

PRODUCT INFORMATION PACKET



Model No: 120867.00

Catalog No: 120867.00

General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 145T Frame, TEFC

Operational at 115/208-230 V @60HZ



Regal and Leeson are trademarks of Regal Rexnord Corporation or one of its affiliated companies.

©2023 Regal Rexnord Corporation, All Rights Reserved. MC017097E



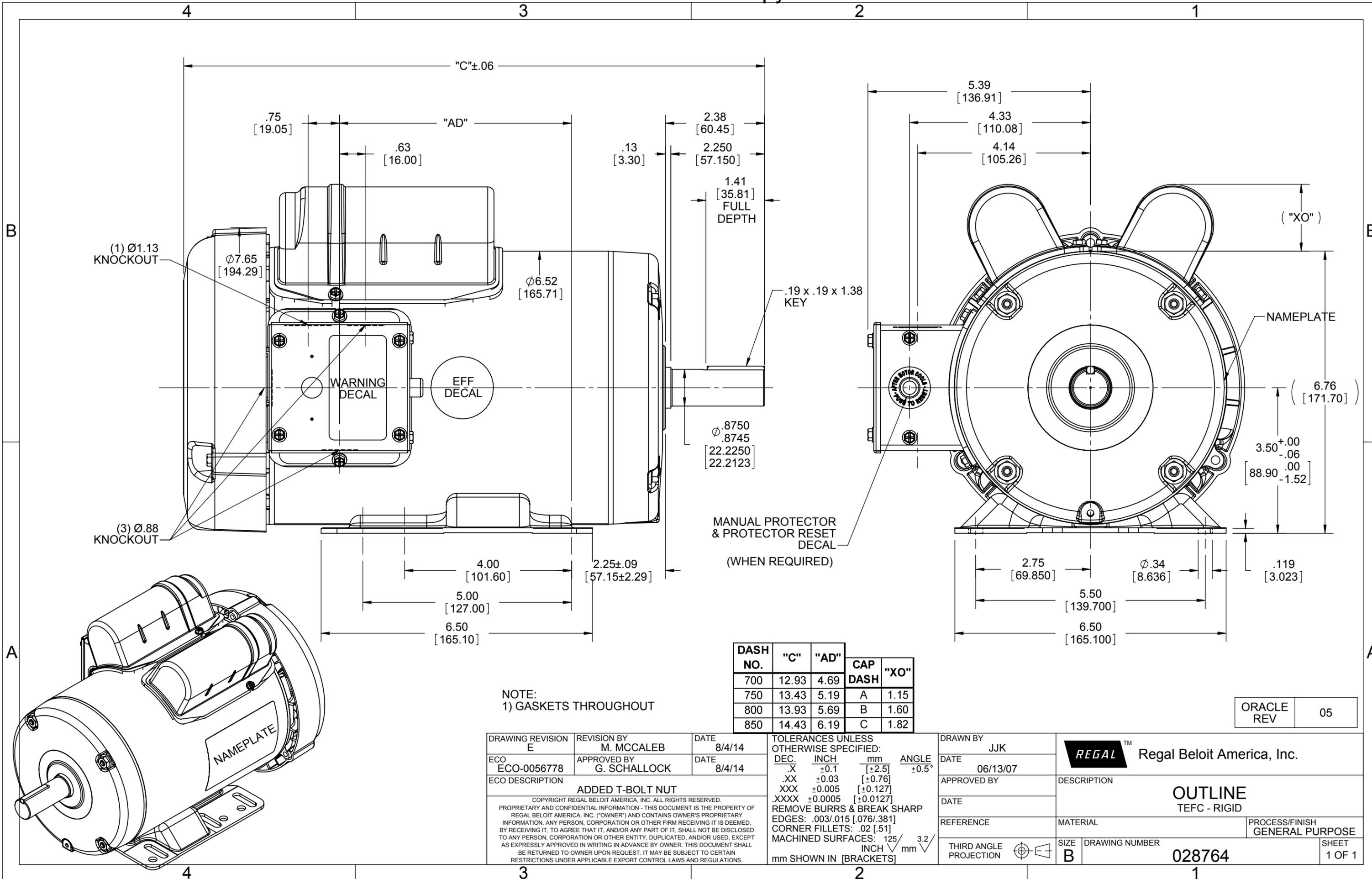


Nameplate Specifications

Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	1740 rpm	Service Factor	1.0
Frame	145T	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	82 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	18.4/9.2 A	Power Factor	86
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	H
Drive End Bearing Size	6205	Opp Drive End Bearing Size	6203
UL	Recognized (Not Protector)	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	T	Overall Length	13.93 in
Frame Length	8.00 in	Shaft Diameter	0.875 in
Shaft Extension	2.25 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005053.02	Outline Drawing	028764-800B



