

# PRODUCT INFORMATION PACKET



Model No: 110421.00  
Catalog No: 110421.00  
General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56C Frame, TEFC

**Operational at 115/208-230 V @60HZ**



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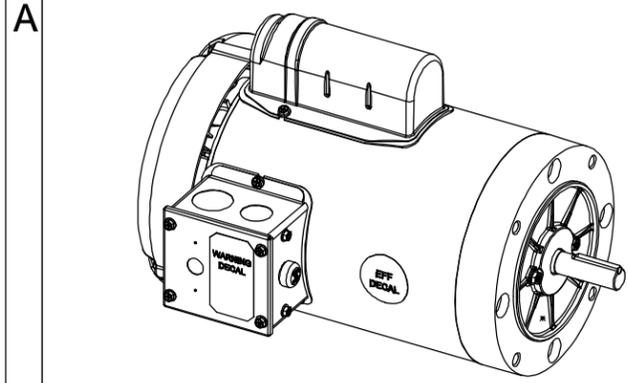
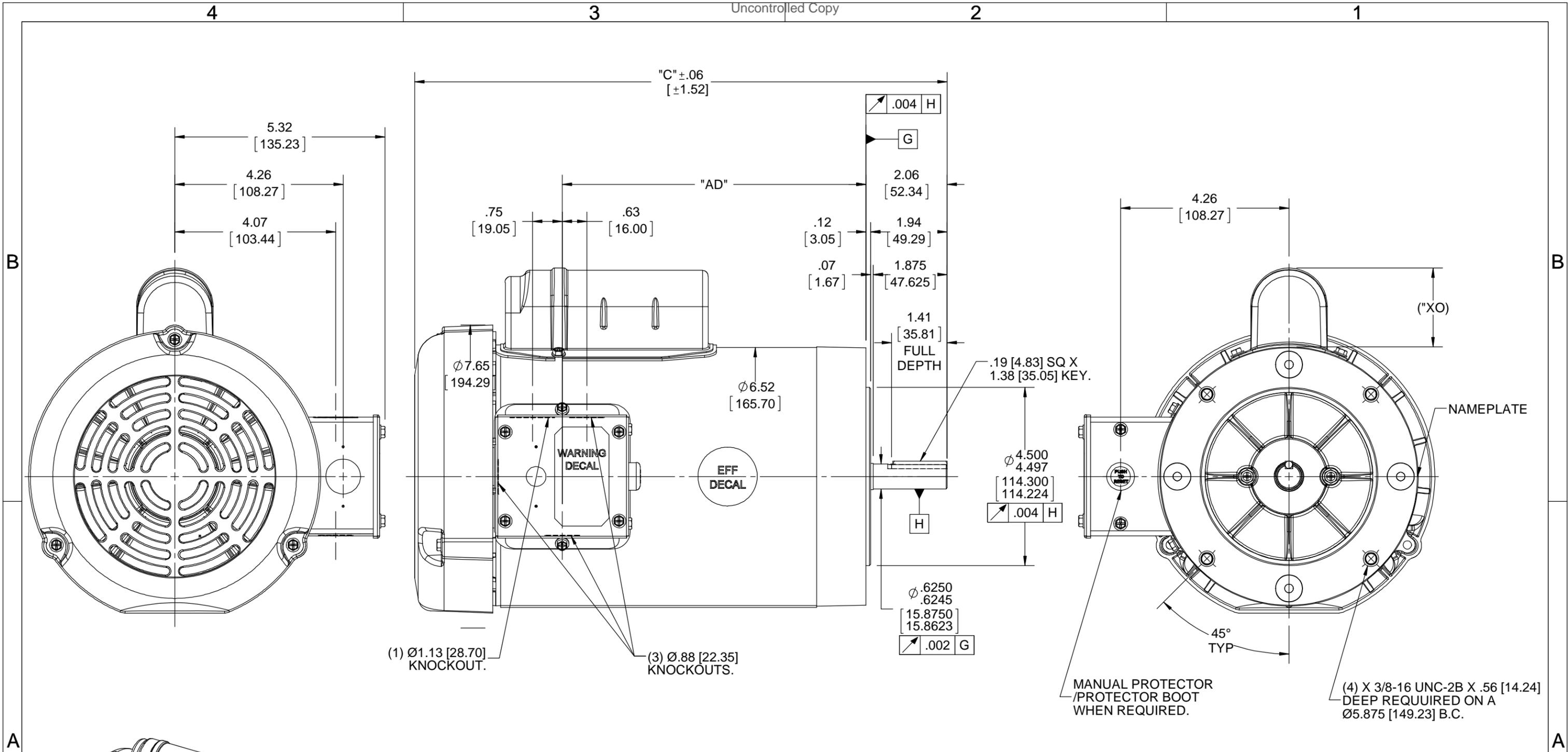


