

Liberty Pumps®

A Family and Employee Owned Company

Wholesale Product Catalog 60 Hz

Sump Pumps

Drain Pumps

Effluent Pumps

Sewage Pumps

Grinder Pumps

Packaged Systems

Engineered Pump
Systems (EPS)

ISO 9001
Registered
Company

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

innovate.
evolve.

UTILITY & TRANSFER PUMPS

BIM models
now available for
BIMobject®
architectural
design software

Choose from over 1,500 models of Liberty Pumps products. Sewage pumps, sump pumps, grinder pumps, control panels, high-temperature sump pumps, elevator sump pumps, complete pre-designed pump systems, and more – all available right from the BIMobject® library of products.



Pump specifications and BIM models are also available on the Liberty Pumps website.

BIMobject® is a registered trademark of BIMobject® Corporation.



260-2 Utility Pump

1/6 hp 115V

A lightweight, multi-purpose submersible pump for removing ground water, pumping pool covers, etc. Garden hose thread and barbed adapters included. Capacities to 17 GPM, maximum head 25'.

Features:

- Thermoplastic body resists impact, stress, and corrosion
- Self-cleaning, trash-type impeller
- 1/6 hp air cooled PSC motor
- Shaft seal and lip seal
- Thermal overload protection
- Pumps down to 1/8"
- Completely submersible
- Removable bottom screen for easy cleaning
- 25' Power cord

Applications:

- Pumping pool covers
- Irrigation
- Pumping flooded areas

Model Number:

260-2 115V (25' cord)

PERFORMANCE

Capacity				
TDH	0'	10'	20'	25'
GPM	17	14	9	0



Patent: See
LibertyPumps.com/patents

331 Transfer Pump

1/2 hp 115V

Perfect for draining water heaters or miscellaneous water transfer. Boost water pressure by 40 lbs. Garden hose connections.

Maximum Head: 105'

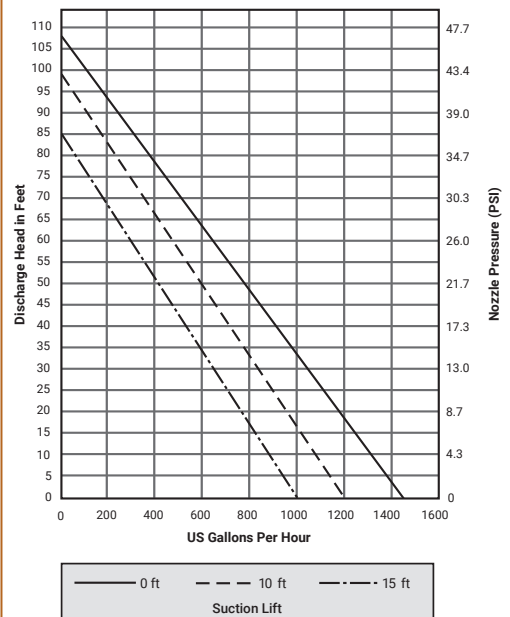
Maximum Suction: Lift 15'

Maximum Pressure: 45 psi

Features:

- Permanently lubricated bearings
- Easy-fill prime plug
- Convenient ON/OFF switch
- 20' Power cord
- One-piece, cast aluminum body

PERFORMANCE CURVE



CONDENSATE PUMPS



LCU-15, LCU-20 & LCU-SP20S Series Condensate Pump

Width: 5" Height: 6-1/2"
Length: 11-1/8"

For removal of condensate from A/C equipment, high efficiency furnaces, ice makers, drinking fountains, dehumidifiers, and other equipment.

Features:

- High impact ABS tank
- 3 Intake holes
- 3/8" O.D. outlet
- Built-in check valve (removable)
- Wall mounts
- Stainless steel shaft

Models:

- LCU-15** 115V
- LCU-15T** 115V (with tubing)
- LCU-15S** 115V safety switch
- LCU-15ST** 115V safety switch (with tubing)
- LCU-20S** 115V safety switch
- LCU-20ST** 115V (with tubing)
- LCU220S** 230V
- LCU220ST** 230V safety switch (with tubing)
- LCU-SP20S** 115V safety switch (shallow pan)
- LCU-SP220S** 230V safety switch (shallow pan)

LCU-15 (1/50 hp)
PERFORMANCE

Capacity					
TDH	1'	5'	10'	15'	
GPH	85	75	37	0	

LCU-20S & LCU-SP20S (1/30 hp)
PERFORMANCE

Capacity					
TDH	1'	5'	10'	15'	20'
GPH	105	95	75	40	0



LCU-N Series Neutralizing Condensate Pumps

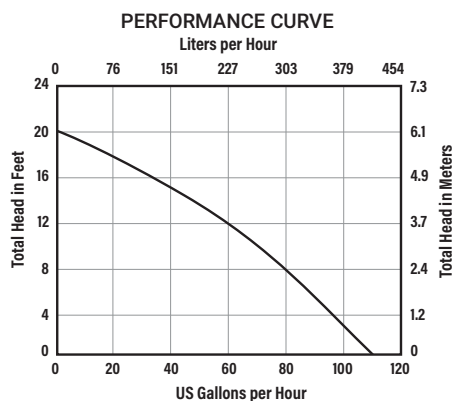
For neutralization and removal of acidic condensate produced by high-efficiency combustion equipment. When not neutralized, acidic condensate has the potential to harm the environment and any plumbing it comes in contact with due to its acidic nature.

Features:

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

Models:

- LCU-N20ST** 115V
- LCU-N220ST** 230V



LCU-PR Series Plenum Rated Condensate Pumps

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

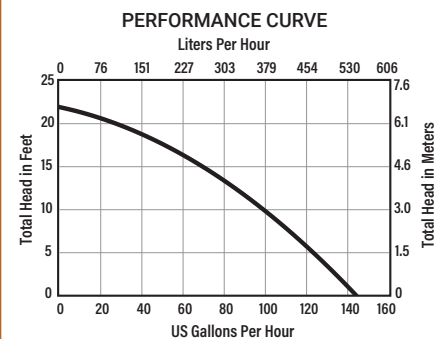
The LCU-PR meets UL Standard 2043 for plenum applications.

Features:

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

Models:

- LCU-PR20S** 115V
- LCU-PR220S** 230V



CONDENSATE PUMP



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.

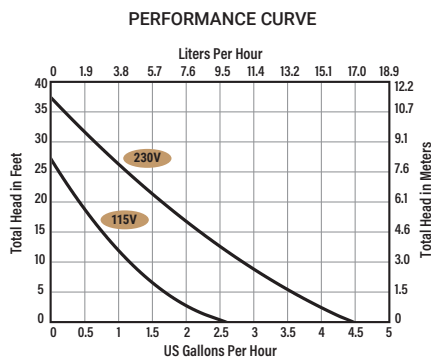
Features:

- 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" 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



Model 441

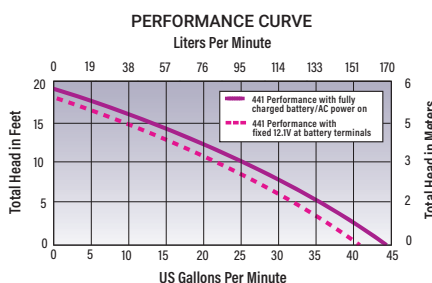
12 Volt Emergency Sump Pump System

Automatically works during power outage or main pump failure.

Features:

- Advanced charging system outperforms "trickle" type chargers
- Audible alarm and light advises of emergency pump operation
- Works with marine-type deep cycle batteries*
- Automatically recharges battery after use

* Battery not included



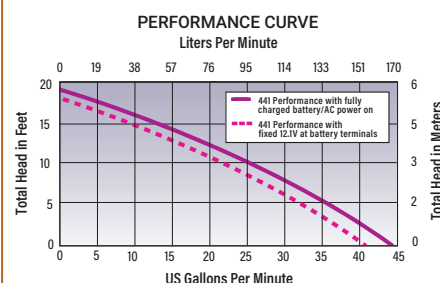
Model 441-10A

12 Volt Emergency Sump Pump System with 10A StormCell Charging System

Features:

- 2 Different modes charge and maintain battery* at peak performance
- Charger automatically switches to maintenance mode when charged
- 10A charging is time limited to 19 hours, to prevent overcharging
- 7 LEDs transmit critical system information at a glance
- Easy wiring, all connections are made via quick-disconnect tabs on a single wiring harness
- Battery voltage displayed on charger
- Silence and alarm reset buttons

* Battery not included



BATTERY BACK-UP PUMPS

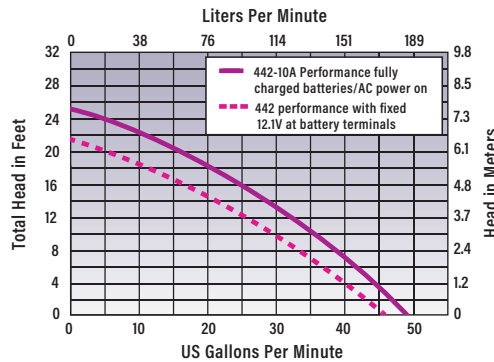


442-10A Standard System 10A, Single Battery



Patent: See
LibertyPumps.com/patents

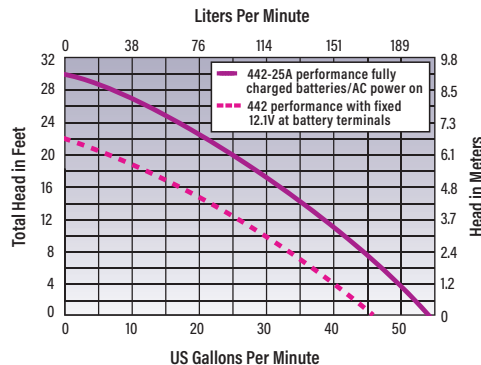
442-10A SERIES PERFORMANCE CURVE



442-25A High-output System 25A, Dual Battery



442-25A SERIES PERFORMANCE CURVE



Professional Grade Back-up Pump Systems

Up to 16 days* back-up protection

* Model 442-25A cycling 4 times per hour,
10' of head, 10 gallons per cycle

Both 10A and 25A StormCell® systems are available with optional NightEye® wireless enabled technology. The NightEye® cloud-based system constantly monitors the performance of your back-up pump - providing instant information to your smart device - anywhere in the world.

Features:

- 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 (24 VDC, 100 mA max)
- Compact "snap-on" activation float switch with integral alarm float switch (fits 1-1/4" and 1-1/2" pipe)
- High water float switch acts as a redundant "on" float switch for the pump
- Tee and fittings for standard installations
- Batteries sold separately



Wireless Enabled Models:

442-10A-EYE

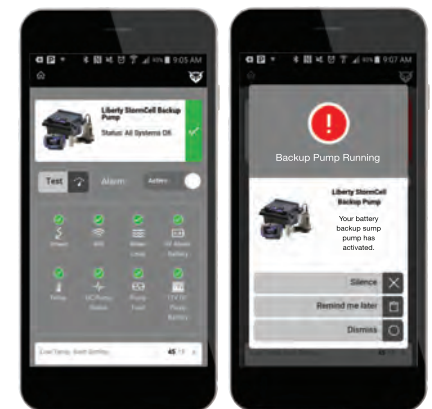
442-25A-EYE

Features:

- Free app download (Apple® iOS and Android® compatible)
- No subscription or user fees
- System works through your home's wireless router
- Simple and easy connection with BlinkUp™ technology

Smart device notifications:

- Back-up pump activation
- High water level alarm
- AC power lost
- Wi-Fi connection lost
- Blown fuse or DC pump failure
- Low battery warnings
- Basement temperature level warning (user defined setting)
- Automatic pump exercise feature



Normal Status

Back-Up Pump Running

Apple® iOS is a registered trademark of Apple Inc.
Android® is a registered trademark of Google LLC.
BlinkUp™ is a trademark of BlinkTech, LLC

12 VOLT BATTERIES

EMERGENCY BACK-UP PUMPS



Make sure your StormCell® back-up system maintains peak performance with StormCell® batteries from Liberty Pumps. These batteries are specifically designed to provide the highest performance and longest life when paired with the Liberty Pumps 1.5A, 10A or 25A systems.

