

PRODUCT INFORMATION PACKET



Model No: 110422.00

Catalog No: 110422.00

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	No Protection	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

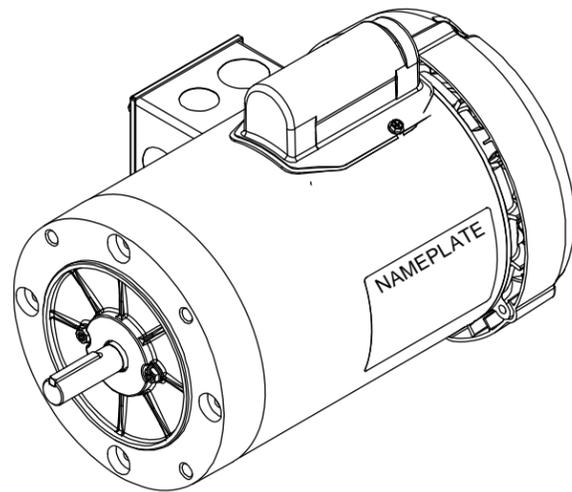
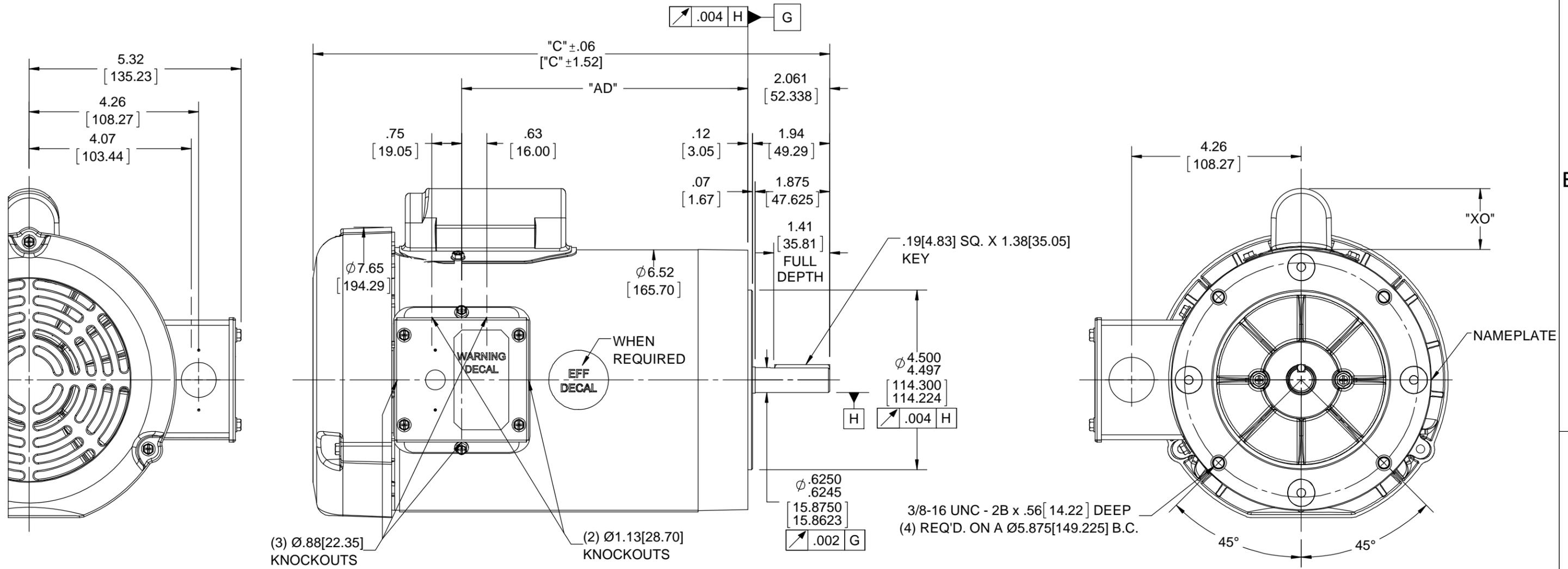
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Selective Counterclockwise
Resistance Main	.92 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.48 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	029075-800B	Connection Drawing	005062.01

B

B

A

A



NOTES:
1) GASKETS THROUGHOUT.

