

Liberty Pumps®

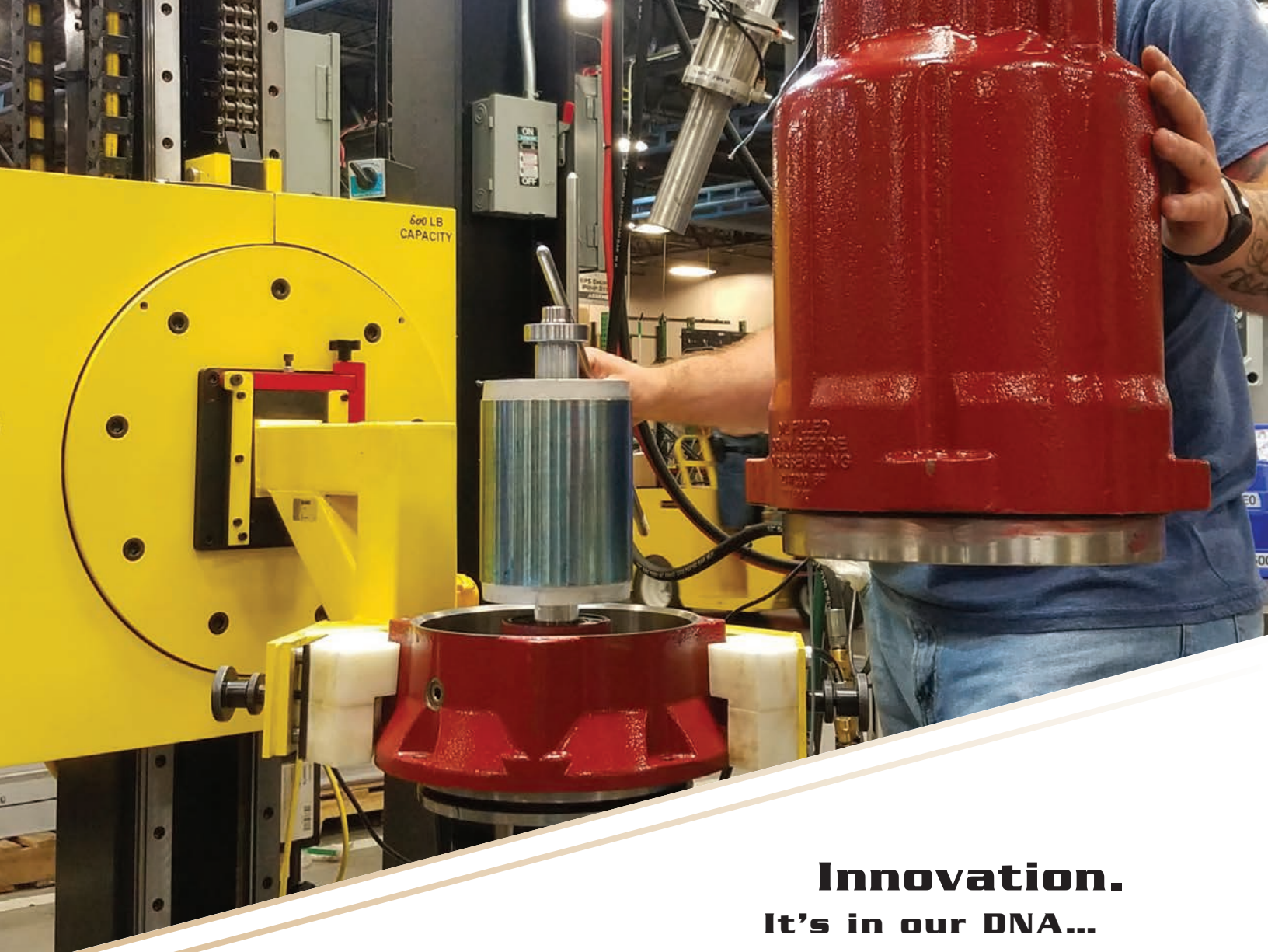
Engineered **Products**

LEP



Wastewater | Commercial
Municipal | Industrial

A Family and Employee Owned Company



Innovation. It's in our DNA...

For over 60 years, Liberty Pumps has been innovating pump designs in a company culture that cultivates passion to provide the best service and quality possible for our customers.

Holding over 25 U.S. Patents, our talented engineering team is constantly advancing pump technology with designs that expand the baseline of expectations, with features designed to improve performance and provide better solutions for your toughest pumping applications.

As a privately held, family and employee owned company, we take pride in the fact we have ownership of the brand. To us, a pump is not just a product. It's our reputation.

It's what we do. It's in our DNA...

**Proudly built in the USA with US
and global components!**

A Family and Employee Owned Company

Innovative design. Quality components.

Dual Seal Product Features

Potted epoxy cord entrance or optional Quick-connect designs

Streamlined terminal block for internal wiring

VFD compatible designs with shaft grounding brush

Class H inverter duty insulation

NEMA® IE3 Premium Efficiency motor construction

Durable powder coat finish

MidTherm™ Cooling

Provides enhanced motor cooling by increasing the volume of oil and expanding it into the mid-chamber of the pump, allowing it to be cooled by the pumped media. Available on all dual-seal pump designs

Robust bearing system sized for minimum 100,000 hr B10 bearing life

ClearNotch™ Technology

Engineered material relief notches on both the impeller and volute act together to shear and clear material that could lodge between the outer impeller edge and volute. This unique design greatly reduces the potential for jamming.

A standard feature on all Vortex, Monovane, and Enclosed 2 Vane designs.

