

Liberty Pumps®

A Family and Employee Owned Company

50 Hz
Products

Sump Pumps

Drain Pumps

Effluent Pumps

Sewage Pumps

Grinder Pumps

Packaged Systems

Engineered Pump
Systems (EPS)

Over 90% of Liberty Pumps
products are proudly made
in the USA using US
and global components.

ISO 9001
Registered Company

innovate.
evolve.

Conversion to metric measurements is accurate although approximated.

CONDENSATE PUMPS



LCU-220S shown

LCU-SP220S shown

LCU-220S and LCU-SP220S Shallow Pan Condensate Pumps

Width: 5" (13 cm) Length: 11" (28 cm)

Height: 6" (17 cm) (LCU220S)

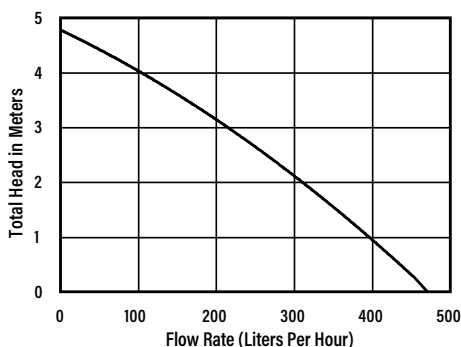
5" (13 cm) (LCU-SP220S)

For removal of condensate from A/C equipment, high efficiency furnaces, ice makers, drinking fountains, dehumidifiers and other equipment. Completely automatic with a safety switch to shut down equipment in the event of failure.

Features:

- High impact ABS tank
- 3 Intake holes
- Barbed outlet for 3/8" (9.5 mm) I.D. tube
- Built-in check valve (removable)
- Wall mounts
- Stainless steel shaft
- Compact shallow design
- Safety switch
- 230V

PERFORMANCE CURVE



LCU-N Series Neutralizing Condensate Pump

For neutralization and removal of acidic condensate produced by high-efficiency combustion equipment. When not neutralized, acidic condensate has the potential to harm the environment and any plumbing it comes in contact with due to its acidic nature.

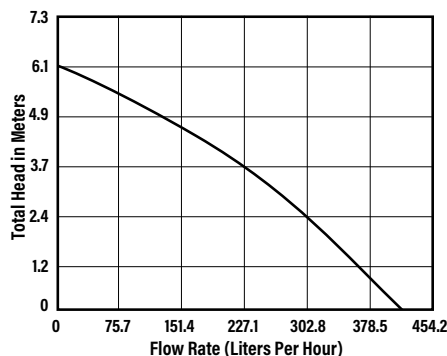
Features:

- High impact ABS tank
- Three 1" (25 mm) standard condensate inlet holes
- 3/8" (9.5 mm) O.D. barbed and threaded discharge connection for neutralized condensate
- One 1" (25 mm) hole and a 3/4" (19 mm) NPT inlet for acidic condensate
- Removable check valve
- Built-in overflow safety switch
- Includes 20' (6 meters) of tubing
- Pellet media is a granular form of magnesium oxide 5/16" - 3/8" (8-10 mm)
- 230V

Model:

LCU-N220ST

PERFORMANCE CURVE



LCU-PR Series Plenum Rated Condensate Pump

Designed for removal of condensate from air conditioning, refrigeration, and dehumidification equipment installed in air-handling and plenum applications having limited space.

The LCU-PR meets UL Standard 2043 for plenum applications.

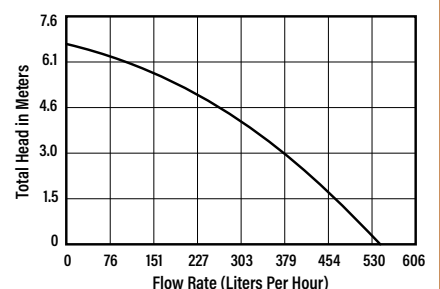
Features:

- Plenum rated
- Indicator lights
- Overflow safety switch
- Four inlets
- Vibration dampening feet and motor mounts
- 230V

Models:

LCU-PR220S

PERFORMANCE CURVE



CONDENSATE PUMPS



LCU-MS & LCU-MS2 Mini-Split Condensate Pump

For removal of condensate from wall mount, ductless mini-split air conditioners up to 23,500 Btu (7 kW), fan coils, and suspended ceiling air conditioners.

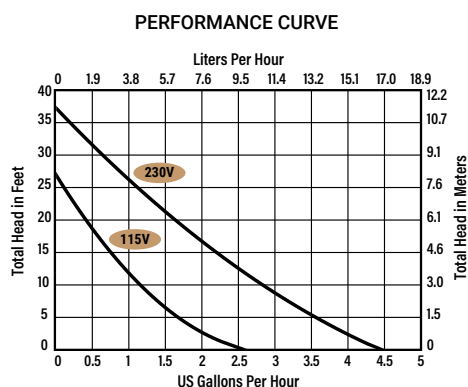
Features:

- Quiet operation
- Solid-state switch technology
- Normally-closed relay rated at 3A resistive - 250V
- Adhesive hook and loop tape, double-sided foam tape, and zip ties are supplied to secure pump and reservoir
- Clear reservoir allows visual inspection of water level, float, and filter
- Hall effect ON/OFF level sensors with high water safety sensor
- 1/2" (12 mm) Drain hose adapter
- Easy to open reservoir for quick maintenance

Models:

LCU-MS Mini-split condensate pump

LCU-MS2 Mini-split condensate pump with line cover kit



BATTERY BACK-UP PUMPS



442-10A

Standard System 10A, Single Battery

Professional Grade Back-up Pump Systems

Up to 8 days* backup protection

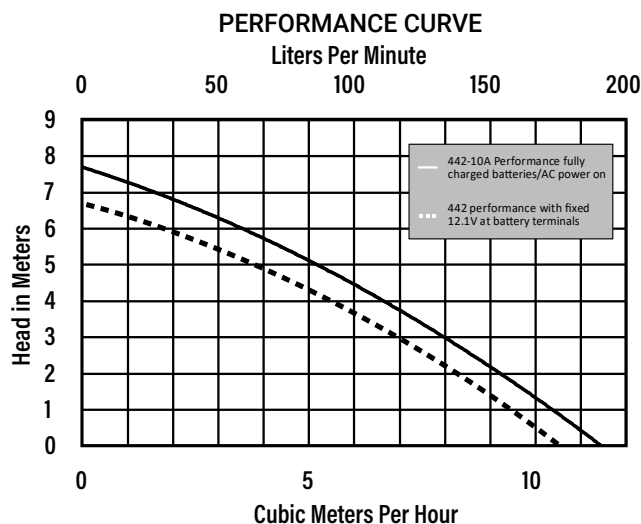
Features:

- Energy efficient 12V DC Pump
- Professional-grade charger/controller
- Microprocessor with energy efficient Switch Mode Technology
- Remote wall-mount user interface with LCD display
- Audio alarm (features a self-reset after silence)
- Super-bright red LED alarm ring
- 9-Volt battery backup - operates alarm in standby mode for up to 72 hours
- Alarm and pump test buttons
- Auxiliary contacts (24VDC, 100 mA max.)
- Compact "snap-on" activation float switch with integral alarm float switch (fits 32 mm and 38 mm pipe)
- 12V battery for back-up pump not included
- High water float switch acts as a redundant "on" float switch for the pump
- Tee and fittings for standard installations

*Based on 3 m lift and pumping 38 liter per cycle - 4 times an hour



Patent: See
LibertyPumps.com/patents



EMERGENCY BACK-UP PUMPS

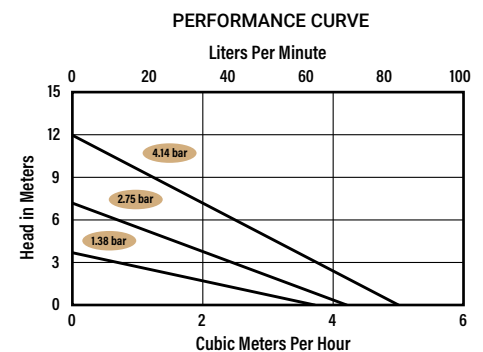
Model SJ10 Model SJ10A (with 115V alarm) Water Powered Back-Up Sump Pump System

Features:

- Works off municipal water supply
- Accepts 1.38 bar up to 6.89 bar inlet supply pressure
- Fully automatic
- High-output flow rates
- Compact design
- Fully-assembled
- 1-1/2" (38 mm) NANPS socket weld discharge
- 3/4" (19 mm) NANPS water inlet connection (optional hose connector included)
- UPC approved



Patent: See
LibertyPumps.com/patents



PC442-Series

Professional grade system features a primary sump pump and 442 battery back-up pump. Battery back-up pump will automatically activate in the event of a power outage or main pump failure.

