

Liberty Pumps®

Engineered **Products**

50 Hz

Wastewater

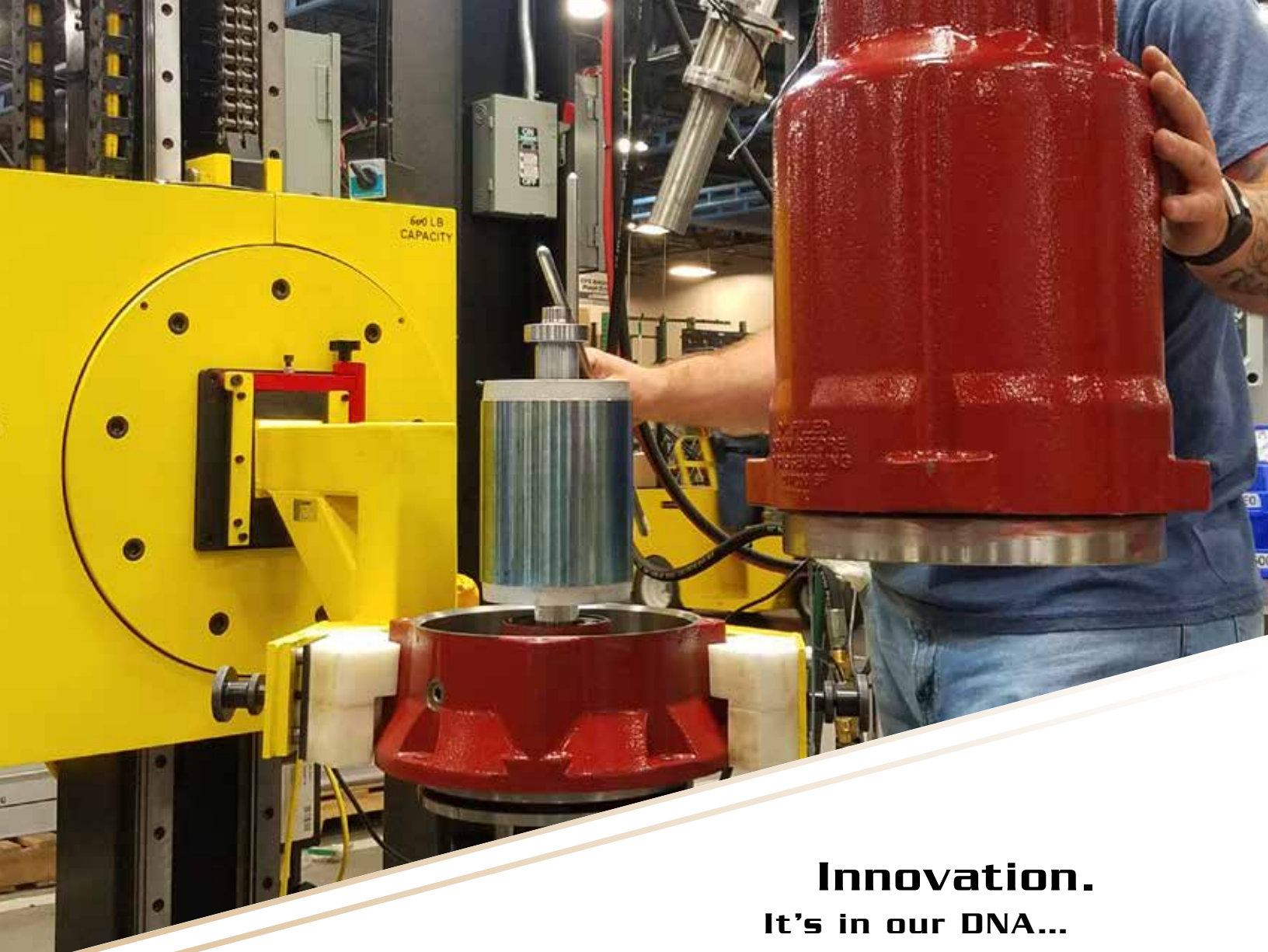
Commercial

Municipal

Industrial



A Family and Employee Owned Company



Innovation. It's in our DNA...

For over 50 years, Liberty Pumps has been innovating pump designs in a company culture that cultivates a passion to provide the best service and quality possible to our customers.

As a privately held, family and employee owned US manufacturer, Liberty Pumps has been recognized as a multi-year recipient of the prestigious Inc. 5000 Award, an award granted to the fastest growing privately held companies in the US.