Available Wet Ends



Vortex



Monovane



Enclosed 2 Vane



Grinder
V-Slice
Cutter Technology

3XLM-Series Shown

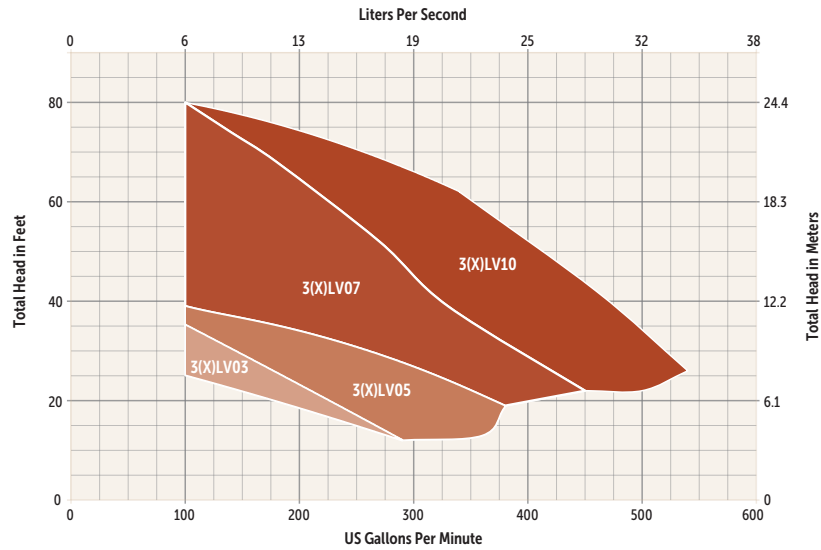
Patent: See
www.LibertyPumps.com/LEP/patents

60 Hz Operating Ranges

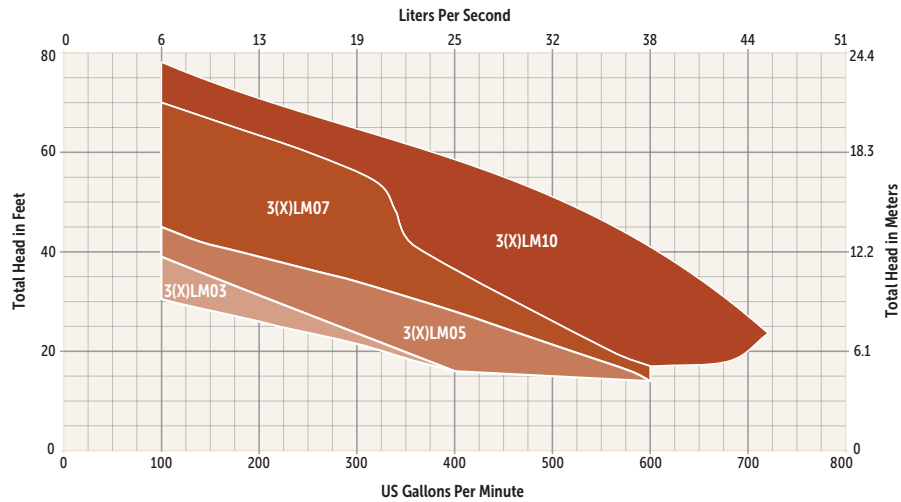
3" Solids Handling

Liberty Pumps (X)LM, (X)LV, or (X)LE-Series pumps, with **ClearNotch™** Technology and efficient **MidTherm™** Cooling, provide reliable, robust performance with less jamming. Engineered with a high-level of operating efficiency and NEMA® IE3 Premium Efficiency motor construction, the Liberty Pumps line of US made submersibles offers lower operating and maintenance costs over the long-term. Available in ordinary and hazardous location models.