Features:

- Systems are fully assembled and ready to install in the pit-saving valuable labor time
- Primary pumps are available in 0.25 kW and 0.37 kW (1/3 hp and 1/2 hp)
- Battery back-up pump is the model 442-10A (see 442-10A specifications)
- 12V battery for back-up pump not included



DRAIN PUMPS

Compact Size



Model 404HV (230V) Drain Pump

0.25 kW 10 mm
Solids handling

Short profile drain pump for gray wastewater removal

Features:

- Factory pre-assembled, ready to install
- 230V
- Short profile design for compact areas - only 28 cm tall
- Separate access cover for easy switch inspection (QuickTree®)
- 1-1/2" (38 mm) NPT inlet, vent and discharge
- Integrally molded rubber gasket for a superior gas-tight seal
- 16 Liter basin

Applications Include:

Bar sinks, laundry trays, dehumidifiers, utility sinks and gray wastewater drainage below gravity lines

Not designed for use with chemicals

High-Temp



Model 405HV (230V) Commercial Drain Pump

0.37 kW 10 mm
Solids handling

Commercial high-temperature high-head drain pump

Features:

- Factory pre-assembled, ready to install
- Handles fluid temperatures to 82° C
- Separate access cover for easy switch inspection (QuickTree®)
- 2" (51 mm) NPT inlet, vent and discharge
- Integrally molded rubber gasket for a superior gas-tight seal
- 21 Liter basin

Applications Include:

Bar sinks, laundry trays, multi-compartment utility sinks, dehumidifiers, dishwashers and gray wastewater drainage below gravity lines

Not designed for use with chemicals

Compact Size



Model 406HV-E Compact Drain Pump

0.12 kW 3.175 mm
Solids handling

200V/230V

Short profile drain pump for gray wastewater removal

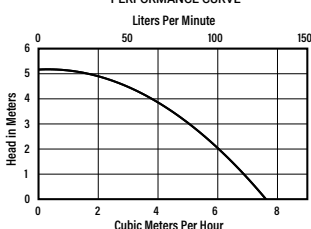
Features:

- Factory pre-assembled, ready to install
- Quiet automatic operation
- Short profile design for compact areas - only 10" (24.5 cm) tall (base to top inlet flange)
- Float switch and pump serviceability via access cover
- Wet-end serviceability via removable pump "cartridge" - simple, 1/4 turn removal
- Rubber gasket for a superior gas-tight seal
- Floor-level side inlets, with integral check valve and couplings included for convenient plumbing
- Stepped discharge adapter - 2.54 cm, 3.175 cm, and 3.8 cm, with integral check valve

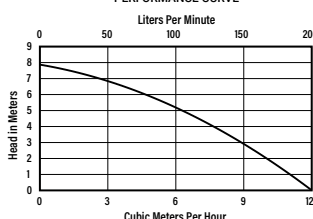
Applications Include: Bar sinks, laundry trays, dehumidifiers, utility sinks, showers, and gray wastewater drainage below gravity lines

Not designed for use with chemicals

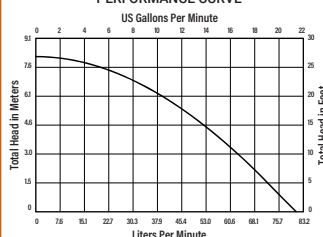
PERFORMANCE CURVE



PERFORMANCE CURVE



PERFORMANCE CURVE



ELEVATOR SUMP PUMP

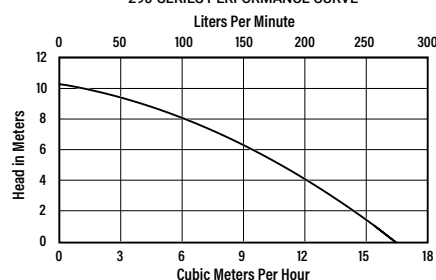
ELV-Series Oil Tector®

Liberty Pumps offers a wide range of code approved products for use in elevator pits, vaults and other areas requiring the control of oil discharge from sump water.

Standard Series Systems



290-SERIES PERFORMANCE CURVE



Consult factory for models and options available.

SUBMERSIBLE SUMP PUMPS



Cool Running.



230HV-Series

0.25 kW 230V
1-1/2" (38 mm) NPT discharge

Lightweight, high performance submersible with deep finned aluminum housing for superior motor cooling.

Features:

- Energy efficient motor draws only 3.3 amps
- Finned aluminum motor housing for improved cooling
- Powder coated for corrosion resistance
- Permanently lubricated upper and lower bearings
- Vortex-style impeller reduces clogging by foreign materials
- Quick-connect power cords available in 10' (3 m) and 25' (8 m) lengths
- Oil-filled thermal protected motor

Energy Efficient.



450HV-Series

0.37 kW 230V
1-1/2" (38 mm) NPT discharge

Cool running 1/2 hp sump pump features finned aluminum housing with quiet, efficient operation.

Features:

- Energy efficient motor draws only 2.7 amps
- Finned aluminum motor housing for improved cooling
- Powder coated for corrosion resistance
- Permanently lubricated upper and lower bearings
- Vortex-style impeller reduces clogging by foreign materials
- Quick-connect power cords available in 10' (3 m) and 25' (8 m) lengths
- Oil-filled thermal protected motor



290HV-Series

0.56 kW
19 mm Solids handling
1-1/2" (38 mm) NPT discharge

Mid-range pump for on-site waste water systems, liquid waste transfer and commercial sump applications.

Features Liberty Pumps uni-body casting and quick-connect power cord.

- 0.56 kW, 230V, oil-filled thermally protected motor
- Permanently lubricated bearings
- Stainless steel fasteners and rotor shaft
- Semi-open impeller



CSP-Series

Crawl space sump pump kit
0.25 and 0.37 kW models

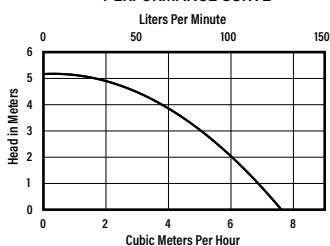
For dewatering under homes and crawl spaces where water may collect. Controls problems with mold, moisture and structural damage. Reduces problems with insects and pests attracted to moist environments.

Features:

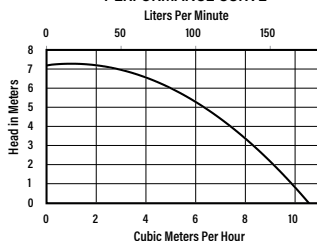
- Heavy-duty submersible sump pump
- Energy efficient motors use less electricity
- 42 cm x 38 cm perforated polyethylene sump pit with cover
- 7 m x 38 mm flexible hose kit
- Check valve
- System is unassembled

Consult factory for models.

