

PRODUCT INFORMATION PACKET



Model No: 111919.00
Catalog No: 111919.00
0.50 HP Agricultural Motor, 1 phase, 900 RPM, 115/230 V, 56HZ Frame, TEAO
Agricultural Motors



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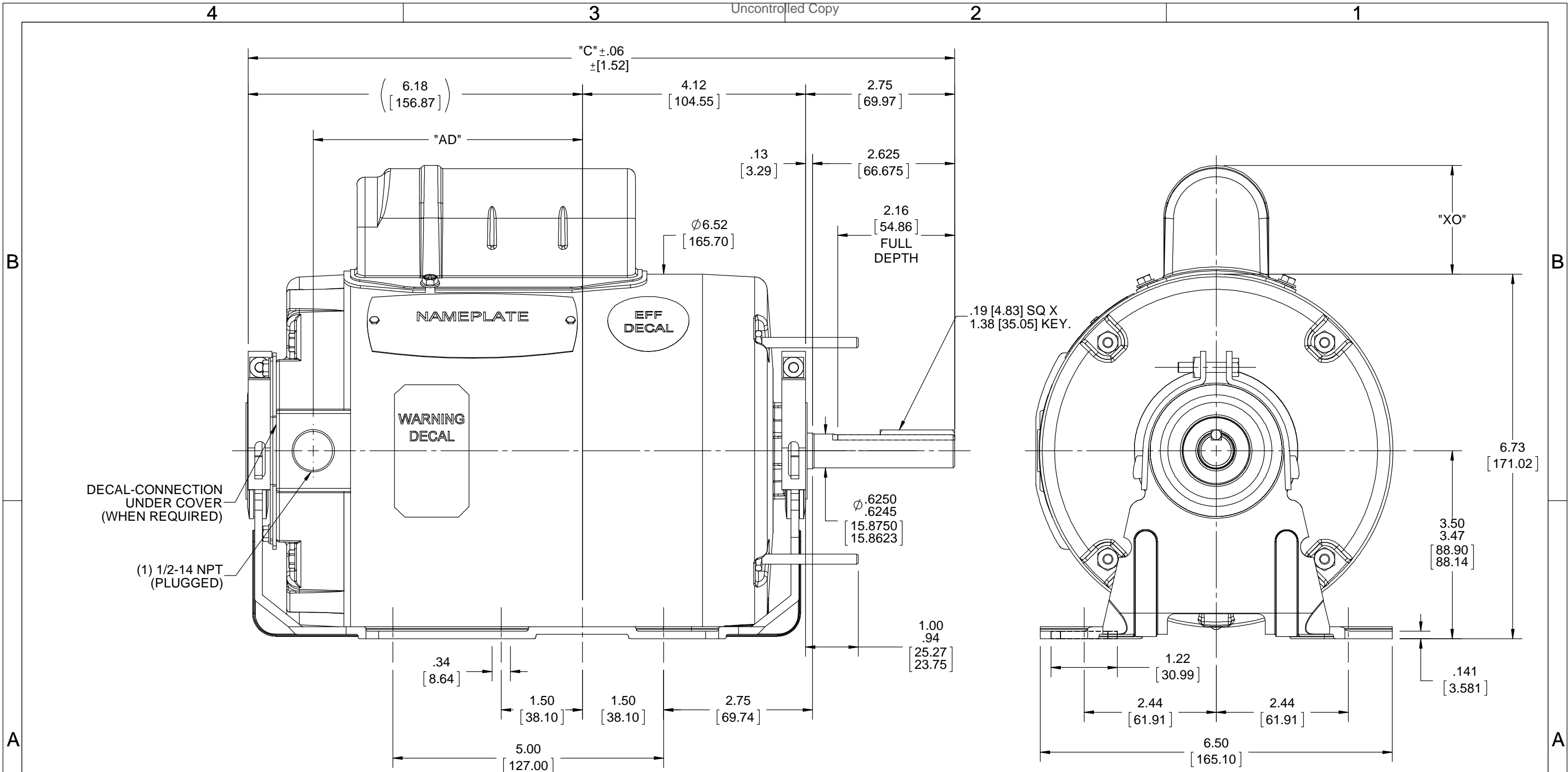
Nameplate Specifications

