

PRODUCT INFORMATION PACKET

Model No: 117863.00

Catalog No: 117863.00

0.50 HP Agricultural Motor, 1 phase, 1800 RPM, 115/208-230 V, 56 Frame, TEFC



Regal and are trademarks of Regal Rexnord Corporation or one of its affiliated companies.
©2022 Regal Rexnord Corporation, All Rights Reserved. MC017097E

Nameplate Specifications

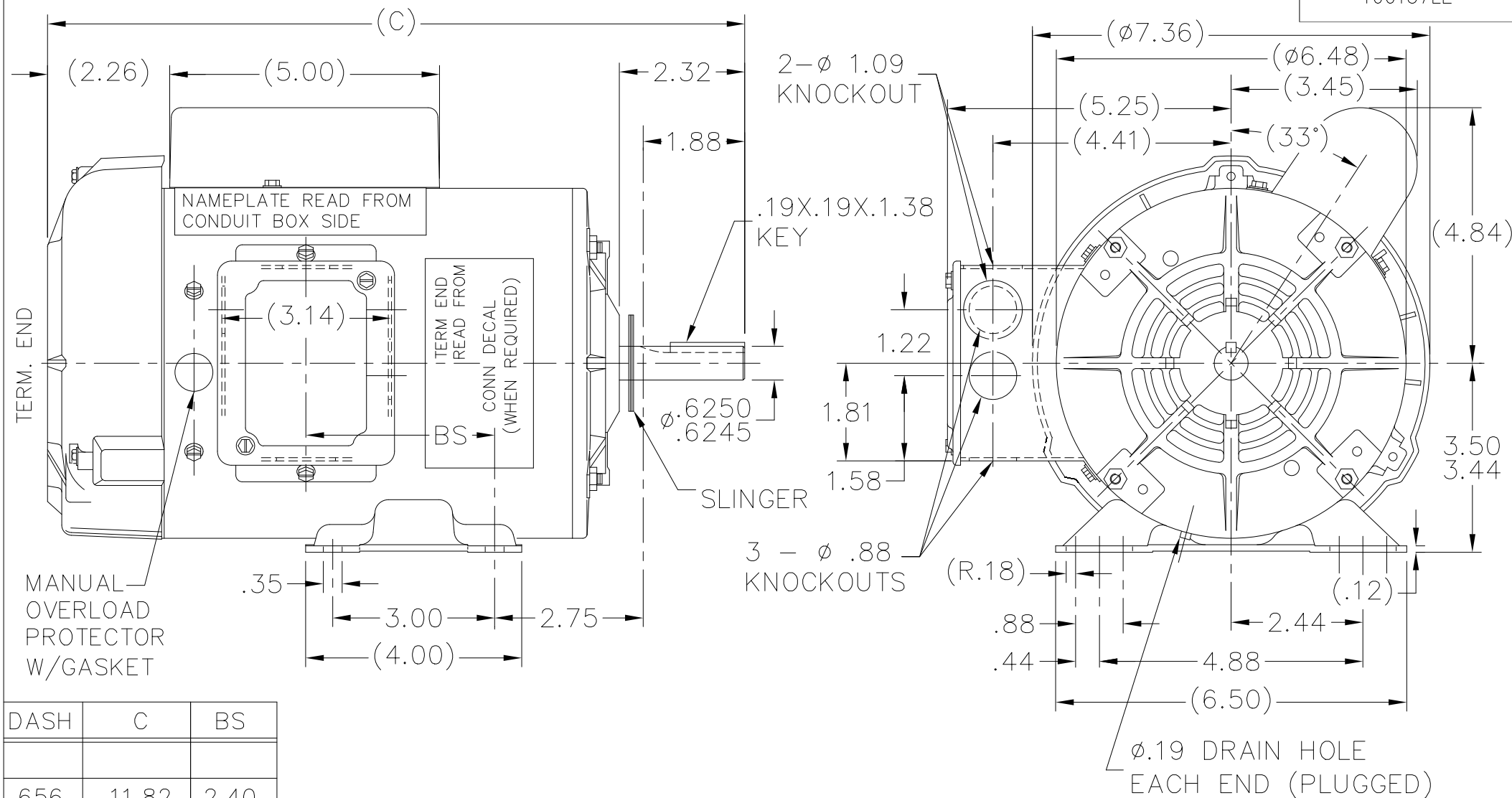
Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/208-230 V
Current	8.8/4.2-4.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	66 %	Power Factor	58
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	L
Frame	56	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	43
Number of Speeds	1		