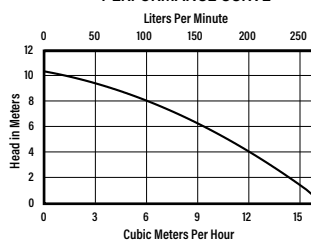
PERFORMANCE CURVE



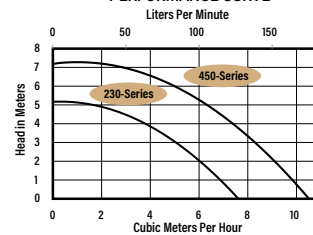
PERFORMANCE CURVE



PERFORMANCE CURVE

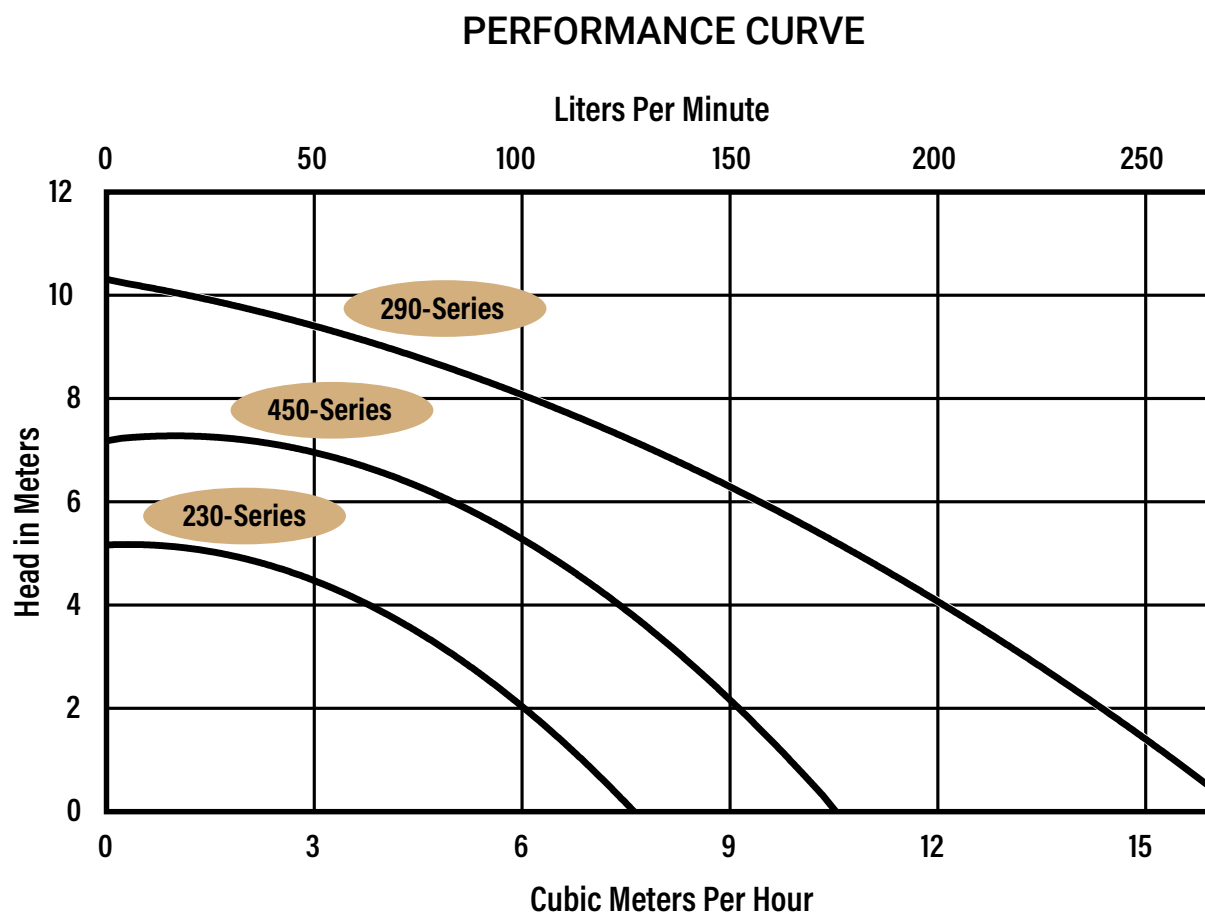


PERFORMANCE CURVE



SUBMERSIBLE SUMP PUMPS

PERFORMANCE CURVE DATA





290HV-Series

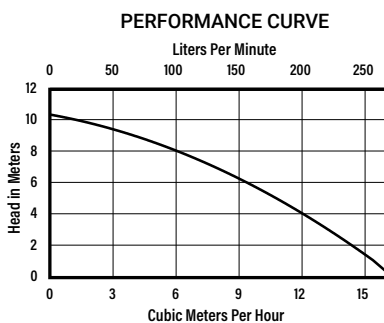
**0.56 kW 19 mm Solids handling
1-1/2" (38 mm) NPT discharge**

Mid-range pump for on-site wastewater systems, liquid waste transfer and commercial sump applications.

Features Liberty Pumps uni-body casting and Quick-connect power cord.

Features:

- 230V
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- Stainless steel fasteners and rotor shaft
- Semi-open impeller



Patent: See
LibertyPumps.com/patents

FL60-Series

**0.45 kW 19 mm Solids handling
1-1/2" (38 mm) or 2" (51 mm) NPT discharge**

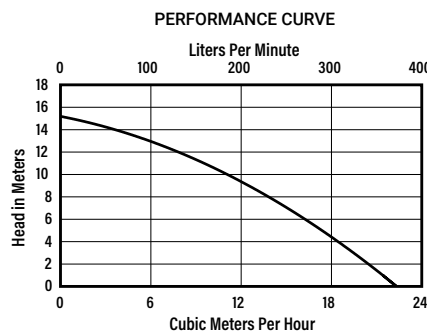
For high-head applications in on-site wastewater systems and dewatering. Built of heavy cast iron with stainless steel fasteners for years of reliable performance.

Features:

- Maximum head of 15 m
- Heavy cast iron construction
- Oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings
- 3-Phase
- 400V



**Dual Sized
Discharge**
1-1/2" (38 mm) or
2" (51 mm) NPT



FL70-Series

**0.56 kW 19 mm Solids handling
1-1/2" (38 mm) or 2" (51 mm) NPT discharge**

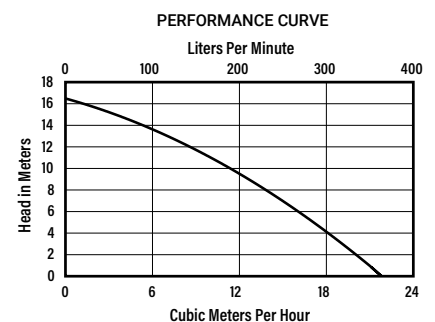
Effluent pump for pumping sump and dewatering applications requiring higher head or pressure. Built of heavy cast iron and stainless steel fasteners for years of reliable performance.

Features:

- Maximum head of 16.5 m
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings
- 3-Phase
- 400V



**Dual Sized
Discharge**
1-1/2" (38 mm) or
2" (51 mm) NPT





FL150-E Series

1.1 kW 19 mm Solids handling
1-1/2" (38 mm) or 2" (51 mm) NPT discharge

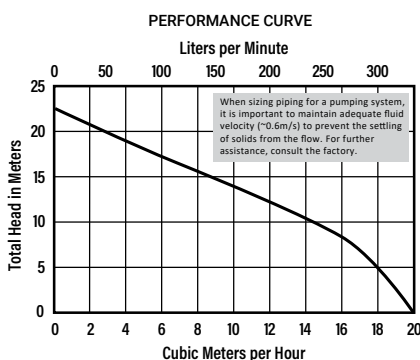
For high-head applications in on-site wastewater and dewatering systems. Built of heavy cast iron with stainless steel fasteners for years of reliable performance.

Features:

- Maximum head of 23 m
- Heavy cast iron construction
- Oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings
- Single and 3-phase models
- 230V - 400V
- Manual pump (control panel required for automatic operation)



Dual Sized Discharge
1-1/2" (38 mm) or
2" (51 mm) NPT



FL200-E Series

1.5 kW 19 mm Solids handling
1-1/2" (38 mm) or 2" (51 mm) NPT discharge

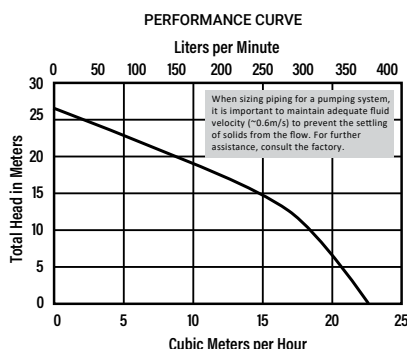
For high-head applications in on-site wastewater and dewatering systems. Built of heavy cast iron with stainless steel fasteners for years of reliable performance.