Output HP	0.50 Hp	Output KW	0.37 kW
Frequency	60 Hz	Voltage	115/230 V
Current	6.4/3.2 A	Speed	825 rpm
Service Factor	1	Phase	1
Efficiency	57.5 %	Power Factor	82
Duty	Continuous	Insulation Class	F
Design Code	NO DESIGN CODE	KVA Code	C
Frame	56HZ	Enclosure	Totally Enclosed Air Over
Thermal Protection	Automatic	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	Permanent Split Capacitor	Starting Method	Across The Line
Poles	8	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Resilient Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	Single Special Extension	Overall Length	13.60 in
Frame Length	7.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.75 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028752-700B	Connection Drawing	005109.01

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NOTE:-
1) GASKET THROUGHOUT.

DASH NO.	"C"	"AD"	CAP DASH.	"XO"
550	12.05 [306.07]	3.97 [100.84]		
600	12.55 [318.77]	4.47 [113.54]		
650	13.05 [334.47]	4.97 [126.24]	A	1.54 [39.12]
700	13.55 [344.17]	5.47 [138.94]	B	2.01 [51.05]
750	14.05 [356.87]	5.97 [151.64]	C	2.25 [57.15]

DRAWING REVISION	REVISION BY	DATE
G	A.SUPPANAVAR	01/22/2018
ECO	APPROVED BY	DATE
ECO-0143018	PK	04/11/2018

ECO DESCRIPTION
OUTLINE CONVERSION PROJECT
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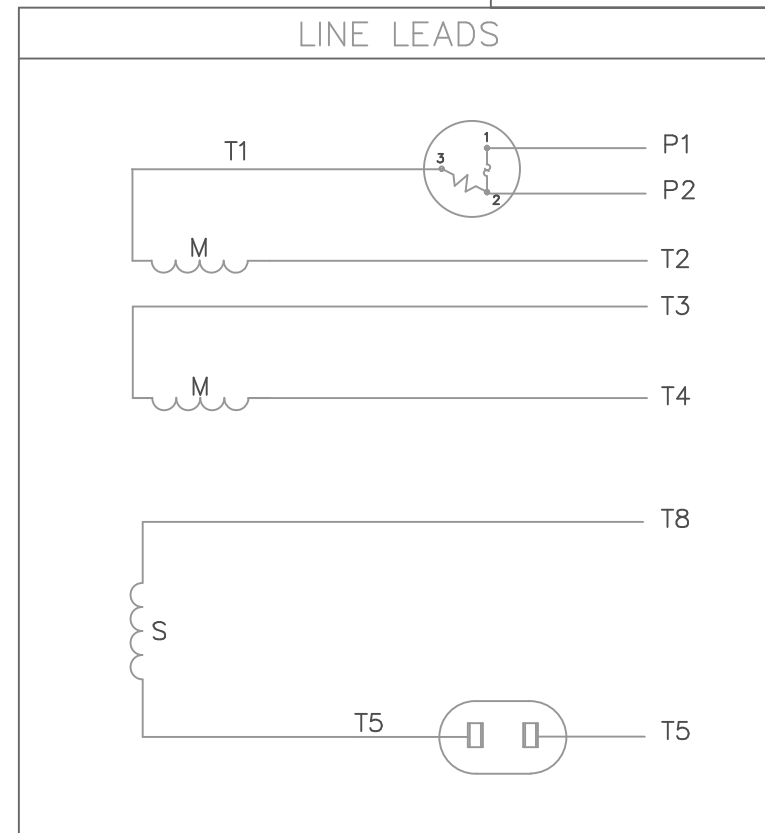
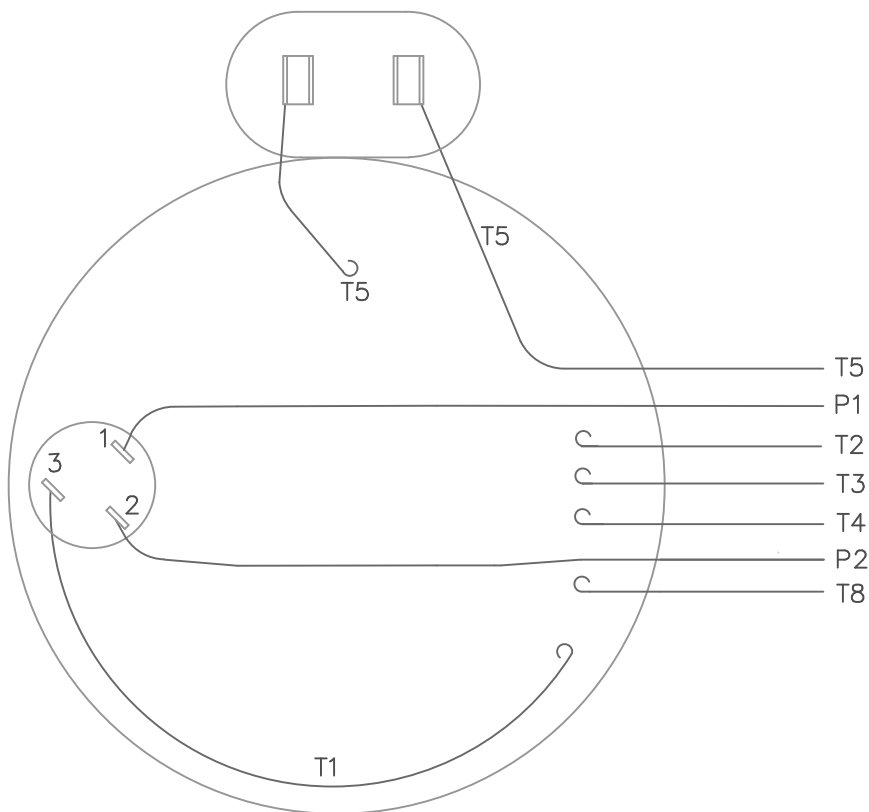
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.076/.381] X 45°
CORNER FILLETS: R.02 [.51]
MACHINED SURFACES: 125 INCH 3.2 mm