### Nameplate Specifications

Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.0
Frame	56C	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Manual	Efficiency	73 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	20.0/10.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
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	43
Number of Speeds	1		

### Technical Specifications

Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.92 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	13.49 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.06 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	029085-800B	Connection Drawing	005067.02



NOTE:-  
1) GASKET THROUGHOUT.

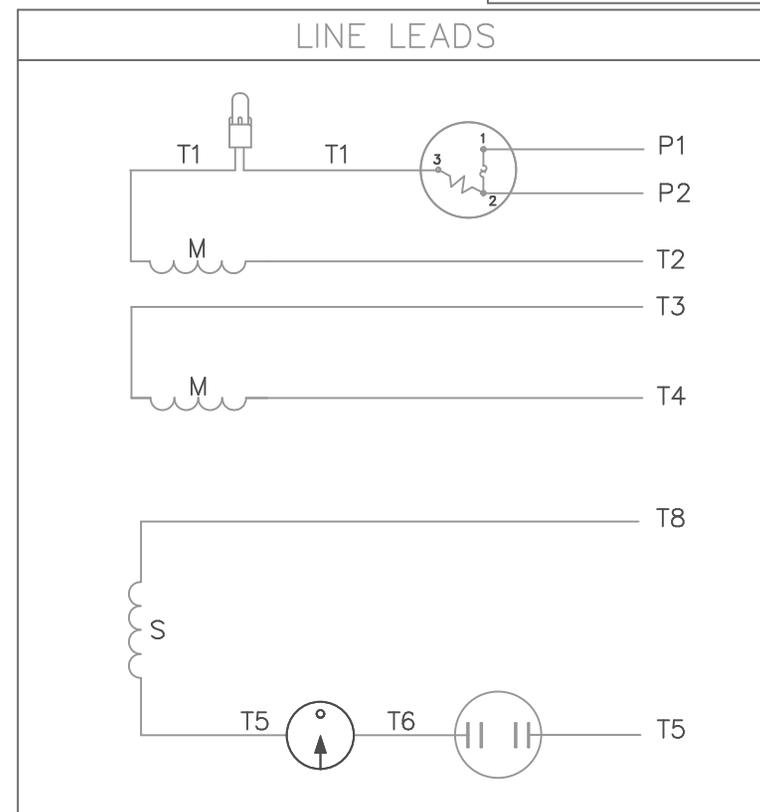
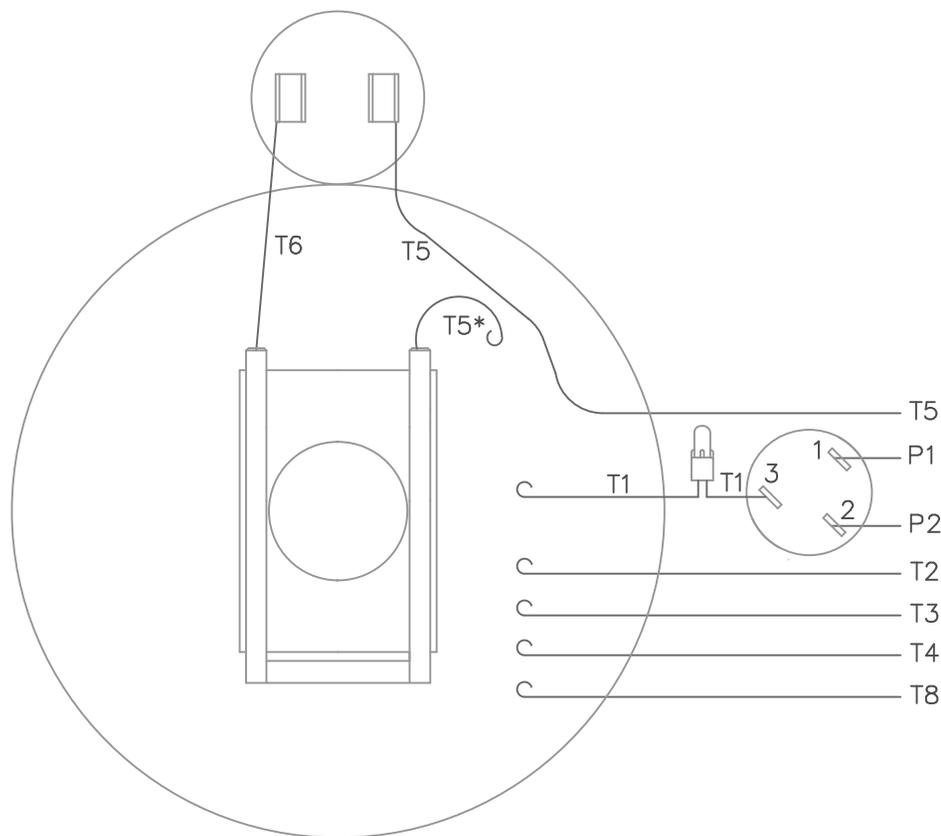
DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0136357	APPROVED BY	DATE
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TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±0.5°
.XX	±0.01	[±0.25]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 125 INCH / 3.2 mm SHOWN IN [BRACKETS]			