DRAWING REVISION A	REVISION BY	DATE
ECO ECO-0139851	APPROVED BY	DATE
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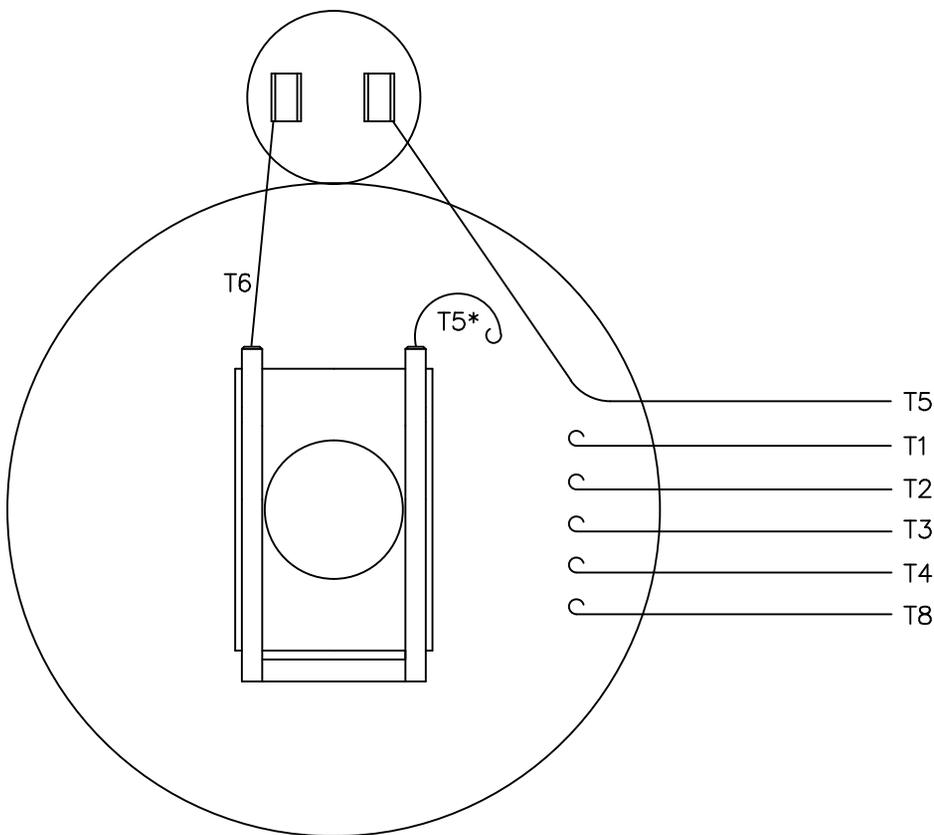
TOLERANCES UNLESS OTHERWISE SPECIFIED:			
DEC.	INCH	mm	ANGLE
.X	±0.1	[±2.5]	±7° 30"
.XX	±0.03	[±0.76]	
.XXX	±0.005	[±0.127]	
.XXXX	±0.0005	[±0.0127]	
REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [0.076/.381] X 45° CORNER FILLETS: R.02 [0.51] MACHINED SURFACES: 200 INCH/mm 5.1 mm SHOWN IN [BRACKETS]			