AGM Maintenance Free

GROUP 27 Deep Cycle Model B12V27-AGM

- Amp hour rating - 98
- RC minutes - 170
- CA Rating - 750
- Weight - 58 lbs



GROUP 31 Deep Cycle Model B12V31-AGM

- Amp hour rating - 110
- RC minutes - 200
- CA Rating - 885
- Weight - 60 lbs



Flooded Maintenance Free

GROUP 27 Severe Duty Model B12V27-WET

- Amp hour rating - 105
- RC minutes - 125
- CA Rating - 875
- Weight - 47 lbs



GROUP 31 Severe Duty Model B12V31-WET

- Amp hour rating - 120
- RC minutes - 175
- CA Rating - 1000
- Weight - 57 lbs



All StormCell® batteries carry a one year limited warranty. Severe duty WET cell batteries must ship via common carrier.



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

Features:

- Works off municipal water supply
- Accepts 20 PSI up to 100 PSI inlet supply pressure
- Fully automatic
- High-output flow rates
- Compact design
- Fully assembled
- 1-1/2" Discharge
- 3/4" NPT water inlet connection (optional hose connector included)
- UPC approved

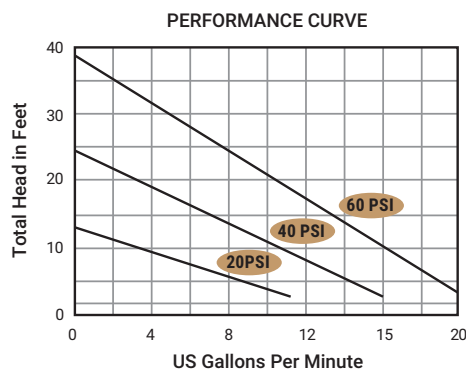
Efficient design removes more water per gallon used



Model SJ10A-EYE Water Powered Back-Up Sump Pump System with Wireless Alarm

Features:

- Immediate notification of your SumpJet activation
- High water level notification
- Low basement temperature warning - (user defined setting)
- Easy setup, connects with simple BlinkUp™ technology
- Super bright red LED alarm ring
- 86 dB audible alarm
- 9-volt battery backup
- Silence and test alarm remotely through the NightEye® app
- Auxiliary contacts for connection to other home security systems



BACK-UP PUMP COMBO SYSTEM

PC-SERIES

Save labor time! Complete systems are assembled and ready to drop in the pit!
All systems include primary pump (1/3 or 1/2 hp), back-up pump system, and 1-1/2" piping (batteries not included)

PC-Series

Save labor time!

Choose from either the Model 441 or 442 professional-grade battery back-up systems

441-Series

Standard back-up pump system

Models:

PC237-441

237 primary pump, 441 back-up

PC257-441

257 primary pump, 441 back-up

PC457-441

457 primary pump, 441 back-up

PCS37-441

S37 primary pump, 441 back-up

PCS37-P-441

S37-P primary pump and 441 back-up



PC 441-10A-Series

Intermediate level back-up pump system

Models:

PC237-441-10A

1/3 hp (Model 237 and 441-10A)

PC257-441-10A

1/3 hp (Model 257 and 441-10A)

PC457-441-10A

1/2 hp (Model 457 and 441-10A)

PCS37-441-10A

1/3 hp (Model S37 and 441-10A)

PCS37-P-441-10A

1/3 hp (Model S37-P and 441-10A)



Complete systems are assembled and ready to drop in the pit!
 All systems include primary pump (1/3 or 1/2 hp), back-up pump system, and 1-1/2" PVC piping (batteries not included)

442-Series

Professional-grade back-up pump system

Models:

PC237-442-10A

237 primary pump, 442-10A back-up

PC237-442-10A-EYE

237 primary pump, 442-10A-EYE back-up, wireless enabled

PC257-442-10A

257 primary pump, 442-10A back-up

PC257-442-10A-EYE

257 primary pump, 442-10A-EYE back-up, wireless enabled

PC457-442-10A

457 primary pump, 442-10A back-up

PC457-442-10A-EYE

457 primary pump, 442-10A-EYE back-up, wireless enabled

PCS37-442-10A

S37 primary pump, 442-10A back-up

PCS37-442-10A-EYE

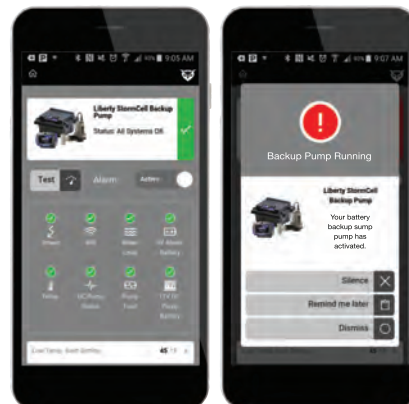
S37 primary pump, 442-10A-EYE back-up, wireless enabled

PCS37-P-442-10A

S37-P primary pump, 442-10A back-up

PCS37-P-442-10A-EYE

S37-P primary pump, 442-10A-EYE back-up, wireless enabled



NightEye®

NightEye® wireless enabled models available with the 442-Series

DRAIN PUMPS

Compact Size



Model 406

Compact Drain Pump

1/6 hp 1/8" Solids handling
115V or 200/230V

Short profile drain pump for gray wastewater removal

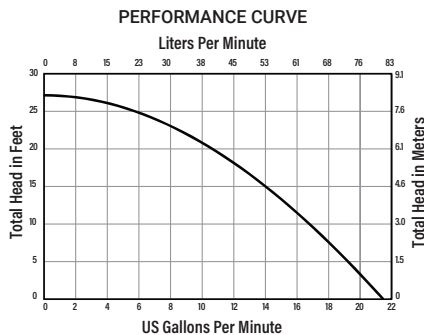
Features:

- Factory pre-assembled, ready to install
- Quiet automatic operation
- Short profile design for compact areas – only 10" 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 – 1", 1.25", 1.5", with integral check valve

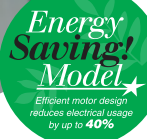
Applications Include:

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

Not designed for use with chemicals.



Compact Size



Model 404

Residential Drain Pump

1/3 hp 3/8" Solids handling
115V

Short profile drain pump for gray wastewater removal

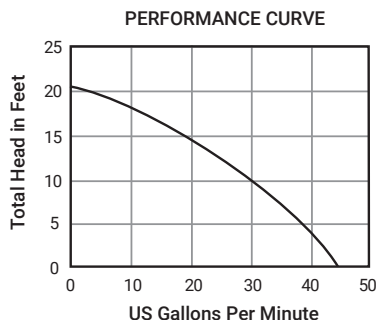
Features:

- Factory pre-assembled, ready to install
- Short profile design for compact areas – only 11" tall
- Separate access cover for easy float switch inspection (QuickTree®)
- 1-1/2" Inlet, vent, and discharge
- Integrally molded rubber gasket for a superior gas-tight seal
- Models available with integrated alarm (Standard or Wi-Fi enabled models available)

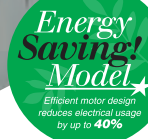
Applications Include:

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

Not designed for use with chemicals.



High-Temp



Model 405 (115V) Model 405HV (230V) Commercial Drain Pump

1/2 hp 3/8" Solids handling
115V or 230V

Commercial high-temperature high-head drain pump

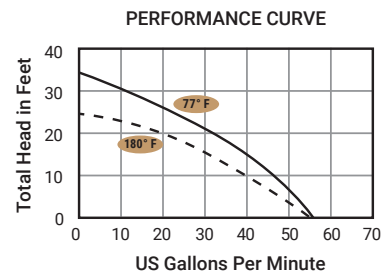
Features:

- Factory pre-assembled, ready to install
- Handles fluid temperatures to 180° F
- Separate access cover for easy float switch inspection (QuickTree®)
- 2" Inlet, vent, and discharge
- Integrally molded rubber gasket for a superior gas-tight seal
- Models available with integrated alarm (Standard or Wi-Fi enabled models available)

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.



ELEVATOR SUMP PUMP

ELV-Series OilTector®

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



Auto-Valve Systems and Duplex Systems



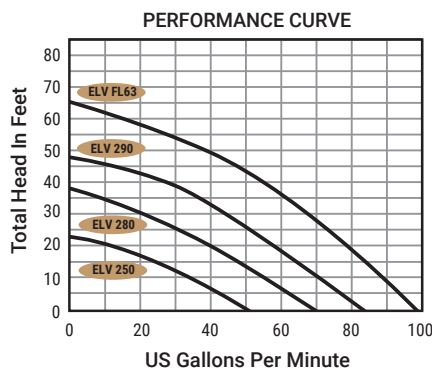
Consult factory for help with sizing, regional codes, and selection of proper model for your application.

Features:

- Models available in 1/3, 1/2, 6/10 and 3/4 hp
- 115V, 230V and 3-phase options available
- Auto-Valve and Duplex systems are available with optional oil holding tank and advanced touch-screen displays

See individual ELV literature sheets or Liberty Pumps website for complete product specifications, models, and options available.

Outdoor models available.



The Choice is Yours

Whether you prefer sleek finned motor housing with superior cooling efficiency or the traditional solid weight of heavy cast iron, Liberty Pumps proudly builds the most reliable sump pumps for the plumbing professional.

Cool Running

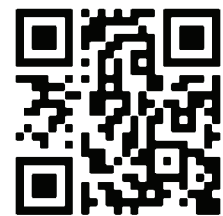


Classic Cast Iron



Scan and Learn More!

Liberty Pumps®





Cool Running.

Energy Efficient.



S30-Series

1/3 hp 115V
1-1/2" Discharge

Builder-series submersible sump pump with high intake ports to reduce potential jamming.

Features:

- Oil-filled motor with thermal overload protection
- Vortex-style impeller reduces clogging from foreign materials
- Dual bearing design
- Vertical heavy-duty float switch (S37 only)
- 10' Power cord (S38-2 25' power cord)
- Higher inlet ports reduce potential for debris to enter pump

Model S37

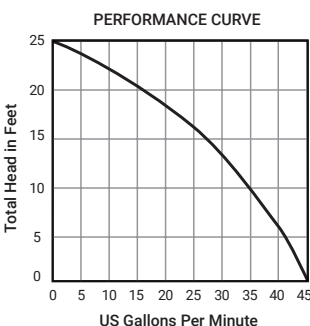
Vertical float switch

Model S37-P

Vertical float switch with series plug

Model S38

Wide-angle float switch with series plug



230-Series

1/3 hp 115V
1-1/2" Discharge

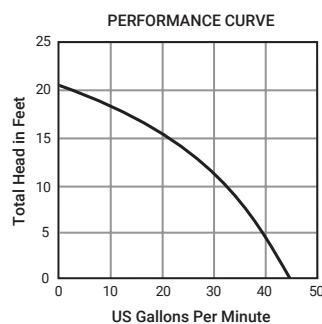
Lightweight, high performance submersible pump with deep finned aluminum housing for superior motor cooling.

Features:

- Energy efficient motor draws only 5.2A
- 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' and 25' lengths
- Oil-filled thermal protected motor



Available with Wide-Angle/Piggyback Float Switch



450-Series

1/2 hp 115V
1-1/2" Discharge

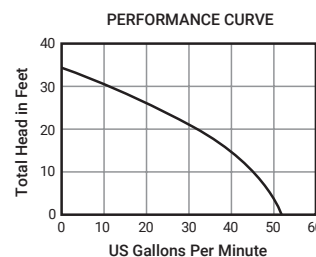
Cool running 1/2 hp sump pump features finned aluminum housing with quiet, efficient operation.

Features:

- Energy efficient motor draws only 7.5A
- 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' and 25' lengths
- Oil-filled thermal protected motor



Available with Wide-Angle/Piggyback Float Switch



240-Series

1/4 hp 115V
1-1/2" Discharge

A heavy-duty 1/4 hp pump with peripheral port inlets. Helps reduce debris from entering the pump.

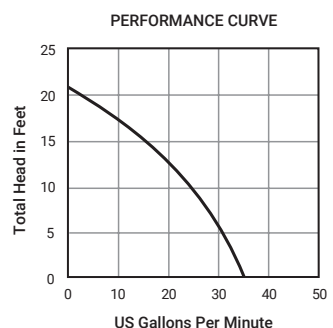
Features:

- Liberty Pumps unique uni-body casting — a one-piece cast iron housing that eliminates the motor seal ring
- Oil-filled motors with thermal overload protection
- Vortex-style impeller reduces clogging by foreign materials
- Quick-connect power cords available in 10' and 25' lengths

Other float switch options available.



Available with Wide-Angle/Piggyback Float Switch





Energy Saving! Model
Efficient motor design reduces electrical usage by up to 40%

250-Series

1/3 hp 115V
1-1/2" Discharge

Rugged and dependable heavy-duty cast iron pump with powder coat finish.

