

# PRODUCT INFORMATION PACKET



Model No: 114637.00

Catalog No: 114637.00

White Duck™ General Purpose Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56HC Frame, TEFC

Operational at 115/208-230 V @60HZ



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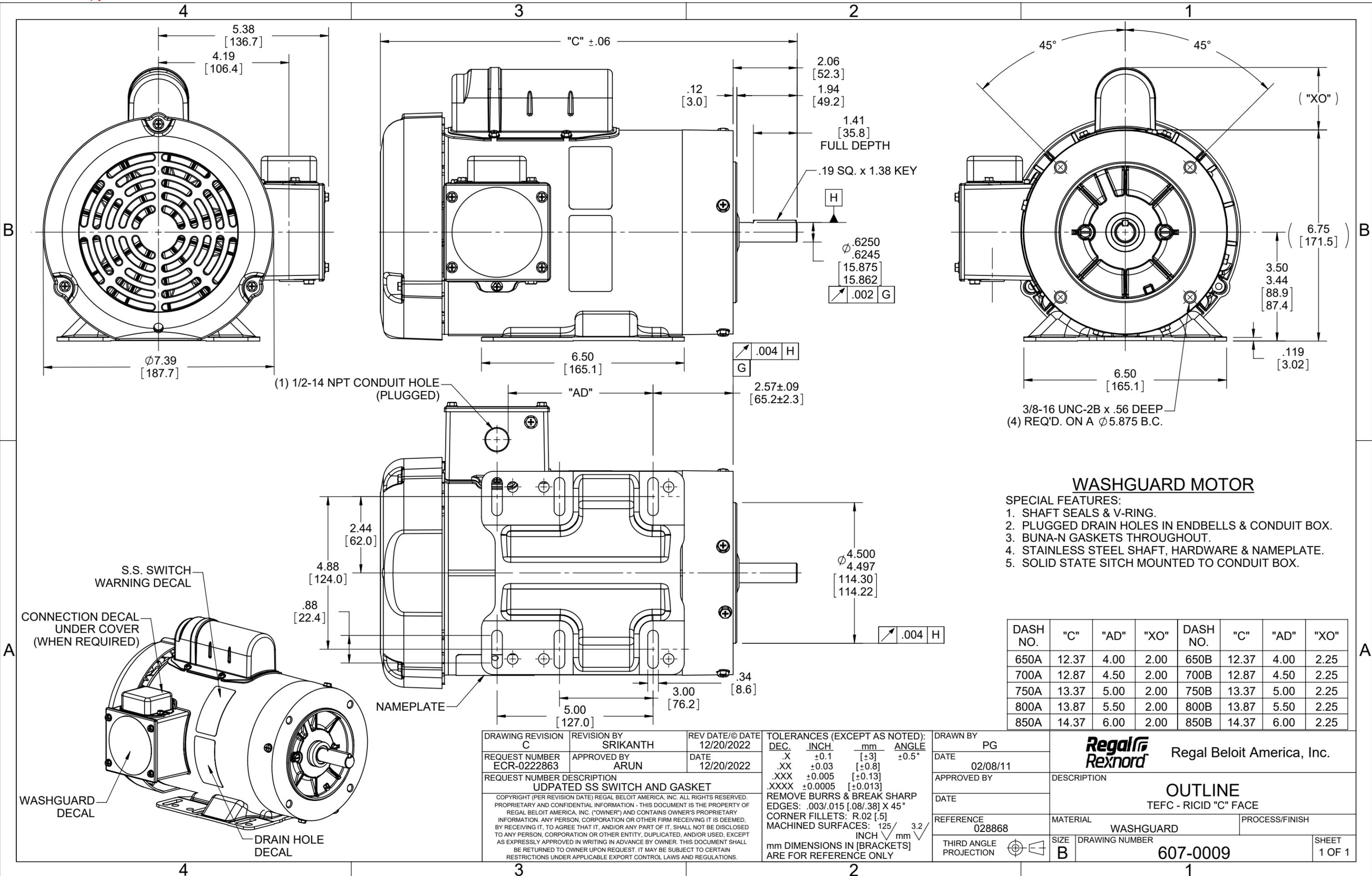


### Nameplate Specifications

Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.00
Frame	56HC	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	6205	Opp Drive End Bearing Size	6203
UL	Recognized	CSA	Y
CE	N	IP Code	55
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	Rigid Base
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	NEMA 56	Overall Length	13.37 in
Frame Length	7.50 in	Shaft Diameter	0.625 in
Shaft Extension	1.88 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005278.07	Outline Drawing	607-0009-750A



