

# PRODUCT INFORMATION PACKET



Model No: 113955.00  
Catalog No: 113955.00  
Jet Pump Motor, 0.50 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

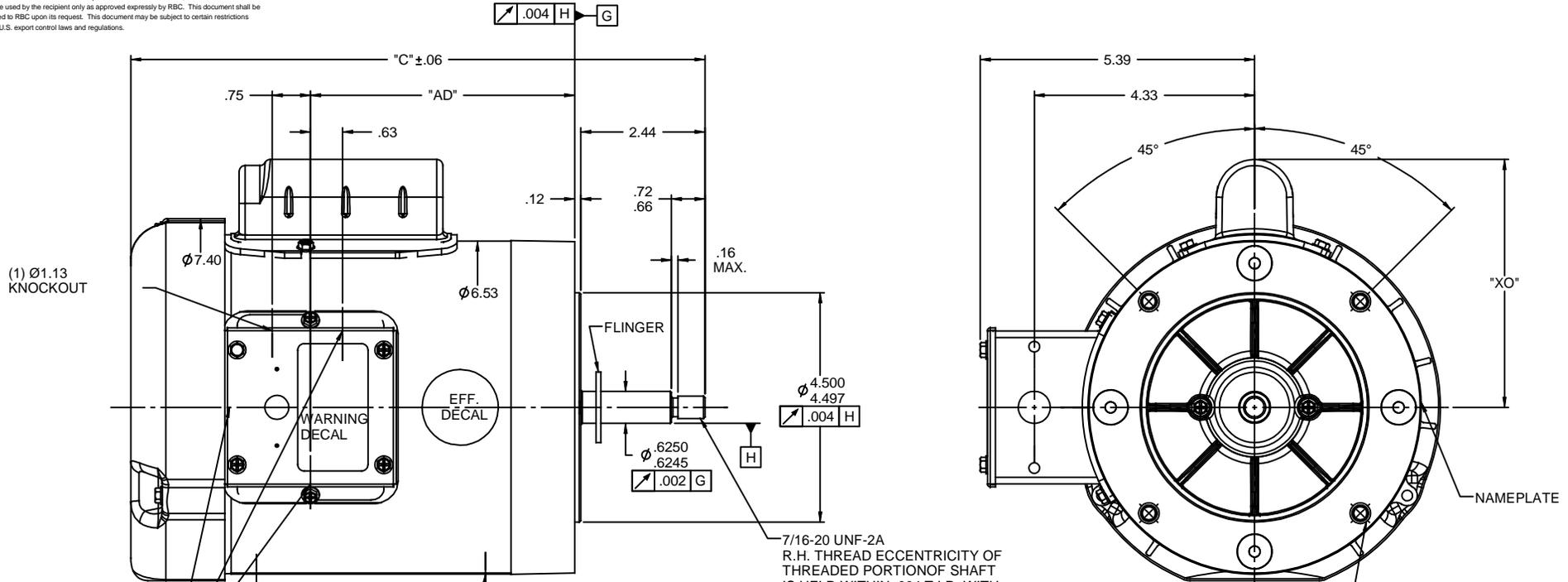
Phase	1	Output HP	0.50 Hp
Output KW	0.37 kW	Voltage	115/230 V
Speed	3450 rpm	Service Factor	1.60
Frame	56J	Enclosure	Totally Enclosed Fan Cooled
Thermal Protection	Automatic	Efficiency	63 %
Ambient Temperature	40 °C	Frequency	60 Hz
Current	7.6/3.8 A	Power Factor	70
Duty	Continuous	Insulation Class	B
Design Code	N	KVA Code	M
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