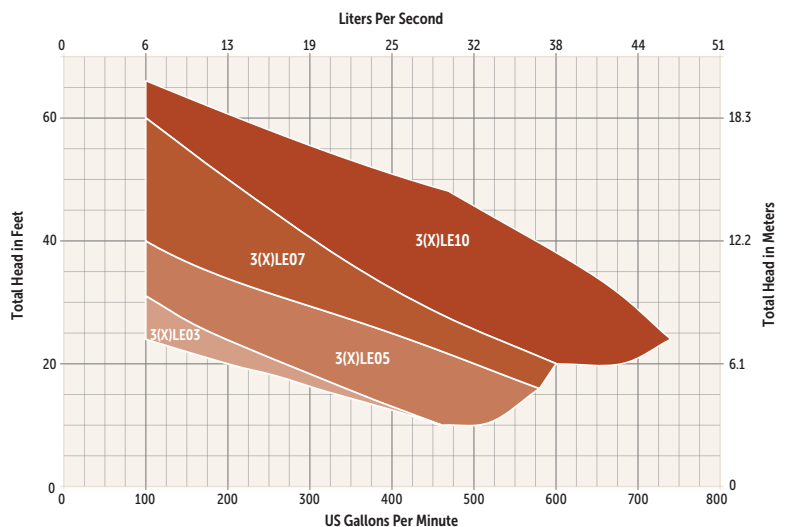
3LV/XLV Vortex



3LM/XLM Monovane

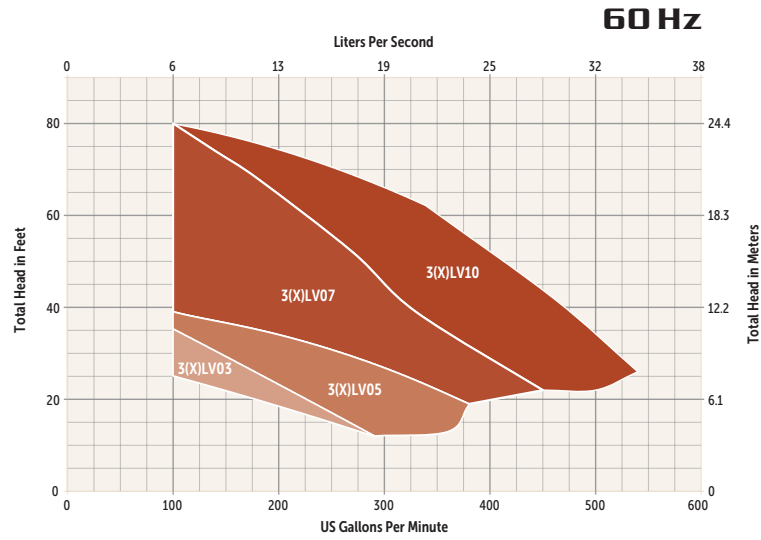


3LE/XLE Enclosed 2 Vane



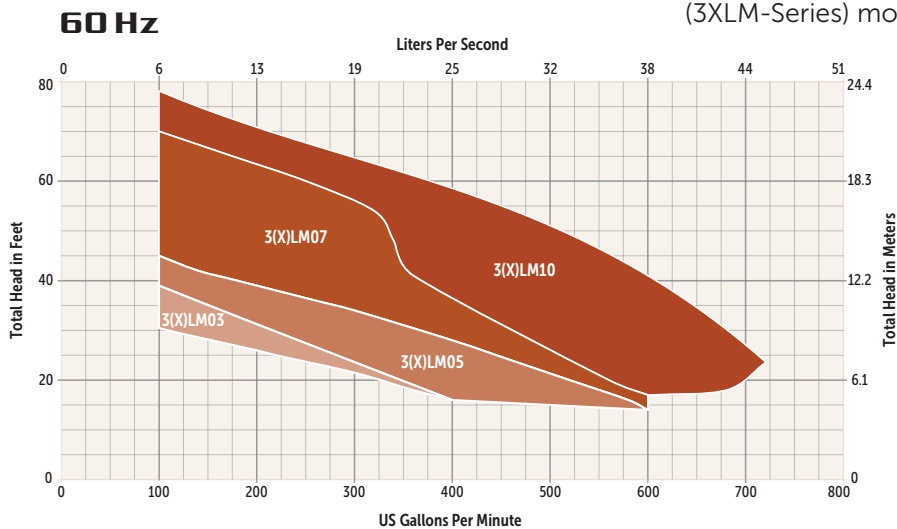
Vortex 3LV-Series & 3XLV-Series

- Range: 3 hp through 10 hp (2.2 kW through 7.5 kW)
- 3" Solids handling
- 4" ANSI® flange
- **ClearNotch™** Technology reduces jamming
- VFD compatible design
- NEMA® IE3 Premium Efficiency motor construction
- **MidTherm™** Cooling provides enhanced motor cooling
- Ordinary location (3LV-Series) and hazardous location (3XLV-Series) models available



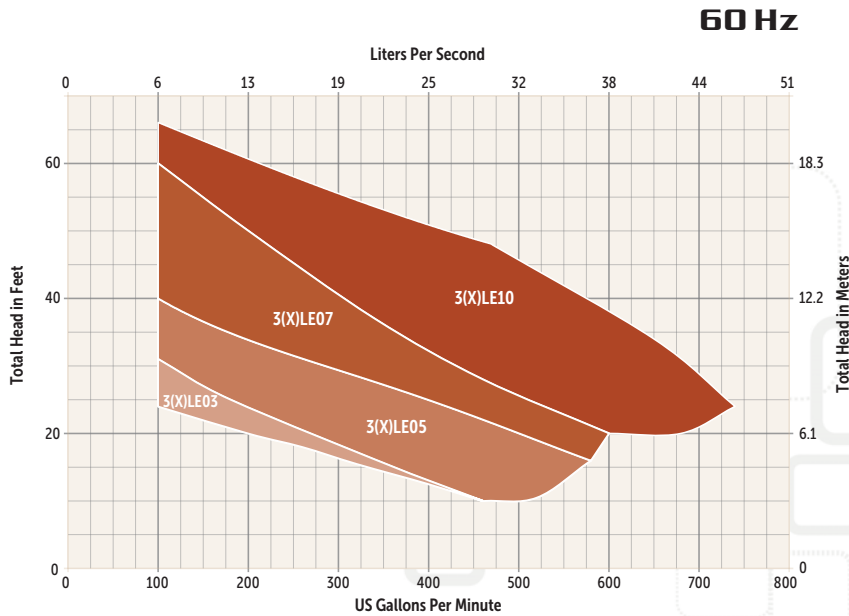
3LM-Series & 3XLM-Series Monovane

- Range: 3 hp through 10 hp (2.2 kW through 7.5 kW)
- 3" Solids handling
- 4" ANSI® flange
- **ClearNotch™** Technology reduces jamming
- VFD compatible design
- NEMA® IE3 Premium Efficiency motor construction
- **MidTherm™** Cooling provides enhanced motor cooling
- Ordinary location (3LM-Series) and hazardous location (3XLM-Series) models available



Enclosed 2 Vane 3LE-Series & 3XLE-Series

- Range: 3 hp through 10 hp (2.2 kW through 7.5 kW)
- 3" Solids handling
- 4" ANSI® flange
- **ClearNotch™** Technology reduces jamming
- VFD compatible design
- NEMA® IE3 Premium Efficiency motor construction
- **MidTherm™** Cooling provides enhanced motor cooling
- Ordinary location (3LE-Series) and hazardous location (3XLE-Series) models available



Single Seal Models

Options

- 3" NPT removable vertical flange (optional)
- 4" NPT removable vertical flange (optional)

Vertical Discharge Options



3" NPT vertical



4" NPT vertical



K001901
Optional 3" to 4" ANSI



K002027
Optional 4" to 3" ANSI

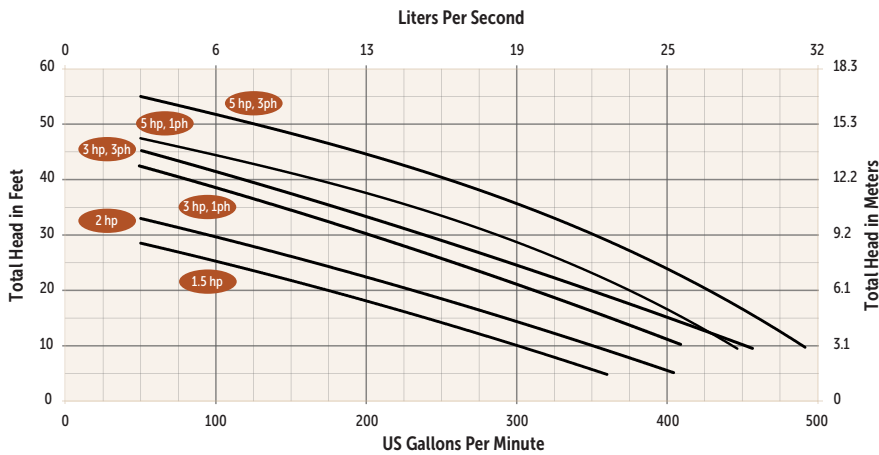
1.5-5 hp Single Seal Models

2LE-Series

- 1.5 hp through 5 hp (1.12 kW through 3.7 kW)
- 2.5" Solids handling
- Single seal design
- Open 2 vane impeller
- 3" ANSI® flange (standard)
- Quick-connect power cord (standard)