Features:

- Maximum head of 27 m
- Heavy cast iron construction
- Oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings
- Single and 3-phase models
- 230V - 400V
- Manual pump (control panel required for automatic operation)



Dual Sized Discharge
1-1/2" (38 mm) or
2" (51 mm) NPT



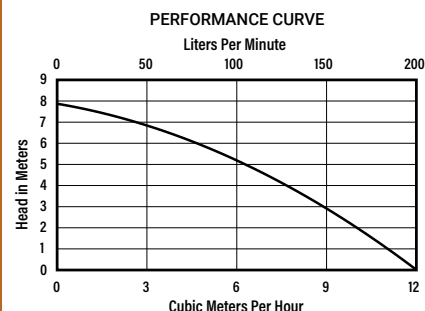
HT450-Series High Temperature

0.37 kW 82° C
1-1/2" (38 mm) NPT discharge

An economically priced high temperature submersible pump

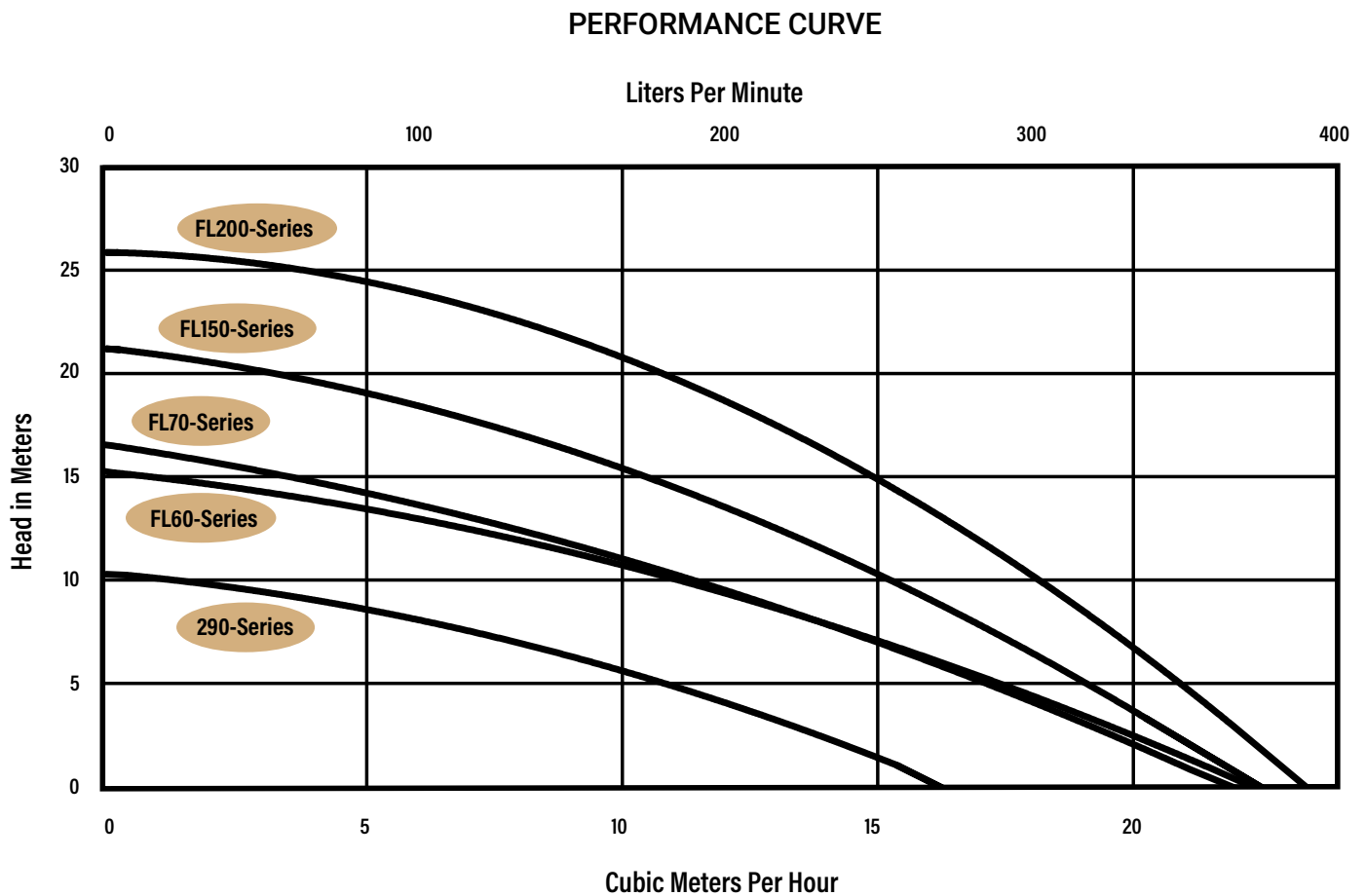
Features:

- Oil-filled thermally protected motor
- Permanently lubricated bearings
- Powder coated finned aluminum motor housing
- High temperature float switch
- Stainless steel fasteners



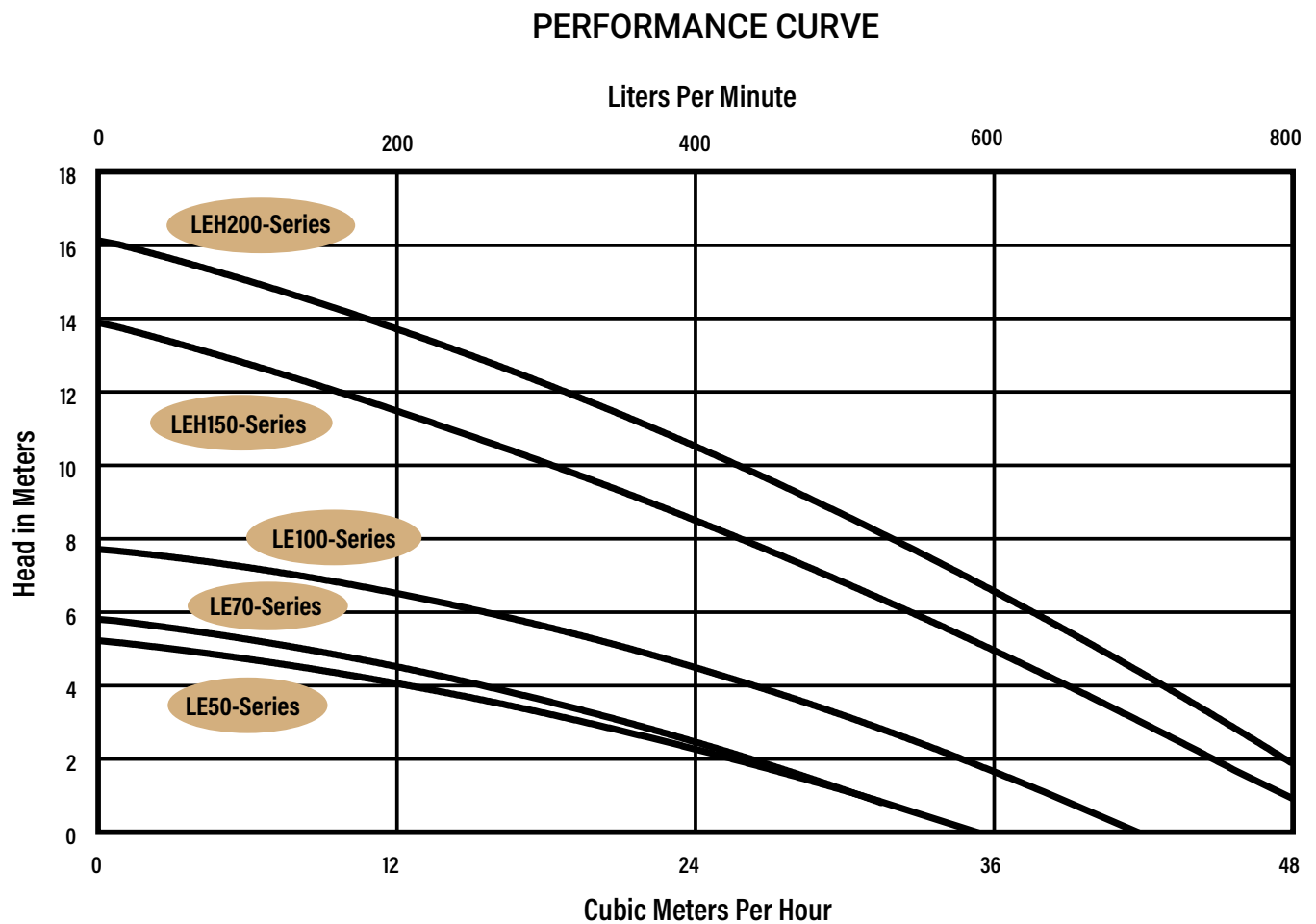
EFFLUENT PUMPS

PERFORMANCE CURVE DATA



SEWAGE PUMPS

PERFORMANCE CURVE DATA





LE50-Series

**0.37 kW 51 mm Solids handling
2" (51 mm) NPT discharge**

Features:

- Heavy cast iron construction with 2 Vane semi-open *HYTREL® impeller
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- 10' (3 m) and 25' (8 m) power cord with Quick-connect design standard
- Available with US plug or bare lead

*HYTREL® is a registered trademark of DuPont Polymers



LE70-Series

**0.56 kW 51 mm Solids handling
2" (51 mm) or 3" (76 mm) NPT
flanged discharge**

Features:

- Heavy cast iron construction
- 2 Vane cast iron impeller
- Oil-filled thermally protected motor
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 10 m Power cord with Quick-connect standard on single-phase models
- Additional 10' (3 m) and 25' (8 m) power cord options
- Available with US plug or bare lead
- 230V and 400V models available



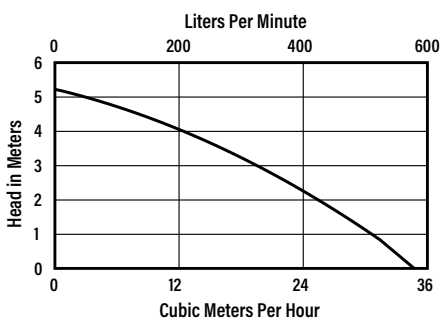
LE100-Series

**0.75 kW 51 mm Solids handling
2" (51 mm) or 3" (76 mm) NPT
flanged discharge**

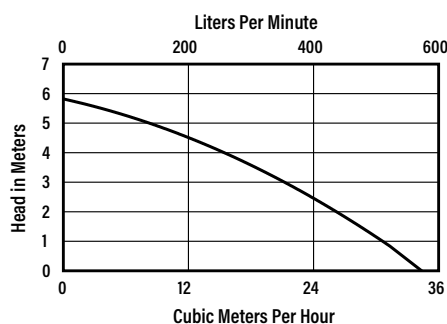
Features:

- Heavy cast iron construction
- 2 Vane, cast iron impeller
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 10 m Power cord with Quick-connect, standard on single-phase models
- Additional 10' (3 m) and 25' (8 m) power cord options
- Available with US plug or bare lead
- 230V and 400V models available

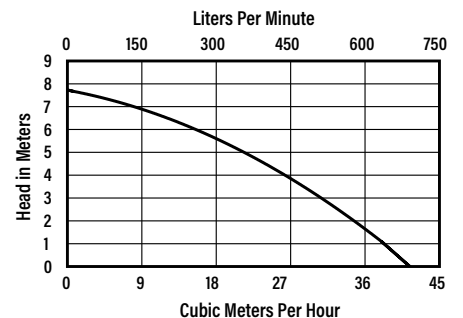
PERFORMANCE CURVE



PERFORMANCE CURVE



PERFORMANCE CURVE





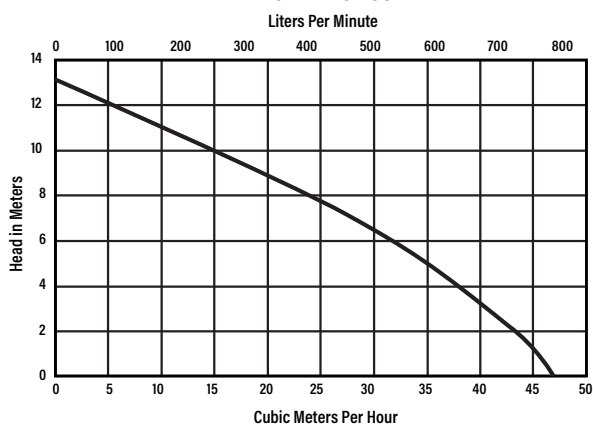
LEH150E-Series

1.1 kW 51 mm Solids handling
2" (51 mm) or 3" (76 mm) NPT flanged discharge

Features:

- Heavy cast iron construction
- Cast iron impeller
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 30' (10 m) Power cord with bare leads
- Manual pump (requires control panel for automatic operation)

PERFORMANCE CURVE



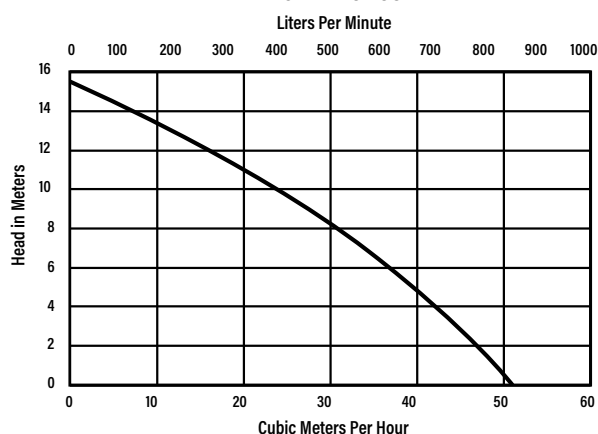
LEH200E-Series

1.5 kW 51 mm Solids handling
2" (51 mm) or 3" (76 mm) NPT flanged discharge

Features:

- Heavy cast iron construction
- Cast iron impeller
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 30' (10 m) Power cord with bare leads
- Manual pump (requires control panel for automatic operation)

PERFORMANCE CURVE



LSG-SERIES GRINDER PUMPS

LSG200-E Series Grinder Pump Single Stage



Patent: See
LibertyPumps.com/patents



LSGX200-E Series Grinder Pump 2-Stage



PATENTED V-SLICE® CUTTER TECHNOLOGY

1.5 kW

1-1/4" (32 mm) NPT Discharge

Features:

- One-piece cast iron housing
- Dual shaft seals
- Advanced V-Slice® Cutter Technology made of hardened stainless steel for superior shredding
- 25' (10 m) Power cord with bare leads
- Internal capacitors with solid state starting circuit
- Stainless steel impeller
- Manual pump (requires control panel for automatic operation)

Available Voltages:

- 230V, Single-Phase
- 230V, 3-Phase
- 400V, 3-Phase



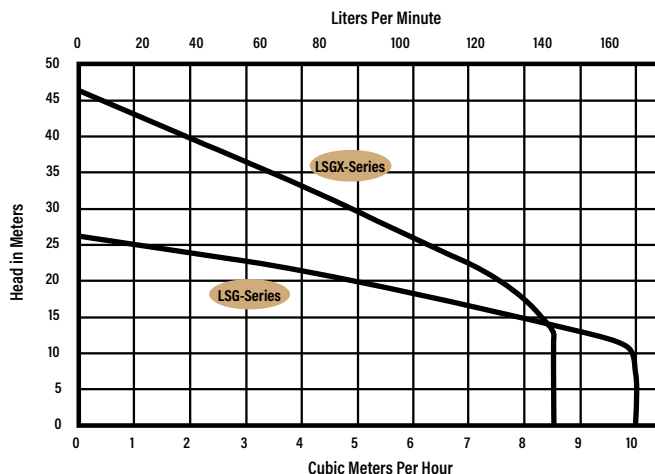
GR20-Series

- Cast Iron construction
- Single 1-1/4" (32 mm) NPT guide rail pipe design
- Auto alignment feature (GR20 works only with LSG-Series pumps)
- Upper rail support bracket
- Available in NPT and BSP thread

Model GR20 1-1/4" (32 mm) NPT

Model GR20-BSP 1-1/4" (32 mm) British thread

PERFORMANCE CURVE



V-Slice® Cutter Technology

Recessed cutter bolt
eliminates wadding

Exclusion cleanout slots and
back relief clears debris
from under cutter

Superior cutting system provides improved shredding performance over radial cutters. V-pattern provides up to 108 alternated cuts per revolution. Entire cutting system made of 440 stainless steel hardened to 58 Rc.