Technical Specifications


Electrical Type	Capacitor Start Induction 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	NEMA 56	Overall Length	11.82 in
Frame Length	6.56 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	A-100137LE-656	Connection Drawing	A-102005-52-LE

This is an uncontrolled document once printed or downloaded and is subject to change without notice. Date Created:06/08/2022

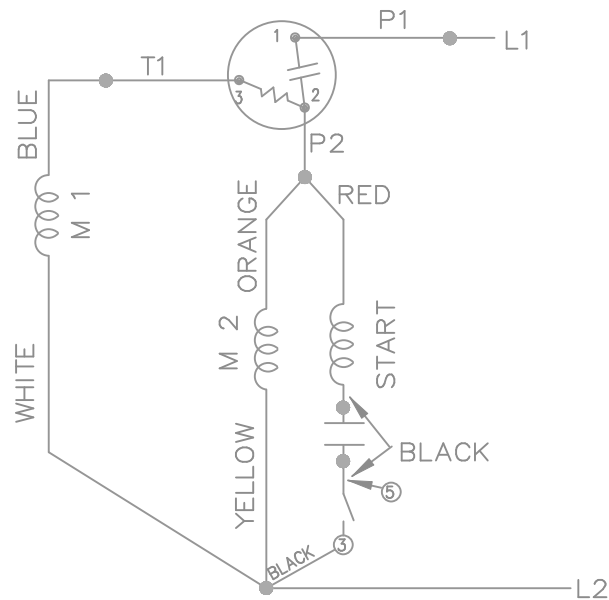
100137LE



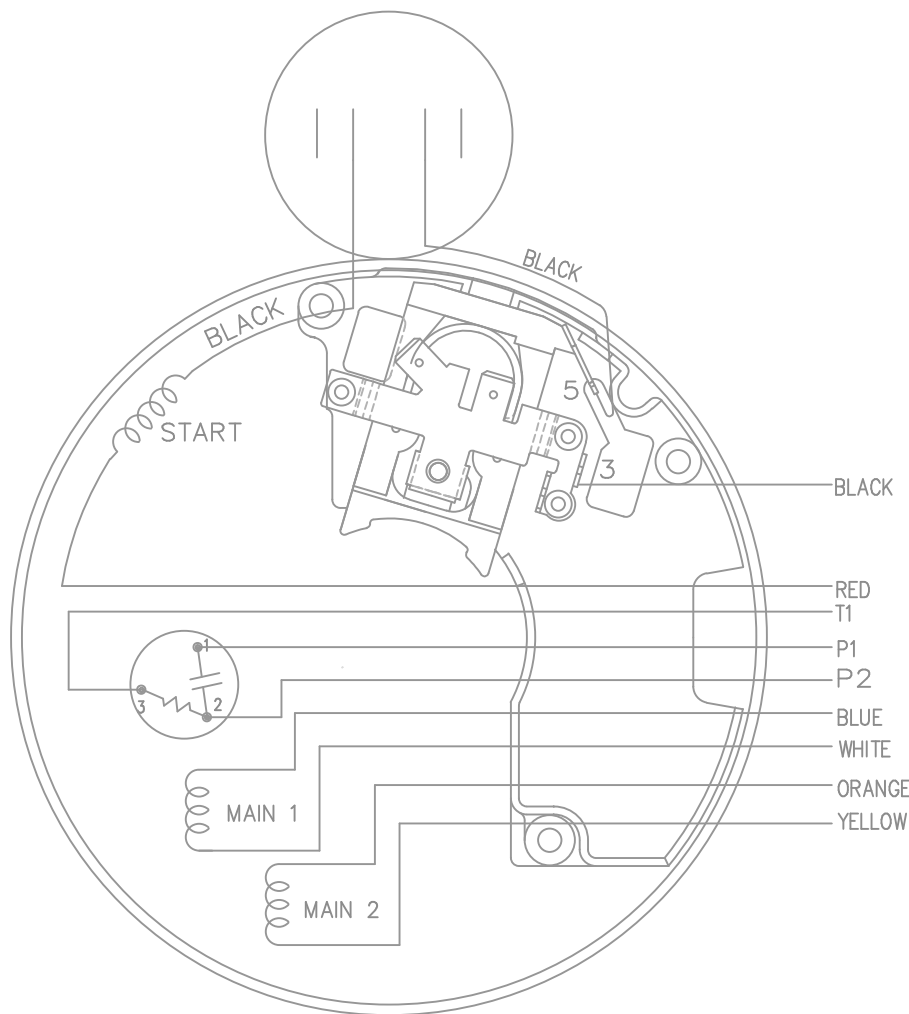
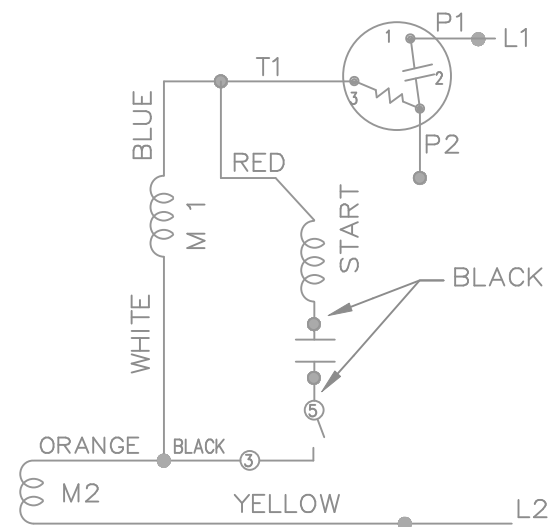
DASH	C	BS
656	11.82	2.40
706	12.32	2.90
756	12.82	3.40