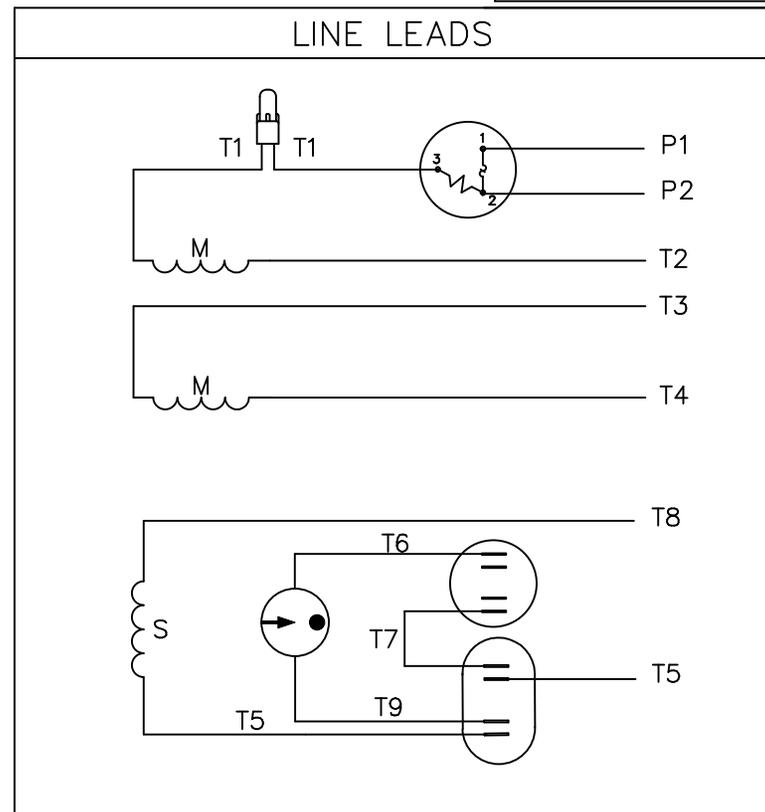
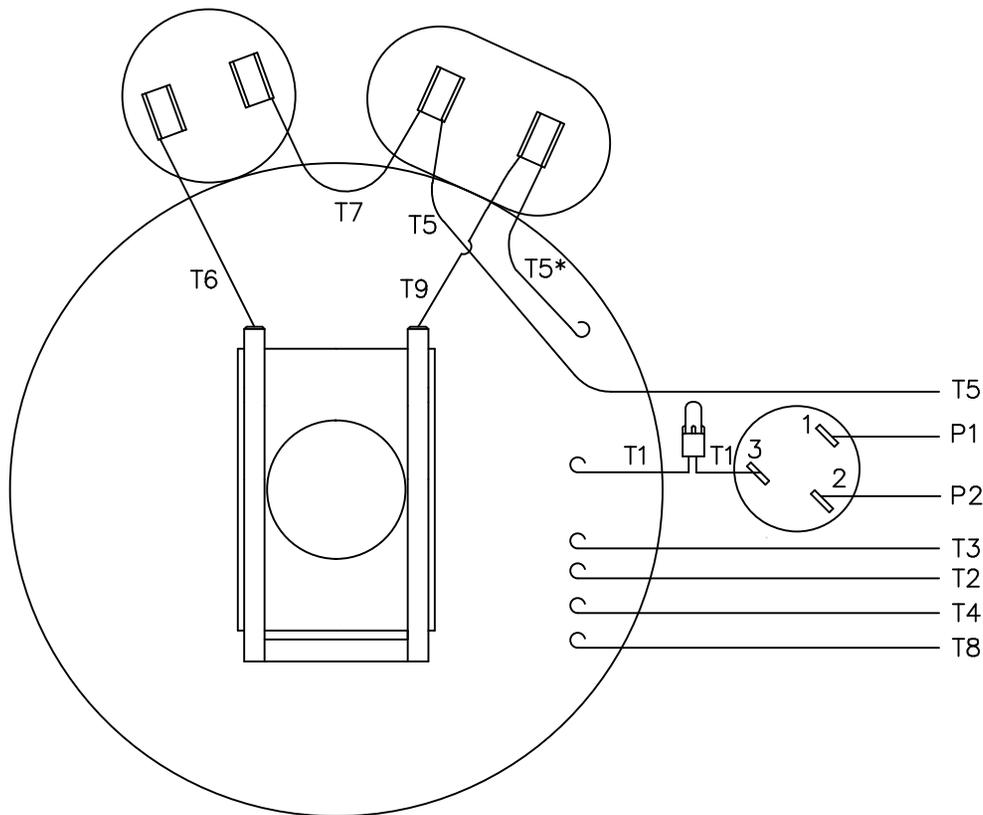
NOTE:
1) GASKETS THROUGHOUT

