

PRODUCT INFORMATION PACKET



Model No: 113959.00
Catalog No: 113959.00
Jet Pump Motor, 2 HP, 1 Ph, 60 Hz, 115/230 V, 3600 RPM, 56J Frame, TEFC

Operational at 115/208-230 V @60HZ



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Nameplate Specifications

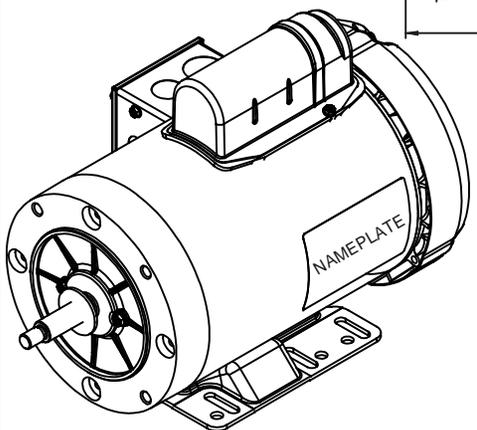
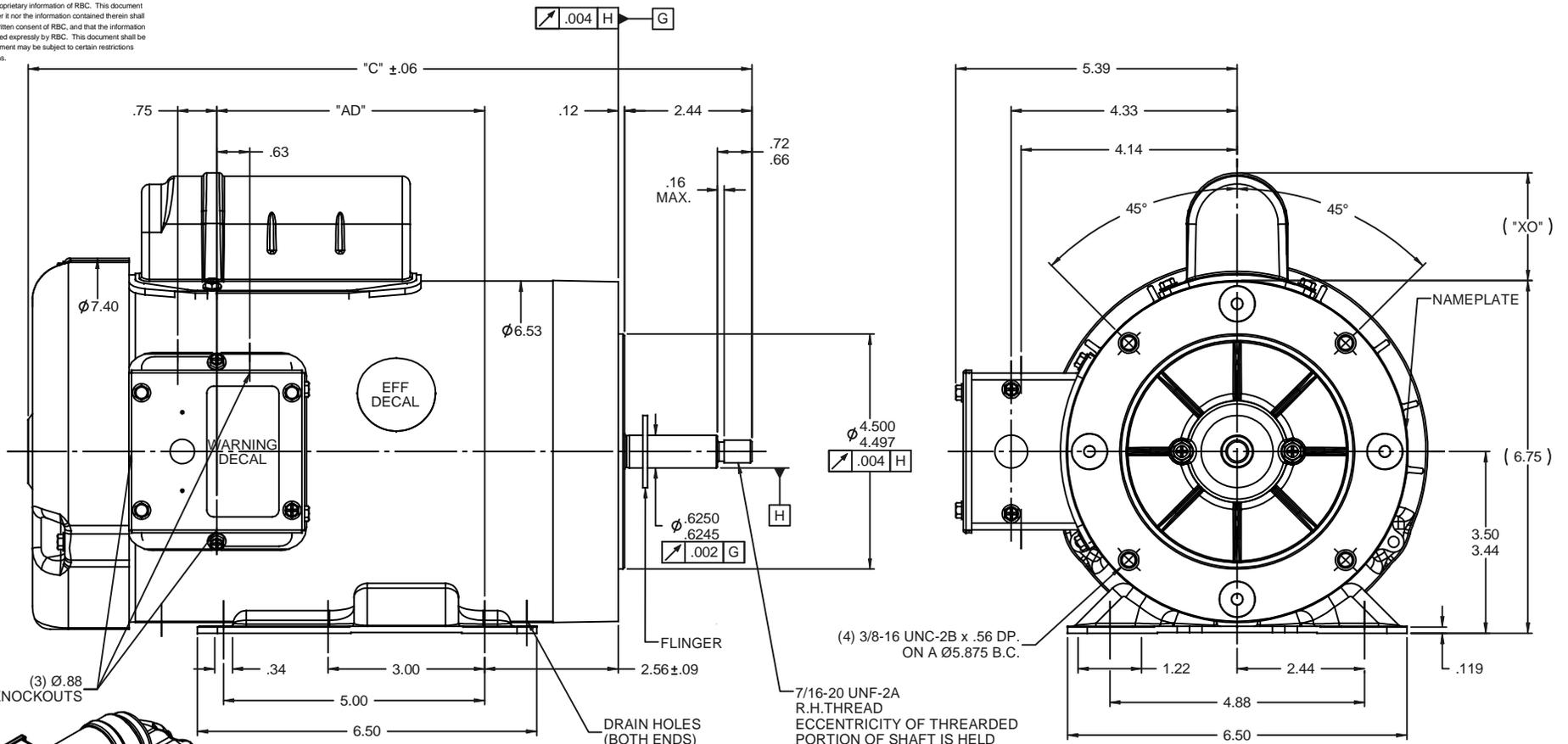
Phase	1	Output HP	2 Hp
Output KW	1.5 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.00
Frame	56J	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Automatic	Efficiency	73 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	20.0/10.0 A	Power Factor	87
Duty	Continuous	Insulation Class	F
Design 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	Fixed Clockwise
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	J	Overall Length	13.86 in
Frame Length	8.00 in	Shaft Diameter	0.625 in
Shaft Extension	2.44 in	Assembly/Box Mounting	F1 ONLY
Outline Drawing	028923-800B	Connection Drawing	005331.01