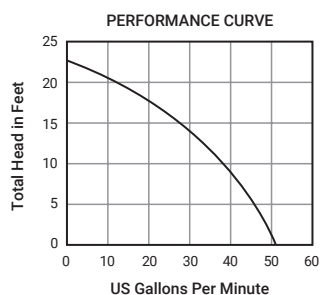
Features:

- Liberty Pumps unique uni-body casting — a one-piece cast iron housing that eliminates the motor seal ring
- Oil-filled motors with thermal overload protection
- Vortex-style impeller reduces clogging by foreign materials
- Quick-connect power cords available, 10' standard Other lengths available

Other float switch options available.



Available with Wide-Angle/Piggyback Float Switch



280-Series

1/2 hp 115V
1-1/2" Discharge

High-output 1/2 hp submersible pump with rugged cast iron housing.

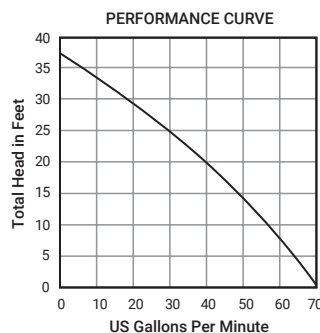
Features:

- Liberty Pumps unique uni-body casting — a one-piece cast iron housing that eliminates the motor seal ring
- Oil-filled motors with thermal overload protection
- Vortex-style impellers reduce clogging by foreign materials
- Quick-connect power cords available, 10' standard Other lengths available

Other float switch options available.



Available with Wide-Angle/Piggyback Float Switch



CSP-Series

Crawl space sump pump kit
1/3 and 1/2 hp models

For dewatering beneath 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. 1/3 and 1/2 hp models.

Features:

- Heavy-duty submersible sump pump
- Energy efficient motors use less electricity
- 15-3/4" x 16" Perforated polyethylene sump pit with cover
- 24' x 1-1/4" Flexible hose kit
- Check valve

System is unassembled.

Model CSP-237

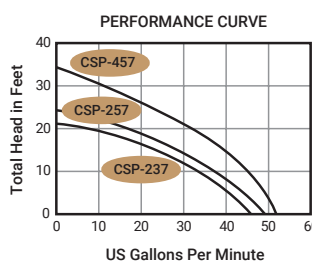
1/3 hp, 115V

Model CSP-257

1/3 hp, 115V

Model CSP-457

1/2 hp, 115V



SPAC Systems

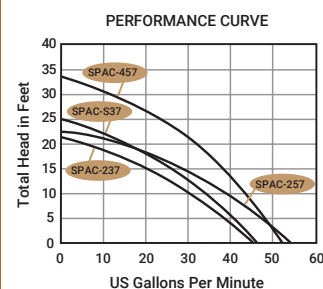
Assembled sump pump system with 1/3 or 1/2 hp sump pump. Molded pump platform helps to secure pump and reduce potential jamming from debris.

Features:

- 1/3 or 1/2 hp sump pump
- 18" x 22" Polyethylene injection molded sump pit and cover with gasket and hardware
- Pre-assembled with 1-1/2" Schedule 40 PVC discharge pipe
- Molded pump support platform raises pump off bottom of pit and helps secure pump during shipment
- Two 4" inlet hubs with rubber grommet seals provided
- Alarm and Wi-Fi enabled models available

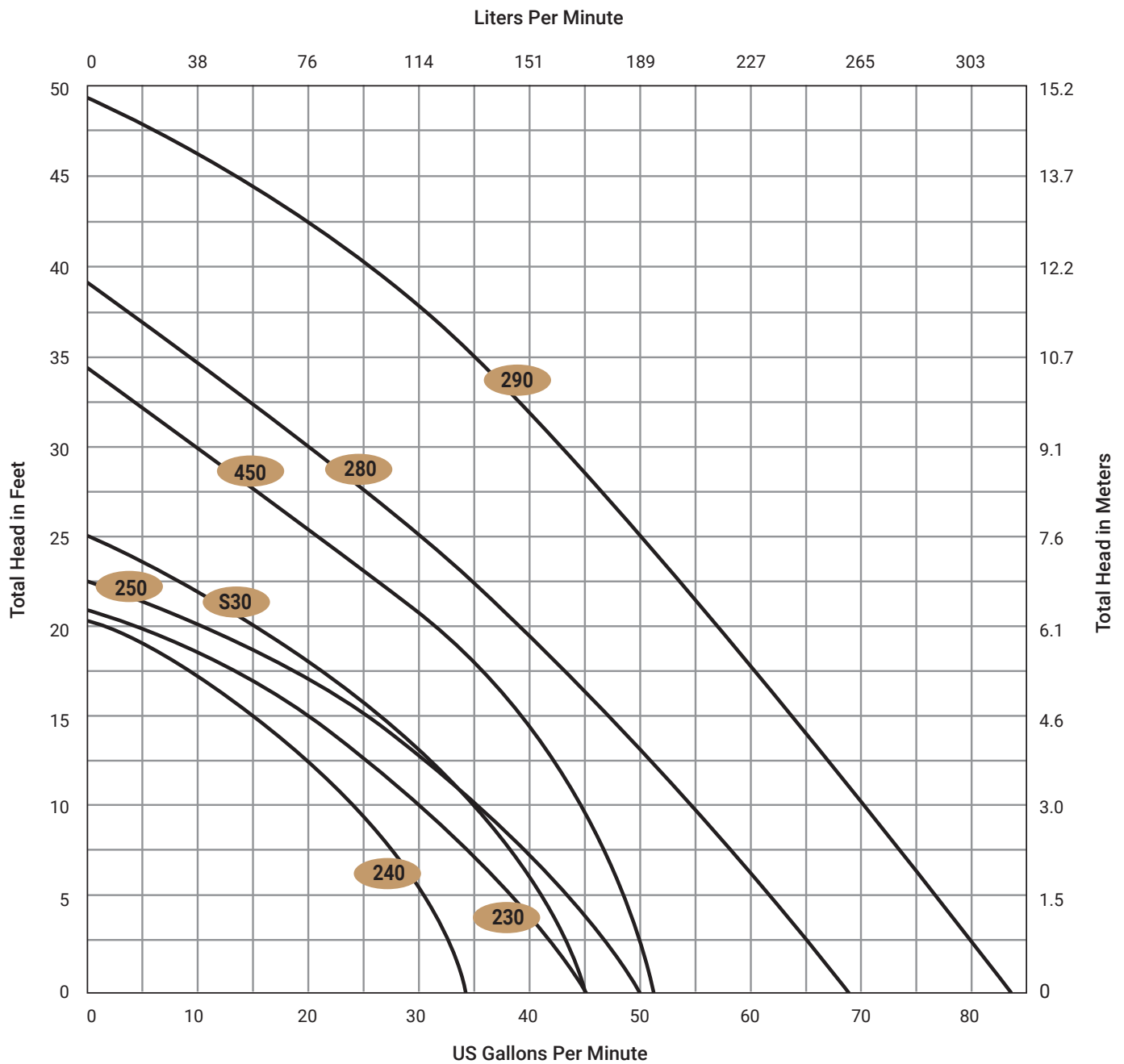
Models SPAC-237, SPAC-257, SPAC-S37, and SPACS37-P
1/3 hp

Model SPAC-457
1/2 hp



SUBMERSIBLE SUMP PUMPS

PERFORMANCE CURVE DATA



EFFLUENT PUMPS



FL30-Series

1/3 hp 3/4" Solids handling
1-1/2" Discharge

Provides efficient, low-cost pumping in low head on-site waste water systems, liquid waste transfer, and commercial sump applications. Built of heavy cast iron with stainless steel fasteners for years of reliable performance.

Features:

- Heavy cast iron construction
- All stainless steel fasteners
- Stainless steel rotor shaft
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- Vortex-style impeller

Model FL31M

115V, 10A, Manual
(no float switch)

Model FL31A

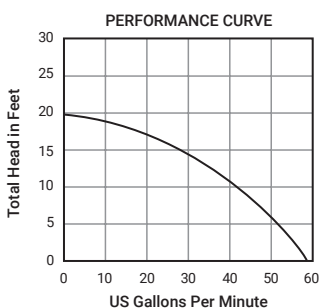
115V, 10A, Automatic

Model FL32M

208-230V, 5.5A, Manual
(no float switch)

Model FL32A

208-230V, 5.5A, Automatic



250-Series

1/3 hp 1/2" Solids handling
1-1/2" Discharge

A competitively priced effluent pump for low head on-site waste water systems, liquid waste transfer, and commercial sump applications. Constructed with Liberty Pumps unique one-piece cast iron housing.

Features:

- 1/3 hp, 115V, oil-filled thermally protected motor
- Permanently lubricated bearings
- Vortex-style impeller reduces clogging from foreign materials
- Stainless steel fasteners and rotor shaft

Model 250

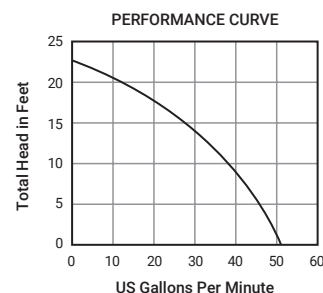
115V, 5.2A, Manual
(no float switch)

Model 251

115V, 5.2A, Wide-angle mechanical float switch, Quick-connect

Model 253

115V, 5.2A, Wide-angle mechanical float switch with series (piggyback) plug for manual bypass operation



280-Series

1/2 hp 3/4" Solids handling
1-1/2" 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.

Features:

- 1/2 hp, 115V, oil-filled thermally protected motor
- Permanently lubricated bearings
- Vortex-style impeller
- Stainless steel fasteners and rotor shaft

Model 280

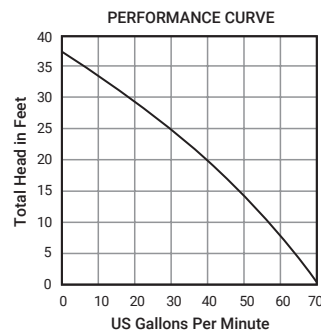
115V, 8A, Manual
(no float switch)

Model 281

115V, 8A, Wide-angle float switch, Quick-connect

Model 283

115V, 8A, Wide-angle float switch with series plug for manual bypass operation
208-230V, 4A model available



290-Series

3/4 hp 3/4" Solids handling
1-1/2" 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.

Features:

- 3/4 hp, 115V, oil-filled thermally protected motor
- Permanently lubricated bearings
- Stainless steel fasteners and rotor shaft
- Semi-open impeller

Model 290

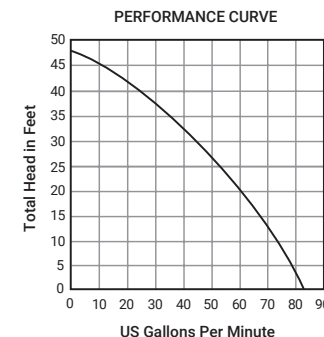
115V, 10.4A, Manual
(no float switch)

Model 291

115V, 10.4A, Wide-angle float switch, Quick-connect

Model 293

115V, 10.4A, Wide-angle float switch with series plug for manual bypass operation
208-230V, 5.3A model available





Patent: See
LibertyPumps.com/patents

FL50-Series

1/2 hp 3/4" Solids handling
1-1/2" or 2" Discharge

Mid-range effluent pump for on-site waste water systems and dewatering with higher head requirements. Built of heavy cast iron with stainless steel fasteners for years of reliable performance.

