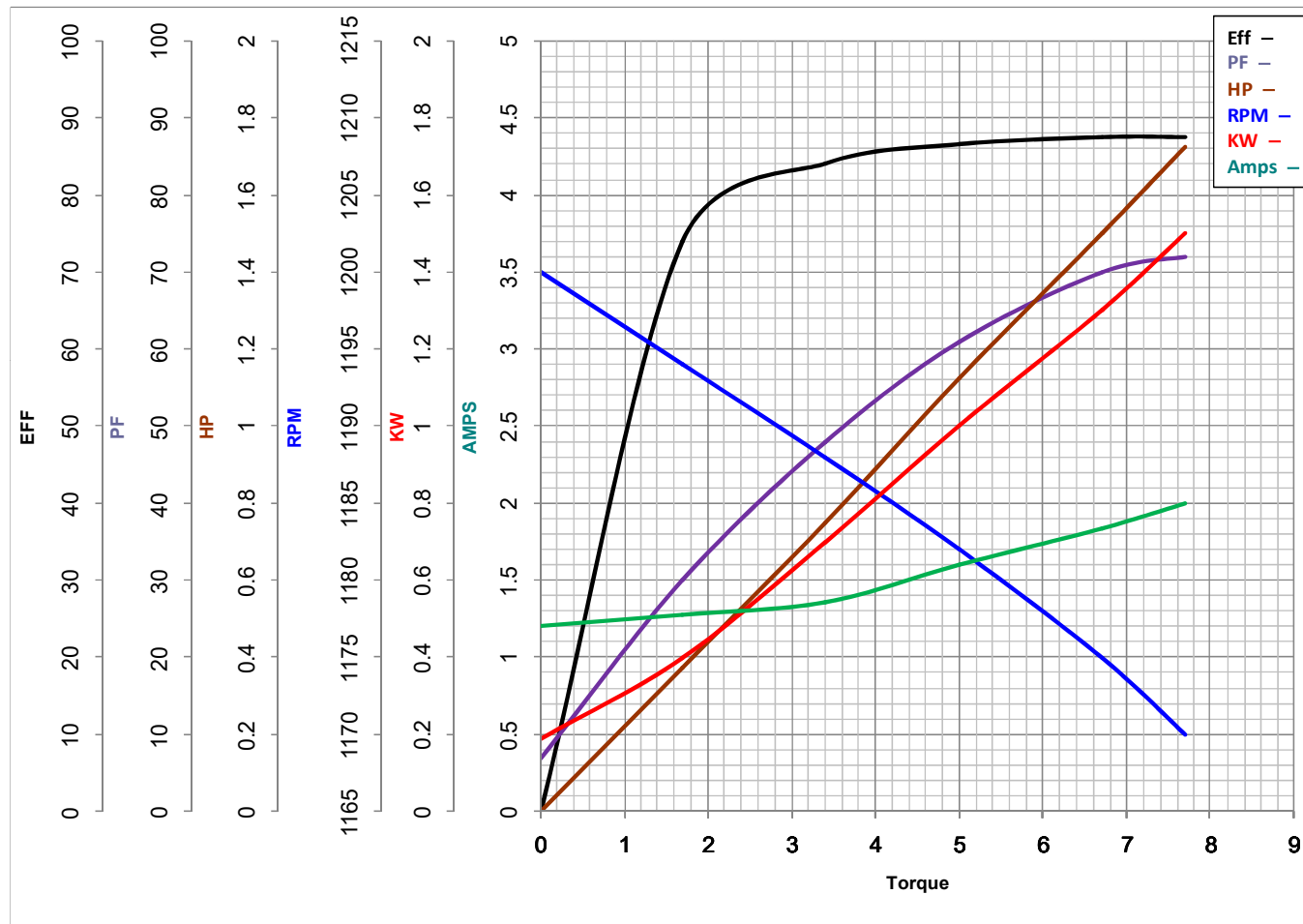
HZ

 VOLTS 575
1.5

HP

 HZ 60

 RPM 1175

 Catalog No GT3505A


Torque in Lb.Ft

 FL TORQUE 6.7 Lb.Ft

 BD TORQUE 25.0 Lb.Ft

 LR TORQUE 18.5 Lb.Ft

 FL AMPS 1.8

 PU TORQUE 15.0 Lb.Ft

 LR AMPS 14.8

WINDING HE31126008-2

Date 1/4/2019