

PRODUCT INFORMATION PACKET

Model No: 140665.00

Catalog No: 140665.00

Close-Coupled Pump Motor, 7.50 HP, 1 Ph, 60 Hz, 230 V, 1800 RPM, 215JM Frame, DP



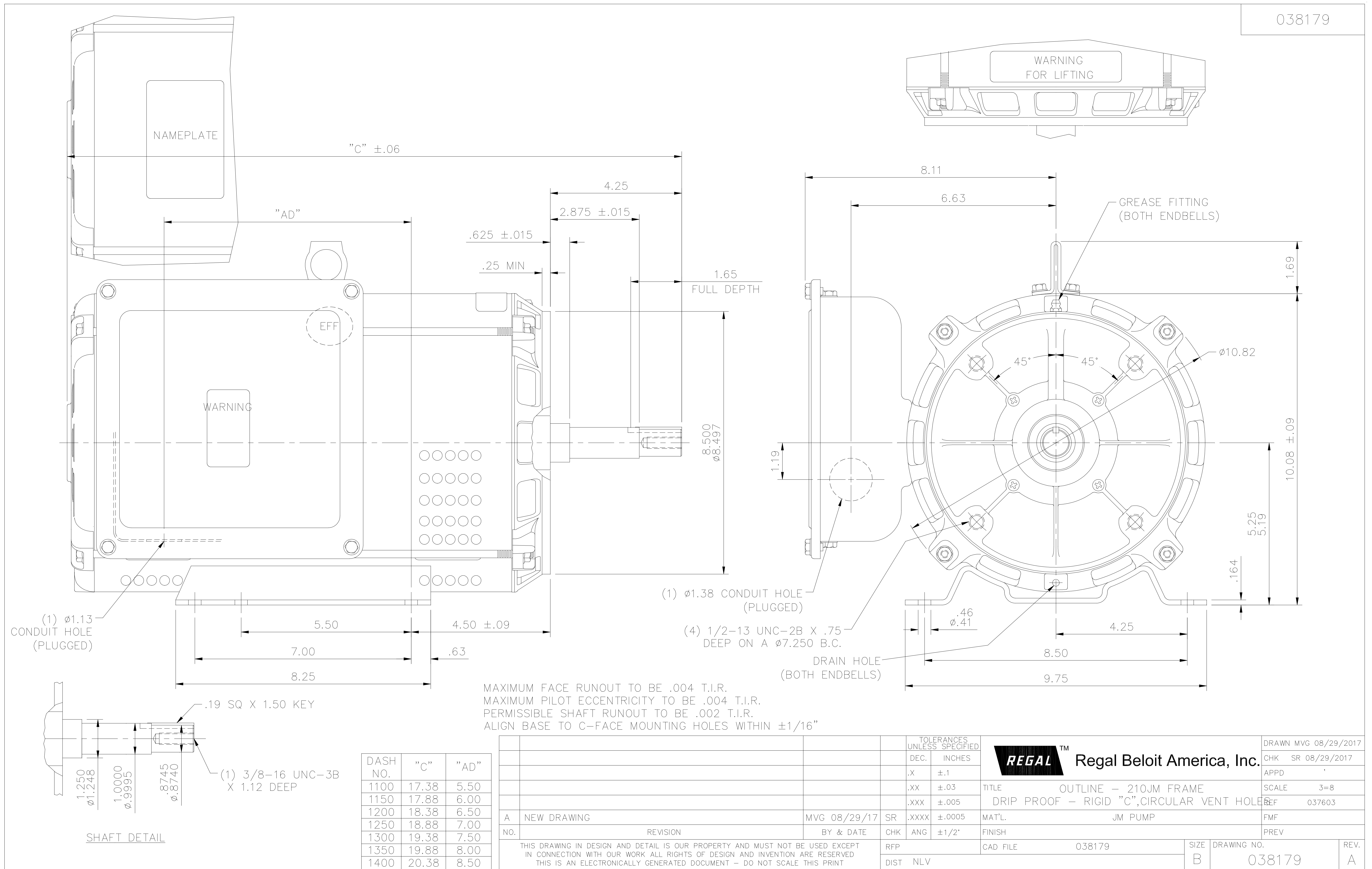
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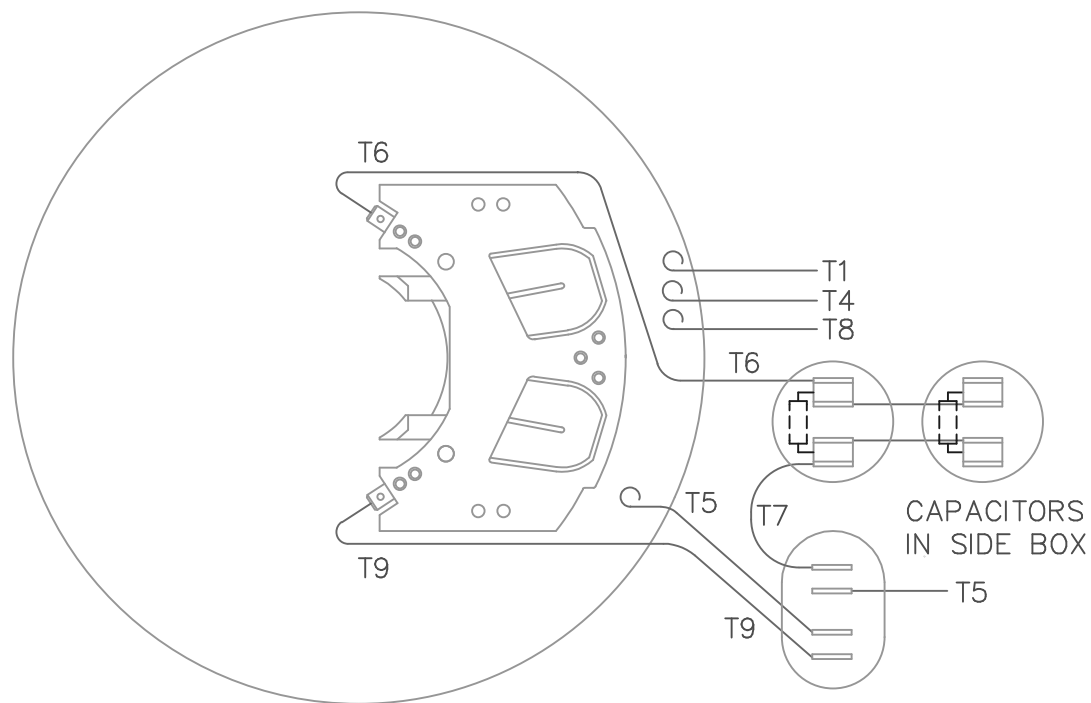
Nameplate Specifications