60 Hz

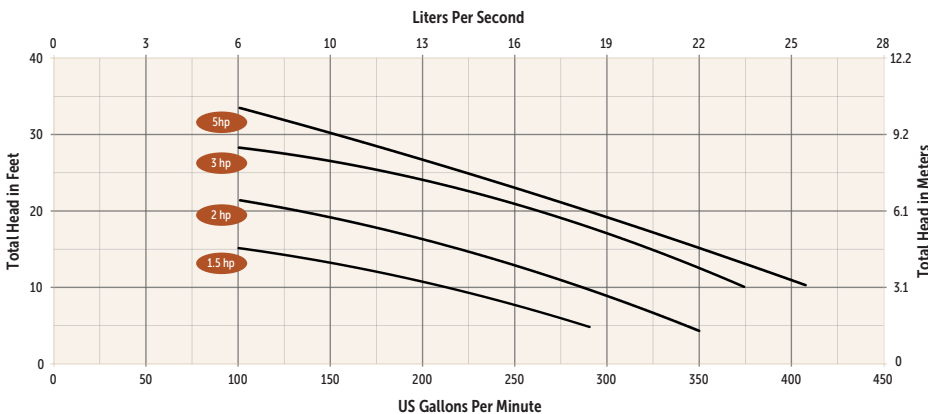


3LEV-Series

- 1.5 hp through 5 hp (1.12 kW through 3.7 kW)
- 3" Solids handling
- Single seal design
- Vortex impeller
- 4" ANSI® flange (standard)
- Quick-connect power cord (standard)



60 Hz



When jamming is simply not an option

The only patented V-Slice® Cutter Technology.

Setting the new standard in grinder pump performance.



Patent: See
www.LibertyPumps.com/LEP/patents



For over 20 years, Liberty Pumps Omnivore® Series grinders have lead the 2 hp category in performance and durability with their patented **V-Slice®** Cutter Technology. This robust and powerful design is now available in models as large as 15 hp. When demanding applications require more volume and the most powerful cutting system available, there is only one choice - Omnivore® Grinders.

**Watch
it grind!**



LG-Series Omnivore® Grinders

2.5 hp Grinder (1.9 kW)

- V-Slice® Cutter Technology
- Stainless steel impeller and cutter system
- Quick-connect power cord (ordinary location only)
- Fits GR20-Series guide rail system
- Fits G90 elbow
- Single guide pipe design with auto-align feature
- Powder coated for corrosion resistance
- Includes: mating flange, stainless steel bolts and sealing grommet



Liberty Pumps
Engineered Products

Liberty Pumps
Troy, NY, USA

Model: LGV022H-2
V: 230 A: 17
Hz: 60 1~ HP: 2.5
Serial: 21VT21 Config: C05
Date: 091823
Country of Origin: US

