

PRODUCT INFORMATION PACKET



Model No: 117867.00
Catalog No: 117867.00
Agricultural Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 1800 RPM, 56HZ Frame, TEFC



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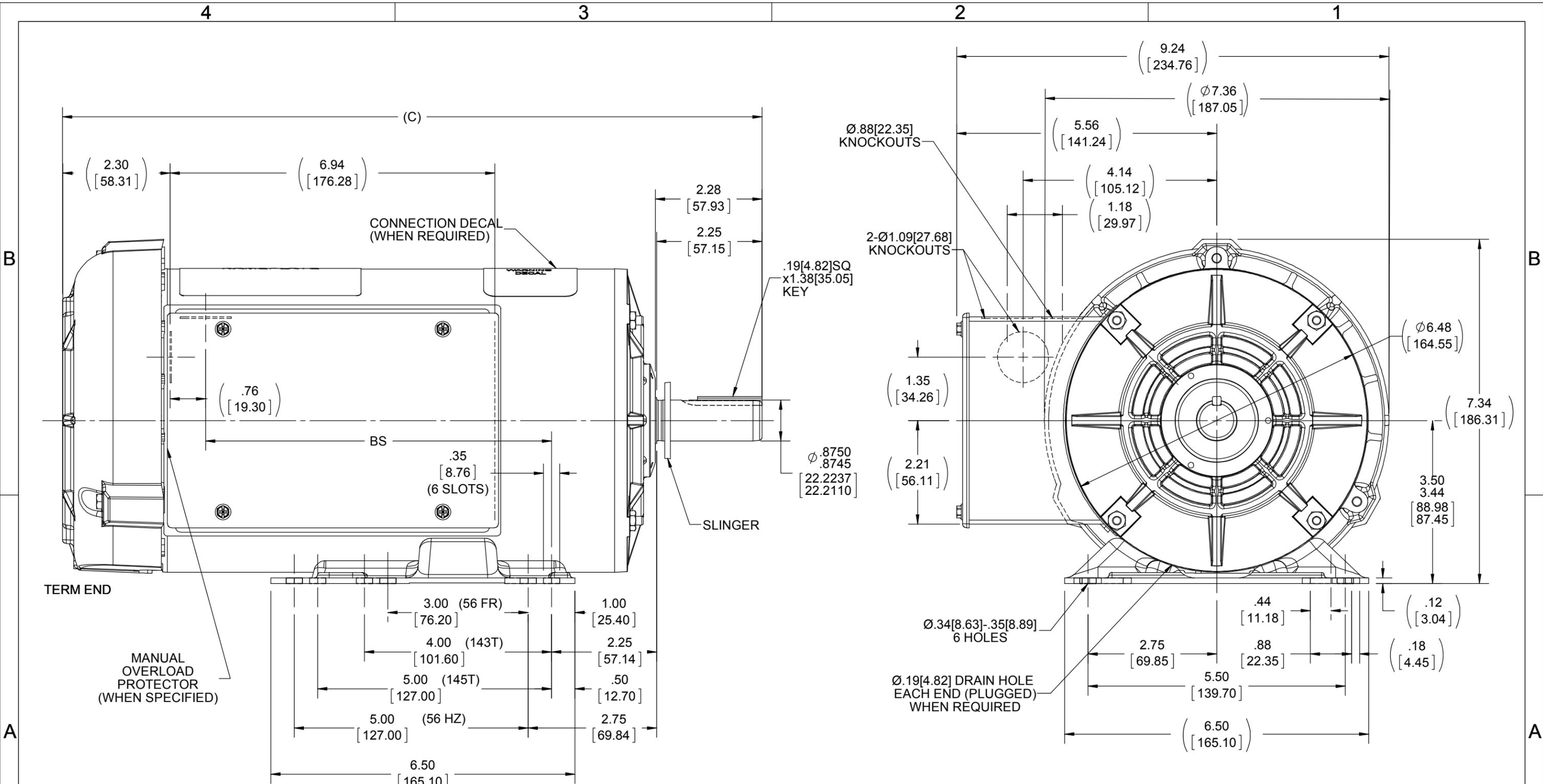


Nameplate Specifications

Output HP	2 Hp	Output KW	1.5 kW
Frequency	60 Hz	Voltage	115/230 V
Current	18.8/9.4 A	Speed	1725 rpm
Service Factor	1.15	Phase	1
Efficiency	81.5 %	Power Factor	86.1
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Frame	56HZ	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Ambient Temperature	40 °C
Drive End Bearing Size	6205	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 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	NEMA 145T	Overall Length	14.87 in
Frame Length	9.56 in	Shaft Diameter	0.875 in
Shaft Extension	1.47 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	A-102006-52-LE	Outline Drawing	108791-956