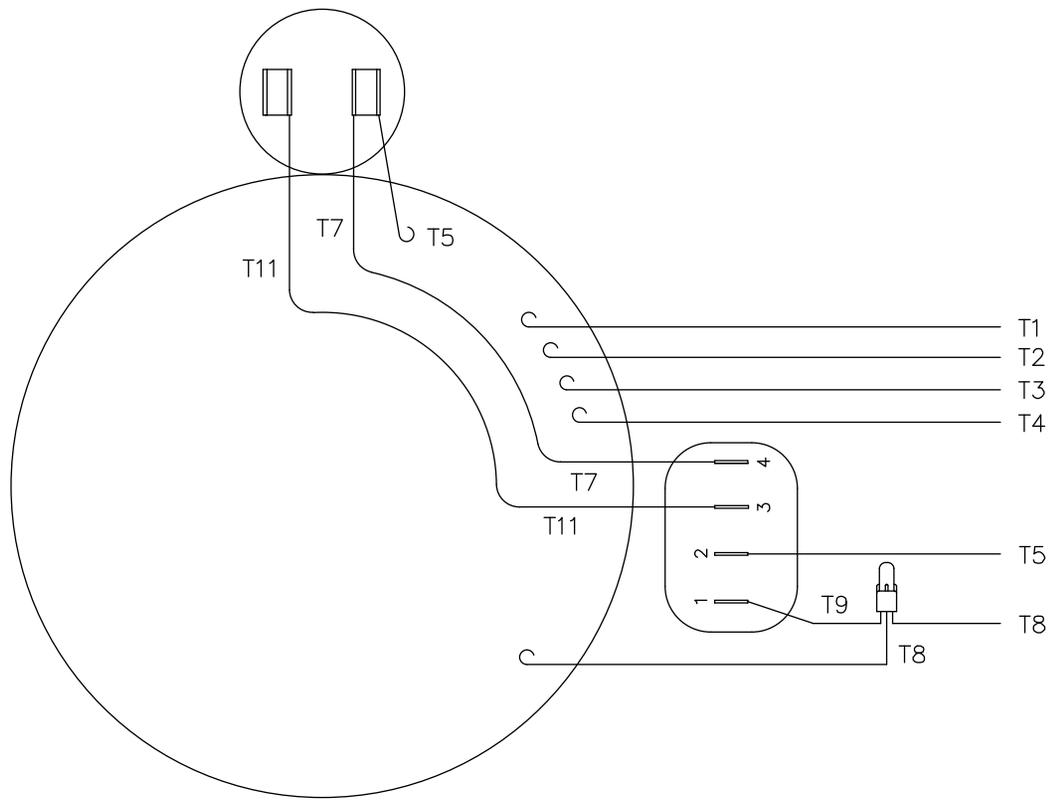
**WASHGUARD MOTOR**

SPECIAL FEATURES:

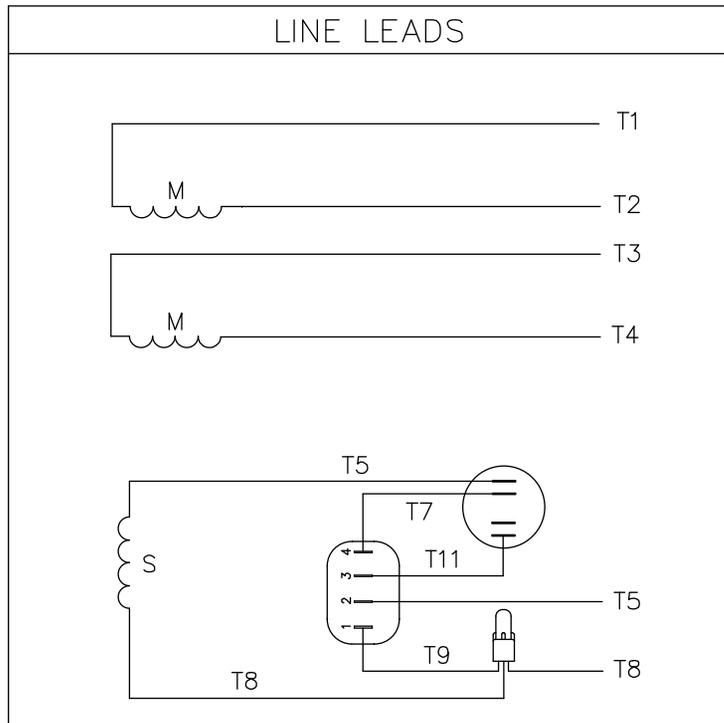
1. SHAFT SEALS & V-RING.
2. PLUGGED DRAIN HOLES IN ENDBELLS & CONDUIT BOX.
3. BUNA-N GASKETS THROUGHOUT.
4. STAINLESS STEEL SHAFT, HARDWARE & NAMEPLATE.
5. SOLID STATE SWITCH MOUNTED TO CONDUIT BOX.