Features:

- Maximum head of 55'
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL51M

115V, 12A, Manual
(no float switch)

Model FL51A

115V, 12A, Automatic

Model FL52M

208-230V, 6.5A, Manual
(no float switch)

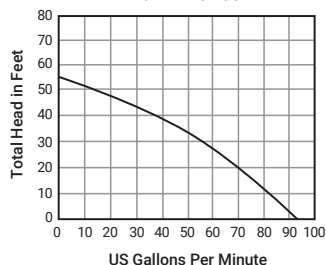
Model FL52A

208-230V, 6.5A, Automatic



**Dual Sized
Discharge**
1-1/2" or 2"

PERFORMANCE CURVE



FL60-Series and FLH60-Series

6/10 hp 3/4" Solids handling
1-1/2" or 2" Discharge

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

Features:

- Maximum head of 65' for FL60 and 69' for FLH60
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL62M

208-230V, 8.2A, Manual
(no float switch)

Model FL62A

208-230V, 8.2A, Automatic

Model FL63M

208/230V 3-phase, 5.6A, Manual

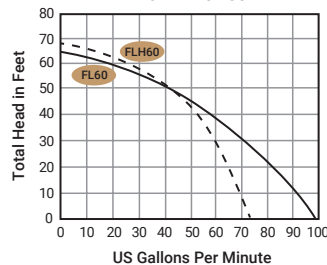
Model FL64M

440-480V, 3-ph, 2.8A, Manual



**Dual Sized
Discharge**
1-1/2" or 2"

PERFORMANCE CURVE



Patent: See
LibertyPumps.com/patents

FL70-Series

3/4 hp 3/4" Solids handling
1-1/2" or 2" Discharge

3/4 hp 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 77'
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL72M

208-230V, 10.5A, Manual
(no float switch)

Model FL72A

208-230V, 10.5A, Automatic

Model FL73M

208/230V 3-phase, 7.5A, Manual

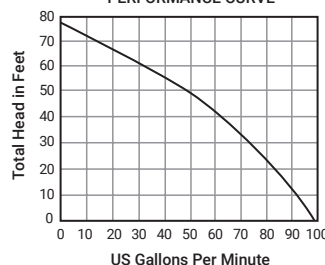
Model FL74M

440-480V, 3-ph, 3.5A, Manual



**Dual Sized
Discharge**
1-1/2" or 2"

PERFORMANCE CURVE



FL100-Series

1 hp 3/4" Solids handling
1-1/2" or 2" Discharge

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

Features:

- Maximum head of 89'
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL102M

208-230V, 12A, Manual
(no float switch)

Model FL102A

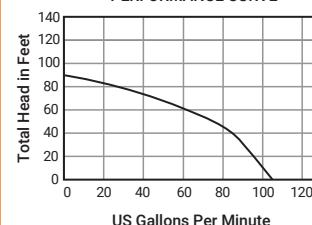
208-230V, 12A, Automatic

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



**Dual Sized
Discharge**
1-1/2" or 2"

PERFORMANCE CURVE



HIGH-TEMP PUMPS



FL150-Series

1-1/2 hp 3/4" Solids handling
1-1/2" or 2" Discharge

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

Features:

- Maximum head of 110'
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL152M

208-230V, 15A, Manual
(no float switch)

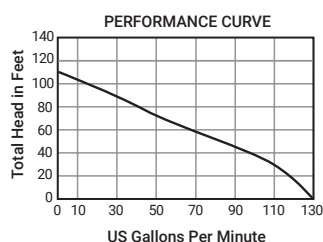
Model FL152A

208-230V, 15A, Automatic

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



**Dual Sized
Discharge**
1-1/2" or 2"



FL200-Series

2 hp 3/4" Solids handling
1-1/2" or 2" Discharge

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

Features:

- Maximum head of 127'
- Heavy cast iron construction
- Heavy-duty oil-filled thermally protected motor
- Stainless steel fasteners and rotor shaft
- Permanently lubricated bearings

Model FL202M

208-230V, 15A, Manual
(no float switch)

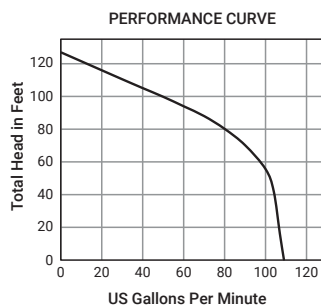
Model FL202A

208-230V, 15A, Automatic

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



**Dual Sized
Discharge**
1-1/2" or 2"



HT40-Series High-Temperature

4/10 hp 200°F
1-1/2" Discharge

A heavy-duty submersible pump designed for hot water applications up to 200°F. Common applications include boiler blowdown pits, hot water transfer, and condensate pits.

Features:

- Heavy-duty oil-filled motor, thermally protected
- Stainless steel fasteners and rotor shaft
- Cast iron construction
- Permanently lubricated ball bearings
- High temperature float switch on automatic model

Model HT41M

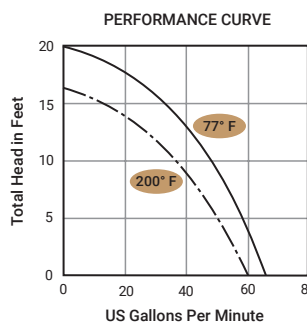
115V, 12A, Manual, 1550 RPM
(no float switch)

Model HT41A

115V, 12A, Automatic, 1550 RPM

Automatic model features a wide-angle float switch with piggyback style plug.

10' cord length standard. Consult factory for longer cord lengths.



HT450-Series High-Temperature

1/2 hp 180°F
1-1/2" 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

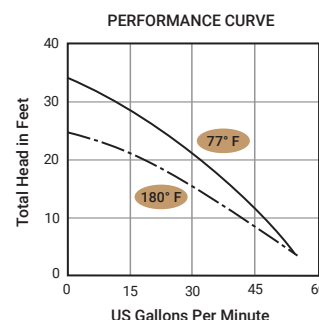
Model HT450

115V, 7.3A, Manual, 3450 RPM
(no float switch)

Model HT453

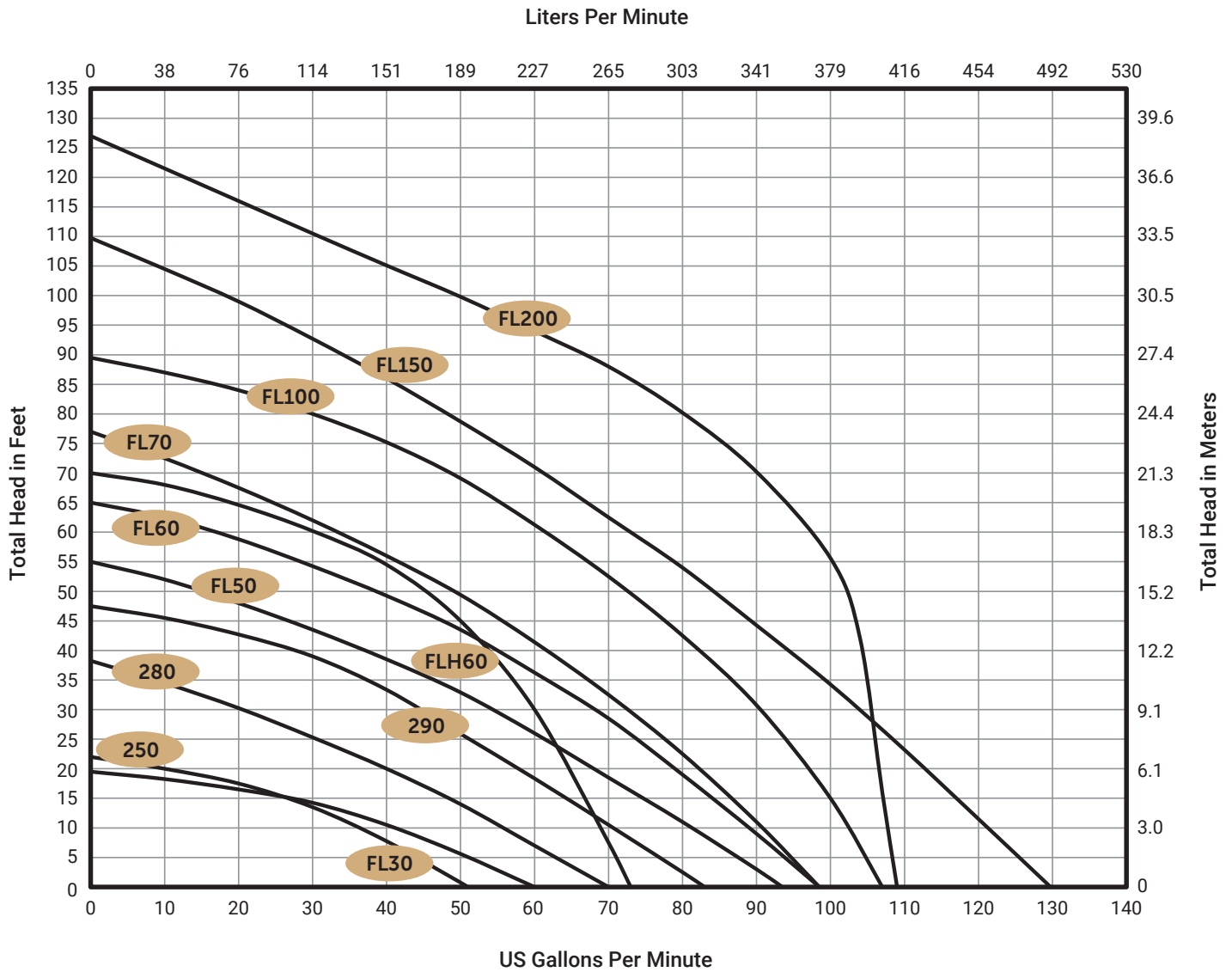
115V, 7.3A, Automatic with piggyback style plug, 3450 RPM

Not for use with chemicals.



EFFLUENT PUMPS

PERFORMANCE CURVE DATA



SEWAGE PUMPS



LE40-Series

**4/10 hp 2" Solids handling
2" Discharge**

Features:

- Heavy cast iron construction
- Vortex-style impeller made of corrosion resistant high temperature polymer
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- 10' Power cord with Quick-connect design standard (25' cord also available)
- Wide-angle float switch with series (piggyback) plug on automatic models

Model LE41M

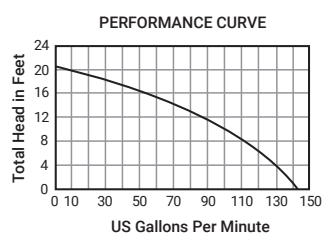
115V, 12A, Manual (no float switch)

Model LE41A

115V, 12A, Wide-angle float switch

Model LE41AV

115V, 12A, Vertical float switch



LE50-Series

**1/2 hp 2" Solids handling
2" Discharge**

Features:

- Heavy cast iron construction with 2 Vane semi-open corrosion resistant engineered thermoplastic elastomer impeller
- Oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- 10' Power cord with Quick-connect design standard (25' cord also available)
- Wide-angle float switch with series (piggyback) plug on automatic models

Model LE51M

115V, 12A, Manual (no float switch)

Model LE51A

115V, 12A, Wide-angle float switch

Model LE51AV

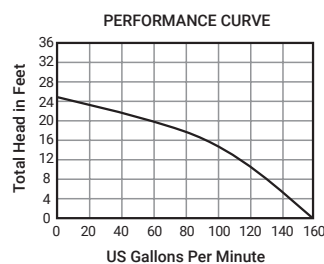
115V, 12A, Vertical float switch

Model LE52M

208-230V, 6.8A, Manual (no float switch)

Model LE52A

208-230V, 6.8A, Automatic



LE70-Series

**3/4 hp 2" Solids handling
2" or 3" 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' Power cord with Quick-connect standard on single-phase models (other cord lengths available)
- Wide-angle float switch with series (piggyback) plug on automatic models

Model LE71M

115V, 12A, Manual (no float switch)

Model LE71A

115V, 12A, Automatic

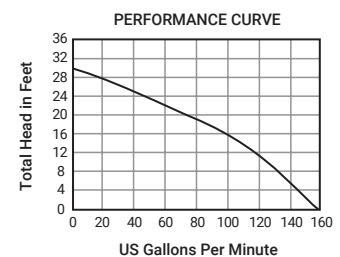
Model LE72M

208-230V, 6A, Manual (no float switch)

Model LE72A

208-230V, 6A, Automatic

Also available 208-230V, 440-480V



SEWAGE PUMPS



LE100-Series

1 hp 2" Solids handling
2" or 3" Flanged discharge

Features:

- Heavy cast iron construction
- 2 Vane, cast iron impeller
- Heavy-duty oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 10' Power cord with Quick-connect, standard on single-phase models (other cord lengths available)
- Wide-angle float switch with series (piggyback) plug on automatic models

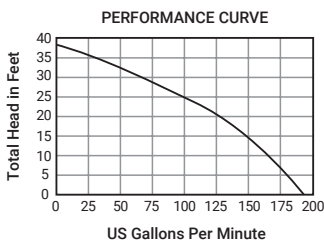
Model LE102M

208-230V, 8A, Manual
(no float switch)

Model LE102A

208-230V, 8A, Automatic

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



LEH100-Series

1 hp 2" Solids handling
2" or 3" Flanged discharge
High-Head

Features:

- Heavy cast iron construction
- 2 Vane, cast iron impeller
- Heavy-duty oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 10' Power cord with Quick-connect, standard on single-phase models (other cord lengths available)
- Wide-angle float switch with series (piggyback) plug on automatic models

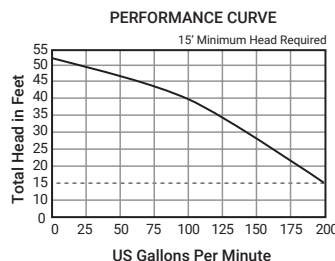
Model LEH102M

230V, 12A, Manual
(no float switch)

Model LEH102A

230V, 12A, Automatic

Also available in 208/30V 3-phase,
440-480V 3-phase, and 575V 3-phase.