1241000

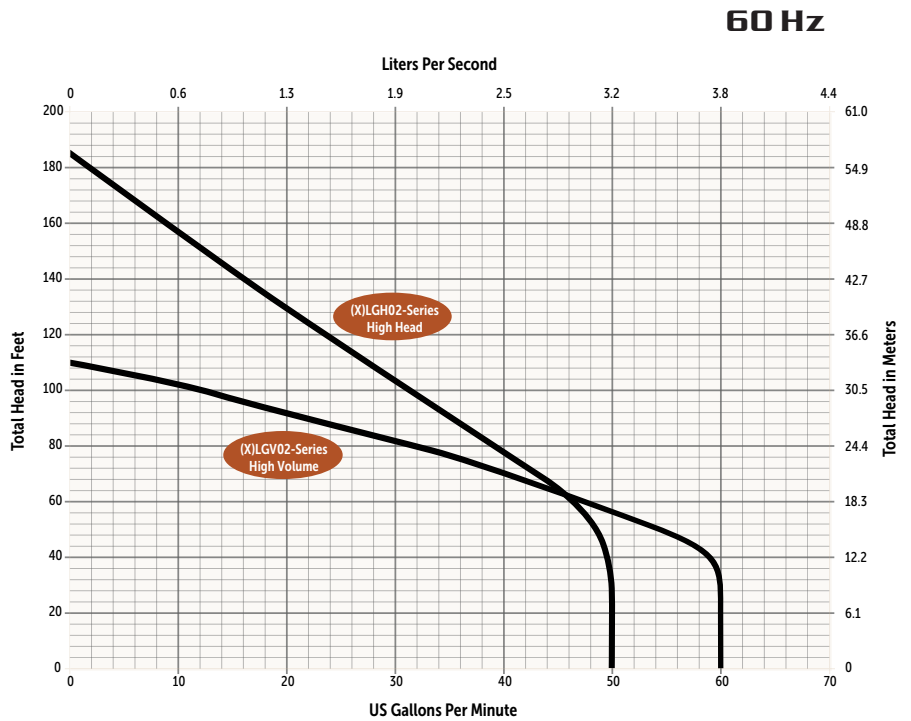
Ordinary Location

LGV02-Series High Volume
LGH02-Series High Head

Hazardous Location

XLGV02-Series High Volume
XLGH02-Series High Head

Class 1, Division 1, Groups C, D T4
Class 1, Zone 1, Groups IIA, IIB T4



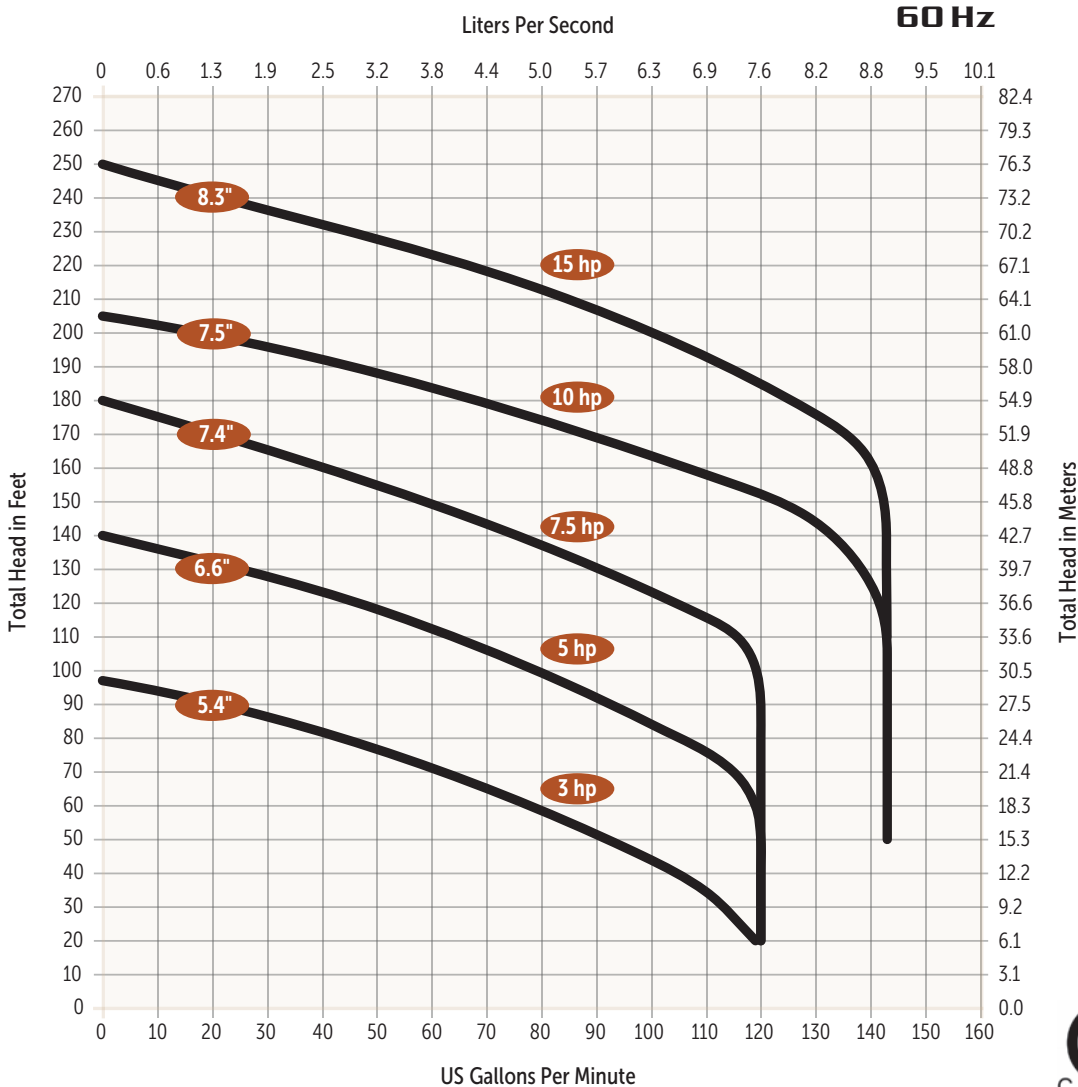
LG-Series Omnivore® Grinders

Features

- Range: 3 hp through 15 hp (2.2 kW through 11.2 kW)
- 316 Stainless steel impeller
- Available in high volume or high head models
- Ordinary or hazardous location models
- 3-7.5 hp - 2", 2.5" and 3" ANSI horizontal discharge or 2" and 3" NPT vertical discharge
- Standard quick-connect or heavy-duty quick-connect cord options
- 10-15 hp - 3" ANSI horizontal discharge
- Dual seal design with seal fail sensor
- Fits GR3-Series guide rail system
- **MidTherm™** Cooling provides enhanced motor cooling
- VFD compatible design
- NEMA® IE3 Premium Efficiency motor construction

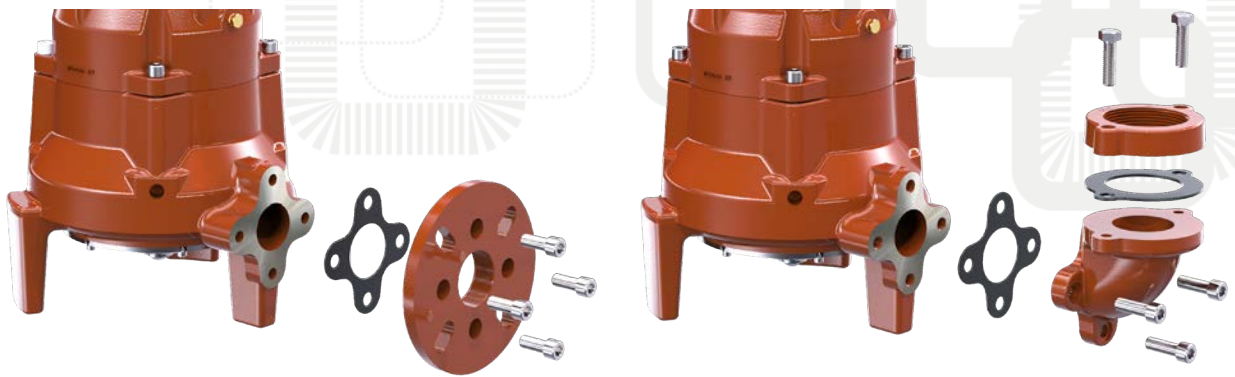


LGH High Head



NEW!