DASH NO.	"C"	"AD"	CAP DASH	"XO"
800	13.49 [342.65]	7.69 [195.33]	B	2.00 [50.80]

DRAWN BY A SUPPANAVAR	REGAL™ Regal Beloit America, Inc.		
DATE 01/17/2018	DESCRIPTION <b>OUTLINE</b> 56C FRAME-TEFC-"C" FACE		
APPROVED BY PK	MATERIAL	PROCESS/FINISH	
DATE 05/23/2018	DRAWING NUMBER <b>029085</b>		
REFERENCE 028831	SIZE B	SHEET 1 OF 1	
THIRD ANGLE PROJECTION			

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	

\* THIS LEAD MAY BE WHITE

		TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN WLW 09/01/76	
		DEC.	INCHES	TITLE		CHK	
05	ALTERNATE T5 LEAD MARKING WAS RED	RLW	8/6/02	.X	±.1	APPD	
04	ADDED ALTERNATE T5 LEAD MARKING	RLW	5/31/02	KH	.XX	±.01	SCALE 1=1
03	DECAL WAS 004015	DBT	12/23/97		.XXX	±.005	REF
02	REDRAWN ON CAD	DBT	05/29/97		.XXXX	±.0005	FMF
NO.	REVISION	BY & DATE	CHK	ANG	±1/2'	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		CAD FILE	00506702	SIZE	DRAWING NO.
9/25/2008 4:58:02 PM		DIST	NLV			A	005067-02
							REV. 05



**CERTIFICATION DATA SHEET**

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

**CONN. DIAGRAM:** 005067.02

**CATALOG #:** 110421.00

**OUTLINE:** 029085-800B

**MOUNTING:** F1 ONLY

**WINDING #:** C632213 FR 3 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56C	TEFC	J	L

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	20/11.4-10	ACROSS THE LINE	CONTINUOUS	F4	1.0	40

FULL LOAD EFF:	73	3/4 LOAD EFF:	72.9	1/2 LOAD EFF:	71	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	87	3/4 LOAD PF:	81.7	1/2 LOAD PF:	71.8	68	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L,R. TORQUE	B,D. TORQUE	F.L. RISE°C
3 LB-FT	128.8 / 64.4	7.5 LB-FT 250 %	7.8 LB-FT 260 %	90

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.09 LB-FT^2	0 LB-FT^2	0 SEC.	0	44 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	BLUE - LEESON (ENAMEL)

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	MANUAL	NONE	NONE	NONE	FALSE	NONE VOLTS

