

PRODUCT INFORMATION PACKET

marathon®
Motors

Model No: 182TTFBD6038

Catalog No: GT3510A

3 HP Close-Coupled Pump Motor, 3 phase, 1800 RPM, 575 V, 182JP Frame, TEFC
Close-Coupled Pump Motors



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RegalRexnord

Nameplate Specifications

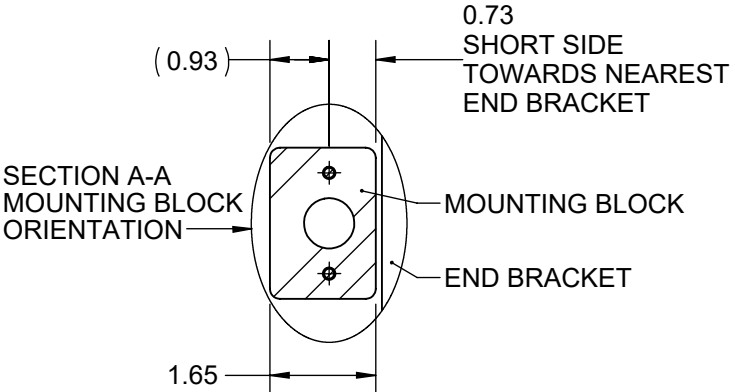
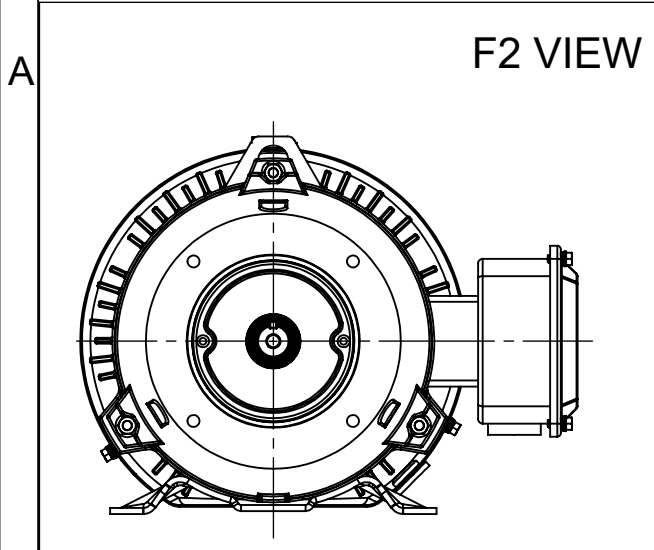
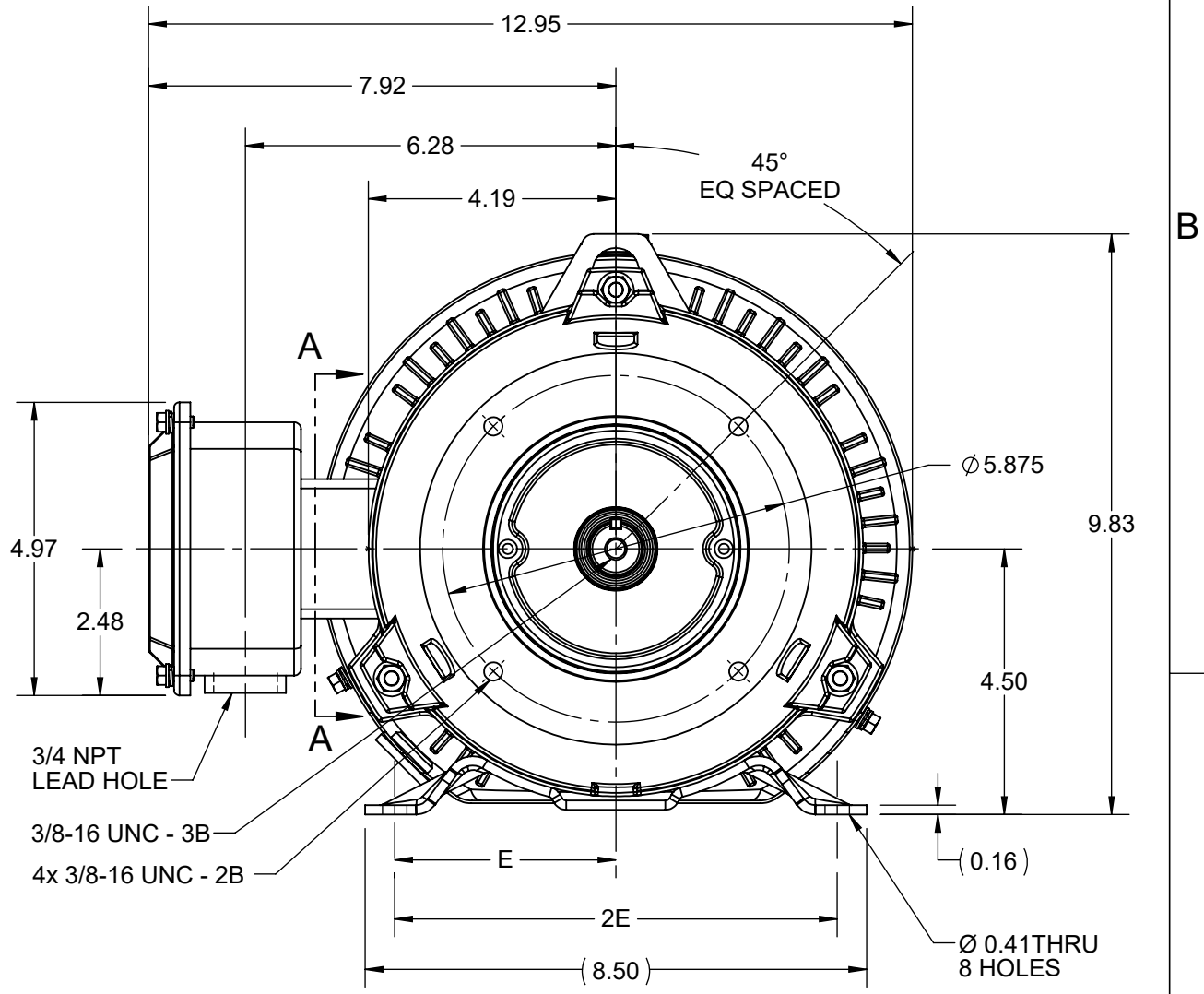
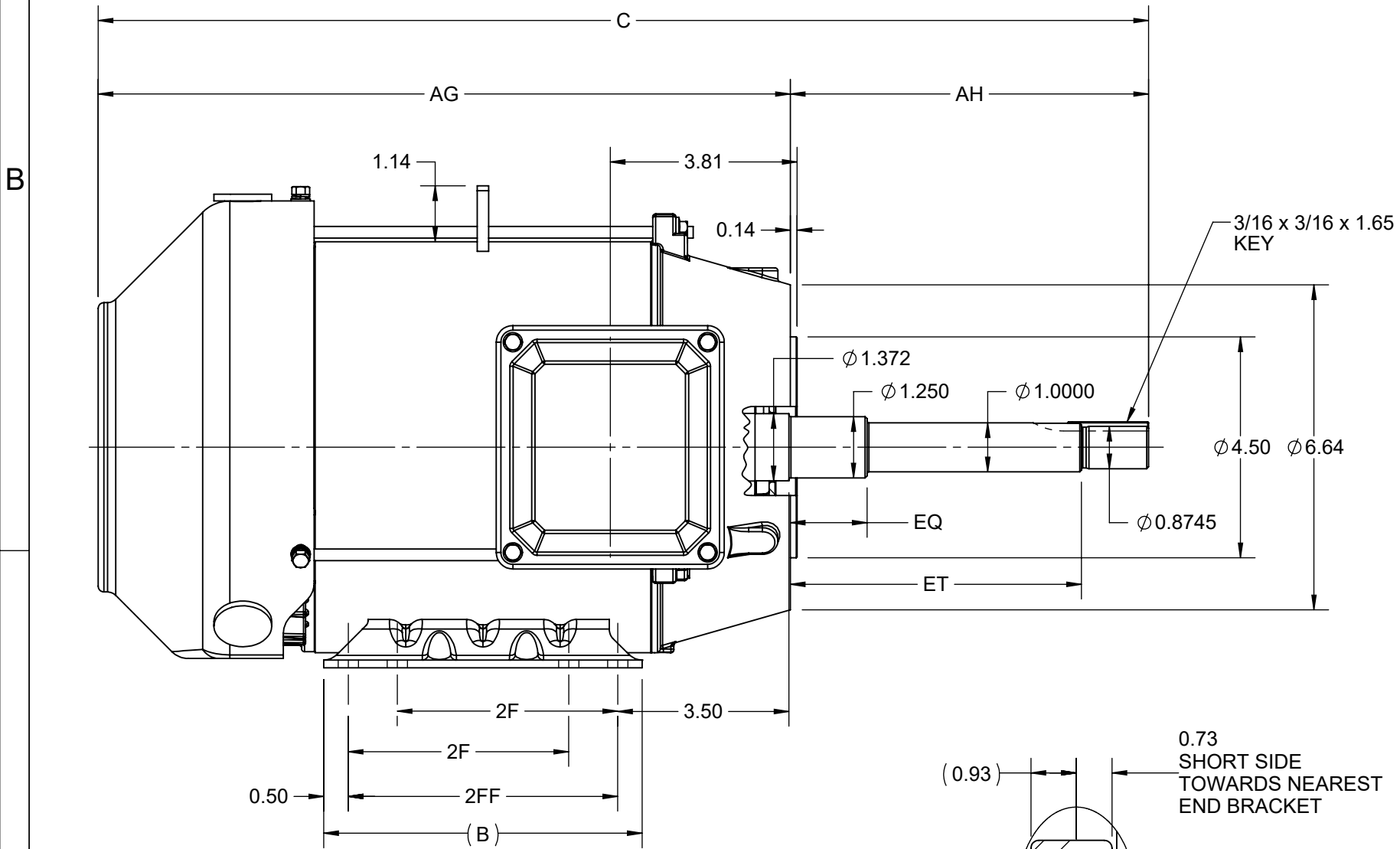
Output HP	3 Hp	Output KW	2.2 kW
Frequency	60 Hz	Voltage	575 V
Current	3.2 A	Speed	1762 rpm
Service Factor	1.15	Phase	3
Efficiency	89.5 %	Power Factor	78
Duty	Continuous	Insulation Class	F
Design Code	A	KVA Code	L
Frame	182JP	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	No	Ambient Temperature	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	4	Rotation	Selective Clockwise
Resistance Main	3.85 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	0.874 in
Assembly/Box Mounting	F1/F2 CAPABLE	Inverter Load	CONSTANT 10:1/VARIABLE 10:1
Connection Drawing	EE7300	Outline Drawing	SS600203

