

# PRODUCT INFORMATION PACKET



Model No: E113336.00

Catalog No: E113336.00

ecoSaver™ General Purpose Motor, 1.50 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56C Frame, DP

Operational at 208-115/230 V @60HZ



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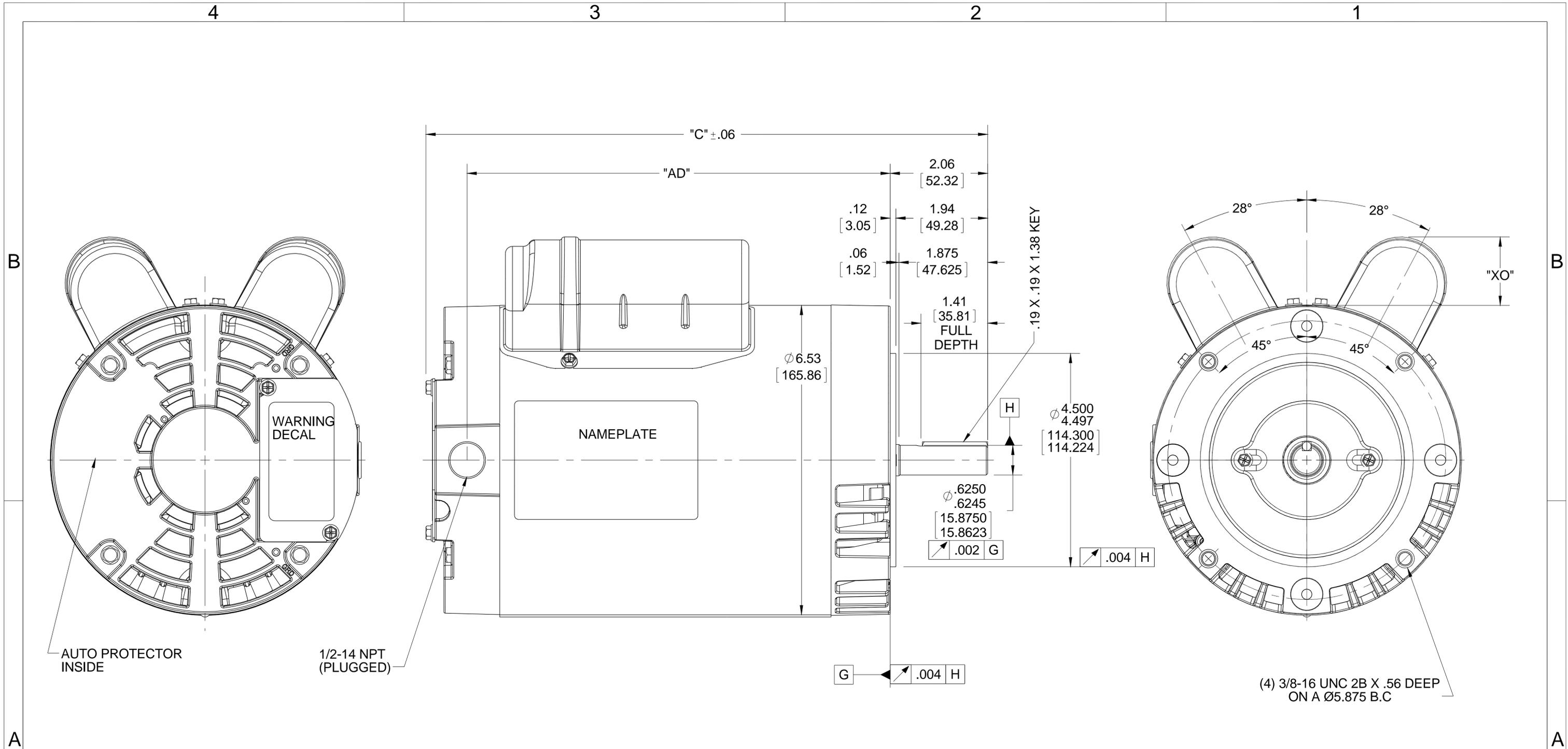