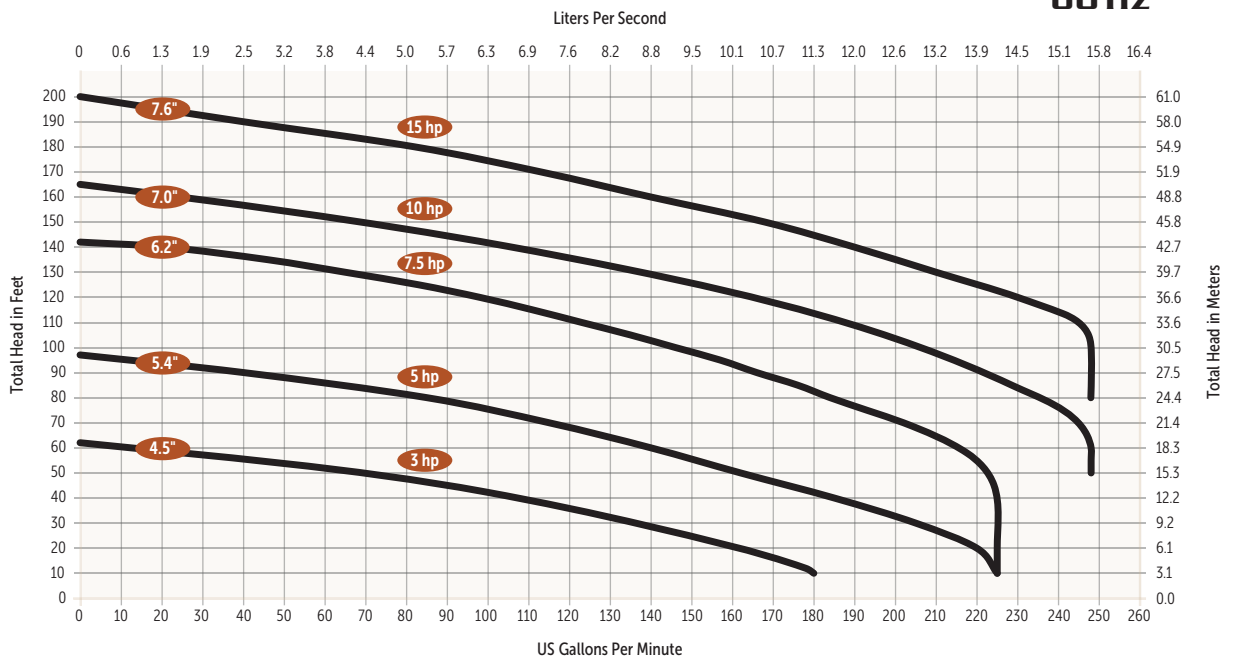
Combo Volute
 allows for multiple
 discharge options
 for 3, 5 & 7.5 hp models
 (ordinary location)



AVAILABLE IN
LGH High Head and LGV High Volume

LGV High Volume

60 Hz



Consult LGH/LGV-Series literature for complete product specifications.

Control Panels

- Available in fiberglass or stainless steel enclosures
- Wide array of options and custom builds available



Fiberglass Series

Ordinary Location

- LES-Series Simplex
- LED-Series Duplex

Hazardous Location

- LESX-Series Simplex, intrinsically safe
- LEDX-Series Duplex, intrinsically safe

Standard Features Include:

- H-O-A switches
- Inner panel door
- Elapsed time meters
- Auxiliary contacts
- Seal fail indicators
- Lockable door
- Adjustable overloads
- Thermal overloads
- Alarm beacon
- NEMA® 4X

Consult LED or LES literature for complete panel information.



Stainless Steel Series

Ordinary Location

- LESS-Series Simplex
- LEDS-Series Duplex

Hazardous Location

- LESSX-Series Simplex, intrinsically safe
- LEDSX-Series Duplex, intrinsically safe

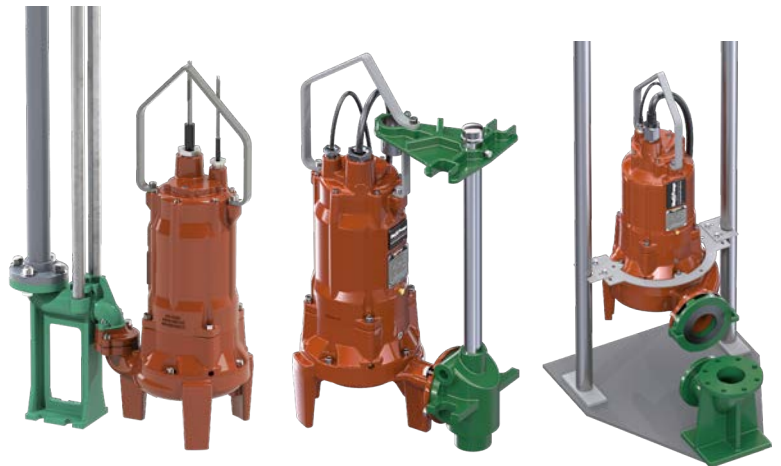
Adapters

Need an adapter? We've got the fit for you!



Guide Rail Adapters Fit Most:

- Flygt
- Barney's
- Myers
- Hydr-O-Rail



Consult Adapters literature for complete product specifications.