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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



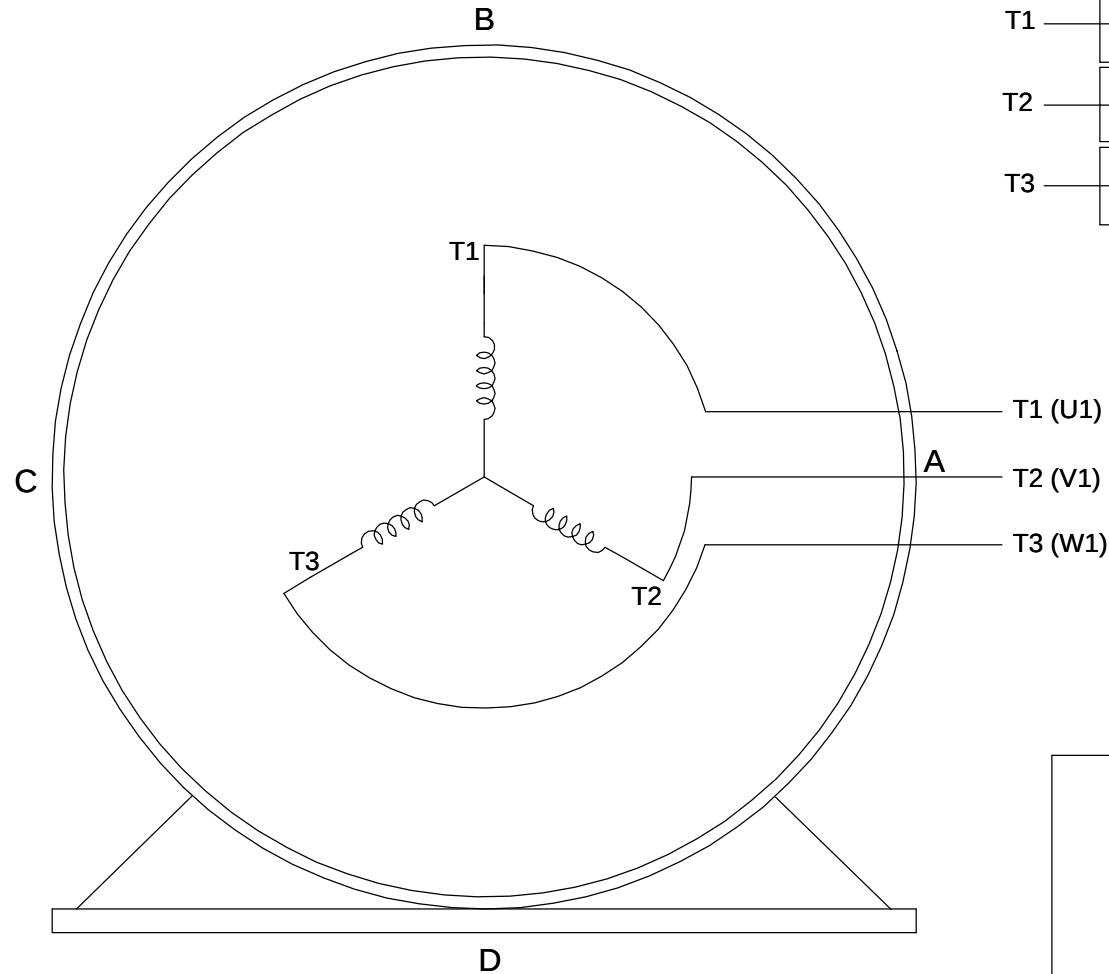
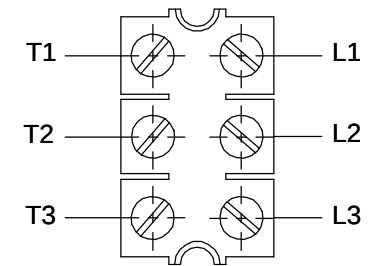
DRAWING REVISION C	REVISION BY SP	REV DATE/© DATE 16/04/2021
ECO CR-0002149	APPROVED BY GNK	DATE 16/04/2021
DRAWING UPDATED		
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PRIMARY DIMENSIONS ARE INCH mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DRAWN BY MSH	Regal Beloit America, Inc.	
	DATE 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