DRAWN BY	DATE
RDW	03/17/06
APPROVED BY	DATE
SW	03/17/06
REFERENCE	THIRD ANGLE PROJECTION
028752	

REGAL™ Regal Beloit America, Inc.	
DESCRIPTION	OUTLINE 56H FRAME TENV-RESILIENT
MATERIAL	
PROCESS/FINISH	
SIZE	B
DRAWING NUMBER	028752
SHEET	1 OF 1

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	--

				TOLERANCES UNLESS OTHERWISE SPECIFIED		
				DEC.	INCHES	METRIC
				.X	±	±
				.XX	±	±
08	REDRAWN ON CAD	DBT 05/28/97		.XXX	±	±
NO.	REVISION	BY & DATE	CH'K'D.	.XXXX	±	±
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				ANGLES	±	

LEESON ELECTRIC CORPORATION

DRAWN JRW 10/01/75	TITLE	EXTERNAL WIRING DIAGRAM	
APPR. JBM 10/02/75		TYPE "P" W/PROTECTOR	
R.F.P.	MAT'L.	DECAL - 004011	BRF
SCALE 1=1	FINISH	REV. 08	DRAWING NO. 005109-01
REF. 005003			
FMF W-P5567			



CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005109.01

CATALOG #: 111919.00

OUTLINE: 028752-700B

MOUNTING: F1 ONLY

WINDING #: P63815 NR 3 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	900	825	56HZ	TEAO	C	NO DESIGN CODE

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	6.4/3.2	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	57.5	3/4 LOAD EFF:	52.9	1/2 LOAD EFF:	42.5	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	82	3/4 LOAD PF:	78.3	1/2 LOAD PF:	73.2	52.5		PSC 1 SPEED	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
49.1 OZ-FT	16.7 / 8.4	21.5 OZ-FT 59 %	74.9 OZ-FT 207 %	142

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
54 dBA	64 dBA	0.13 LB-FT^2	0 LB-FT^2	10 SEC.	0	43 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
STANDARD	STANDARD	RESILIENT BASE	HORIZONTAL	FALSE	NONE	FALSE	NONE	GRAY - LIGHT (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	SGL SPL EXT	VERIFY	VERIFY	1144 STRESSPROOF (C-223)	ROLLED STEEL
6203	6203						