Guide Rails

GR-Series

3" & 4" ANSI Rail System

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

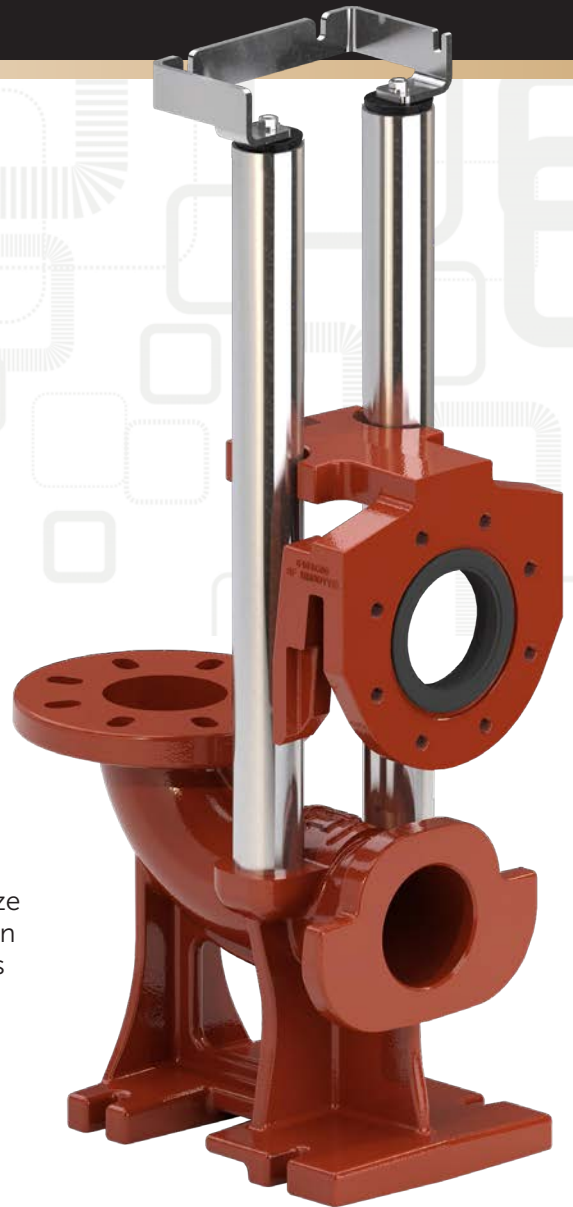
Models

GR3-ANSI	3" ANSI®
GR4-ANSI	4" ANSI®
GR3NS-ANSI	3" ANSI®, Non-sparking
GR4NS-ANSI	4" ANSI®, Non-sparking

Consult GR-Series literature for complete product specifications.



Non-sparking "NS" models feature bronze claw for installation in hazardous locations



GR30-C

Guide Rail for Combo-Volute Models

Fits grinder models LGV03-07 and LGH03-07



GR30-C

- 3" FNPT discharge
- Heavy Class 30 cast iron
- Sized for 1-1/4" guide rail pipe (Not included)
- Heavy-duty nitrile sealing grommet



LG-Series Accessories

Fits 2.5 hp Grinders

GR20 Guide Rail



G90 Elbow

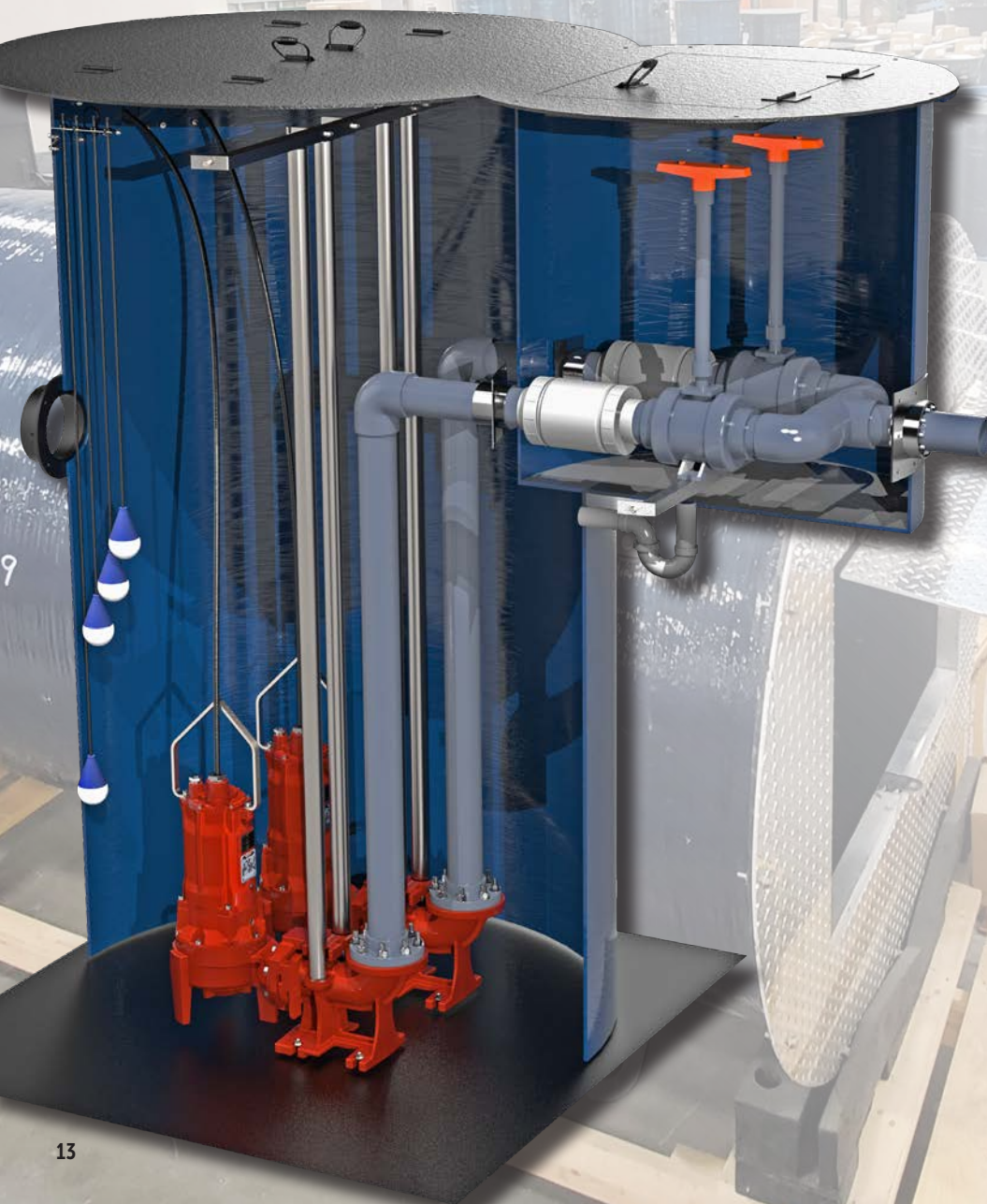


Consult LGV02/LGH02-Series literature for complete product specifications.