### Nameplate Specifications

Phase	1	Output HP	1.50 Hp
Output KW	1.1 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.15
Frame	56C	Enclosure	Drip Proof
Thermal Protection	Automatic	Efficiency	81.5 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	12.2/6.1 A	Power Factor	97.3
Duty	Continuous	Insulation Class	B
Design Code	L	KVA Code	J
Drive End Bearing Size	6203	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	22
Number of Speeds	1		

### Technical Specifications

Electrical Type	Capacitor Start Capacitor Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	0 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	12.37 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	607-0259-750C	Connection Drawing	005053.01



DASH	"C"	"AD"	CAP. DASH	"XO"
500	9.87	6.94		
550	10.37	7.44		
600	10.87	7.94		
650	11.37	8.44		
700	11.87	8.94	A	1.15
750	12.37	9.44	B	1.60
800	12.87	9.94	C	1.82

ORACLE  
PART REV.  
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DRAWING REVISION A	REVISION BY PK	DATE 08/17/2016
ECO ECO-0107780	APPROVED BY PK	DATE 08/17/2016
ECO DESCRIPTION <b>NEW DRAWING</b>		
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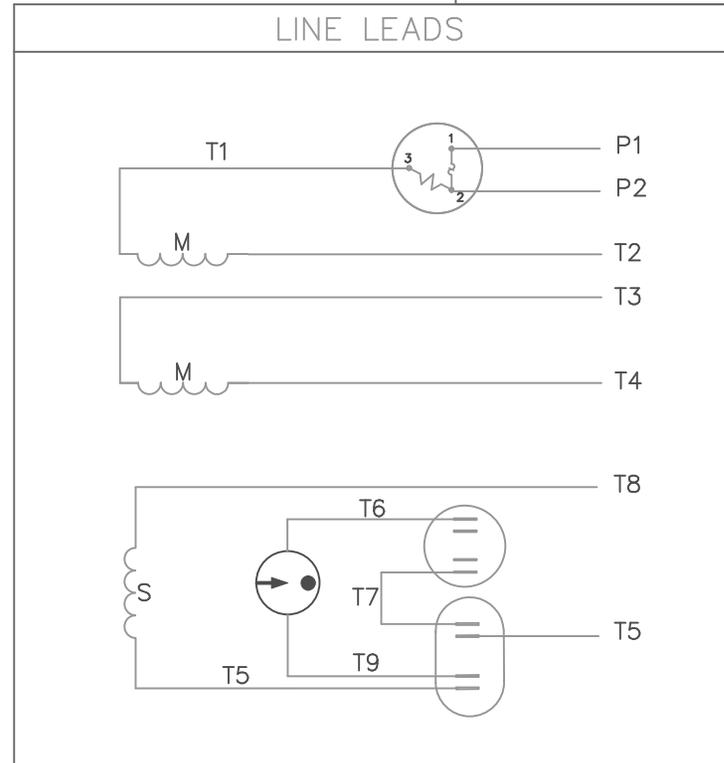
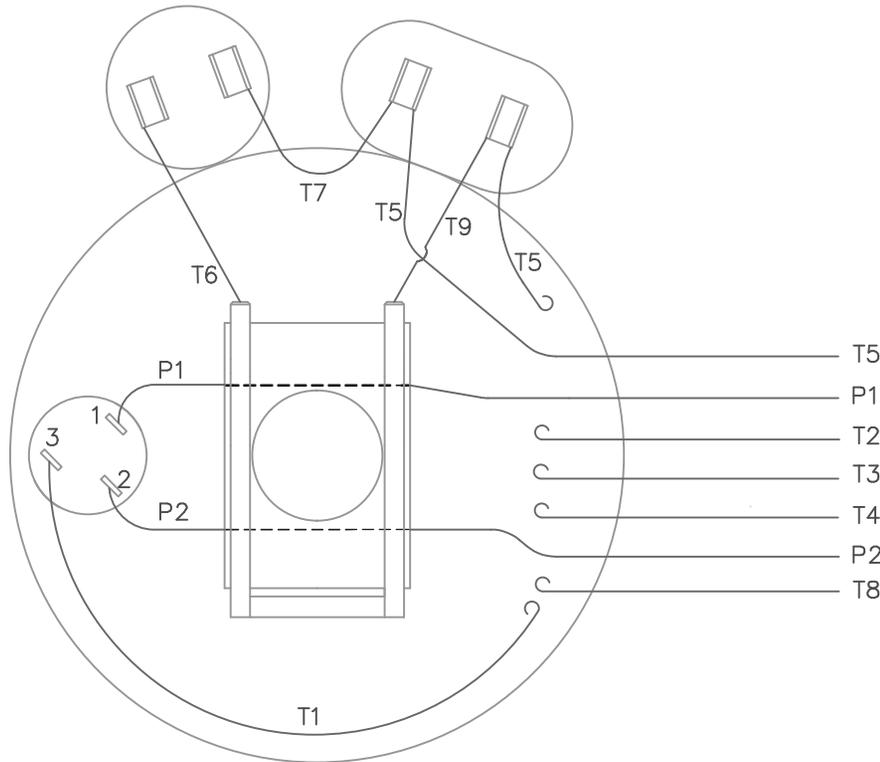
DEC.	INCH	mm	ANGLE
.X	$\pm 0.1$	[ $\pm 2.5$ ]	$\pm 0.5^\circ$
.XX	$\pm 0.03$	[ $\pm 0.76$ ]	
.XXX	$\pm 0.005$	[ $\pm 0.127$ ]	
.XXXX	$\pm 0.0005$	[ $\pm 0.0127$ ]	

REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45°  
CORNER FILLETS: R.02 [.51]  
MACHINED SURFACES: 125  $\sqrt{\text{INCH}}$  3.2  $\sqrt{\text{mm}}$   
mm SHOWN IN [BRACKETS]

DRAWN BY PK	DATE 08/17/2016
APPROVED BY PK	DATE 08/17/2016
REFERENCE 607-0201	THIRD ANGLE PROJECTION

<b>REGAL</b> ™ Regal Beloit America, Inc.	
DESCRIPTION <b>OUTLINE</b> DRIP PROOF - ROUND 56C FRAME	PROCESS/FINISH
MATERIAL	SIZE <b>B</b>
DRAWING NUMBER <b>607-0259</b>	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	
				DECIMALS	
				.00	± .01
				.000	± .005
18	REDRAWN ON CAD	DBT	05/27/97	.0000	± .0005
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64
				ANGLES	± 1/2°
				INCH/MM	

**LEESON** ELECTRIC CORPORATION

DRAWN JRW 09/26/74 TITLE EXTERNAL WIRING DIAGRAM  
CH'K'D. TYPE "K" W/PROTECTOR

APPR. TEM MAT'L. DECAL 004011 **BRF**

SCALE 1=1 REF. 005004 FINISH SIZE A DRAWING NO. 005053-01

FMF W-K 6341

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**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005053.01

**CATALOG #:** E113336.00

**OUTLINE:** 607-0259-750C

**MOUNTING:** F1 ONLY

**WINDING #:** K632185 DR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1 1/2	1.12	3600	3450	56C	DP	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/230	12.2/6.1	ACROSS THE LINE	CONTINUOUS	B4	1.15	40

FULL LOAD EFF:	81.5	3/4 LOAD EFF:	81.5	1/2 LOAD EFF:	77.7	GTD. EFF		ELEC. TYPE	
FULL LOAD PF:	97.3	3/4 LOAD PF:	97.6	1/2 LOAD PF:	97.5	78.5		CAP START CAP RUN	

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
36.25 LB-FT	87 / 43.5	106.51 LB-FT 294 %	83.45 LB-FT 230 %	22.6

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.047 LB-FT^2	0 LB-FT^2	0 SEC.	0	31 LBS.

**\*\*\* SUPPLEMENTAL INFORMATION \*\*\***

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	ROUND	HORIZONTAL	FALSE	NONE	FALSE	NONE	GREEN - LEESON WATTSaver

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	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

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<b>INVERTER TORQUE:</b> NONE
<b>INV. HP SPEED RANGE:</b> NONE
<b>ENCODER:</b> NONE
NONE NONE
NONE NONE PPR
<b>BRAKE:</b> NONE NONE
NONE P/N NONE
NONE NONE
NONE FT-LB NONE V NONE Hz