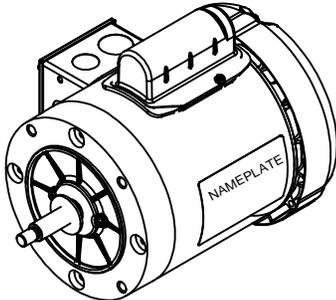
Electrical Type	Capacitor Start Induction Run	Starting Method	Across The Line
Poles	2	Rotation	Fixed Clockwise
Resistance Main	4.42 Ohms	Mounting	Round
Motor Orientation	Horizontal	Drive End Bearing	Ball
Opp Drive End Bearing	Ball	Frame Material	Rolled Steel
Shaft Type	J	Overall Length	11.28 in
Frame Length	5.50 in	Shaft Diameter	0.625 in
Shaft Extension	2.44 in	Assembly/Box Mounting	F1 ONLY
Connection Drawing	005330.02	Outline Drawing	028869-550A

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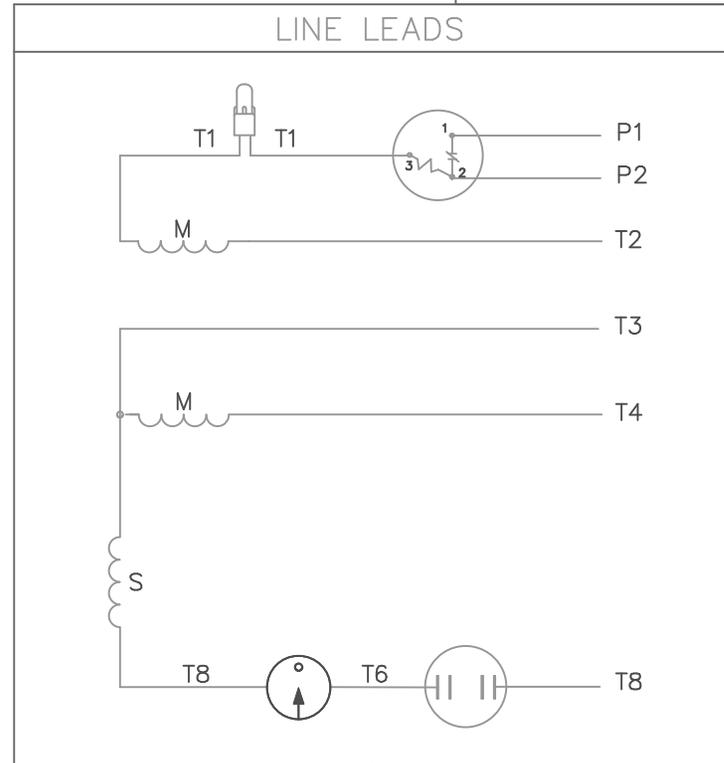
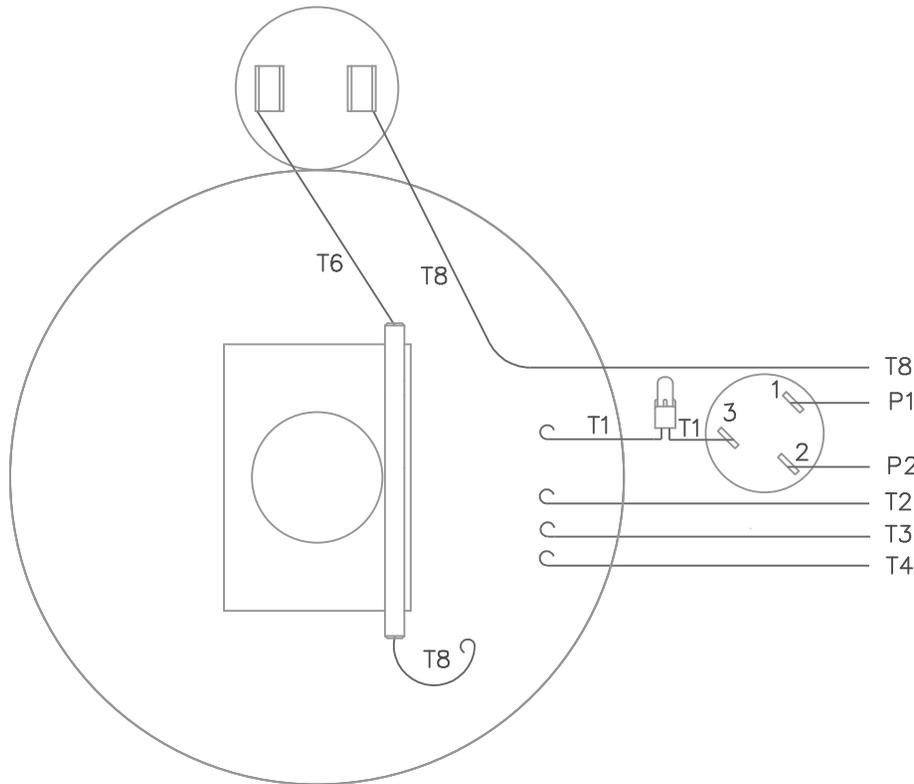
DASH NO.	"C"	"AD"	CAP.	"XO"
500	10.78	4.69	A	4.87
550	11.28	5.19	B	5.34
600	11.78	5.69	C	5.57
650	12.28	6.19		
700	12.78	6.69		
750	13.28	7.19		
800	13.78	7.69		
850	14.28	8.19		