DASH NO.	"C"	"AD"	"XO"	DASH NO.	"C"	"AD"	"XO"
650A	12.37	4.00	2.00	650B	12.37	4.00	2.25
700A	12.87	4.50	2.00	700B	12.87	4.50	2.25
750A	13.37	5.00	2.00	750B	13.37	5.00	2.25
800A	13.87	5.50	2.00	800B	13.87	5.50	2.25
850A	14.37	6.00	2.00	850B	14.37	6.00	2.25

DRAWING REVISION C	REVISION BY SRIKANTH	REV DATE/© DATE 12/20/2022	TOLERANCES (EXCEPT AS NOTED): DEC. INCH mm ANGLE .X $\pm 0.1$ [ $\pm 3$ ] $\pm 0.5^\circ$ .XX $\pm 0.03$ [ $\pm 0.8$ ] .XXX $\pm 0.005$ [ $\pm 0.13$ ] .XXXX $\pm 0.0005$ [ $\pm 0.013$ ]	DRAWN BY PG	Regal Beloit America, Inc.
REQUEST NUMBER ECR-0222863	APPROVED BY ARUN	DATE 12/20/2022	REMOVE BURRS & BREAK SHARP EDGES: .003/.015 [.08/.38] X 45° CORNER FILLETS: R.02 [.5] MACHINED SURFACES: 125 $\sqrt{3.2}$ INCH $\sqrt{mm}$ mm DIMENSIONS IN [BRACKETS] ARE FOR REFERENCE ONLY	DATE 02/08/11	
REQUEST NUMBER DESCRIPTION UPDATED SS SWITCH AND GASKET				APPROVED BY	DESCRIPTION
COPYRIGHT (PER REVISION DATE) REGAL BELOIT AMERICA, INC. ALL RIGHTS RESERVED. PROPRIETARY AND CONFIDENTIAL INFORMATION - THIS DOCUMENT IS THE PROPERTY OF REGAL BELOIT AMERICA, INC. ("OWNER") AND CONTAINS OWNER'S PROPRIETARY INFORMATION. ANY PERSON, CORPORATION OR OTHER FIRM RECEIVING IT IS DEEMED, BY RECEIVING IT, TO AGREE THAT IT, AND/OR ANY PART OF IT, SHALL NOT BE DISCLOSED TO ANY PERSON, CORPORATION OR OTHER ENTITY, DUPLICATED, AND/OR USED, EXCEPT AS EXPRESSLY APPROVED IN WRITING IN ADVANCE BY OWNER. THIS DOCUMENT SHALL BE RETURNED TO OWNER UPON REQUEST. IT MAY BE SUBJECT TO CERTAIN RESTRICTIONS UNDER APPLICABLE EXPORT CONTROL LAWS AND REGULATIONS.				DATE	OUTLINE TEFC - RICID "C" FACE
				REFERENCE 028868	MATERIAL WASHGUARD
				THIRD ANGLE PROJECTION	PROCESS/FINISH
				SIZE B	DRAWING NUMBER 607-0009
					SHEET 1 OF 1



VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN & INSULATE
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	

				TOLERANCES UNLESS OTHERWISE SPECIFIED		<b>LEESON</b> ELECTRIC CORPORATION				
				DECIMALS						
				.00	± .01	DRAWN	TITLE			
				.000	± .005	CH'K'D.	EXTERNAL WIRING DIAGRAM TYPE "C" W/O PROTECTOR			
01	ADDED DECAL FOR STOCK MOTORS ECR 0042509	GWS	9/10/13	.0000	± .0005	APPR.	MAT'L. DECAL - 004012			
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64	SCALE	STOCK MOTORS TO USE DECAL 214-0122-001			
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				ANGLES	± 1/2*	REF.	005278-01	FINISH	SIZE	DRAWING NO.
				INCH/MM		FMF	131571	STANDARD	A	005278-07



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

**CERTIFICATION DATA SHEET**

**CONN. DIAGRAM:** 005278.07  
**OUTLINE:** 607-0009-750A  
**WINDING #:** C632213 FR 3 A

**CATALOG #:** 114637.00  
**MOUNTING:** F1 ONLY

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56HC	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	46 LBS.

