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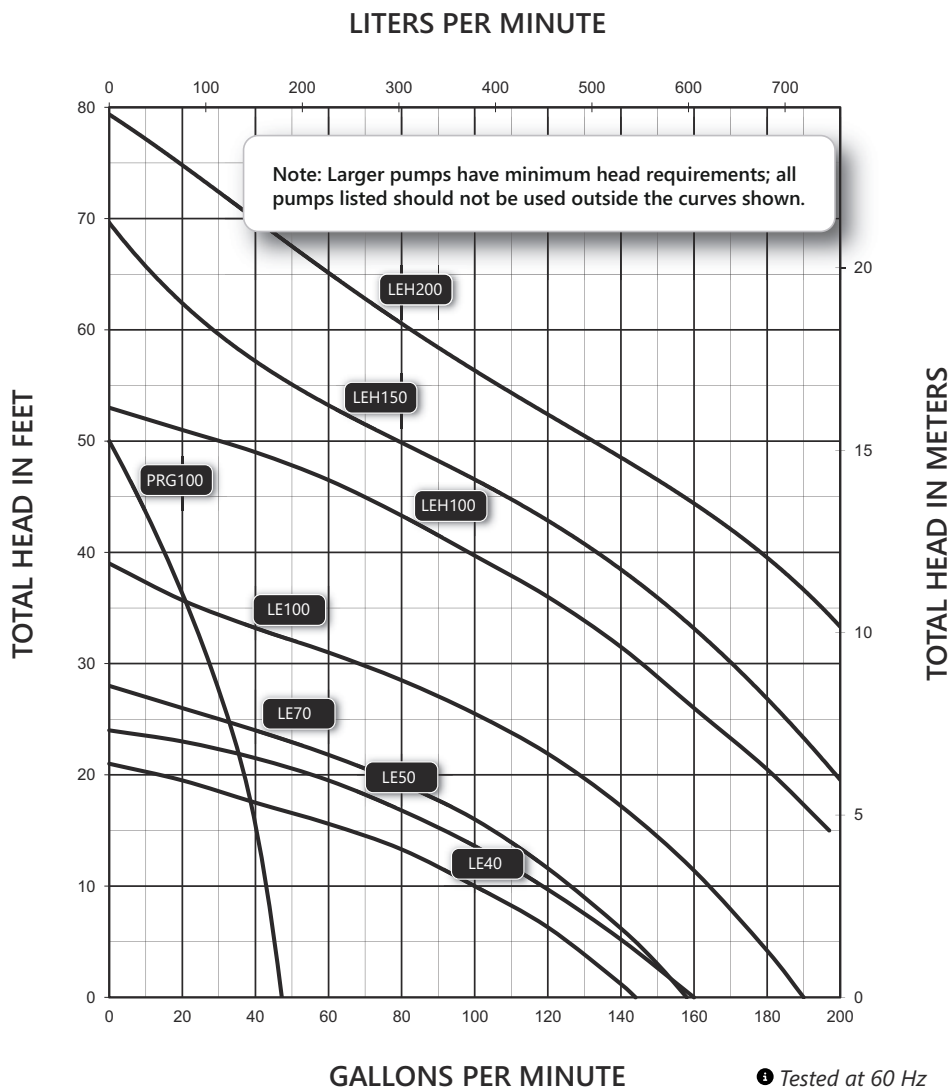
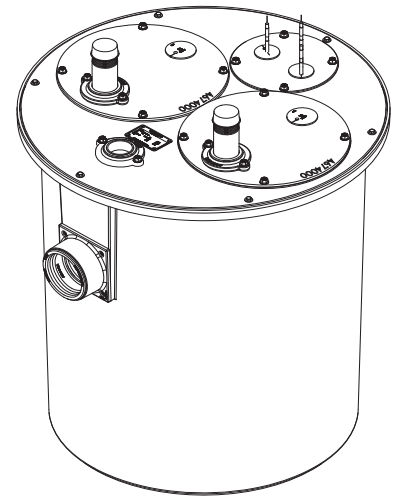
System Specifications