Liberty Engineered Pump Systems

LET LIBERTY DO THE WORK

Custom system design
and fast quotes!



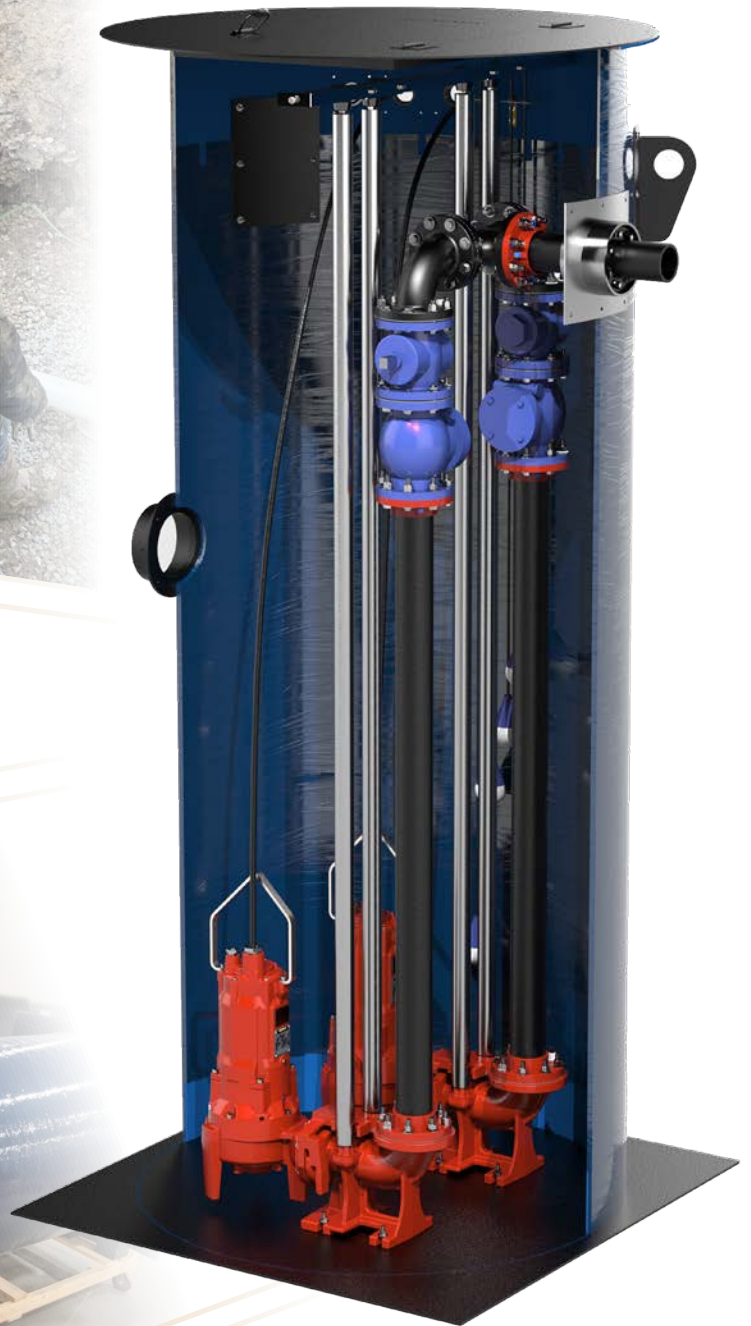
LEPS Complete Systems

WE DESIGN. WE BUILD.

Liberty Pumps has the ability to design complete custom systems for your specific application. With almost unlimited choices in basin and control panel options, simply tell us your needs and our team will get you the answers fast.



Complete fabrication of the systems assure that you get it right – factory set and ready to install



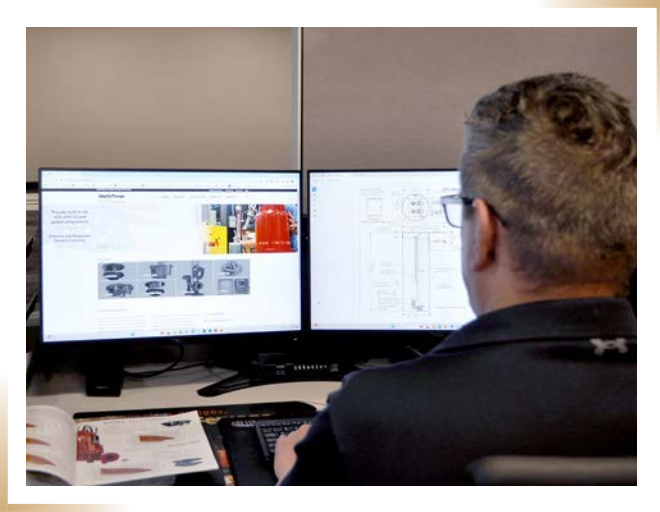
WE MAKE IT EASY.

Our design/tech team is ready to assist you.

1-800-543-2550

Liberty Pumps®

Engineered **Products**



Build-a-Pump™

Get the exact model you need – fast!
www.LibertyPumps.com/LEP/Build-a-Pump

Technical Assistance
1-800-543-2550
LEP@LibertyPumps.com

PUMP-FLO®

Pump Sizing & Selector

www.LibertyPumps.com/LEP/Home/Pump-Flo



For complete product information go to:

www.LibertyPumps.com/LEP