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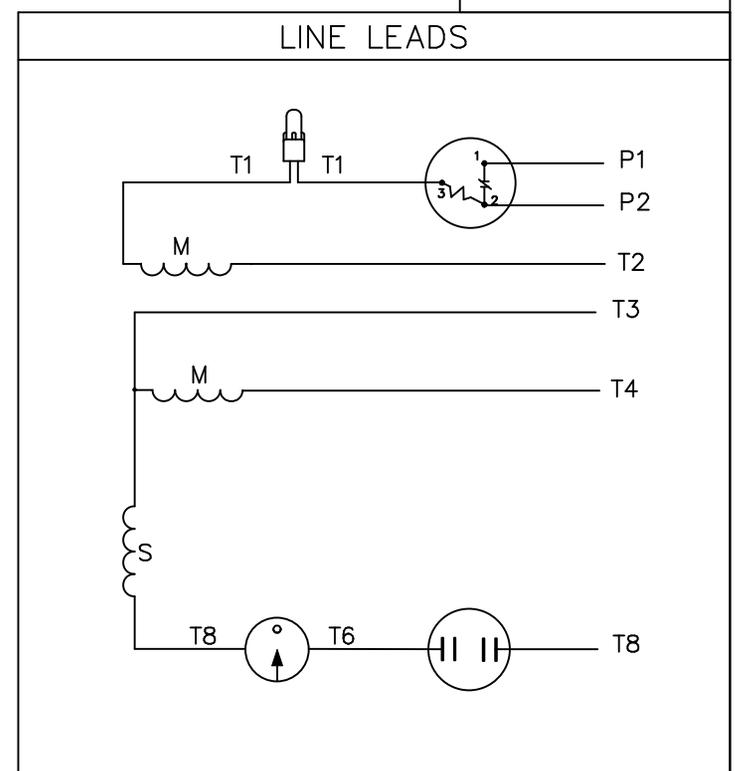
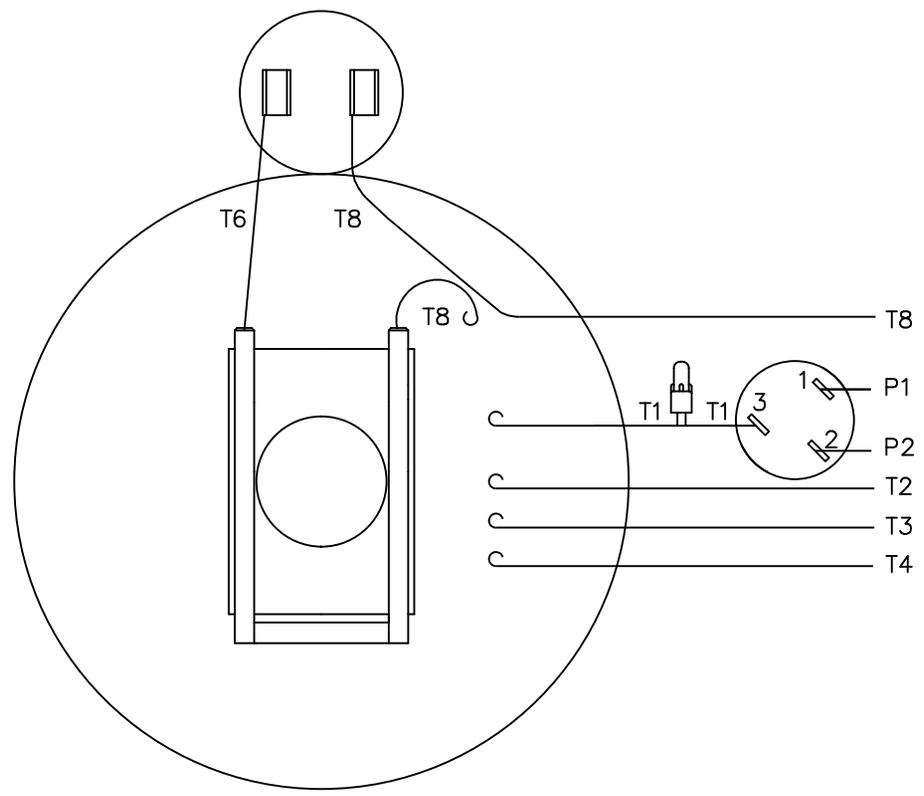