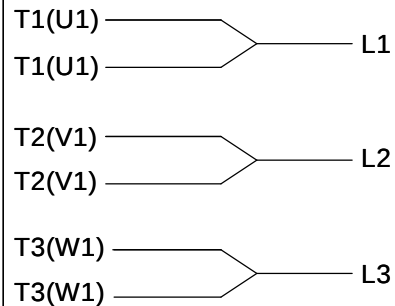
THREE PHASE - SINGLE VOLTAGE MOTOR - CONDUIT BOX @ 'A'

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
ECO ECO-0125361	APPROVED BY TB	DATE 06-27-2017
ECO DESCRIPTION UPDATED TO CURRENT STANDARDS		
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DRAWN BY DA
DATE 03-26-1993
APPROVED BY TB
DATE 03-26-1993
REFERENCE
THIRD ANGLE PROJECTION



Regal Beloit America, Inc.

DESCRIPTION
CONNECTION DIAGRAM
EXTERNAL - SINGLE VOLTAGE - 3Ø MOTOR

MATERIAL PROCESS/FINISH

SIZE A	DRAWING NUMBER EE7300	SHEET 1 OF 1
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**P.O. BOX 8003
WAUSAU, WI 54401-8003
PH. 715-675-3311**

CERTIFICATION DATA SHEET**CUSTOMER:****ORDER #:****CONN. DIAGRAM:** EE7300**OUTLINE:** SS600203-182JP**WINDING #:** HE31124021 2**CUSTOMER PO#:****MODEL #:** 182TTFBD6038 AA**CUSTOMER PART #:****MOUNTING:** F1/F2 CAPABLE**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
3	2.24	1800	1762	182JP	TEFC	K	B

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
3	60	575	3.2	LINE OR INVERTER	CONTINUOUS	F7	1.15	40

FULL LOAD EFF:	89.5	3/4 LOAD EFF:	88.5	1/2 LOAD EFF:	86.5	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	78	3/4 LOAD PF:	70	1/2 LOAD PF:	57	88.5		SQ CAGE INV RATED

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
9 LB-FT	25.6	20 LB-FT 220 %	29 LB-FT 320 %	60

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	142 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

*

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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 02:41:51 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 3.00