DRAWN BY T AHER
DATE 12/07/2017
APPROVED BY PK
DATE 2/15/2018
REFERENCE 028854
THIRD ANGLE PROJECTION

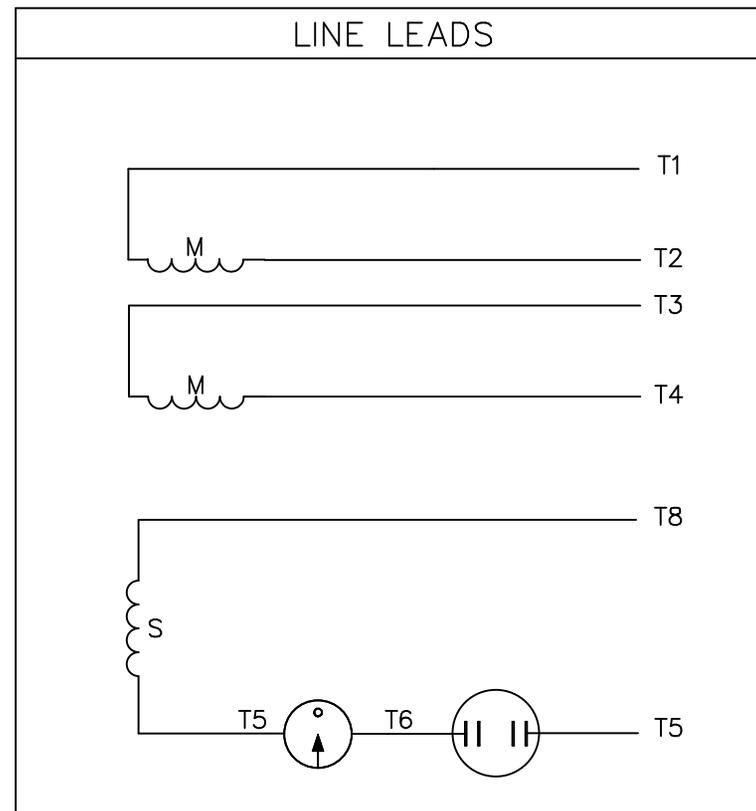
DASH NO.	"C"	"AD"	CAP DASH	"XO"
750	12.98 [329.69]	7.19 [182.63]	A	1.53 [38.86]
800	13.48 [342.39]	7.69 [195.33]	B	2.00 [50.80]

REGAL ™ Regal Beloit America, Inc.	
DESCRIPTION OUTLINE 56C FRAME, TEFC - "C" FACE	
MATERIAL	PROCESS/FINISH
SIZE B	DRAWING NUMBER 029075
SHEET 1 OF 1	

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



* THIS LEAD MAY BE WHITE



	ROTATION FACING LEAD END	L1	L2	JOIN
HIGH VOLT	C.C.W.	T1	T4 T5	T2, T3 T8
	C.W.	T1	T4 T8	T2, T3 T5
LOW VOLT	C.C.W.	T1, T3 T8	T2, T4 T5	---
	C.W.	T1, T3 T5	T2, T4 T8	---

NO.	REVISION	BY & DATE	CHK	TOLERANCES UNLESS SPECIFIED	
				DEC.	INCHES
				.X	±.1
12	ALTERNATE T5 LEAD MARKING WAS RED	RLW 8/6/02		.XX	±.01
11	ADDED ALTERNATE T5 LEAD MARKING	RLW 5/31/02	KH	.XXX	±.005
10	UPDATED TO CURRENT STANDARDS	DBT 06/09/97		.XXXX	±.0005
				ANG	±1/2°

	ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN JRW 12/05/74
		CHK
TITLE EXT. WIRING DIAGRAM TYPE "C" W/O PROTECTOR		APPD T.E.M.
MAT'L. DECAL - 004012		SCALE 1=1
FINISH		REF A-005061
CAD FILE 00506201		FMF
DIST NLV		PREV

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

CERTIFICATION DATA SHEET

CONN. DIAGRAM: 005062.01
OUTLINE: 029075-800B
WINDING #: C632213 FR 3 A

CATALOG #: 110422.00
MOUNTING: F1 ONLY

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	43 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	NOT	NONE	NONE	NONE	FALSE	NONE VOLTS