DASH NO.	"C"	"AD"	CAP. DASH	"XO"
650	12.36	3.63		
700	12.86	4.13		
750	13.36	4.63	A	1.54
800	13.86	5.13	B	2.01
850	14.36	5.63	C	2.25

NOTES:
 1) GASKETS THROUGHOUT

REVISION		BY & DATE	CHK	ANG	±1/2"	FINISH	ELECTRIC MOTORS GEARMOTORS AND DRIVES		DRAWN	GRB 12/15/08
THIRD ANGLE PROJECTION			RFP	12/15/08	PREV			ELECTRIC MOTORS GEARMOTORS AND DRIVES	CHK	DJ 12/15/08
									APP	DJ 12/15/08
									SCALE	1:2
									REF	028651
									FMF	113959.00
									PAGE	1 OF 1
									SIZE	DRAWING NO
									B	028923
										REV

VIEW FROM OUTSIDE OF MOTOR AT SWITCH END.



	ROTATION FACING LEAD END	L1	L2	JOIN	INSULATE SEPARATELY
HIGH VOLT	C.W.	P1	T4 T8	T2,T3	P2
LOW VOLT	C.W.	P1	T4,T2 T8	P2,T3	----

TOLERANCES UNLESS OTHERWISE SPECIFIED	
DECIMALS	
.00	± .01
.000	± .005
.0000	± .0005
FRACTIONS	
	± 1/64

LEESON ELECTRIC CORPORATION

DRAWN EJM 03/25/91	TITLE EXTERNAL WIRING DIAGRAM TYPE "C" W/PROTECTOR
CH'K'D. RLP 03/25/91	
APPR. SJB 03/25/91+	

MAT'L. DECAL - 080393

NO.	REVISION	BY	DATE
03	REDRAWN TO CURRENT STANDARDS	DBT	06/05/97

ANGLES	± 1/2°
INCH/MM	

REF. 005030.02	FINISH STOCK
FMF 6C34FC43	

SIZE A	DRAWING NO. 005331-01

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CERTIFICATION DATA SHEET

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

CONN. DIAGRAM: 005331.01

CATALOG #: 113959.00

OUTLINE: 028923-800B

MOUNTING: F1 ONLY

WINDING #: C632213 FR 4 A

TYPICAL MOTOR PERFORMANCE DATA

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
2	1.49	3600	3450	56J	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	BLUE - LEESON (ENAMEL)

BEARINGS		GREASE	SHAFT TYPE	SPECIAL DE	SPECIAL ODE	SHAFT MATERIAL	FRAME MATERIAL
DE	ODE						
BALL	BALL	POLYREX EM	JET PUMP	NONE	NONE	416 STAINLESS (C-503)	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
S