Patent: See
LibertyPumps.com/patents





Retro-Fit Systems for E/One® Grinder Packages

Engineered as an easy drop-in core replacement for E/One® systems utilizing Liberty Pumps Omnivore® with patented V-Slice® Cutter Technology.

Features:

- Easy-adjust goose neck discharge
- Cam-lock cover system
- Alarm float switch acts as redundant "on" control
- High-mount control box
- Available in single or two-stage designs

Reference page 13 for performance curve

E/One® is a trademark of
Environment One Corporation

Consult factory or your local
distributor for more information.



2400-Series Simplex Grinder Packages

- 2448** Basin Size 61 cm x 122 cm
- 2460** Basin Size 61 cm x 152 cm
- 2472** Basin Size 61 cm x 183 cm
- 2484** Basin Size 61 cm x 213 cm

1.5 kW Grinder Pumps

For residential and commercial applications, Liberty Pumps offers complete factory assembled grinder packages featuring the Omnivore® grinder pump. All internal brackets, float switches, guide rail and discharge piping is factory assembled for easy installation.

Features:

- 1.5 kW grinder pump, available in various voltages
- Anti-flotation collar
- Solid, heavy-duty fiberglass cover (optional black steel, solid)
- GR20 guide rail assembly
- Galvanized guide rail piping (stainless optional)
- All internal piping and brackets pre-mounted
- Float switches are pre-mounted at factory-set levels
- All stainless steel fasteners
- 1-1/4" (31 mm) Schedule 80 PVC discharge piping with ball valve and check valve
- ALM-230W alarm and NEMA 4X wiring box on 2448LSG
- NEMA 4X simplex panel with alarm on 2460LSG, 2472LSG and 2484LSG

Consult factory or your local distributor for more panel options.

Custom sizes available.

For complete package specifications and other available options, consult the factory at +1 585-494-1817.



D3600-Series Duplex Grinder Packages

- D3648** Basin Size 91 cm x 122 cm
- D3660** Basin Size 91 cm x 152 cm
- D3672** Basin Size 91 cm x 183 cm
- D3684** Basin Size 91 cm x 213 cm
- D3696** Basin Size 91 cm x 244 cm

1.5 kW Grinder Pumps

Complete factory assembled duplex grinder packages featuring the Omnivore® grinder pumps. All internal brackets, float switches, guide rail and discharge piping is factory assembled for easy installation.

Features:

- 1.5 kW grinder pumps, available in various voltages
- Available in single or 2-stage
- 10 cm inlet hub
- Galvanized guide rail piping (stainless optional)
- Factory pre-assembled guide rail system
- Factory pre-assembled Schedule 80 PVC discharge piping with ball valves and check valves
- Fiberglass basin with anti-flotation collar
- Standard green fiberglass cover, solid (optional black steel, solid)
- All stainless steel supports and brackets pre-mounted
- Available in various voltages both single-phase and 3-phase

Consult factory or your local distributor for more panel options.

Custom sizes available.

For complete package specifications and other available options, consult the factory at +1 585-494-1817.

CUSTOM EPS

NEED A SPECIALLY SIZED SYSTEM?

We've Got You Covered

Let Liberty Pumps customize a pump system to your exact requirements. Simplex, duplex, special basins, guide rails, panels and more!



Fiberglass Basins...

With a wide variety of basin sizes available, Liberty Pumps can provide any configuration with options like anti-flotation collars, guide rails, and an assortment of covers. You tell us the size you need.

Pumps...

Select any of Liberty Pumps sewage, effluent or grinder pumps to meet your pumping application. If you need help, our technical support team is there to help you select the correct pump for your application.

Panels...

Simplex or duplex, indoor or outdoor, we've got any panel option you can possibly dream up. Need a cycle counter or elapsed time meter? How about a timed dosing application - no problem. All UL and CSA certified, Liberty Pumps offers panels with tons of options. When you specify a Liberty Pumps EPS, we make sure all components are properly matched to the job.

Working System

Liberty Pumps Engineered Pump Systems have factory assembled components such as float switches, brackets, guide rails and even pre-mounted pumps (*when system size allows). This factory assembly reduces job-site labor and potential field errors.

*For security and ease of transportation, pumps are shipped separately with basins taller than 122 cm. Float switches, brackets, and other internal components are still factory installed whenever possible.



Engineered Pump Systems from Liberty Pumps

We make your job easy – Quotations within 24 hours!

1 - 8 0 0 - 5 4 3 - 2 5 5 0

PRO-SERIES

PRE-ASSEMBLED SYSTEMS

2" Solids Handling Models

Patent: See
LibertyPumps.com/patents



Pro370-Series 155 Liter Simplex System

Basin size: 53 cm x 76 cm

The industry's leading residential sewage package, Liberty Pumps Pro370-Series arrives from the factory completely assembled. This is the system of choice for its quality, ease of installation and selling features.

- Durable 53 cm x 76 cm polyethylene basin with reinforcing ribs for improved structural strength

Pro380-Series 155 Liter "Shallow" Simplex System

Short System with large 155 liter capacity!

Basin size: 61 cm x 61 cm

Shipped completely assembled, the Pro380-Series offers larger capacity in a shallow basin design. Only 61 cm high, the Pro380 is perfect for bedrock and difficult soil conditions. Total capacity - 155 liters!

- Durable 61 cm x 61 cm polyethylene basin with reinforcing ribs for improved structural strength

Pro680 Duplex Package

Features:

- Dual LE-Series pumps in 230 V
- Two 2" (51 mm) NPT discharge outlets
- 2" (51 mm) NANPS vent (3" (76 mm) NANPS optional)
- Side 10 cm inlet hub (top inlet is optional)
- IAPMO listed shallow profile basin - only 61 cm tall. Passes 3 m stack test.
- Suitable for direct-on-floor installations
- QuickTree® float switch system - allows easy removal of float switches
- Robust 16 bolt cover
- Ships with duplex control and alarm

Pro370 and Pro380-Series Features:

- Molded anti-flotation collar
- Torque stops molded into the base provide added pump stability and assure proper clearance for the float switch
- Integrally molded handles ease transportation and installation
- Clear disposable construction cover
- Molded inlet hub has no bolts or gaskets - sized for 10 cm flexible couplings
- Over 50% more total capacity than standard 45 cm x 76 cm basins
- 51 mm or 76 mm Schedule 80 PVC discharge pipe
- Heavy, structural foam cover with integrated rubber cord seals and gaskets
- Stainless steel cover bolts
- Removable inspection cover for float switches
- QuickTree® float switch technology
- Discharge and vent have integrally molded threads. No separate flanges or seals



IAPMO Listed
Basin



**Duplex
Control and Alarm**



**Shipped with Clear
Construction Cover**

Clear disposable cover protects the system during masonry work and rough-in.

PRO-SERIES ACCESSORIES

X8 Basin Extension

For Pro370 and Pro380 Systems

Custom designed 20 cm basin extension increases inlet to top-of-tank height allowing for longer inlet runs. Exclusively fits all Pro-Series systems. Includes gasket, hardware and extended QuickTree®. Passes 3 m stack test!



X8-D Basin Extension

For Pro680 and ProVore680 Systems

Order a Factory Mounted Alarm System!



ALM-230W
Outdoor Rated
230V Alarm
(not shown)

ALM-2 (pictured)
Indoor 230V Alarm with 9V Battery Backup



Pro380-SD Series Side Discharge Models Available

Consult Pro380-SD sales
literature for more information

Available with LE50-Series Pumps



ARC18 Access Riser 46 cm with Cover

For direct burial of Pro370 and Pro380 systems up to 46 cm below grade, Liberty Pumps access riser provides a convenient chamber for your pump's electrical and piping connections – out of sight and below ground. Riser simply slides over the top of the sealed system.