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

DE BRACKET TYPE	ODE BRACKET TYPE	MOUNT TYPE	ORIENTATION	SEVERE DUTY	HAZARDOUS LOCATION	DRIP COVER	SCREENS	PAINT
C-FACE	STANDARD	RIGID	HORIZONTAL	FALSE	NONE	FALSE	NONE	WHITE - LEESON (EPOXY)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	STANDARD 56	NONE	NONE	303 STAINLESS (C-501)	ROLLED STEEL
6205	6203						

THERMO-PROTECTORS				THERMISTORS	CONTROL	SPACE HEATERS
THERMOSTATS	PROTECTORS	WDG RTDs	BRG RTDs			
NONE	NOT	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



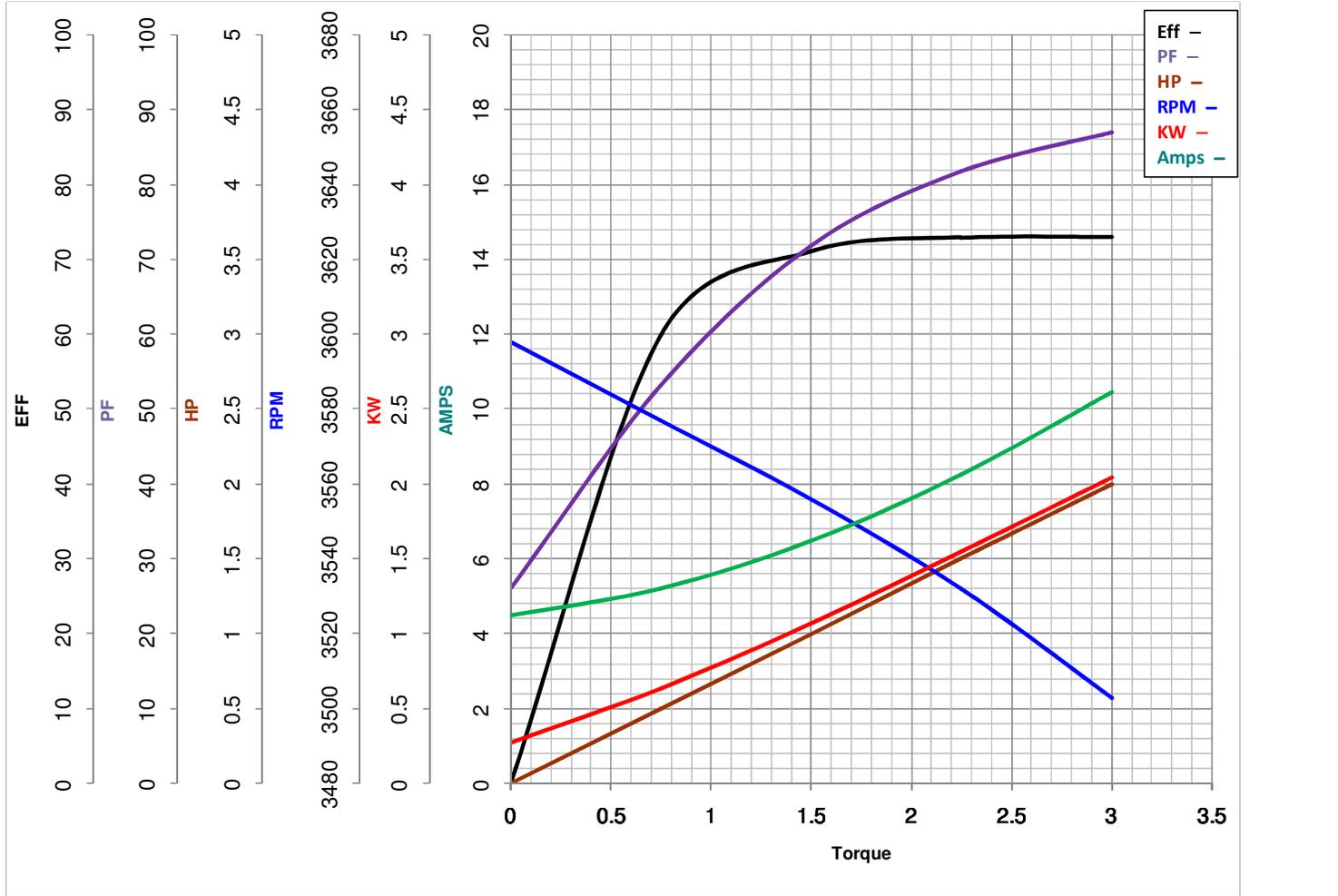
**LEESON ELECTRIC CORPORATION**  
TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 114637.00

Catalog No 114637.00

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 3/26/2018