1100-Series

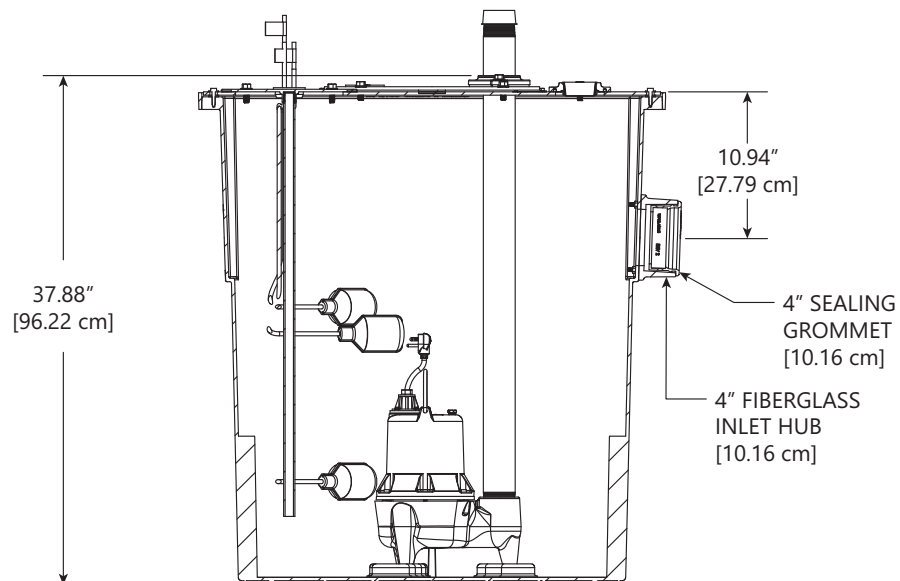
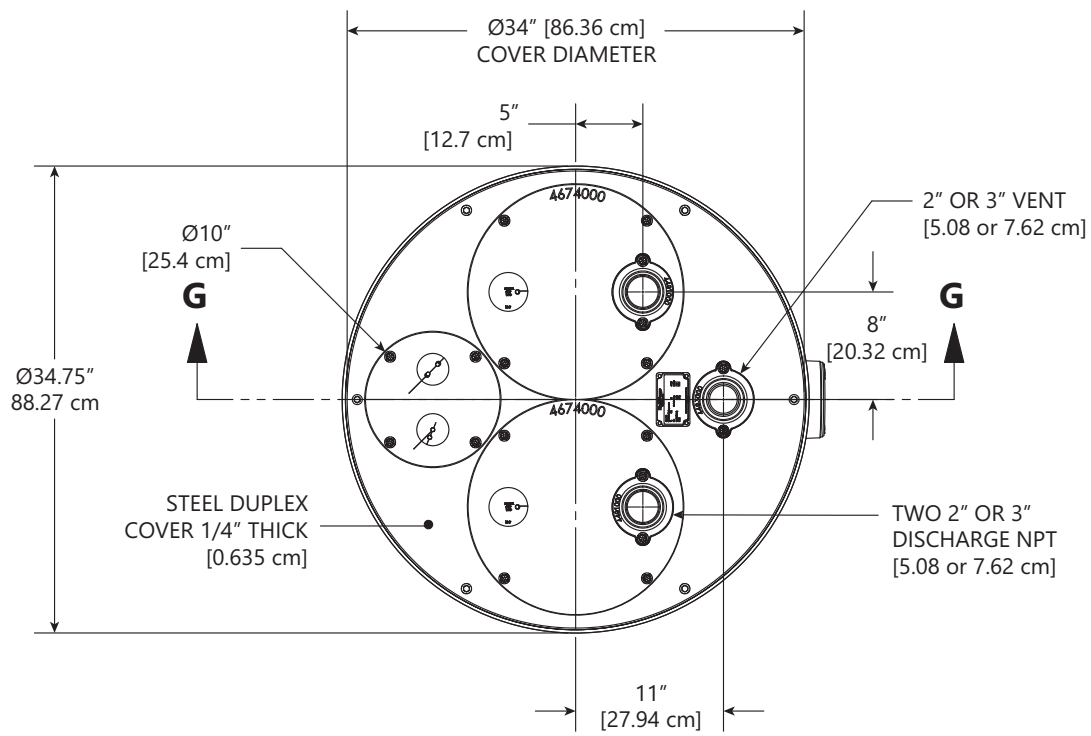
Pre-assembled Duplex Sewage System