 PHASE 3

 Model No 182TTFBD6038
60

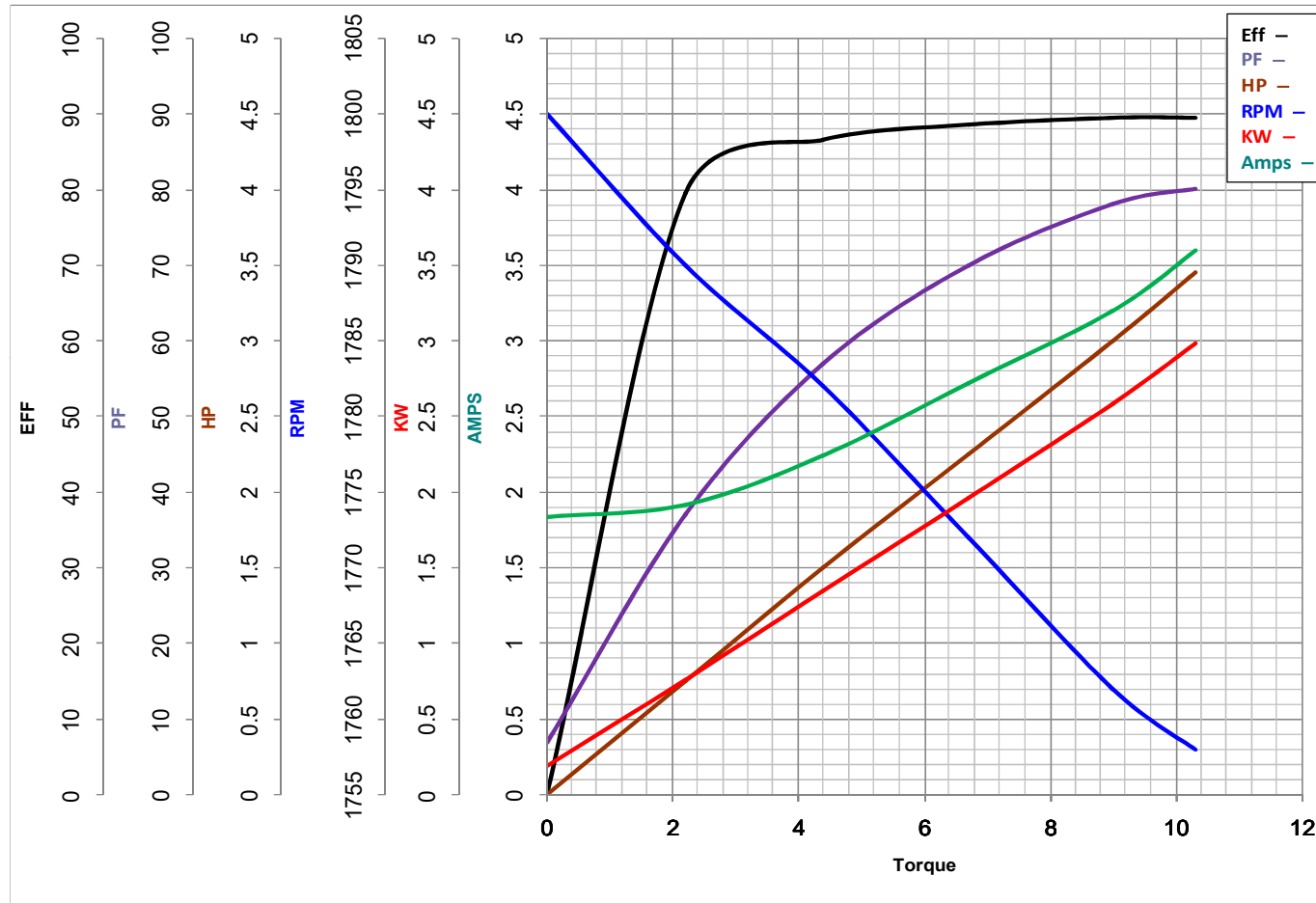
HZ

 VOLTS 575
3

HP

 Catalog No GT3510A

 HZ 60

 RPM 1762


Torque in Lb.Ft

 FL TORQUE 9 Lb.Ft
 BD TORQUE 29.0 Lb.Ft
 LR TORQUE 20 Lb.Ft

 FL AMPS 3.2
 PU TORQUE 17.0 Lb.Ft
 LR AMPS 25.6

WINDING HE31124021-2

Date 1/4/2019