				TOLERANCES UNLESS SPECIFIED		 Regal Beloit America, Inc.	DRAWN SVL 2-18-2013		
				DEC.	INCHES		CHK		
				.X	$\pm .1$		APPD		
				.XX	$\pm .03$		SCALE 3=8		
				.XXX	$\pm .005$	TITLE OUTLINE 56 FRAME - BB - TEFC - 1 ϕ	REF		
B UPDATED DE ENDFRAME				SG 09/03/21	SN .XXXX $\pm .0005$		FMF MU112210		
NO. REVISION				BY & DATE	CHK ANG $\pm 7'30''$	FINISH	PREV		
THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT				RFP 2-18-2013	CAD FILE 100137LE	SIZE A	DRAWING NO. 100137LE	PAGE 1 OF 1	REV. B
				DIST WP					

LOW VOLTAGE - CCW

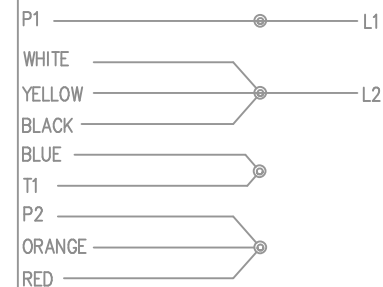


HIGH VOLTAGE - CCW

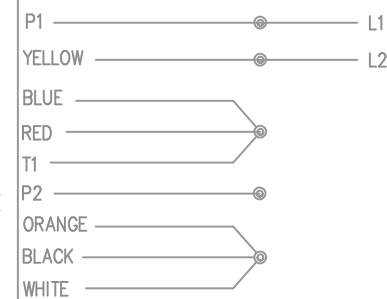


DUAL VOLTAGE
CAPACITOR START
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROTATION
EITHER VOLTAGE
INTERCHANGE RED
WITH BLACK

TOLERANCES
UNLESS SPECIFIED

DEC. INCHES

.X ±.1

.XX ±.02

.XXX ±.005

.XXXX ±.0005

ANG ±7'30"



ELECTRIC MOTORS
GEARMOTORS
AND DRIVES

TITLE CONNECTION DIAGRAM

DRAWN NJS 09-03-2002

CHK ML 09-04-2002

APPD GK 09-09-2002

SCALE 5=8

REF

FMF

PREV

1 NEW DRAWING MU43222 NJS 09-09-2002 ML

NO. REVISION BY & DATE

THIS DRAWING IN DESIGN AND DETAIL IS OUR PROPERTY AND MUST NOT BE USED EXCEPT
IN CONNECTION WITH OUR WORK ALL RIGHTS OF DESIGN AND INVENTION ARE RESERVED
THIS IS AN ELECTRONICALLY GENERATED DOCUMENT - DO NOT SCALE THIS PRINT

RFP

DIST WP

CAD FILE 102005-52-LE

SIZE DRAWING NO. PAGE OF REV.