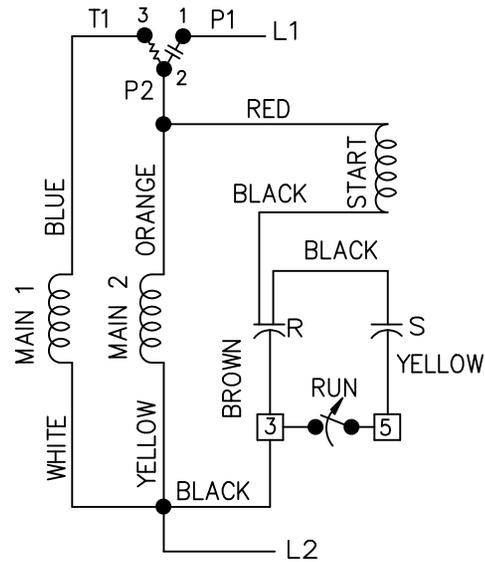


NOTE:-
1) NAMEPLATE READ FROM CONDUIT BOX SIDE.

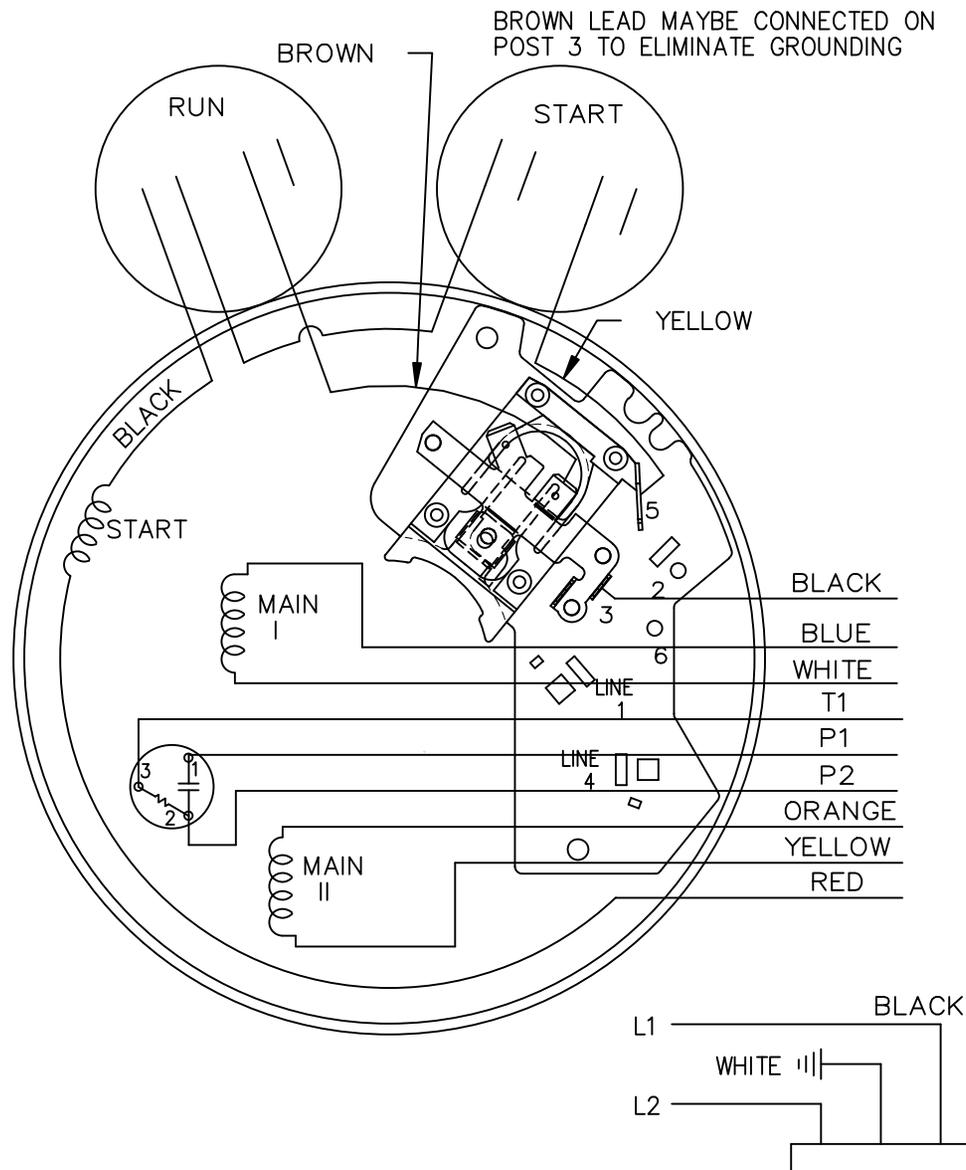
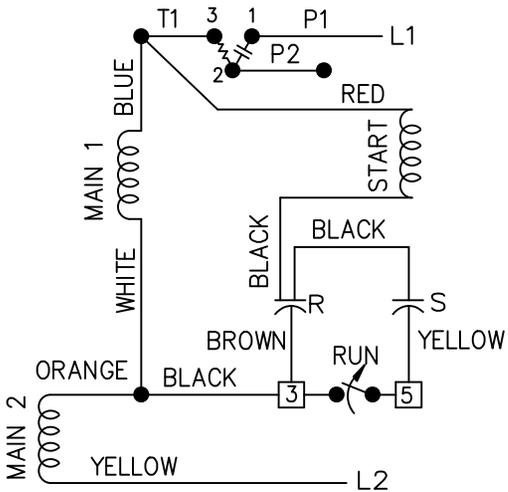
DRAWING REVISION A	REVISION BY S SAHOO	DATE 02/14/2019	TOLERANCES UNLESS OTHERWISE SPECIFIED: DEC. INCH mm ANGLE .X ±0.1 [±2.5] ±7° 30" .XX ±0.03 [±0.76] .XXX ±0.005 [±0.127] .XXXX ±0.0005 [±0.0127]	DRAWN BY S SAHOO	Regal Beloit America, Inc.		
ECO ECO-0162621	APPROVED BY D SURYAWANSHI	DATE 02/28/2019	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45° CORNER FILLETS: R.02 [.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]	DATE 02/14/2019			
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DASH	C	BS		REFERENCE 100116LE	MATERIAL	PROCESS/FINISH	
956	14.94 [379.47]	7.39 [187.70]		THIRD ANGLE PROJECTION	SIZE B	DRAWING NUMBER 108791	SHEET 1 OF 1