LEH150-Series

1.5 hp 2" Solids handling
2" or 3" Flanged discharge
High-Head

Features:

- Heavy cast iron construction
- Cast iron impeller
- Heavy-duty oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 25' Power cord with Quick-connect, standard on all models (other cord lengths available)
- Wide-angle float switch with series (piggyback) plug on all models

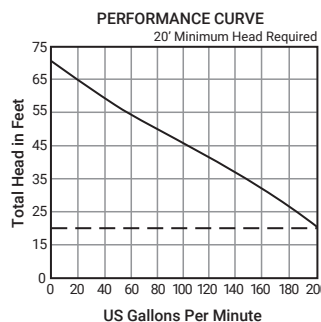
Model LEH152M

208-230V, 15A, Manual
(no float switch)

Model LEH152A

208-230V, 15A, Automatic

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



LEH200-Series

2 hp 2" Solids handling
2" or 3" Flanged discharge
High-Head

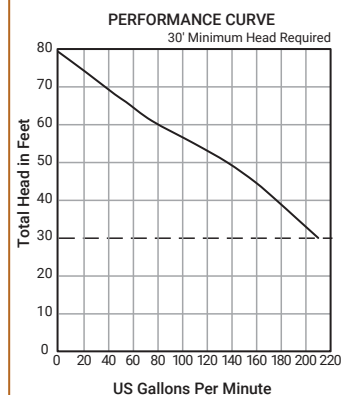
Features:

- Heavy cast iron construction
- Cast iron impeller
- Heavy-duty oil-filled thermally protected motor
- Permanently lubricated bearings
- All stainless steel fasteners
- Stainless steel rotor shaft
- Single and 3-phase models
- 25' Power cord with Quick-connect, standard on all models (other cord lengths available)
- LEH200-Series requires a control panel for automatic operations

Model LEH202M

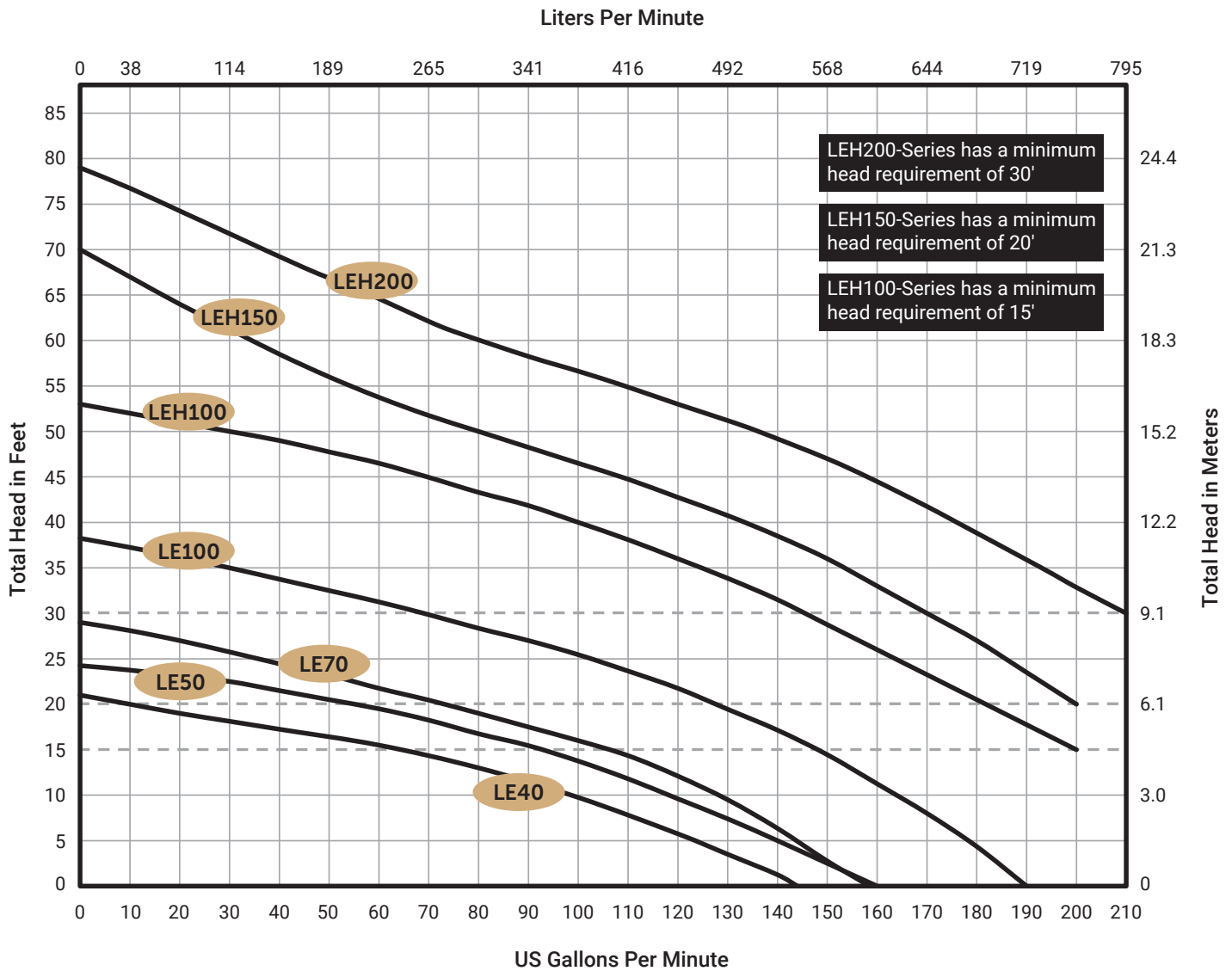
230V, 18A, Manual
(no float switch)

Also available in 208/230V 3-phase,
440-480V 3-phase, and 575V 3-phase.



SEWAGE PUMPS

PERFORMANCE CURVE DATA



commercialseries

SEWAGE PUMPS



LSS150-Series

**1.5 hp 2-1/2" Solids handling
Open 2 vane impeller
3" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSS152

200/230V, 12A, Horizontal

Model LSS153

200/230V, 7.5A, Horizontal

Model LSS154

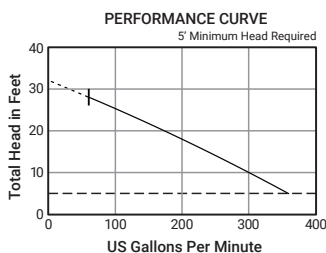
460V, 3.7A, Horizontal

Model LSS155

575V, 2.9A, Horizontal



**Also available
in vertical
discharge**



LSS200-Series

**2 hp 2-1/2" Solids handling
Open 2 vane impeller
3" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSS202

200/230V, 13.7A, Horizontal

Model LSS203

200/230V, 9A, Horizontal

Model LSS204

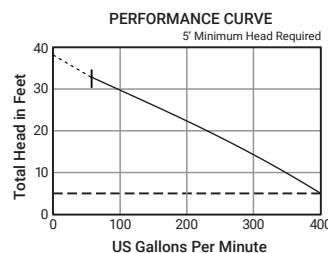
460V, 4.3A, Horizontal

Model LSS205

575V, 3.4A, Horizontal



**Also available
in vertical
discharge**



LSS300-Series

**3 hp 2-1/2" Solids handling
Open 2 vane impeller
3" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSS302

200/230V, 18A, Horizontal

Model LSS303

200/230V, 13.6A, Horizontal

Model LSS304

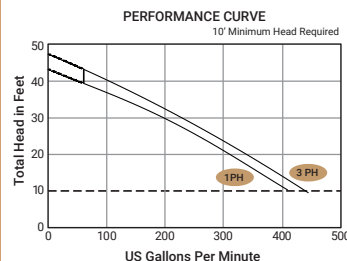
460V, 6.3A, Horizontal

Model LSS305

575V, 5.3A, Horizontal



**Also available
in vertical
discharge**



LSS500-Series

**5 hp 2-1/2" Solids handling
Open 2 vane impeller
3" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSS502

200/230V, 22.5A, Horizontal

Model LSS503

200/230V, 19A, Horizontal

Model LSS504

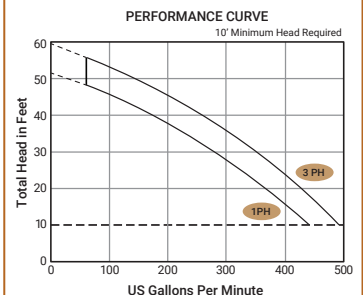
460V, 9A, Horizontal

Model LSS505

575V, 7.4A, Horizontal

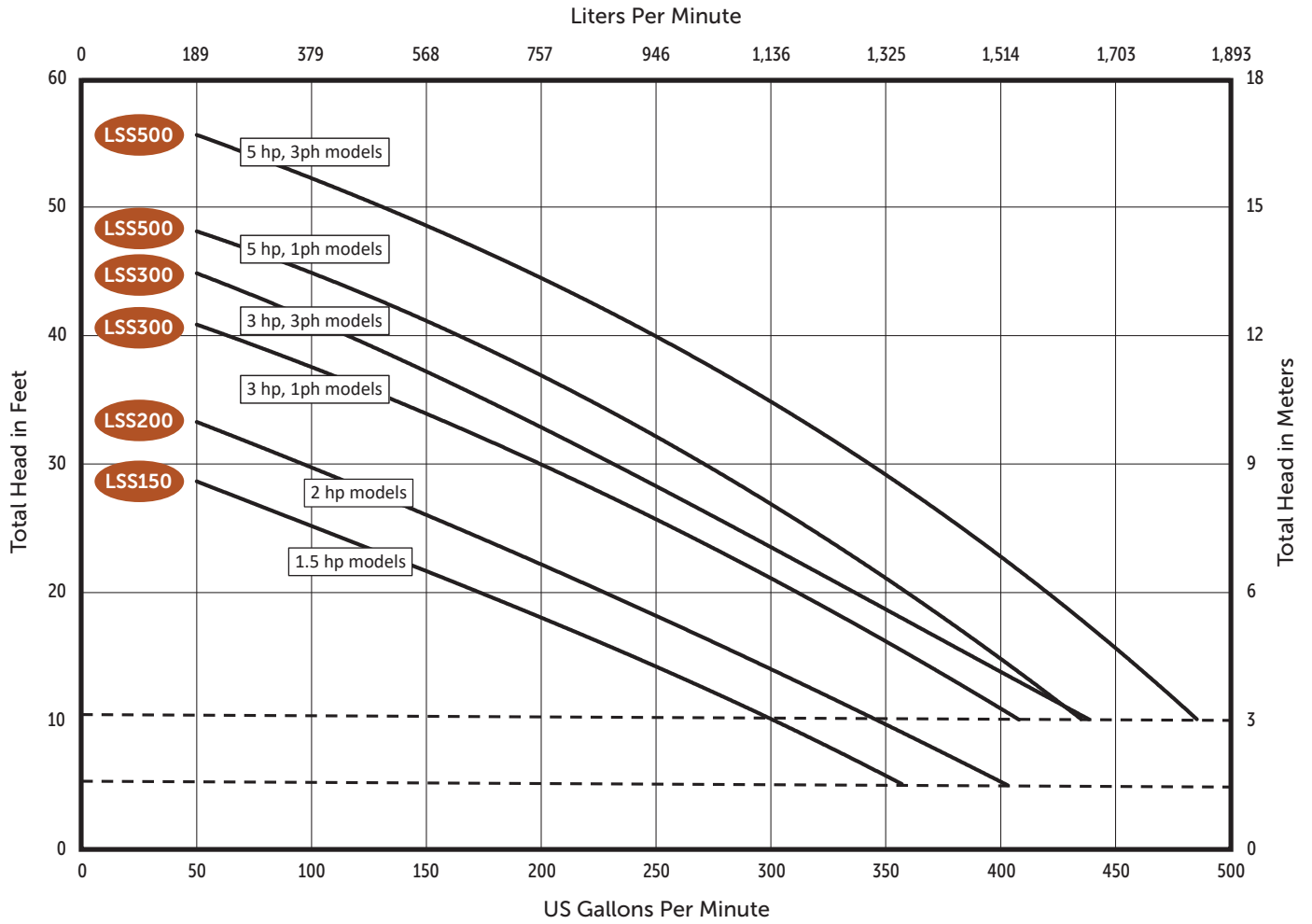


**Also available
in vertical
discharge**



commercialseries

PERFORMANCE CURVE DATA



commercialseries

SEWAGE PUMPS



LSV150-Series

**1.5 hp 3" Solids handling
Vortex impeller
4" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSV152
200/230V, 11.6A, Horizontal