A 102005-52-LE 1



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-102005-52-LE

CATALOG #: 117863.00

OUTLINE: A-100137LE-656

MOUNTING: F1 ONLY

WINDING #: ZC404 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	1800	1725	56	TEFC	L	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	8.8/4.2-4.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	66	3/4 LOAD EFF:	58.3	1/2 LOAD EFF:	54.3	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	58	3/4 LOAD PF:	50.3	1/2 LOAD PF:	40.5	62	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
24.1 OZ-FT	42.6 / 21.3	83.8 OZ-FT - %	72.3 OZ-FT - %	55

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	26 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	GRAY (POWDER)

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
6203	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
FT-LB NONE V NONE Hz



LEESON ELECTRIC CORPORATION

TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 117863.00Catalog No 117863.00

Curve at

230

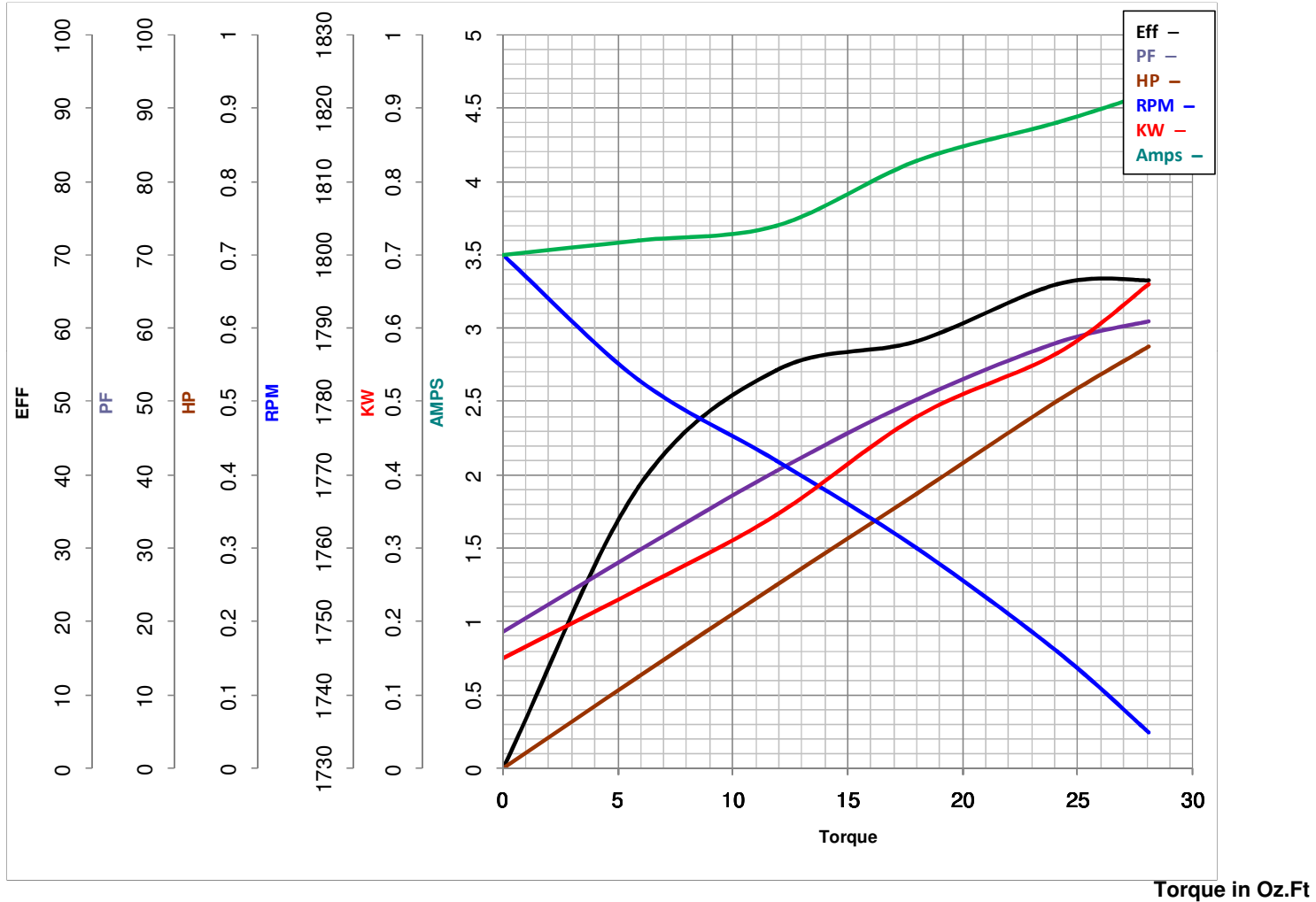
Volts

HP 0.50PHASE 160

HZ

VOLTS 115/208-2300.5

HP

HZ 60RPM 1725FL TORQUE 24.1 Oz.FtBD TORQUE 72.3 Oz.FtLR TORQUE 83.8 Oz.Ft

WINDING ZC404-3

FL AMPS 8.8/4.2-4.4PU TORQUE 61.2 Oz.FtLR AMPS 21.3Date 4/12/2018