DASH	C	BS
956	14.94 [379.47]	7.39 [187.70]

LOW VOLTAGE C.C.W.



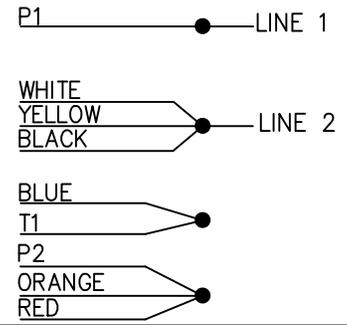
HIGH VOLTAGE C.C.W.



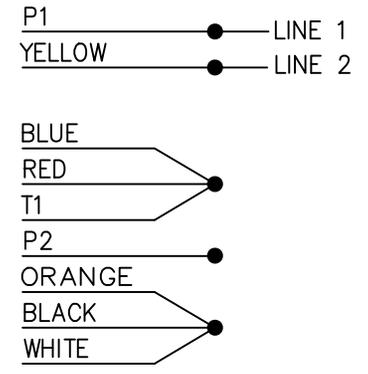
102006-52-LE

DUAL VOLTAGE
CAP START-CAP RUN
OVERLOAD
SELECT ROTATION

LOW VOLT. CCW ROT.



HIGH VOLT. CCW ROT.



FOR CW ROT. EITHER
VOLTAGE INTERCHANGE
RED WITH BLACK LEAD.

				TOLERANCES UNLESS SPECIFIED		ELECTRIC MOTORS GEARMOTORS AND DRIVES TITLE CONNECTION DIAGRAM	DRAWN NJS 02-24-2004
				DEC.	INCHES		CHK ML 02-24-2004
				.X	±.1		APPD JET 02-25-2004
				.XX	±.02		SCALE 5=8
				.XXX	±.005		REF
1	CHG'ED SWITCH TO OPEN WHEN RUNNING ISAAC 11-2715	KBB 06-23-2011	EH	.XXXX	±.0005	MAT'L.	FMF MU49983
NO.	REVISION	BY & DATE	CHK	ANG	±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 02-25-2004	CAD FILE 102006-52-LE	SIZE A	DRAWING NO. 102006-52-LE
				DIST WP		PAGE OF	REV. 1



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: A-102006-52-LE

CATALOG #: 117867.00

OUTLINE: 100116-956

MOUNTING: F1 ONLY

WINDING #: ZB411 3

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	1800	1725	56HZ	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	18.8/9.4	ACROSS THE LINE	CONTINUOUS	B3	1.15	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	79.2	1/2 LOAD EFF:	74.3	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	86.1	3/4 LOAD PF:	82	1/2 LOAD PF:	73.7	78.5	CAP START CAP RUN		