DRAWING REVISION E	REVISION BY M. MCCALED	DATE 8/4/14	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±0.5° .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127] REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] CORNER FILLETS: .02 [51] MACHINED SURFACES: 125 3.2 INCH mm mm SHOWN IN [BRACKETS]
ECO ECO-0056778	APPROVED BY G. SCHALLOCK	DATE 8/4/14	
ECO DESCRIPTION ADDED T-BOLT NUT 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.			

DRAWN BY JJK	Regal Beloit America, Inc.
DATE 06/13/07	
APPROVED BY	
DATE	DESCRIPTION OUTLINE TEFC - RIGID
REFERENCE	MATERIAL
THIRD ANGLE PROJECTION	PROCESS/FINISH GENERAL PURPOSE
SIZE B	DRAWING NUMBER 028764
	SHEET 1 OF 1

ORACLE REV	05
------------	----

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.C.W.	P1	T4 T5	T2,T3 T8	P2
	C.W.	P1	T4 T8	T2,T3 T5	P2
LOW VOLT	C.C.W.	P1	T2,T4 T5	P2,T3 T8	-----
	C.W.	P1	T2,T4 T8	P2,T3 T5	-----

* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED	
		DEC.	INCHES
		.X	±.1
		.XX	±.01
04	ADDED "*" TO T5	RLW 7/22/02	.XXX ±.005
03	REDRAWN ON CAD	DBT 05/27/97	.XXXX ±.0005
NO.	REVISION	BY & DATE	CHK ANG ±1/2"

		DRAWN	ADH 06/16/76
		CHK	WRK 06/30/76
TITLE		EXTERNAL WIRING DIAGRAM	
		TYPE "K" W/PROTECTOR	
MAT'L.		DECAL 004011	
FINISH		PREV	
RFP	CAD FILE	00505302	SIZE
DIST			DRAWING NO.
		A	005053-02
			REV.
			04



1051 CHEYENNE AVE.
GRAFTON, WI 53024
PH. 262-377-8810

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005053.02
OUTLINE: 028764-800B
WINDING #: K634271 FR 3 A

CATALOG #: 120867.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1740	145T	TEFC	H	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	18.4/9.2	ACROSS THE LINE	CONTINUOUS	B4	1.0	40

FULL LOAD EFF:	82	3/4 LOAD EFF:	75.2	1/2 LOAD EFF:	69	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	86	3/4 LOAD PF:	79.4	1/2 LOAD PF:	70.3	78.5	CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
5.99 LB-FT	133 / 66.5	16.2 LB-FT 271 %	15.4 LB-FT 258 %	96.9

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
56 dBA	66 dBA	0.15 LB-FT^2	0 LB-FT^2	10 SEC.	0	45 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	T	NONE	NONE	1144 STRESSPROOF (C-223)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