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

*
N
O
T
E

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

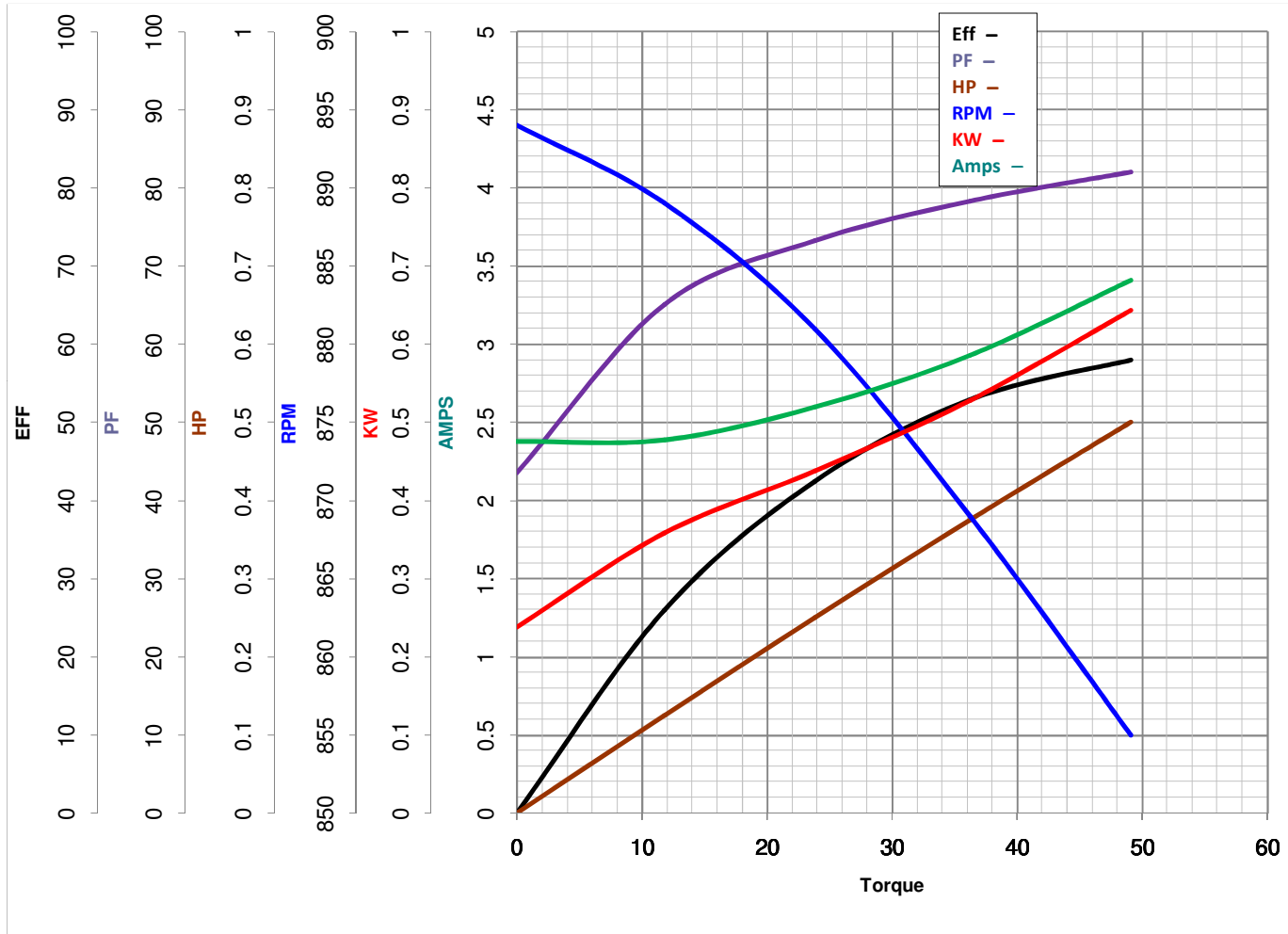


LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 111919.00

Catalog No 111919.00

Curve at 230 Volts HP 0.50 PHASE 1
60 HZ
0.5 HP VOLTS 115/230
HZ 60 RPM 825



Torque in Oz.Ft

FL TORQUE 49.1 Oz.Ft
 BD TORQUE 74.9 Oz.Ft
 LR TORQUE 21.5 Oz.Ft

FL AMPS 6.4/3.2
 PU TORQUE 18.8 Oz.Ft
 LR AMPS 8.36

WINDING P63815-3

Date 3/15/2018