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



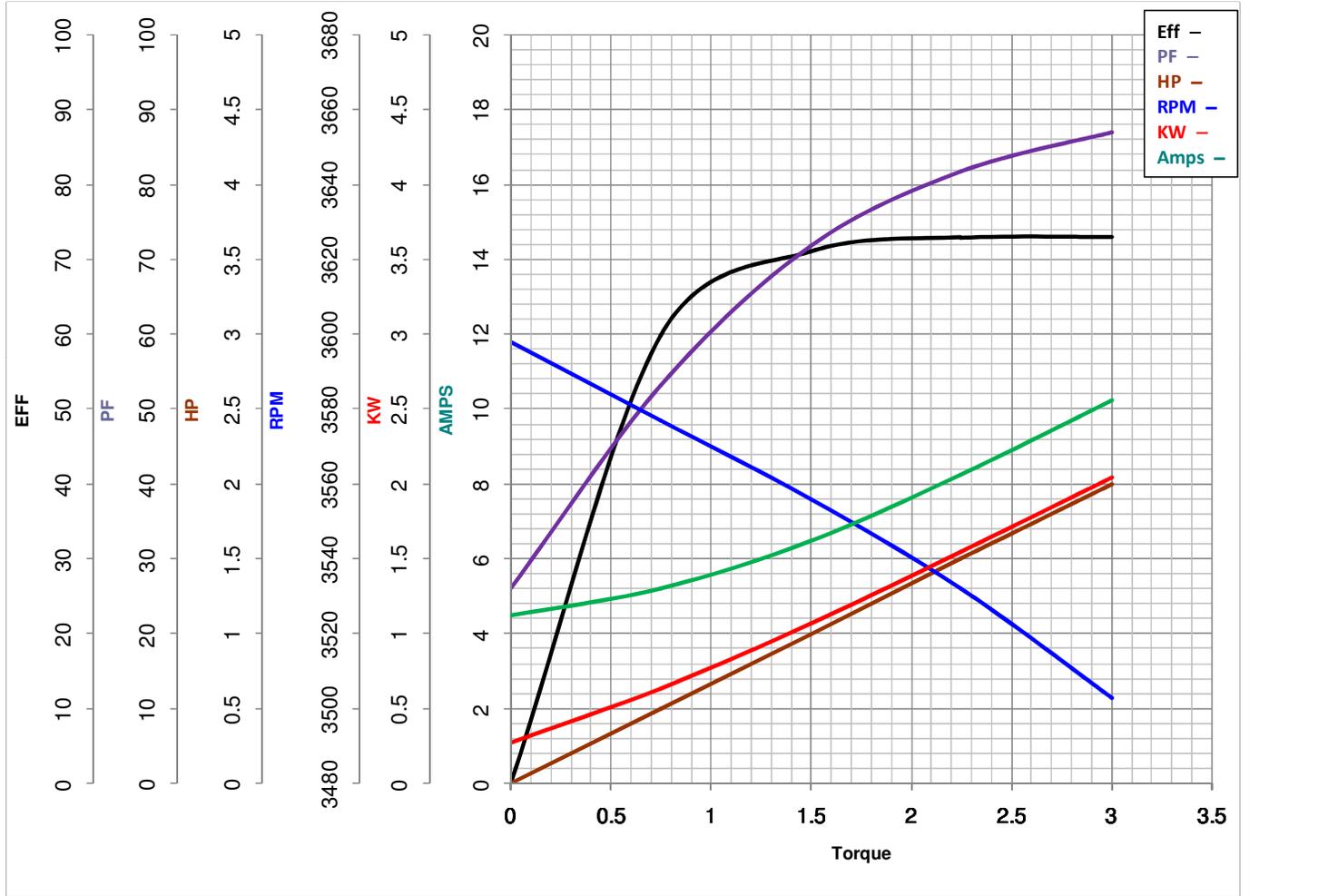
LEESON ELECTRIC CORPORATION
 TYPICAL PERFORMANCE CURVE for AC MOTOR

Model No 113959.00

Catalog No 113959.00

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	<u>3</u>	Lb.Ft	FL AMPS	<u>20/11.4-10</u>
BD TORQUE	<u>7.8</u>	Lb.Ft	PU TORQUE	<u>7.0</u> Lb.Ft
LR TORQUE	<u>7.5</u>	Lb.Ft	LR AMPS	<u>64.4</u>
WINDING	C632213-4		Date	5/2/2018