*
N
O
T
E
S
*

INVERTER TORQUE: NONE
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



LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

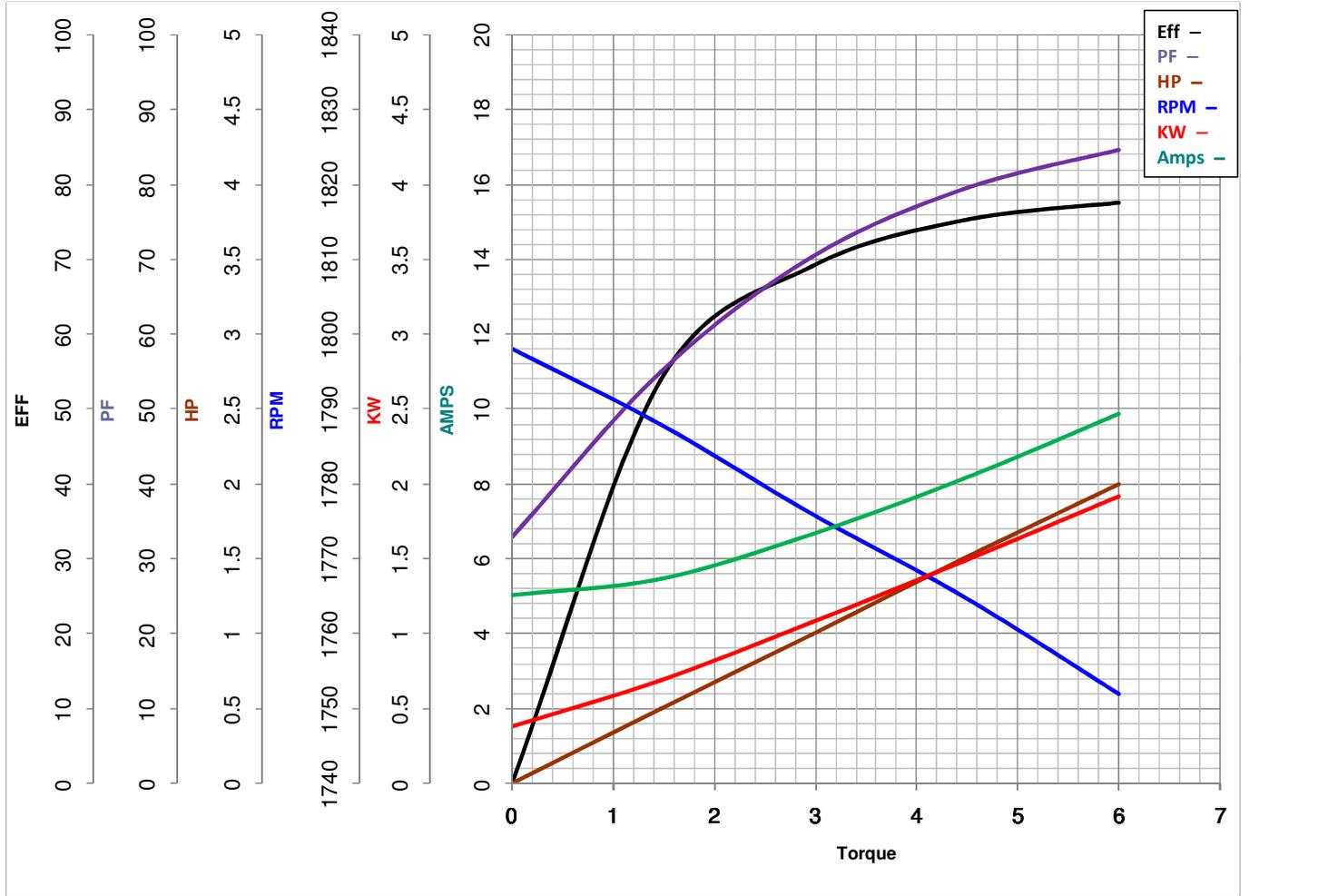
Curve at 230 Volts HP 2.00 PHASE 1
60 HZ
2 HP VOLTS 115/208-230

Model No 120867.00

Catalog No 120867.00

HZ 60

RPM 1740



Torque in Lb.Ft

FL TORQUE 5.99 Lb.Ft
 BD TORQUE 15.4 Lb.Ft
 LR TORQUE 16.2 Lb.Ft

FL AMPS 18.4/9.2
 PU TORQUE 8.9 Lb.Ft
 LR AMPS 66.5

WINDING K634271-3

Date 3/27/2018