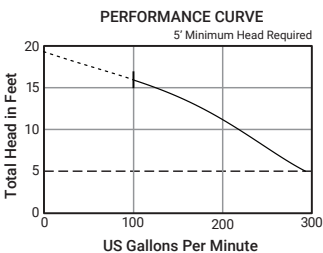
Model LSV153
200/230V, 7.5A, Horizontal

Model LSV154
460V, 3.6A, Horizontal

Model LSV155
575V, 2.6A, Horizontal



**Also available
in vertical
discharge**



LSV200-Series

**2 hp 3" Solids handling
Vortex impeller
4" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSV202
200/230V, 14.2A, Horizontal

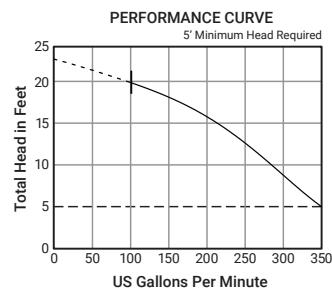
Model LSV203
200/230V, 9.7A, Horizontal

Model LSV204
460V, 4.9A, Horizontal

Model LSV205
575V, 3.8A, Horizontal



**Also available
in vertical
discharge**



LSV300-Series

**3 hp 3" Solids handling
Vortex impeller
4" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSV302
200/230V, 18.6A, Horizontal

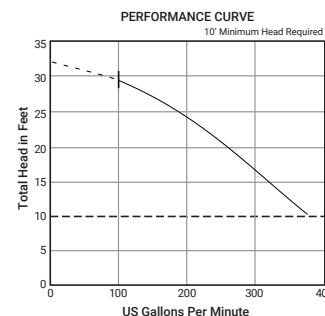
Model LSV303
200/230V, 13A, Horizontal

Model LSV304
460V, 6A, Horizontal

Model LSV305
575V, 4.8A, Horizontal



**Also available
in vertical
discharge**



LSV500-Series

**5 hp 3" Solids handling
Vortex impeller
4" ANSI discharge**

Features:

- Cast iron construction with epoxy powder coating
- Stainless steel hardware
- Silicon Carbide/Silicon Carbide seal
- Buna-N O-ring seals
- Quick-connect power cords in 35', 50', or 100' lengths
- Thermal protector on 1-phase models
- Cast iron impeller

Model LSV502
200/230V, 21A, Horizontal

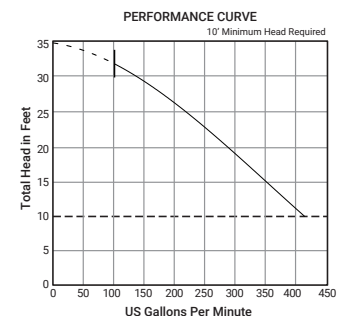
Model LSV503
200/230V, 14.2A, Horizontal

Model LSV504
460V, 7.3A, Horizontal

Model LSV505
575V, 5.9A, Horizontal

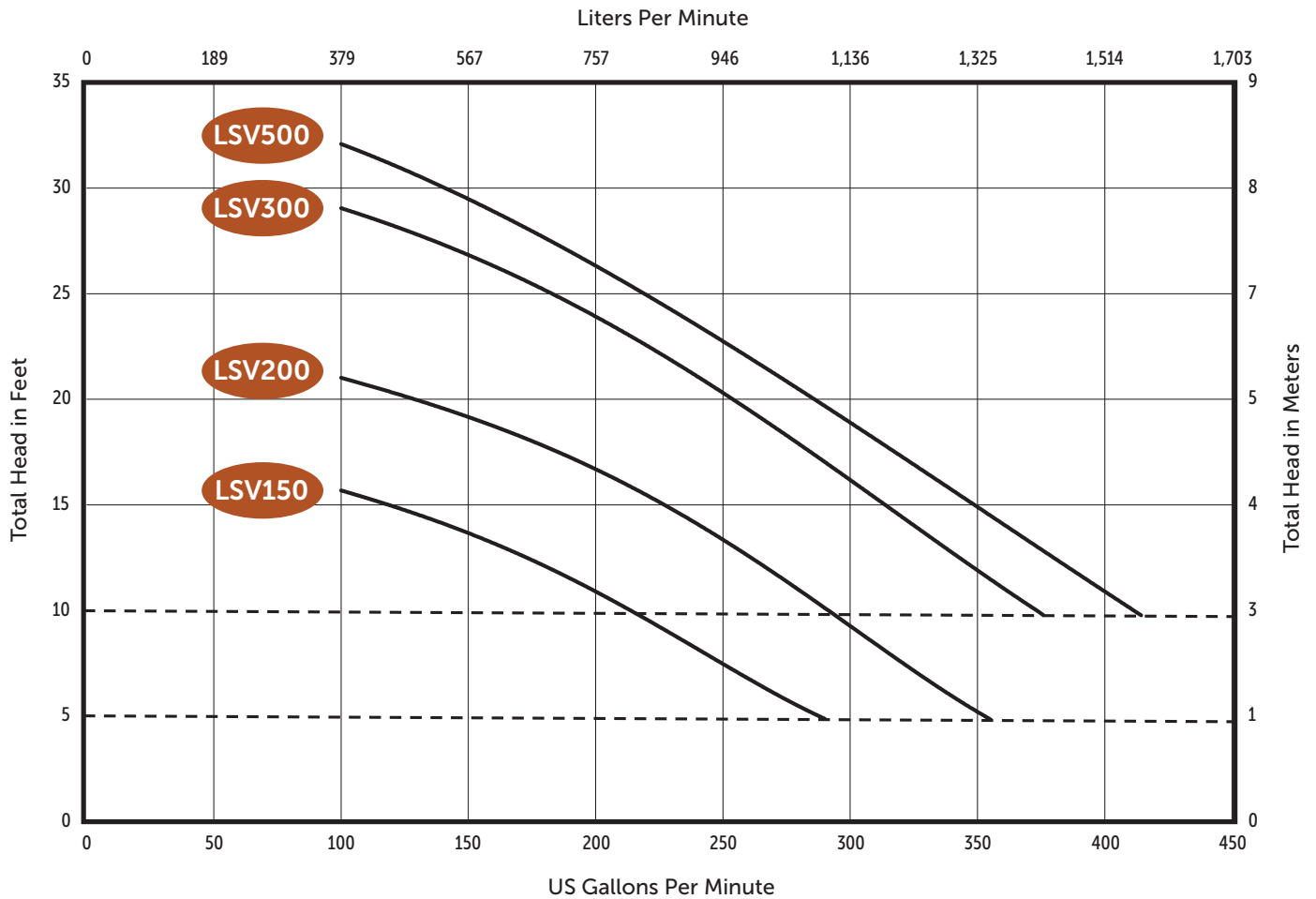


**Also available
in vertical
discharge**



commercialseries

PERFORMANCE CURVE DATA



GR3/GR4 Series

Guide Rails

Features:

- Class 30 heavy cast iron construction
- Sized for 2" rail pipes (not included)
- Durable nitrile sealing grommet
- Upper stainless steel rail support and mid guide rail support bracket included
- Powder coated for corrosion resistance
- Available in 3" and 4" ANSI®
- Maximum pump weight 750 lbs (340 kg)

Model GR3-ANSI

3" ANSI size

Model GR4-ANSI

4" ANSI size



Mid Support Bracket



For use with LSS-Series and LSV-Series pumps

EXPLOSION-PROOF SUBMERSIBLE PUMPS

X-Series™

For Hazardous
Locations



XFL-Series Effluent Pumps

Features:

- 3/4" Solids handling
- Dual-sized discharge: 1-1/2" or 2"
- Heavy cast iron construction
- Dual shaft seals
- Seal fail sensor
- Cast iron impeller (bronze optional)



XLE-Series Sewage Pumps

Features:

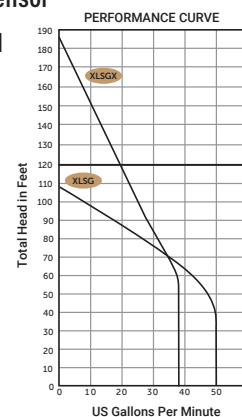
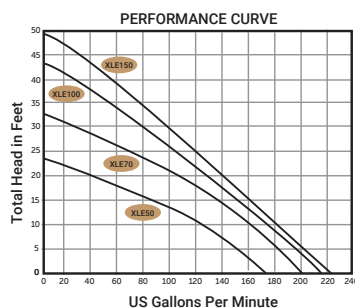
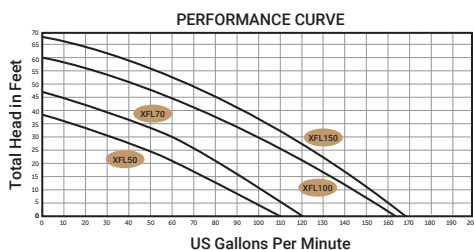
- 2" Solids handling
- Dual-sized discharge: 2" or 3"
- Heavy cast iron construction
- Dual shaft seals
- Seal fail sensor
- Cast iron impeller (bronze optional)



XLSG and XLSGX-Series Grinder Pumps

Features:

- V-Slice® Cutter Technology
- Heavy cast iron construction
- Dual shaft seals
- Seal fail sensor
- Single and 2-stage models available



BIM Models Now Available!

Class 1, Division 1, Groups C and D - Class 1, Zone 1, Groups IIA and IIB



Non-sparking Guide Rail Models
available for effluent, sewage
and grinder pumps

ISS and ISD Intrinsically Safe Control Panels

Features:

- Intrinsically safe relays and wiring terminals for float switch controls
- NEMA 4X enclosure
- Magnetic motor contactor(s)
- Hand-Off-Auto switch(es)
- Green pump run indicator(s)
- Terminal block for easy wiring
- Red alarm beacon
- Audible horn (83-85 db)
- Auxiliary dry contacts
- Seal fail indicator light(s) and test switch
- Prewired for run capacitor (1-phase models)*

Consult factory for extensive list of panel options

*Run capacitors sold separately. See control panel literature.