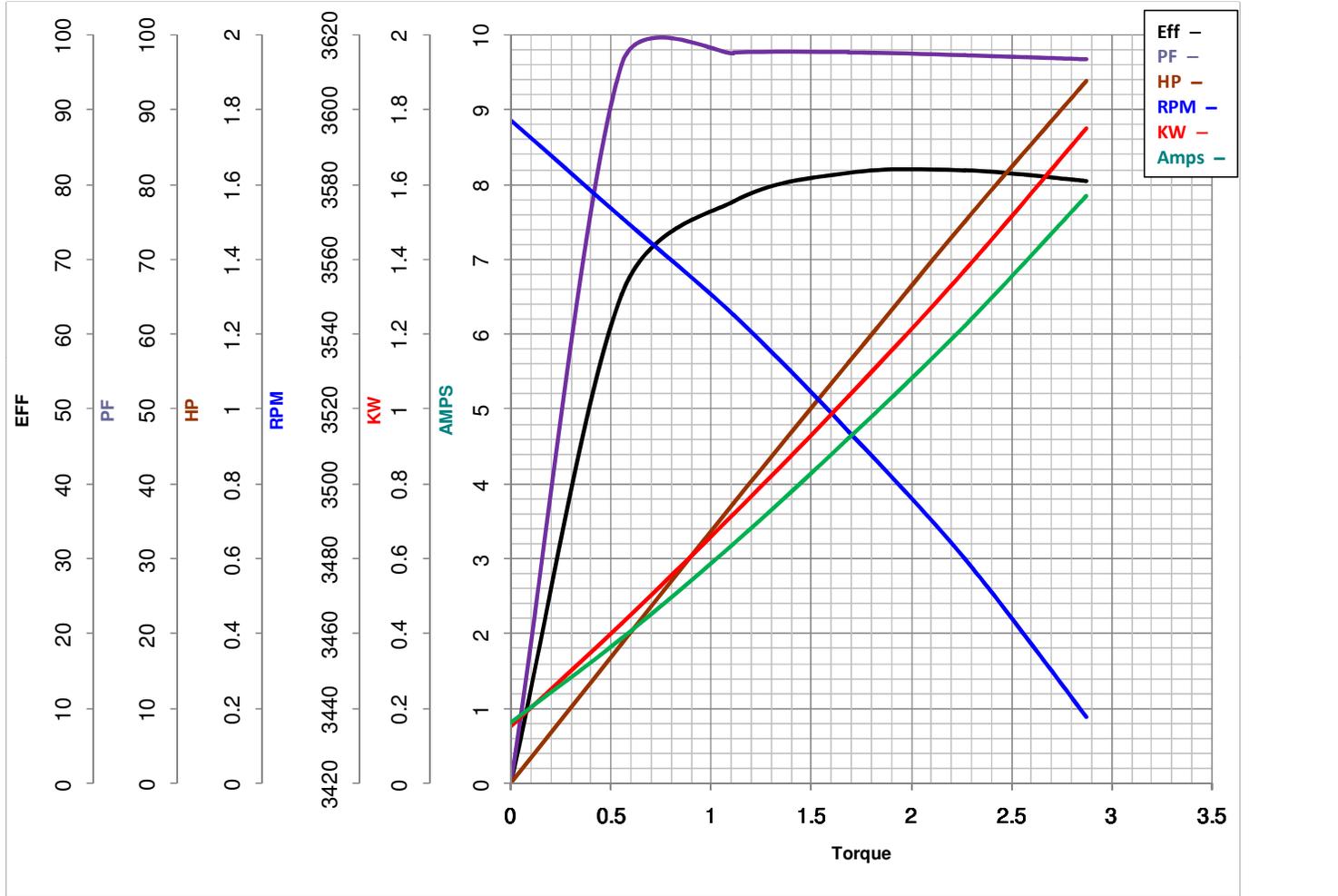
**LEESON ELECTRIC CORPORATION**  
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No E113336.00

Curve at 230 Volts      HP 1.50      PHASE 1  
60 HZ  
1.5 HP      VOLTS 115/230

Catalog No E113336.00

HZ 60      RPM 3450



Torque in Lb.Ft

FL TORQUE 2.266 Lb.Ft  
 BD TORQUE 5.2 Lb.Ft  
 LR TORQUE 6.657 Lb.Ft

FL AMPS 12.2/6.1  
 PU TORQUE 5.1 Lb.Ft  
 LR AMPS 43.48

WINDING K632185-3

Date 4/12/2018