Output HP	7.50 Hp	Output KW	6.7 kW
Frequency	60 Hz	Voltage	230 V
Current	36.0 A	Speed	1740 rpm
Service Factor	1.15	Phase	1
Efficiency	81.5 %	Power Factor	83
Duty	Continuous	Insulation Class	F
Design Code	L	KVA Code	G
Frame	215JM	Enclosure	Drip Proof
Thermal Protection	No Protection	Ambient Temperature	40 °C
Drive End Bearing Size	6209	Opp Drive End Bearing Size	6206
UL	Recognized	CSA	Y
CE	Y	IP Code	22
Number of Speeds	1		

Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	4	Rotation	Selective Counterclockwise
Resistance Main	.22 Ohms	Mounting	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	JM	Overall Length	18.38 in
Frame Length	12.00 in	Shaft Diameter	0.875 in
Shaft Extension	4.21 in	Assembly/Box Mounting	F1 Only
Connection Drawing	005077.10	Outline Drawing	038179-1200

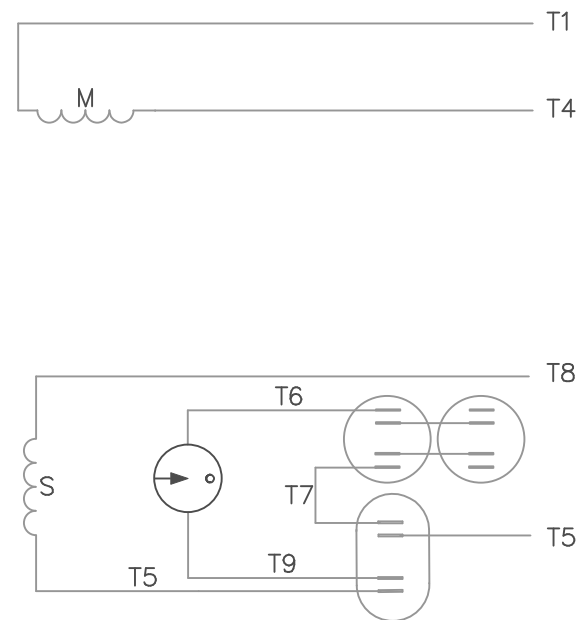




VIEW FROM OUTSIDE OF
MOTOR AT SWITCH END

CAUTION:
LEAD WIRE INSULATION TO
EXTEND MIN. OF 1/4" INTO
CONNECTOR INSULATION

LINE LEADS



ROTATION
FACING
LEAD END

L1

L2

C.C.W.

T1, T8

T4, T5

C.W.

T1, T5

T4, T8

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.01

.XXX ±.005

.XXXX ±.0005

ANG ±1/2°



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

DRAWN RDW 10/11/02

CHK

APPD

SCALE 1=2

REF 005077-09

FMF 140120

PREV

TITLE
EXTERNAL WIRING DIAGRAM
TYPE "K" W/O PROTECTOR

MAT'L. DECAL 004018

FINISH

NO.

REVISION

BY & DATE

CHK

RFP

DIST

10/11/02

CAD FILE

00507710

SIZE

A

DRAWING NO.

005077-10

REV.