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

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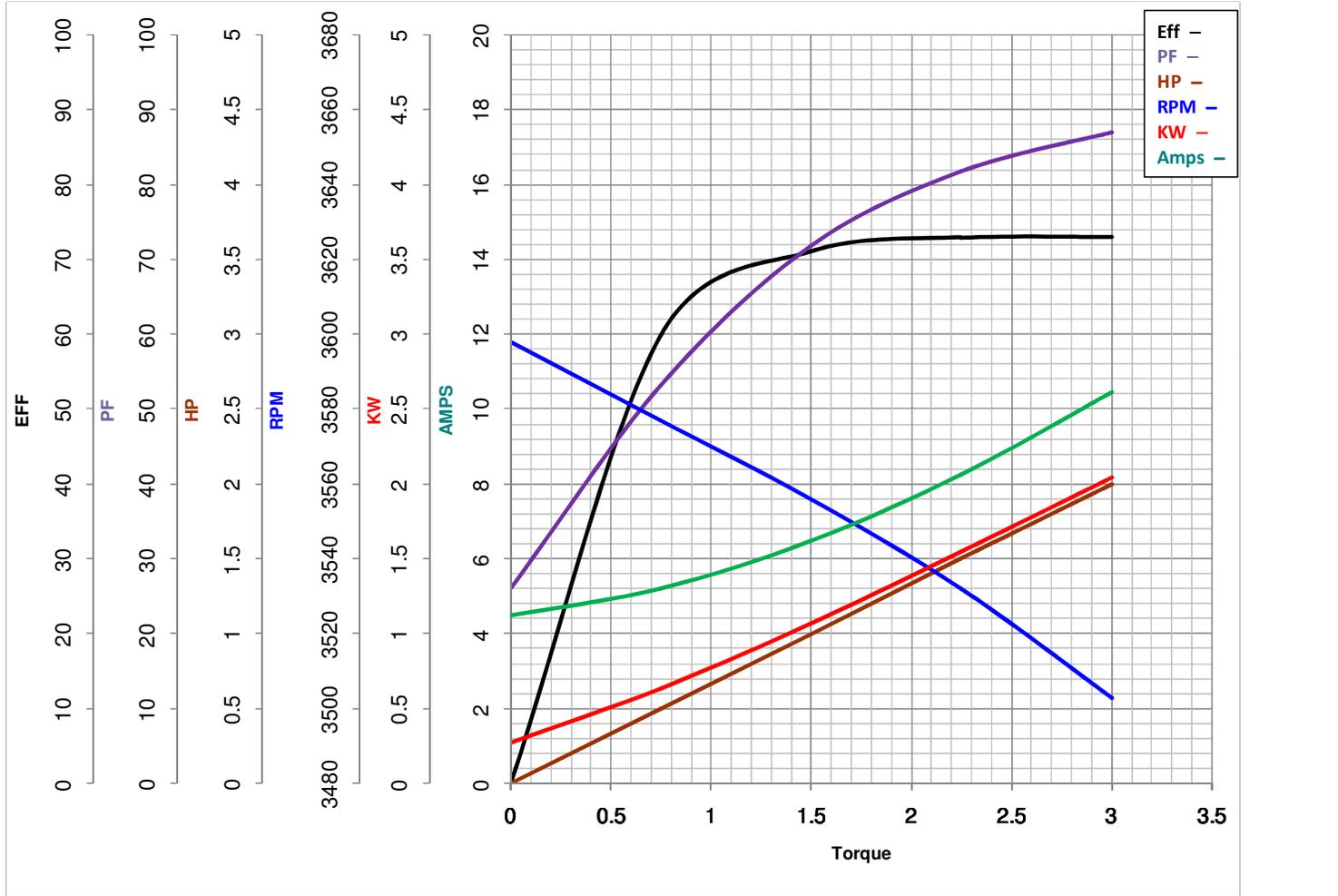
LEESON ELECTRIC CORPORATION
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 110422.00

Catalog No 110422.00

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 3/23/2018