Available with electrical and piping installation kits (sold separately).

IKIT2-230
230V, 51 mm Kit

All Systems Feature QuickTree® Technology

Allows simple removal of float
switches without pulling the
pump or disconnecting the
plumbing.



Patent: See
LibertyPumps.com/patents

Integral Rubber Seals



Unique
integrated cord
seal technology
and permanent
rubber cover
gaskets.

ProVore® GRINDER PUMP

Make the switch from solids handling to grinder



Grinder Pump

0.75 kW
230V Single-Phase
2" (51 mm) NPT discharge

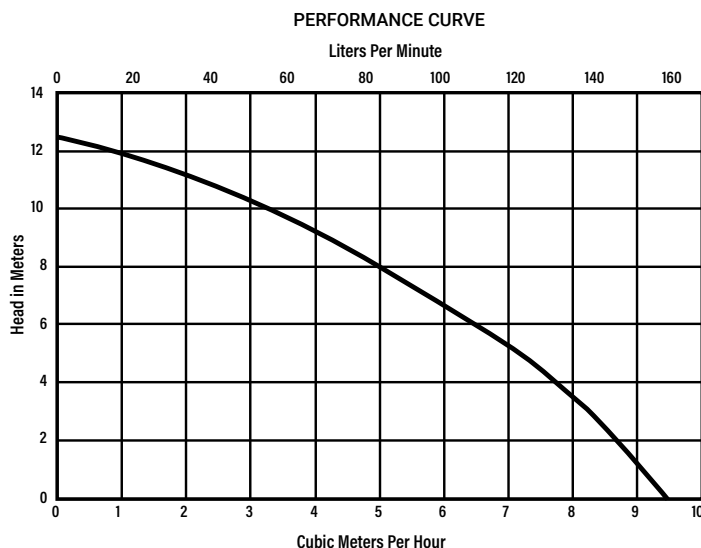
The ProVore® brings Liberty Pumps patented V-Slice® Cutter Technology to residential sewage applications. Powered by a 0.75 kW motor, this smaller grinder is designed to operate on a standard 230V circuit – requiring only a 20A breaker. No special wiring is needed.

Featuring a 2" (51 mm) NPT vertical style discharge and standard leg pattern matching Liberty Pumps LE-Series sewage pumps, the ProVore® can easily retro-fit into already existing systems. Engineered with flow rates to 9 m³/hr, the ProVore® provides adequate scouring in 51 mm discharge lines with lower pumping heads commonly found in residential basement installations.

- Heavy cast iron construction
- Patented V-Slice® Cutter Technology
- 25' (10 m) Power cord with US plug or bare leads
- 2" (51 mm) NPT discharge
- 230V, single-phase
- Manual pump (requires control panel for automatic operation)



Patent: See
LibertyPumps.com/patents



Patented V-Slice® Cutter Technology

Shreds difficult solids such as feminine products, wipes, rags, and other debris.

- Hardened stainless steel

ProVore® GRINDER SYSTEMS



Patent: See
LibertyPumps.com/patents

ProVore® 380 QuickTree® Technology

ProVore® 380-E Simplex Package

Features

- 0.75 kW ProVore® grinder in 230V
- 2" (51 mm) NPT discharge and vent
- IAPMO listed shallow profile basin – only 61 cm tall. Passes 3 m stack test
- 155 Liter capacity
- Suitable for direct-on-floor installations
- Integrally molded heavy-duty gaskets
- QuickTree® float switch system – allows easy removal of float switches
- Separate access cover
- Robust 16 bolt cover
- Manual pump (requires control panel for automatic operation)
- Ships with simplex control and alarm

See ProVore® (PRG-Series) literature for complete pump specifications and performance.



IAPMO Listed
Basin



**Simplex
Control and Alarm**



Compact Duplex
System!

ProVore® 680 QuickTree® Technology

ProVore® 680-E Duplex Package

Features

- Dual 0.75 kW ProVore® grinders in 230V
- Two 2" (51 mm) NPT discharge outlets
- 2" (51 mm) NANPS vent (3" (76 mm) NANPS optional)
- Side 10 cm inlet hub (top inlet is optional)
- IAPMO listed shallow profile basin – only 61 cm tall. Passes 3 m stack test
- 174 Liter capacity
- Suitable for direct-on-floor installations
- QuickTree® float switch system – allows easy removal of float switches
- Robust 16 bolt cover
- Ships with duplex control and alarm
- Manual pump (requires control panel for automatic operation)

See ProVore® (PRG-Series) literature for complete pump specifications and performance.



IAPMO Listed
Basin



**Duplex
Control and Alarm**

PRE-ASSEMBLED SYSTEMS



1100-Series 416 Liter Duplex System

Basin size: 76 cm x 91 cm

For multi-unit residential and commercial installations, Liberty Pumps 1100-Series provides the assurance of uninterrupted operation. With two pumps operating alternately, this system will provide years of trouble-free performance.

Features:

- Torque-stops to secure pumps in their proper position
- Heavy-duty cover with separate pump access openings
- Separate inspection cover
- 2" (51 mm) or 3" (76 mm) NPT discharges (2" (51 mm) only on PRG-Series)
- 2" (51 mm) or 3" (76 mm) NPT threaded vent flange
- 10 cm Inlet hub
- Available completely pre-assembled from the factory. Float switches for control panel are pre-mounted in basin when control is ordered with a pre-assembled system. Control panel sold separately.

Available pre-assembled with any of Liberty Pumps LE-Series pumps, or PRG-Series grinder pumps.

See pump section for specific performance curves and pump specifications. See accessories section for information on duplex control panels and other accessories.

Other Duplex Systems

Liberty Pumps offers an extensive line of tank sizes and configurations. Please consult Liberty Pumps or your local distributor for other sizes not shown. +1 585-494-1817



700-Series 265 Liter Simplex System

Basin size: 61 cm x 91 cm

For multi-unit residential and commercial installations. Completely pre-assembled with any of Liberty Pumps LE-Series pumps, or PRG-Series grinder pumps.

Features:

- Fully assembled
- Torque-stops to secure pumps in their proper position
- 2" (51 mm) or 3" (76 mm) NPT threaded vent flange
- 2" (51 mm) or 3" (76 mm) NPT discharge (2" (51 mm) only on PRG-Series)
- 10 cm Inlet hub
- Total capacity: 265 liters

Available pre-assembled with any of Liberty Pumps LE-Series pumps, or PRG-Series grinder pumps.

See pump section for specific performance curves and pump specifications.

LOW PROFILE SYSTEMS



LowPro52LP-CN

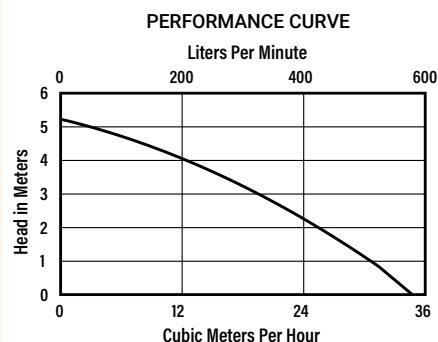
Low Profile Sewage System

For installation of a toilet or other fixtures without breaking up concrete floors. Mounts freestanding or can be built-in for a more finished look. Perfect for remodeling and basement bathroom additions.

Features:

- 0.37 kW Sewage pump
- Powerful internal spray helps break down solids and circulate fluid
- Durable, low profile polyethylene tank
- Heavy-duty 5 cm check valve
- Closet flange
- Closet flange spacers
- Additional inlet grommet provided for lavatory or shower
- Fully assembled from the factory!

(Toilet not included)



SIMPLEX/DUPLEX CONTROLS



Simplex Control

Designed for use with Pro380-Series systems.

Features:

- 230V
- Automatically alternates pump operation
- Audible and visual alarm
- Auxiliary contacts

*For use with CE marked systems



Duplex Control

Designed for use with Pro680-Series systems.

Features:

- 230V
- Automatically alternates pump operation
- Audible and visual alarm
- Auxiliary contacts

*For use with CE marked systems

STANDARD CONTROLS



Simplex & Duplex Controls

The Liberty Pumps SX and AE-Series control panels provide reliable operation of either one or two pumps in residential or commercial applications.