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005077.10
OUTLINE: 038179-1200
WINDING #: K9416 2 A

CATALOG #: 140665.00
MOUNTING: F1 ONLY

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
7 1/2&2	6.71&1.49	1800	1740	215JM	DP	G	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	230	36	ACROSS THE LINE	CONTINUOUS	F4	1.15	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.8	1/2 LOAD EFF:	78.6	GTD. EFF		ELEC. TYPE
FULL LOAD PF:	83	3/4 LOAD PF:	82.6	1/2 LOAD PF:	74.6	78.5		CAP START CAP RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
22.5 LB-FT	182.8	61 LB-FT 271 %	47.5 LB-FT 211 %	53

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0 LB-FT^2	0 LB-FT^2	10 SEC.	0	119 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	NONE	FALSE	NONE	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL						
6209	6206	POLYREX EM	JM	NONE	NONE	AISI 1045 (C-240)	ROLLED STEEL

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
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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

Model No 140665.00Catalog No 140665.00

Curve at

230

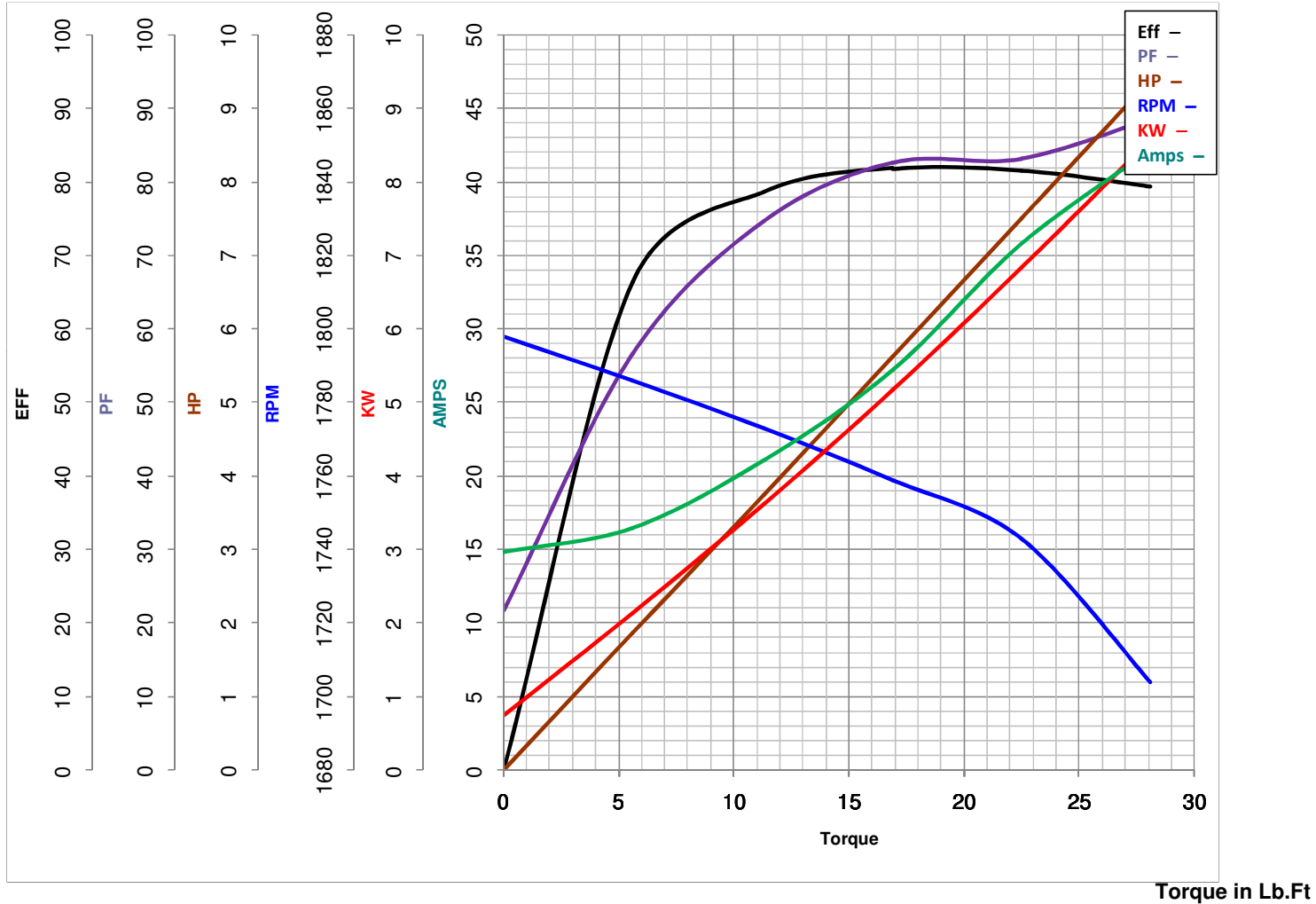
Volts

HP 7.50PHASE 160

HZ

7.5

HP

VOLTS 230HZ 60RPM 1740

FL TORQUE 22.5 Lb.Ft
 BD TORQUE 47.5 Lb.Ft
 LR TORQUE 61 Lb.Ft

WINDING K9416-2

FL AMPS 36
 PU TORQUE 36.4 Lb.Ft
 LR AMPS 182.8

Date 3/27/2018