As part of our continued expansion, we are now proud to bring the newest line of US manufactured pumps to the commercial, municipal, and industrial wastewater markets. Designed, built, and backed by the same employee owners that have made us who we are today.

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

Multiple seal material options available

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



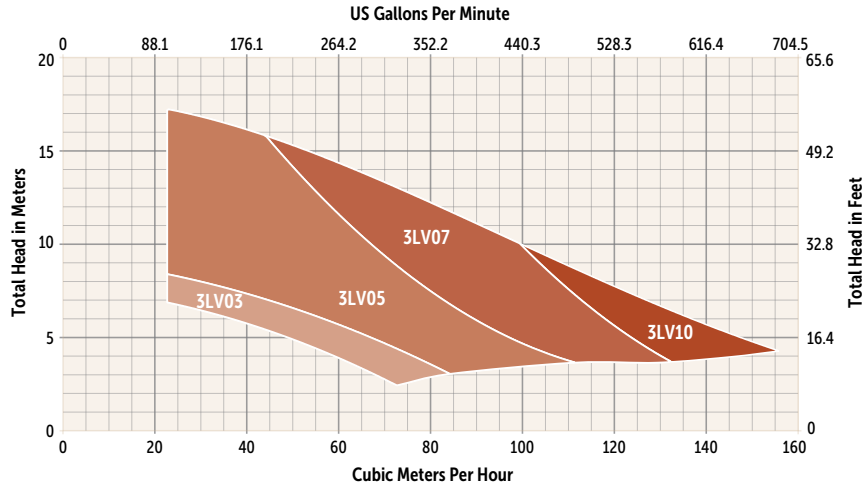
Grinder
V-Slice
Cutter Technology

50 Hz Operating Ranges

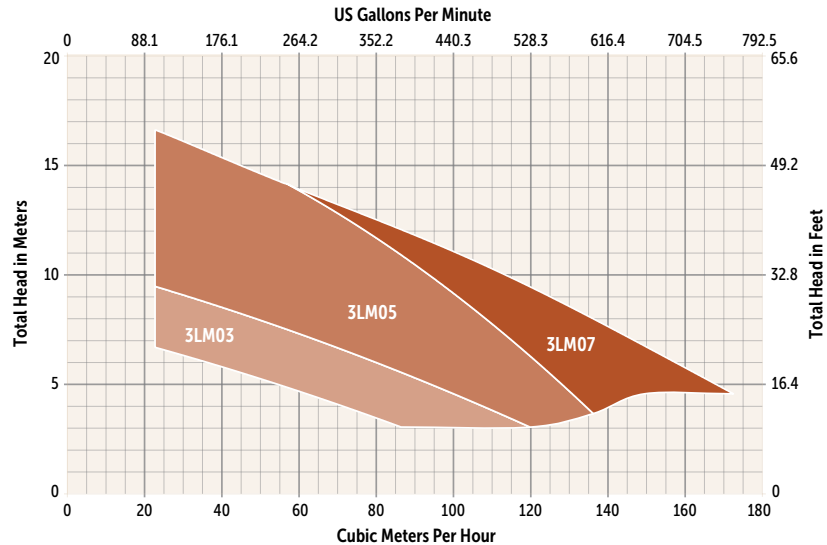
3" Solids Handling

Liberty Pumps 3LV, 3LM, and 3LE-Series pumps, with **ClearNotch™** impeller 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 offer lower operating and maintenance costs over the long-term.