NOTES:  
GASKETS THROUGHOUT

TOLERANCES UNLESS SPECIFIED		LEESON ELECTRIC MOTORS GEARMOTORS AND DRIVES	DRAWN GRB_08/18/2008
DEC	INCHES		
X	±.1	APPR	
.XX	±.03	TITLE	OUTLINE - 56J FRAME
.XXX	±.005	REF	TEFC - "C" FACE
.XXXX	±.0005	MATL	JET PUMP
NO	REVISION	BY & DATE	CHK ANG ±7'30"
			FINISH
			RFP 08/18/2008
			PREV
			SIZE
			DRAWING NO
			B
			028869
			PAGE 1 OF 1
			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	T2,T4 T8	P2,T3	--

				TOLERANCES UNLESS OTHERWISE SPECIFIED	
				DECIMALS	
				.00	± .01
				.000	± .005
2	REDRAWN ON CAD	DBT	06/06/97	.0000	± .0005
NO.	REVISION	BY	DATE	FRACTIONS	± 1/64
				ANGLES	± 1/2°
				INCH/MM	

**LEESON** ELECTRIC CORPORATION

DRAWN EJM 03/04/91	TITLE	EXT. WIRING DIAGRAM TYPE "C" W/PROTECTOR
CH'K'D. SJB 03/08/91	MAT'L.	DECAL - 080393
APPR. RPB 03/08/91	SCALE	1=1
REF. 005043.01	FINISH	SIZE A
FMF 6C34FK49		DRAWING NO. 005330-02

BRF

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

**CERTIFICATION DATA SHEET**

**CATALOG #:** 113955.00

**CONN. DIAGRAM:** 005330.02

**OUTLINE:** 028869-550A

**MOUNTING:** F1 ONLY

**WINDING #:** C632209 FR 4 A

**TYPICAL MOTOR PERFORMANCE DATA**

HP	kW	SYNC. RPM	F.L. RPM	FRAME	ENCLOSURE	KVA CODE	DESIGN
1/2	0.37	3600	3450	56J	TEFC	M	N

PH	Hz	VOLTS	AMPS	START TYPE	DUTY	INSL	S.F.	AMB°C
1	60	115/208-230	7.6/4-3.8	ACROSS THE LINE	CONTINUOUS	B4	1.6	40

FULL LOAD EFF:	63	3/4 LOAD EFF:	59.3	1/2 LOAD EFF:	51.1	GTD. EFF	ELEC. TYPE
FULL LOAD PF:	70	3/4 LOAD PF:	61.6	1/2 LOAD PF:	51.6	59.5	CAP START IND RUN

F.L. TORQUE	LOCKED ROTOR AMPS	L.R. TORQUE	B.D. TORQUE	F.L. RISE°C
12.09 OZ-FT	44 / 22	45 OZ-FT 375 %	32 OZ-FT 267 %	46

SOUND PRESSURE @ 3 FT.	SOUND POWER	ROTOR WK^2	MAX. WK^2	SAFE STALL TIME	STARTS / HOUR	APPROX. MOTOR WGT
0 dBA	10 dBA	0.03 LB-FT^2	0 LB-FT^2	0 SEC.	0	25 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	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

<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

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