30" x 36", 110 Gallon

Indoor Use ONLY



1100-Series Dimensional Data



SECTION **G-G**

1100-Series Electrical Data

MODEL	HP	VOLTAGE	PHASE	SF	FULL LOAD AMPS ¹	LOCKED ROTOR AMPS ¹	THERMAL OVERLOAD TEMP	INSULATION CLASS	DISCHARGE	AUTOMATIC
1102/LE41M	4/10	115	1	1.0	12	22.5	105°C / 221°F	B	2"	NO
1102/LE51M	1/2	115	1	1.0	12	22.5	105°C / 221°F	B	2"	NO
1102/LE52M	1/2	208-230	1	1.0	6.8	12	105°C / 221°F	B	2"	NO
1102/LE71M	3/4	115	1	1.0	12	29.1	105°C / 221°F	B	2"	NO
1102/LE72M	3/4	208-230	1	1.0	6	13.5	105°C / 221°F	B	2"	NO
1102/LE73M	3/4	208-230	3	1.0	4.1	14.7	N/A	B	2"	NO
1102/LE74M	3/4	440-480	3	1.0	2.1	7.4	N/A	B	2"	NO
1102/LE102M	1	208-230	1	1.0	8	22.3	105°C / 221°F	B	2"	NO
1102/LE103M	1	208-230	3	1.0	5.3	18.3	N/A	B	2"	NO
1102/LE104M	1	440-480	3	1.0	2.5	9.2	N/A	B	2"	NO
1102/LE105M	1	575	3	1.0	1.9	7.1	N/A	B	2"	NO
1102/LEH102M	1	230	1	1.0	12	28.6	120°C / 248°F	B	2"	NO
1102/LEH103M	1	208-230	3	1.0	9	32.4	N/A	B	2"	NO
1102/LEH104M	1	440-480	3	1.0	4.5	16.2	N/A	B	2"	NO
1102/LEH105M	1	575	3	1.0	3.3	12.8	N/A	B	2"	NO
1102/LEH152M	1-1/2	208-230	1	1.0	15	53	135°C / 275°F	B	2"	NO
1102/LEH153M	1-1/2	208-230	3	1.0	10.6	61	N/A	B	2"	NO
1102/LEH154M	1-1/2	440-480	3	1.0	5.3	31	N/A	B	2"	NO
1102/LEH155M	1-1/2	575	3	1.0	4.8	24	N/A	B	2"	NO
1102/LEH202M	2	230	1	1.0	18	53	135°C / 275°F	B	2"	NO
1102/LEH203M	2	208-230	3	1.0	13.2	61	N/A	B	2"	NO
1102/LEH204M	2	440-480	3	1.0	6.6	31	N/A	B	2"	NO
1102/LEH205M	2	575	3	1.0	5.5	24	N/A	B	2"	NO
1102/PRG101M ²	1	115	1	1.0	12	47.5	105°C / 221°F	B	2"	NO
1102/PRG102M ²	1	230	1	1.0	6	23.7	105°C / 221°F	B	2"	NO