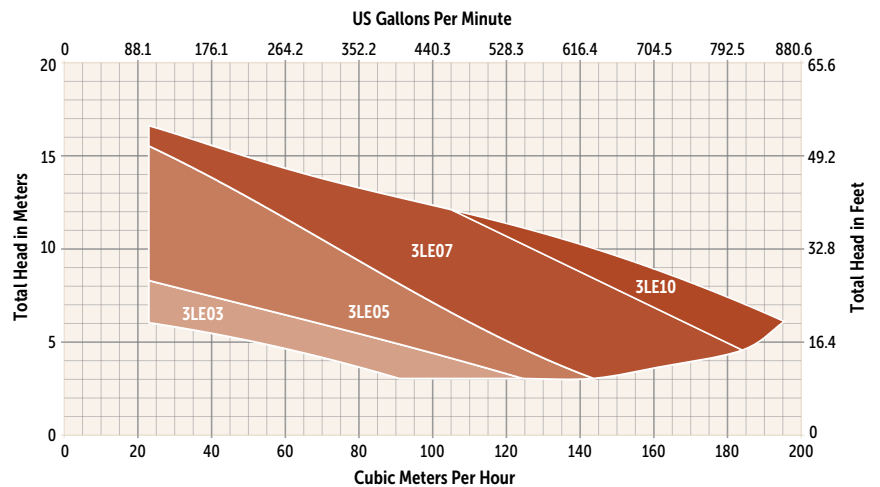
**3LV
Vortex**



**3LM
Monovane**



**3LE
Enclosed 2 Vane**

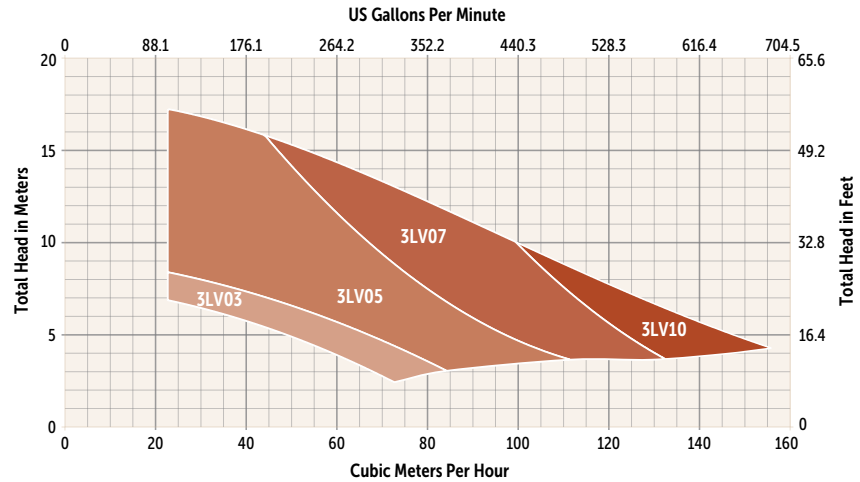


Vortex 3LV Series

- 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™** advanced cooling



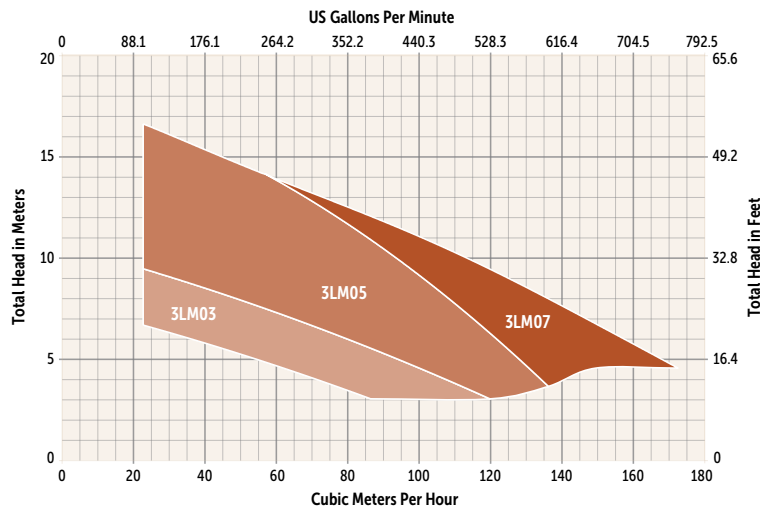
50 Hz



3LM Series Monovane

- Range: 3 hp through 7.5 hp (2.2 kW through 5.6 kW)
- 3" Solids handling
- 4" ANSI® flange
- **ClearNotch™** technology reduces jamming
- VFD compatible design
- NEMA® IE3 Premium Efficiency motor construction
- **MidTherm™** advanced cooling

50 Hz



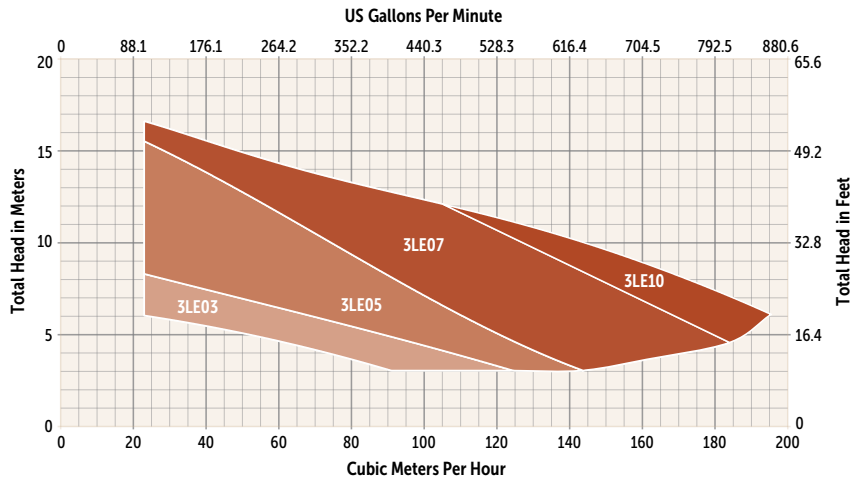
3LE Series

Enclosed 2 Vane



- 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™** advanced cooling

50 Hz



GR3/GR4-Series

Guide Rails



- 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)



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

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.