Features:

- Across-the-line magnetic contactor(s)
- Test/Auto switch(es)
- Terminal block
- Green pump run light(s)
- Alarm horn
- Red alarm indicator light or beacon
- Alarm silence and test switches
- Auxiliary contacts

SX or AE-Series controls are available in voltages from 230V to 575V 3-phase. NEMA 1 and NEMA 4X enclosures. Consult factory for ordering information and other options not shown.

ASCENT™ II MACERATING TOILET

Toilet EPA WaterSense Listed for 1.28 gallon per flush (gpf) requirements



Toilet complies with ADA standard ICC/ANSI A117.1 and CSA B651.



Patent: See
LibertyPumps.com/patents

Ascent™ II Macerating Toilet System

**Featuring RazorCut™ Technology
IST™ Switch Sensing and CleanConnect™ Seal**



IST™ Intelligent Switch Technology and Functional Touchpad
LED display informs of Power ON, Alarm Condition and Low Alarm Battery. Touchpad on cover allows for manual run of the macerator and alarm silencing.

The complete system for convenient addition of a bathroom in remodeling projects and additions. Powerful macerating system pumps waste to existing sewer lines in the building or home. Accepts additional lavatory and tub/shower connections for a complete bathroom anywhere!

Performance: Powerful and quiet, the new RazorCut™ system with stainless steel blades provides superior cutting compared to other macerating toilets.

Toilet: 4.85 LPF (liters per flush). Insulated tank eliminates sweating. Available in elongated and round front. Slow-close toilet seat included.

Serviceability: Designed with a new removable access cover, the Ascent™ II is completely serviceable without removing the macerating unit from the toilet or disconnecting plumbing!

Functionality: LEDs inform of power ON, alarm condition or low battery condition. Touchpad buttons allow manual by-pass operation of the unit and alarm silencing.

Code Compliant: Meets ADA standards, ANSI 117.1 and the new 4.85 LPF requirement.

RazorCut™ System

Improved cutter system features stainless steel razor blades (replaceable with heavy-duty utility knife blades).



Specifications

Hp: 0.37 kW

Volts: 230

Hz: 50

Amps: 9.2

RPM: 2875

Thermally protected with automatic reset

Alarm: 230V with 9V battery backup

Tank Material: ABS

Cutter Blades: Stainless steel

Power Cord: 8' (2 m), white, right-angle plug holds close to wall

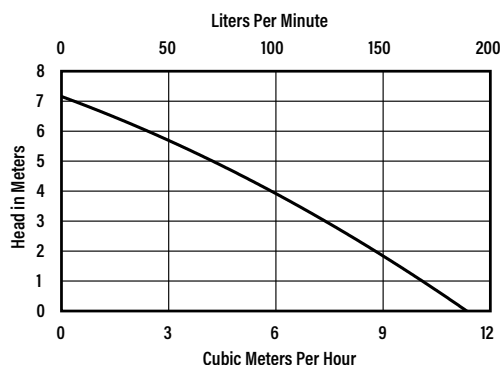
Maximum Fluid Temperature: 104° F (40° C)



Integral heavy-duty rubber gaskets

Removable Service Panel Allows simple access to the system for cleaning or blade replacement without removing plumbing or disconnecting the toilet.

PERFORMANCE CURVE



Note: Maximum shut-off head is 7 m. Consult factory for proper sizing and calculation of friction loss.

Extension Pipe

#K001184 (sold separately)

Includes decorative trim ring for a more professional looking installation. 46 cm Length works with 5 cm x 10 cm or 5 cm x 15 cm wall.



ALARM SYSTEMS

ALM-Series

- Indoor rated
- 100V - 240V, 50/60 Hz U.S. plug only
- 9V Battery backup (9V industrial battery included)
- 86 Decibel horn
- Red LED alarm ring
- Green "power-ON" light
- Auxiliary contacts
- Automatic alarm reset
- Test / Silence buttons



Patent: See
LibertyPumps.com/patents

Super bright
LED alarm ring

ALM-2



Wide-Angle Float Switches
(Sewage/Effluent application)

ALM-P1



Compact Snap-on Float
Switches Fits 32 mm or
38 mm pipe
(Sump application)

ALM-2-1

(Wide-angle float switch,
10' (3 m) cord)

ALM-2

(Wide-angle float switch,
20' (6 m) cord)

ALM-P1

(Compact snap-on float
switch, 10' (3 m) cord)

ALM-PK

(For floor level water
sensing, 50' (15 m) cord)

ALM-PK

Puddle Sensor



ALM-230W

- Indoor/Outdoor alarm
- 230V
- Visual and audio alarm
- Weatherproof enclosure
- 20' (6 m) Float switch cord
- Auxiliary contacts

CHECK VALVES



CV2N1 32 mm and 38 mm

CV150 38 mm

CV200 51 mm

Economy check valves

- ABS valve body
- Rubber slip connect with hose clamps
- North American Nominal Pipe Size



HCV150 – 1-1/2" (38 mm) NPT

HCV200 – 2" (51 mm) NPT

Heavy-duty cast iron check valves

- High temperature rated to 200° F (93° C)
- NPT threaded connection
- Suitable for use with high-temperature sump pumps

SUMP ACCESSORIES



SP1822B Sump Pit

- 46 cm x 56 cm
- Durable structural foam, smooth wall
- Includes 10 cm inlet grommet (unassembled)

SC18B Sump Pit Cover (Solid)

- Solid cover for SP1822B pit
- Includes durable rubber gasket and hardware
- Radon mitigation acceptable when used with SP1822B pit

SC18B-S Sump Pit Cover (Split)

- Split cover for SP1822B pit
- Allows easy access without disassembling pump piping
- Includes durable rubber gasket and hardware
- Radon mitigation acceptable when used with SP1822B pit

Stop Debris Jamming!



PART #
4445000

"The Brick"

Submersible Sump Pump Platform

**Finally, a professional way
to install your Liberty Pumps
submersible sump pump!**

- Replaces unstable bricks or blocks
- Reduces potential jamming from debris, rocks, and sediment

- Durable molded ABS plastic with pump restraints – exclusively fits Liberty Pumps submersible sump pumps
- Adhesive strip attaches to sump pump



GRINDER PUMP LSG & LSGX-SERIES ACCESSORIES

GR20-BSP

Guide Rail Base

- Fits Omnivore® LSG-Series grinder pumps
- Heavy cast iron construction
- Single guide pipe design with auto align feature
- 1-1/4" (32 mm) British thread (BSP)
- Heavy nitrile sealing grommets
- Includes mating flange for LSG-Series pump and upper rail support bracket, stainless steel bolts and sealing grommet (Guide rail pipe not included)



G90-BSP

Flanged Elbow, 90 Degree

- Fits Omnivore® LSG-Series grinder pumps
- Provides vertical discharge for non-guide rail installations
- 1-1/4" (32 mm) British thread (BSP)
- Heavy cast iron construction
- Powder coated for corrosion resistance
- Includes sealing grommet and stainless steel bolts
- Allows LSG-Series pumps to connect to some other guide rail designs



ACV125-BSP

Anti-siphon Check Valve

- Heavy cast iron construction
- Integrated heavy weight nitrile ball check valve
- Anti-siphon feature breaks suction to prevent unwanted tank siphonage
- 1-1/4" (32 mm) British thread (BSP)
- 125 psi rated / 8.6 bar





Historical Display

Gear Store



**Custom
Engineered
Pump Systems**



Product Display Room



Robotics



Training Center



Liberty Pumps®

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Bergen, NY 14416

Pro380
QuickTree® Technology

Ascent™ II
Macerating Toilet System


NightEye®

SUMPJET®
Water Powered Back-Up Pump


Omnivore®
Grinders

X-Series™
Explosion
Proof Pump

OilTector®
CONTROLS

ProVore®
Residential
Grinder

Pro370
QuickTree® Technology


StormCell®
Battery Back-Up Pump

V-Slice®
Cutter Technology



ISO 9001
REGISTERED COMPANY

All specifications listed within this brochure are subject to
change without notice.

Consult factory for complete warranty information.

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