\*  
N  
O  
T  
E  
S

<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



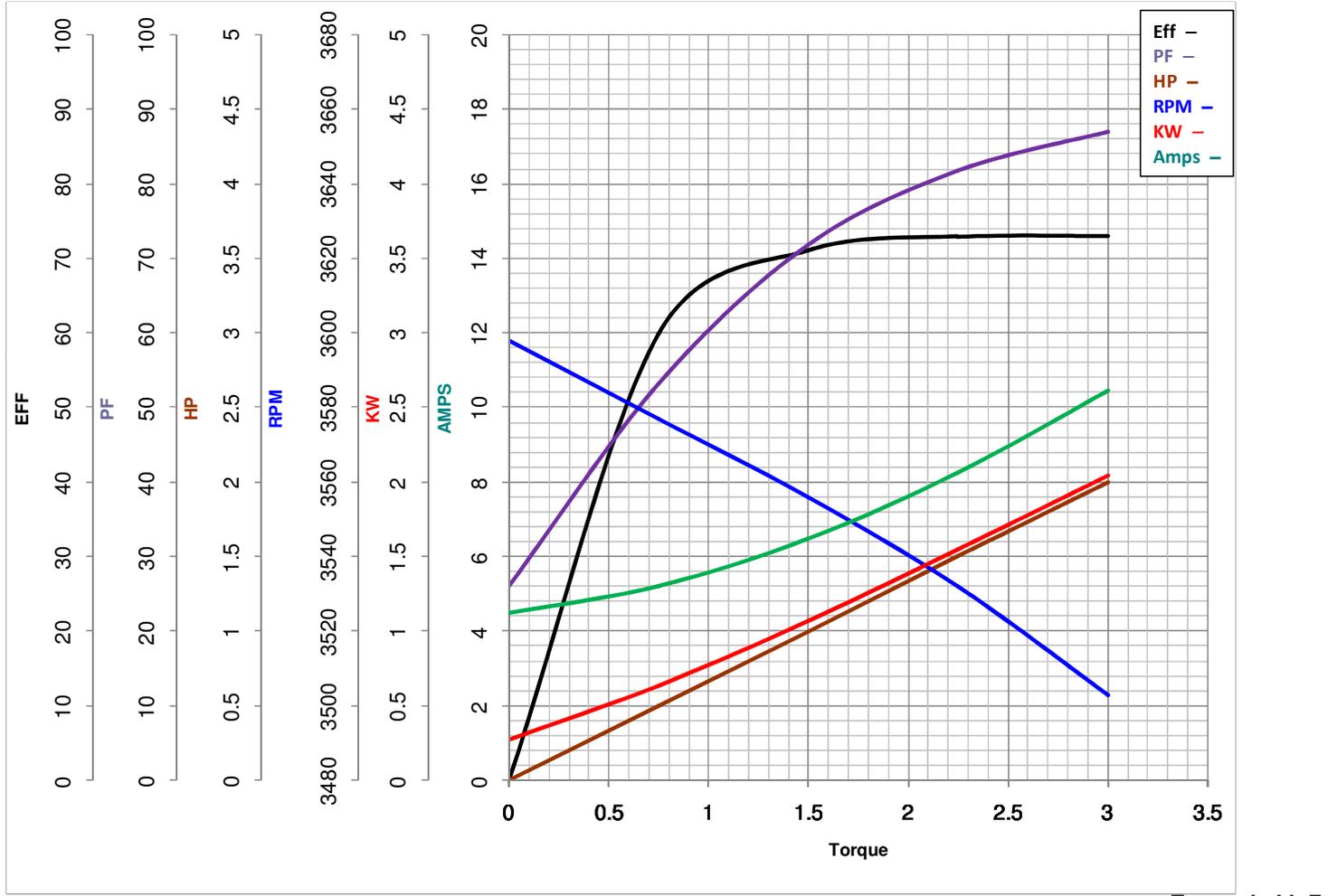
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110421.00

Catalog No 110421.00

Curve at 230 Volts HP 2.00 PHASE 1  
60 HZ  
2 HP VOLTS 115/208-230

HZ 60 RPM 3450



Torque in Lb.Ft

FL TORQUE 3 Lb.Ft  
BD TORQUE 7.8 Lb.Ft  
LR TORQUE 7.5 Lb.Ft

FL AMPS 20/11.4-10  
PU TORQUE 7.0 Lb.Ft  
LR AMPS 64.4

WINDING C632213-3

Date 4/12/2018