MODEL	HP	VOLTAGE	PHASE	SF	FULL LOAD AMPS ¹	LOCKED ROTOR AMPS ¹	THERMAL OVERLOAD TEMP	INSULATION CLASS	DISCHARGE	AUTOMATIC
1103/LE41M	4/10	115	1	1.0	12	22.5	105°C / 221°F	B	3"	NO
1103/LE51M	1/2	115	1	1.0	12	22.5	105°C / 221°F	B	3"	NO
1103/LE52M	1/2	208–230	1	1.0	6.8	12	105°C / 221°F	B	3"	NO
1103/LE71M	3/4	115	1	1.0	12	29.1	105°C / 221°F	B	3"	NO
1103/LE72M	3/4	208–230	1	1.0	6	13.5	105°C / 221°F	B	3"	NO
1103/LE73M	3/4	208–230	3	1.0	4.1	14.7	105°C / 221°F	B	3"	NO
1103/LE74M	3/4	440–480	3	1.0	2.1	7.4	105°C / 221°F	B	3"	NO
1103/LE102M	1	208–230	1	1.0	8	22.3	105°C / 221°F	B	3"	NO
1103/LE103M	1	208–230	3	1.0	5.3	18.3	N/A	B	3"	NO
1103/LE104M	1	440–480	3	1.0	2.5	9.2	N/A	B	3"	NO
1103/LE105M	1	575	3	1.0	1.9	7.1	N/A	B	3"	NO
1103/LEH102M	1	230	1	1.0	12	28.6	120°C / 248°F	B	3"	NO
1103/LEH103M	1	208–230	3	1.0	9	32.4	N/A	B	3"	NO
1103/LEH104M	1	440–480	3	1.0	4.5	16.2	N/A	B	3"	NO
1103/LEH105M	1	575	3	1.0	3.3	12.8	N/A	B	3"	NO
1103/LEH152M	1-1/2	208–230	1	1.0	15	53	135°C / 275°F	B	3"	NO
1103/LEH153M	1-1/2	208–230	3	1.0	10.6	61	N/A	B	3"	NO
1103/LEH154M	1-1/2	440–480	3	1.0	5.3	31	N/A	B	3"	NO
1103/LEH155M	1-1/2	575	3	1.0	4.8	24	N/A	B	3"	NO
1103/LEH202M	2	230	1	1.0	18	53	135°C / 275°F	B	3"	NO
1103/LEH203M	2	208–230	3	1.0	13.2	61	N/A	B	3"	NO
1103/LEH204M	2	440–480	3	1.0	6.6	31	N/A	B	3"	NO
1103/LEH205M	2	575	3	1.0	5.5	24	N/A	B	3"	NO

- 1 Amperage values are for **each pump**. Electrical service shall be sized to support both pumps running simultaneously.
- 2 All the models with a 2" discharge are solids handling pumps **with the exception of** the two PRG models, which are grinder pumps.

1100-Series Technical Data

SYSTEM	BASIN	STRUCTURAL FOAM
	COVER	POWDER-COATED STEEL
	GUIDE RAIL	NONE – PUMPS PULL OUT WITH COVER
	INSPECTION COVER	10" [25.4 CM] STEEL WITH INTEGRAL FLOAT TREE
	INLET HUB	4" [10.16 CM] (PRE-ASSEMBLED)
	DISCHARGE PIPING	SCHEDULE 80 PVC (GALVANIZED OR STAINLESS STEEL OPTIONAL)
	PUMP RESTRAINT	TORQUE-STOPS SECURE PUMP LEGS
	CONTROL PANELS	DUPLEX - INDOOR OR OUTDOOR ALARM WITH VISUAL AND AUDIBLE (80 dBi) ALARM

1100-Series Specifications

1.01 SYSTEM

The duplex ejector system shall be (2) of model _____ as manufactured by Liberty Pumps, Bergen, NY or equal. The system shall be factory pre-assembled with pumps, discharge pipe nipples, and floats pre-mounted in the basin. Volume per pump cycle shall be factory set at 28 US gallons. Floats shall be tethered to a removable standpipe/access cover assembly.

System is restricted to indoor use only.

2.01 BASIN

The basin shall be constructed of structural foam. Dimensions shall be 30" [76.2 cm] diameter x 36" [91.44 cm] deep and shall have a total capacity of 110 US gallons. The inlet hub shall be 4" [10.16 cm] and pre-assembled to basin. The basin shall have "torque-stops" to locate and retain the pump in its proper position.

3.01 COVER

The cover shall be "heavy-duty" 1/4" [0.635 cm] steel plate, enamel-coated on both sides. The cover shall be 34" [86.36 cm] in diameter and have _____ (2" or 3") [5.08 or 7.62 cm] discharges and vent flange. The cover shall be fitted with two 16" [40.6 cm] diameter pump openings, and one 10" [25.4 cm] diameter inspection cover with integral standpipe for float tethering. All cover hardware shall be stainless steel.

4.01 PUMP

See specific LE, LEH, or PRG-Series literature for pump performance and technical specifications.

5.01 CONTROLS

The pump shall be controlled with:

- _____ A NEMA 4X outdoor duplex control panel with three float switches including a high water alarm
- _____ A NEMA 1 indoor duplex control panel with three float switches including a high water alarm
- _____ A NEMA 4X outdoor duplex control panel with four float switches including a high water alarm
- _____ A NEMA 1 indoor duplex control panel with four float switches including a high water alarm

6.01 WARRANTY

Standard limited warranty shall be 3 years.