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
6.02 LB-FT	127 / 63.5	15.9 LB-FT 264 %	14.9 LB-FT 248 %	80

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	50 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
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



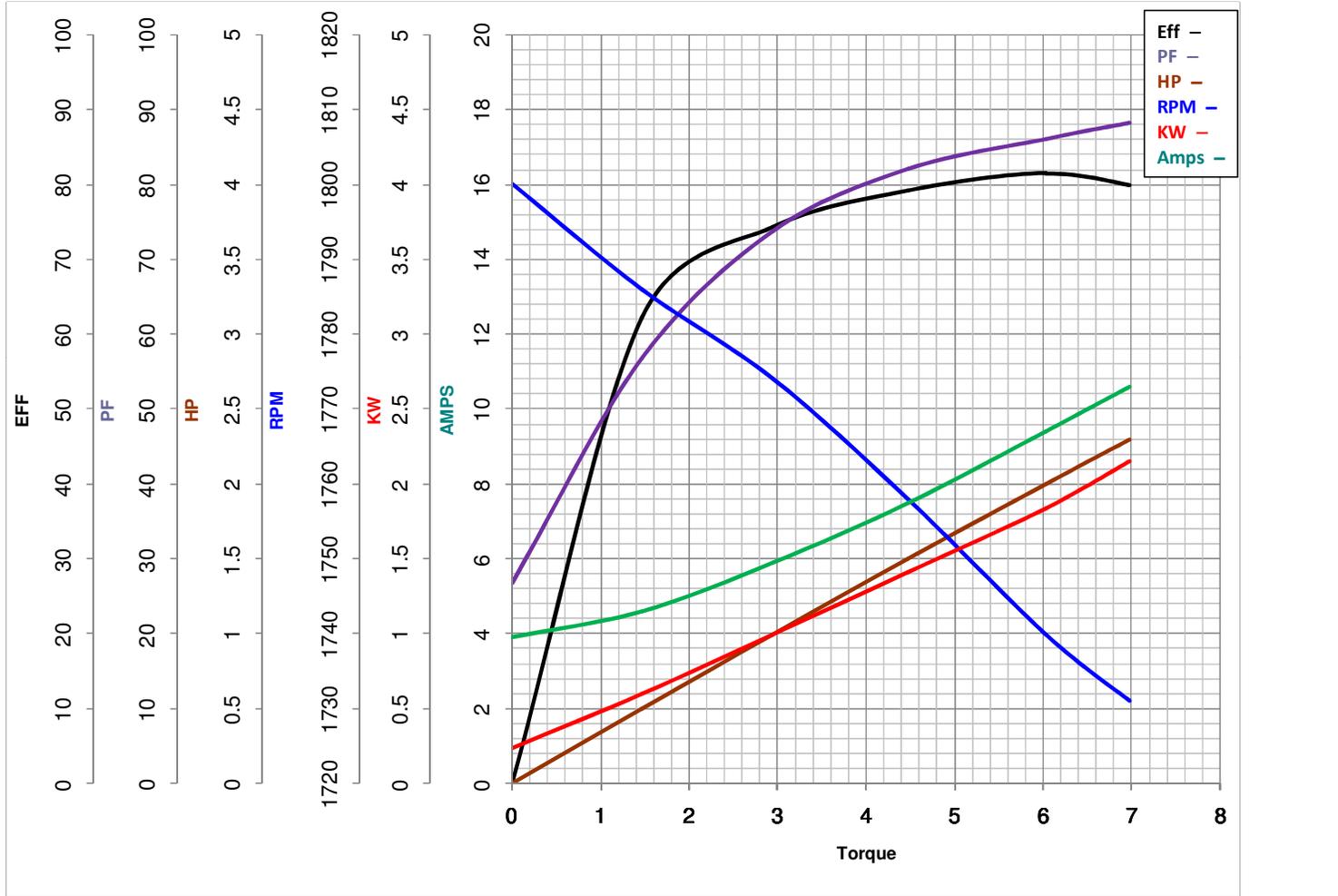
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 117867.00

Catalog No 117867.00

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

HZ 60 RPM 1725



Torque in Lb.Ft

FL TORQUE 6.02 Lb.Ft
 BD TORQUE 14.9 Lb.Ft
 LR TORQUE 15.9 Lb.Ft

FL AMPS 18.8/9.4
 PU TORQUE 14.3 Lb.Ft
 LR AMPS 63.5

WINDING ZB411-3

Date 5/2/2018