LG-Series Omnivore® Grinders

When jamming is simply not an option.

For over 10 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.



- 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
- 2" (3–7.5 hp), 2.5" and 3" ANSI® horizontal discharge or 2" and 3" NPT vertical discharge options
- Dual seal design with seal fail sensor
- Fits GR3-Series guide rail system
- **MidTherm™** advanced cooling
- VFD compatible design
 - NEMA® IE3 Premium Efficiency motor construction



Patented V-Slice®
Cutter Technology

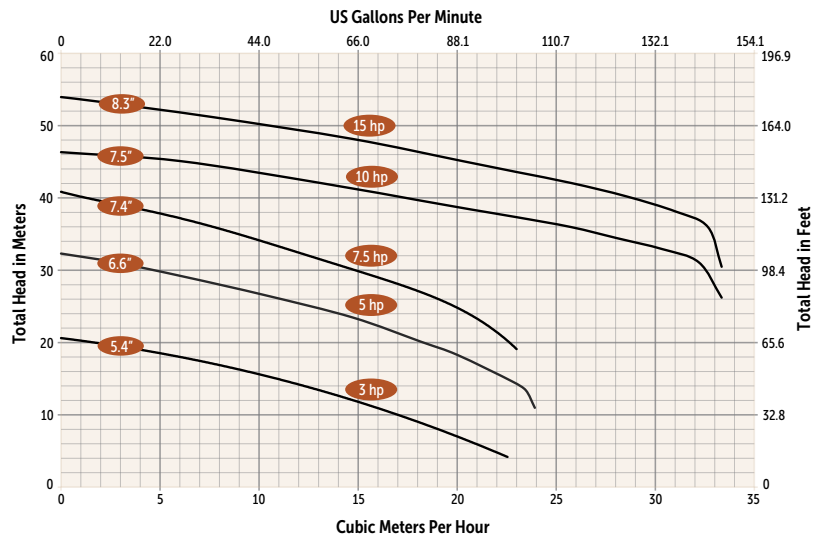
Entire cutting system made of 440 stainless steel hardened to 58Rc.



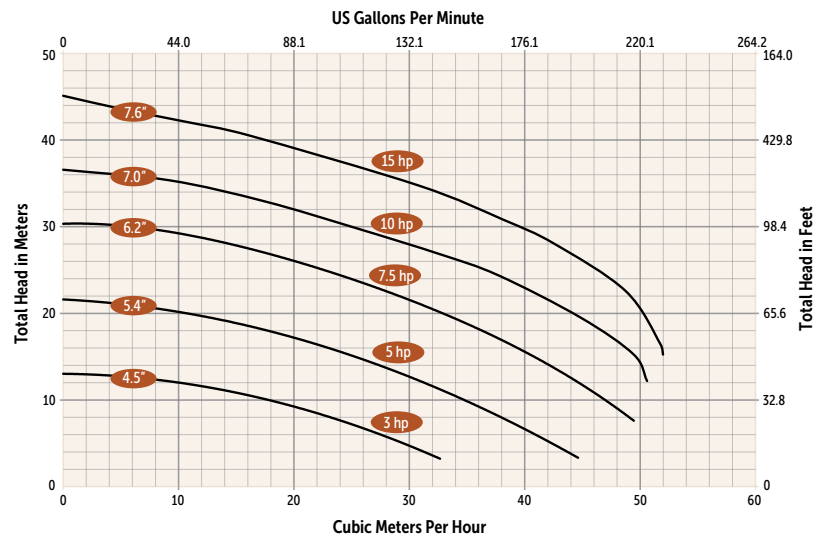
Optional 2"/3" vertical discharge up to 7.5 hp



LGH High-Head 50 Hz



LGV High-Volume 50 Hz



Consult LG-Series literature for complete product specifications.

Liberty Pumps®

Engineered **Products**



Technical Assistance
+1-585-494-1817
LEP@LibertyPumps.com

Build-a-
 **Pump™**

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

For complete product information go to:

www.LibertyPumps.com/LEPInt