LSG-SERIES GRINDER PUMPS

LSG200-Series Grinder Pump Single-Stage



LSGX200-Series Grinder Pump 2-Stage



Patent: See
LibertyPumps.com/patents

PATENTED V-SLICE® CUTTER TECHNOLOGY 2 hp, 1-1/4" Discharge

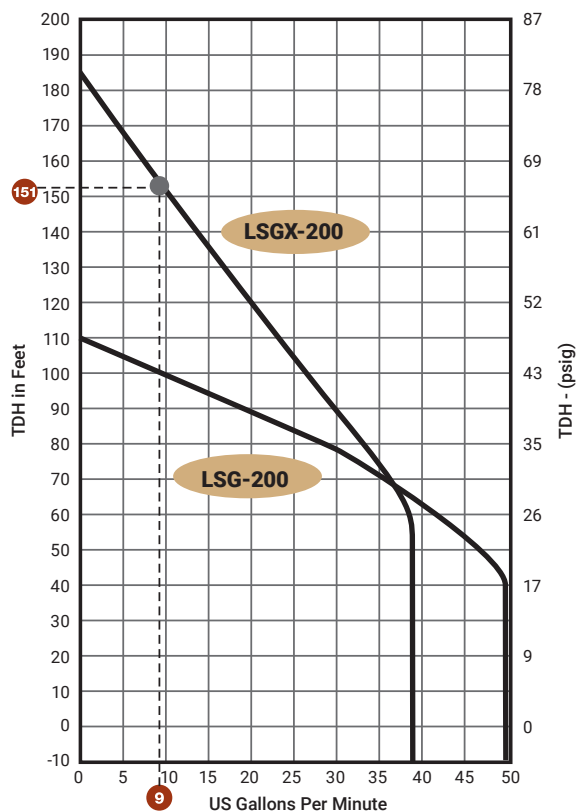
Features:

- One-piece cast iron housing
- Dual shaft seals
- Advanced V-Slice® Cutter Technology made of hardened stainless steel for superior shredding
- 25' Quick-connect power cord
- Solid state starting circuit
- Stainless steel impeller
- Internal and external capacitor models available

Available Voltages:

- 208-230V, 1-Phase
- 208/230V 3-Phase
- 440-480V, 3-Phase
- 575V, 3-Phase

PERFORMANCE CURVE



GR20 Guide Rail



See page 36 for details

GR90

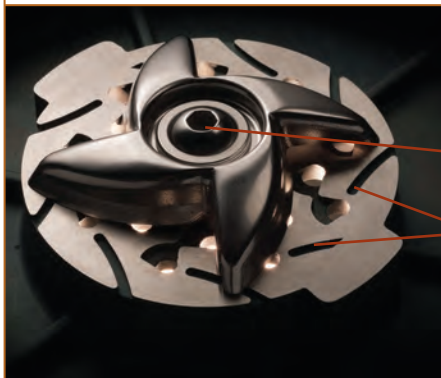


Patented V-Slice® Cutter Technology

- 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



QUICK-SHIP PRE-ASSEMBLED SYSTEMS

Simplex Grinder Packages 2400-Series

2448LSG Basin Size 24" x 48"

2460LSG Basin Size 24" x 60"

2472LSG Basin Size 24" x 72"

2484LSG Basin Size 24" x 84"

2496LSG Basin Size 24" x 96"

3000-Series

3036LSG Basin Size 30" x 36"

3048LSG Basin Size 30" x 48"

3060LSG Basin Size 30" x 60"

3072LSG Basin Size 30" x 72"

3084LSG Basin Size 30" x 84"

3096LSG Basin Size 30" x 96"



2 hp Grinder Pump

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:

- 2 hp grinder pump, available in various voltages
- Fiberglass basin with 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 pre-mounted at factory-set levels

- All stainless steel fasteners
- 1-1/4" Schedule 80 PVC discharge piping with ball valve and check valve
- ALM-2W alarm and NEMA 4X wiring box on 2448LSG, 3036LSG, and 3048LSG
- NEMA 4X simplex panel with alarm on 2460LSG, 3060LSG, and larger

Custom sizes available.

For complete package specifications and other available options, consult the factory at 1-800-543-2550.



Duplex Grinder Packages D3600-Series

D3648 Basin Size 36" x 48"

D3660 Basin Size 36" x 60"

D3672 Basin Size 36" x 72"

D3684 Basin Size 36" x 84"

D3696 Basin Size 36" x 96"

D36120 Basin Size 36" x 120"

2 hp Grinder Pump

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

Features:

- 2 hp grinder pumps, available in various voltages
- Available in single or 2-stage
- 4" 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
- Matching duplex control panel included

Custom sizes available.

For complete package specifications and other available options, consult the factory at 1-800-543-2550.

RE/REX Series



Retro-Fit Systems for E/One® Grinder Packages

Engineered as an easy drop-in core replacement for E/One® GP200, GP2000, and Extreme D-Series 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 2-stage designs

LSG202-RE

208/230V, 15A, 2 hp, 60 Hz

LSG202-REX

208/230V, 15A, 2 hp, 60 Hz

LSGX202-RE

208-230V, 15A, 2 hp, 60 Hz

LSGX202-REX

208-230V, 15A, 2 hp, 60 Hz

E/One® is a registered trademark of Environment One Corporation

CUSTOM ENGINEERED PUMP SYSTEMS

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...

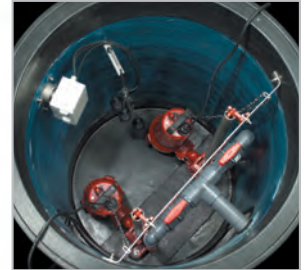
With a wide variety of basin sizes available, Liberty Pumps can provide any configuration with options like anti-flotation collars, guide rails, and an assortment of covers. You tell us the size you need.

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 here to help you select the correct pump for your application.

Control Panels...

Simplex or duplex, indoor or outdoor, we've got any control 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 control 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 48 inches. 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

ASCENT™ II

MACERATING TOILET



Toilet IAPMO Listed ASME
A112.19.2/CSA B45.1

Toilet IAPMO Listed,
File No. 8057, to EPA HET
1.28 gpf requirements.



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



Patent: See
LibertyPumps.com/patents

Ascent™ II

Macerating Toilet System



IST™ Intelligent Switch Technology and Functional Touchpad
LED display informs of Power on, Alarm Condition, and Low Battery Alarm. Touchpad on cover allows for manual run of 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 heavy duty stainless steel cutter blades provides superior cutting compared to other macerating toilets.

Toilet: 1.28 GPF WaterSense® rated. Insulated tank eliminates sweating. Available in elongated and round front. Slow-close toilet seat included.

RazorCut™ Technology
features heavy-duty stainless steel cutter blades.



Specifications

Hp: 1/2

Volts: 115

Hz: 60

Amps: 7.9

RPM: 3450

Thermally protected with automatic reset

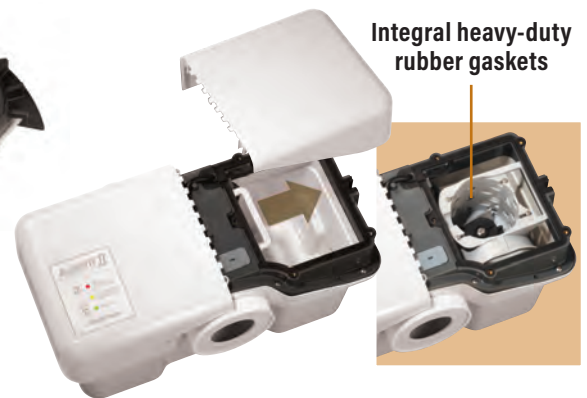
Alarm: 115V with 9-volt battery backup

Tank Material: ABS

Cutter Blades: Stainless steel

Power Cord: 8', white, right-angle plug holds close to wall

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



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

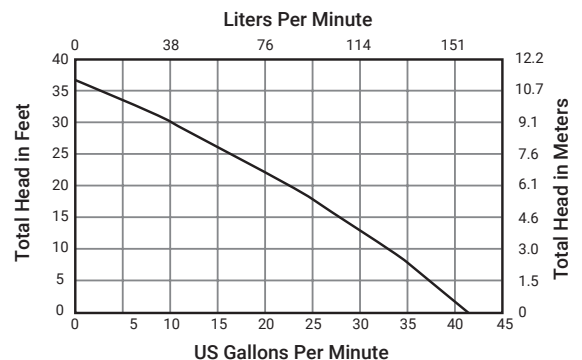
Extension Pipe

#K001184 (sold separately)

Includes decorative trim ring for a more professional looking installation. 18" length works with 2" x 4" or 2" x 6" wall.



PERFORMANCE CURVE



Note: Maximum shut-off head is 36'. Usable maximum head assuming 150' of lateral discharge through 1" pipe is 25'. Consult factory for proper sizing and calculation of friction loss.



Macerator CSA Certified
to ASME A112.3.4 and
CSA B45.9.



Qualifies with CSA B651 when installed with trip lever on approach side and flush actuation force of less than 5 lbs.



PRO-SERIES

PRE-ASSEMBLED SYSTEMS

2" Solids Handling Models

Patent: See
LibertyPumps.com/patents



Pro370-Series 41 Gallon Simplex System

Basin size: 21" x 30"

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 21" x 30" polyethylene basin with reinforcing ribs for improved structural strength



Pro380-Series 41 Gallon "Shallow" Simplex System

Short System with Large 41 Gallon capacity!

Basin size: 24" x 24"

Shipped completely assembled, the Pro380-Series offers larger capacity in a shallow basin design. Only 24" high, the Pro380 is perfect for bedrock and difficult soil conditions. Total capacity - 41 gallons!

- Durable 24" x 24" polyethylene basin with new reinforcing ribs for improved structural strength



Pro680 Duplex Package

Features:

- Dual LE-Series pumps 115 or 230V
- Two - 2" discharge outlets
- 2" Vent (3" optional)
- Side 4" inlet hub (top inlet is optional)
- IAPMO listed shallow profile basin - only 24" tall
- Passes 10' stack test
- Suitable for direct-on-floor installations
- QuickTree® float switch system - allows easy removal of float switches
- Robust 16 bolt cover
- Ships with PDC duplex control and alarm

PDC Duplex Control and Alarm

Available in NEMA 1 or NEMA 4X



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 4" flexible couplings
- Over 50% more total capacity than standard 18" x 30" basins
- 2" 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

Available with pre-mounted alarm option and NightEye® wireless enabled alarms.

QuickTree® Kit

Simply order a QuickTree® Kit and manual LE-Series pump on unassembled systems.

QuickTree® Kit comes complete with stainless steel rod, pump float switch, and clamps pre-mounted.



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 8" basin extension increases inlet to top-of-tank height allowing for longer inlet runs. Exclusively fits all Liberty Pumps Pro-Series systems. Includes gasket, hardware, and extended QuickTree®. Passes 10' stack test!



X8-D Basin Extension

For Pro680 and ProVore680 Systems

Order a Factory Mounted Alarm System!



ALM-2W
Outdoor Rated
115V Alarm
(not shown)



ALM-2 (pictured)
Indoor 115V Alarm with 9-volt Battery Backup

**NightEye® Wireless Enabled
Models Available!**

Pro380-SD Series Side Discharge Models Available

Consult Pro380-SD sales literature for more information.

Available with LE40 or LE50-Series Pumps.



ARC18 Access Riser with Cover 18" high

For direct burial of Pro370, Pro380 and Pro680* systems up to 18" 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. (*See Pro680 series literature sheet for specific burial requirements.)

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

IKIT2-115
115V, 2" Kit

IKIT2-230
230V, 2" Kit

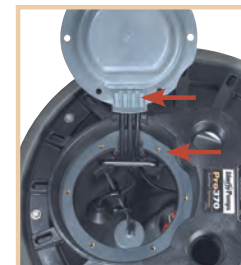
Systems Feature QuickTree® Technology

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

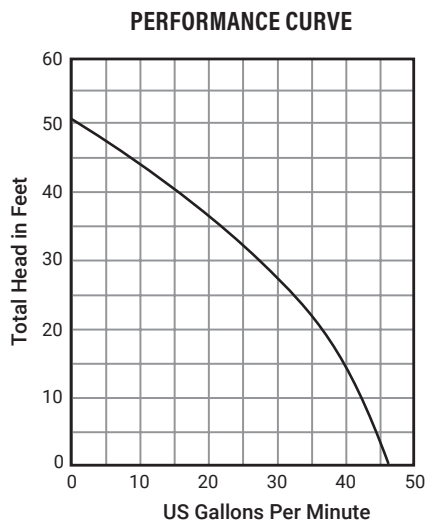
1 hp
115V or 230V
2" Discharge

The ProVore® brings Liberty Pumps patented V-Slice® Cutter Technology to sewage applications. Powered by a 1 hp motor, this smaller grinder is designed to operate on a standard 115 or 230V circuit - requiring only a 20A breaker. No special wiring is needed.

Featuring a 2" 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 46 GPM, the ProVore® provides adequate scouring in 2" discharge lines with lower pumping heads commonly found in residential basement installations.*

*Not for use on 3" discharge systems or systems with higher heads. Consult factory for proper sizing when replacing existing 4/10 hp or 1/2 hp solids handling sewage pumps.

- Heavy cast iron construction
- Patented V-Slice® Cutter Technology
- 10' Quick-connect power cord (25' and 50' optional)
- 2" Discharge
- Wide-angle piggyback style float switch
- 115V or 230V, 1-phase



Patent: See
LibertyPumps.com/patents



Patented V-Slice® Cutter Technology

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

Model PRG101M
115V, 12A, Manual

Model PRG101A
115V, 12A, Wide-angle float switch

Model PRG101AV
115V, 12A, Vertical float switch

Model PRG102M
230V, 6A, Manual

Model PRG102A
230V, 6A, Wide-angle float switch

ProVore®

GRINDER SYSTEMS



Patent: See
LibertyPumps.com/patents

ProVore® 380

QuickTree® Technology

ProVore® 380 Simplex Package

Features:

- 1 hp ProVore® grinder, 115 or 230V
- 2" Discharge and vent
- XL-Series IAPMO listed shallow profile basin - only 24" tall
- Passes 10' stack test
- 41 Gallon 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

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



PRG-Series side discharge models available.
Consult ProVore380-SD sales literature for more information.



Compact Duplex System!

ProVore® 680

QuickTree® Technology

ProVore® 680 Duplex Package

Features:

- Dual - 1 hp ProVore® grinders in 115 or 230V
- Two - 2" discharge
- 2" Vent (3" optional)
- Side 4" inlet hub (top inlet is optional)
- IAPMO listed shallow profile basin - only 24" tall
- Passes 10' stack test
- 46 Gallon capacity
- Suitable for direct-on-floor installations
- QuickTree® float switch system - allows easy removal of float switches
- Robust 16 bolt cover
- Ships with PDC duplex control and alarm

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



PDC Duplex Control and Alarm

Available in NEMA 1 or NEMA 4X

PRE-ASSEMBLED SYSTEMS



1100-Series 110 Gallon Duplex System

Basin size: 30" x 36"

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" or 3" Discharges (2" only on PRG-Series)
- 2" or 3" Threaded vent flange
- 4" Inlet hub
- Available completely pre-assembled from the factory. Float switches for control panel are pre-mounted in basin when control panel is ordered with a pre-assembled system. Control panel sold separately.

Available pre-assembled with any of Liberty Pumps LE-Series sewage 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 factory for other sizes not shown. 1-800-543-2550.



700-Series 70 Gallon Simplex System

Basin size: 24" x 36"

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

Features:

- Fully assembled
- Torque stops to secure pump in proper position
- 2" or 3" Discharge (LE-Series) (2" only on PRG-Series)
- 2" or 3" Threaded vent flange
- 4" Inlet hub
- Total capacity: 70 US gallons

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

See pump section for specific performance curves and pump specifications.

LOW PROFILE SYSTEMS



LowPro41LP

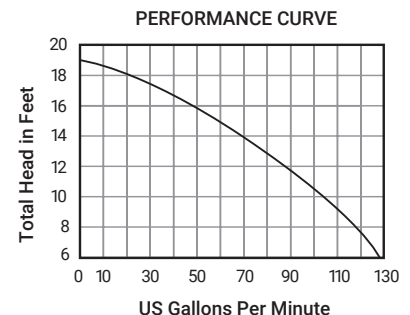
Low Profile Sewage System

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

Model LowPro41LP
115V, 4/10 hp

Features:

- 4/10 hp Sewage pump
- Powerful internal spray helps break down solids and circulate fluid
- Durable, low profile polyethylene tank
- Heavy-duty 2" check valve
- Closet flange
- Closet flange spacers
- Additional inlet grommet provided for lavatory or shower
- Fully assembled from the factory (Toilet not included)



ECONOMY DUPLIX CONTROL



5050-Series

Alternating control and alarm for duplex sump pump applications

The 5050 duplex control provides alternating operation of two 120V pumps. Plug-in ready wiring makes installation easy! Simply plug the pumps into the provided receptacles. No hardwiring required.

Features:

- NEMA 1 indoor rated enclosure
- Automatically alternates pump operation - equalizing wear and extending pump life
- Factory installed 10' power cord
- Factory wired float switches - available in wide-angle or vertical style
- Green power on indicator
- Green pump run indicators
- Audible and visual alarm
- Normal/silence switch externally mounted for easy operation
- Receptacles are angled to accept standard or right-angled plugs

Models:

**5050W
Wide-Angle
Float Switch**

**5050V
Vertical
Style Float
Switch**



5050V Shown

IP-SERIES™ CONTROLS



IP-Series™

Intelligent Panel Series with float-less technology!

- Simplex
- Duplex



IP-Series™ control panels incorporate programmable pump features through a simple, easy-to-use touchpad on the inner door. Now pump programming and system monitoring is easier than ever!

Features:

- NEMA 4X weatherproof enclosure for indoor/outdoor mounting
- Float-less level sensor is compact and eliminates multiple wide-angle float switches for controlling pumps
- Redundant "ALARM" float switch included for added security
- Easy-to-use touchpad for programming pump on/off levels and alarm level
- Separate control and alarm fuses
- Digital display board for system monitoring
- Alarm beacon and horn provide audio/visual warning of alarm condition
- Auxiliary contacts
- Control panel is field convertible for either demand dose or timed dose applications
- Inner panel door provides increased safety
- Instruction label on inside cover for viewing and programming digital display

STANDARD CONTROLS



Simplex & Duplex Control Panels

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 115V to 575V 3-phase. NEMA 1 and NEMA 4X enclosures. Consult factory for ordering information and other options not shown.

PDC-Series Duplex Control

Designed for use with Pro680-Series systems.

Features:

- 115 or 230V
- Plug-in ready wiring
- Automatically alternates pump operation
- Audible and visual alarm
- 9-volt battery alarm backup
- Indoor or outdoor options available
- Auxiliary contacts



Liberty Pumps



NightEye®

Wireless Enabled Alarm

ALM-EYE Series



Patent: See
LibertyPumps.com/patents

Alarm Features:

- NEMA 1, indoor rated
- 120V operation with 9-volt battery backup included
- 86 dB audible alarm
- Super bright red LED alarm ring
- Green power on LED
- Low battery LED
- Audible and yellow LED low battery warning
- Automatic reset
- Wi-Fi LED
- Silence or test alarm manually or through your smart device
- Two float switch styles available - narrow angle float switch or compact snap-on float switch (fits 1-1/4" and 1-1/2" pipe) (snap-on float switch not recommended for sewage applications)
- Auxiliary contacts for connection to other home security systems
- Device will run up to 12 hours on 9-volt battery with alarm active, up to 7 days in standby mode

App Features:

- Apple® iOS and Android® compatible
- Free download on the Apple Store or Google® Play Store
- Cloud-based system technology
- Get immediate notification from your smart device of alarm activation - anywhere in the world
- Sends via text, email or push notification - up to 4 different contacts/phone numbers
- Low basement temperature notification (user defined setting)
- Silence or test your alarm remotely from your smart device
- One NightEye® app can control multiple devices (separate alarm/control units required)
- Loss of Wi-Fi notification (utilizes smart wireless monitoring to prevent nuisance notifications)

Super-bright LED alarm ring increases visibility



Snap-on Compact Float Switch
Model ALM-P1-EYE
(Sump Pump Applications)



Narrow Angle Float Switch
Model ALM-2-EYE
(Sewage Applications)



Puddle Sensor
Model ALM-PK-EYE
(For floor level water sensing)



Normal Status Screen

Alarm Notification Screen

MODEL	Float Switch Style	Float Switch Cord Length	Weight
ALM-P1-EYE	Compact Snap-On	10'	2 lbs
ALM-2-EYE	Narrow Angle	20'	4 lbs
ALM-2-1-EYE	Narrow Angle	10'	3 lbs
ALM-PK-EYE	Water Puck	50'	3 lbs



innovate. evolve.

3 YEAR
Warranty

ALARM SYSTEMS

ALM-Series

- Indoor rated
- 115V Operation with 9-volt battery backup
- 86 db Horn
- Red LED alarm ring
- Green "power-on" light
- Auxiliary contacts
- Automatic alarm reset
- Test/silence buttons
- 9-volt industrial battery included



Patent: See
LibertyPumps.com/patents

Super bright
LED alarm ring

ALM-2-1

(Narrow angle float switch, 10' cord)

ALM-2

Narrow angle float switch, 20' cord

ALM-P1

Compact snap-on float switch, 10' cord

ALM-PK-EYE

Floor level water sensing, 50' cord

ALM-2



Narrow Angle Float Switch
(Sewage/Effluent application)

ALM-P1



Compact Snap-on Float Switch
Fits 1-1/4" or 1-1/2" pipe
(Sump application)

ALM-PK-EYE Puddle Sensor



ALM-2W

- Indoor/outdoor alarm
- 115V
- Visual and audio alarm
- Weatherproof enclosure
- 20' Float switch cord
- Auxiliary contacts



ALM-3W

- NEMA 4X rated
- Commercial-duty enclosure
- 115V Operation, direct wire
- Flashing red alarm LEDs
- 95 Decibel horn
- Alarm "Test / ON / Silence" switch
- 20' Float switch cord
- Includes auxiliary contacts

CHECK VALVES



CV2N1 - 1-1/4" and 1-1/2"

CV150 - 1-1/2"

CV200 - 2"

Economy check valves

- ABS valve body
- Rubber slip connect with hose clamps



CV2N1C - 1-1/4" and 1-1/2"

CV200C - 2"

CV300C - 3"

PVC heavy-duty check valve

- Compression fittings
- Vertical or horizontal install



BCV150 - 1-1/2"

BCV200 - 2"

Ball and Check Valve Combo

- One-piece construction
- Heavy-duty PVC



High-Temp!

HCV150 - 1-1/2"

HCV200 - 2"

Heavy-duty cast iron check valves

- High temperature rated to 200°F
- FNPT threaded connection
- Suitable for use with high-temperature sump pumps

Quiet Check Valves



QCV150 - 1-1/2"



QCV200 - 2"

- Socket weld connection with threaded union
- Heavy-duty PVC
- Vertical or horizontal install



QBCV150C - 1-1/2"



QBCV200C - 2"

- Compression-style connection
- Heavy-duty PVC
- Vertical or horizontal install



QCV150C-CL - 1-1/2"



QCV200C-CL - 2"

- Compression-style connection
- Heavy-duty clear PVC
- Vertical or horizontal install

SUMP ACCESSORIES



SP1822B Sump Pit

- 18" x 22"
- Durable structural foam, smooth wall
- Includes 4" 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!



"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

- Exclusively fits Liberty Pumps sump pumps
- Durable molded ABS plastic with pump restraints
- Adhesive strip secures the pump to the platform



GRINDER PUMP LSG & LSGX-SERIES ACCESSORIES

Model GR20

Guide Rail Base

- Fits Omnivore® LSG-Series grinder pumps
- Heavy cast iron construction
- GR20NS - For non-sparking hazardous locations
- Single guide pipe design with auto align feature
- 1-1/4" Guide pipe female NPT
- 1-1/4" Discharge female NPT
- 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)



Model G90

Flanged Elbow, 90 Degree

- Fits Omnivore® LSG-Series grinder pumps
- Provides vertical discharge for non-guide rail installations
- 1-1/4" Female NPT outlet
- Heavy cast iron construction
- Powder coated for corrosion resistance
- Includes sealing grommet and stainless steel bolts
- Allows LSG-Series pumps to connect to certain other guide rail designs



ACV125

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" Female NPT connection
- Rated to 125 psi





Historical Display

Gear Store



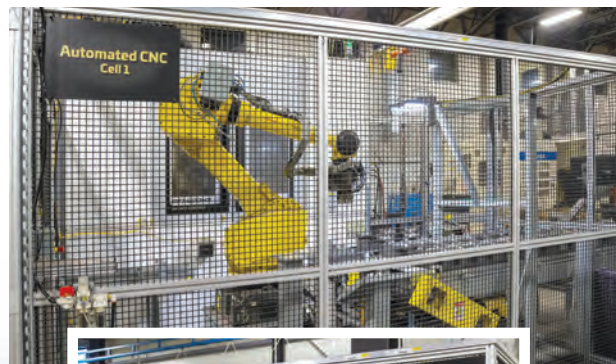
Custom Engineered Pump Systems



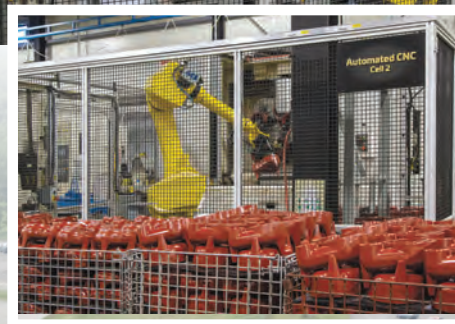
Product Display Room



Robotics



Training Center





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ISO 9001
REGISTERED COMPANY

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

Consult factory for complete warranty information.

Pro380
QuickTree® Technology

Ascent™ II
Macerating Toilet System


NightEye®

SUMPJET®
Water Powered Back-Up Pump



X-Series™
Explosion
Proof Pump

OilTector®
CONTROLS

ProVore®
Residential
Grinder

Pro370
QuickTree® Technology

 **StormCell®**
Battery Back-Up Pump

V-Slice®
Cutter Technology