

LSV500-SERIES

Sewage and Dewatering Pump

Liberty Pumps®

A Family and Employee Owned Company

commercial**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



Vertical Discharge
Option Available



Optional 4" to 3" ANSI
Adapter Kit K002027
(sold separately)



***Proudly made in the USA
with US & global components***

innovate. evolve.

LSV500-Series

Impeller

Class 30 cast iron vortex

Finish

Epoxy powder coat

Max Fluid Temperature

104°F (40°C) Continuous duty

Motor

Oil-filled, Class F insulation

Power Cord Type

SOOW, Quick-connect 35', 50', or 100' length options

Motor Housing

Class 25 cast iron

Volute

Class 30 cast iron

Shaft

Stainless

Mechanical Shaft Seal

Silicon carbide on silicon carbide

Bearings

Upper and lower ball bearings

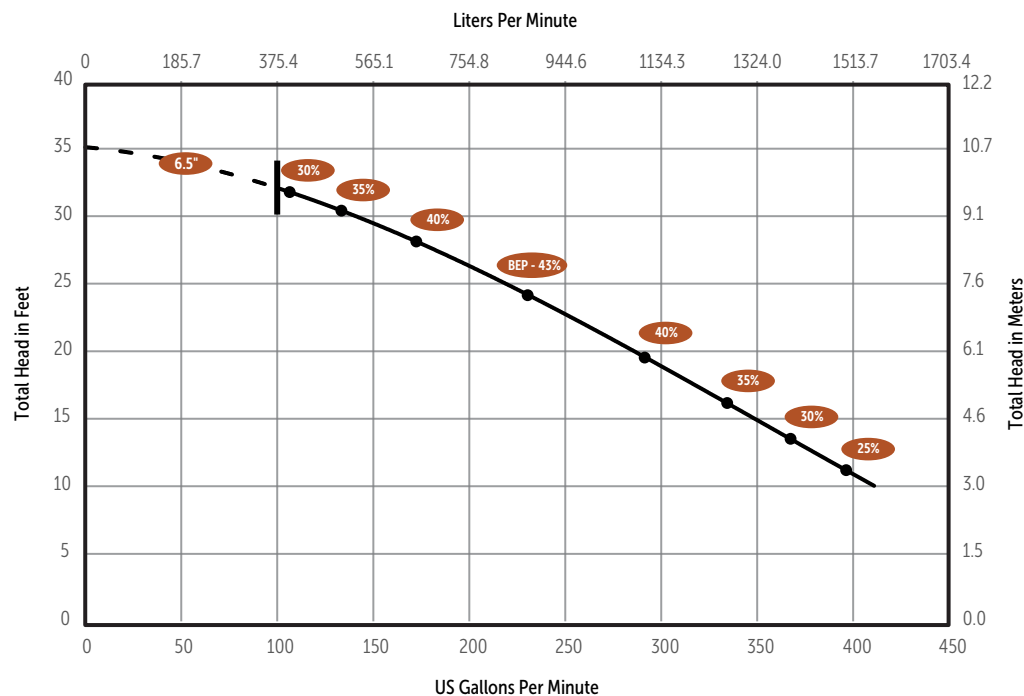
Warranty

18 Months from the date of installation or
24 months from the date of manufacture
*See Liberty Pumps Limited Warranty - Wholesale
Commercial Series*



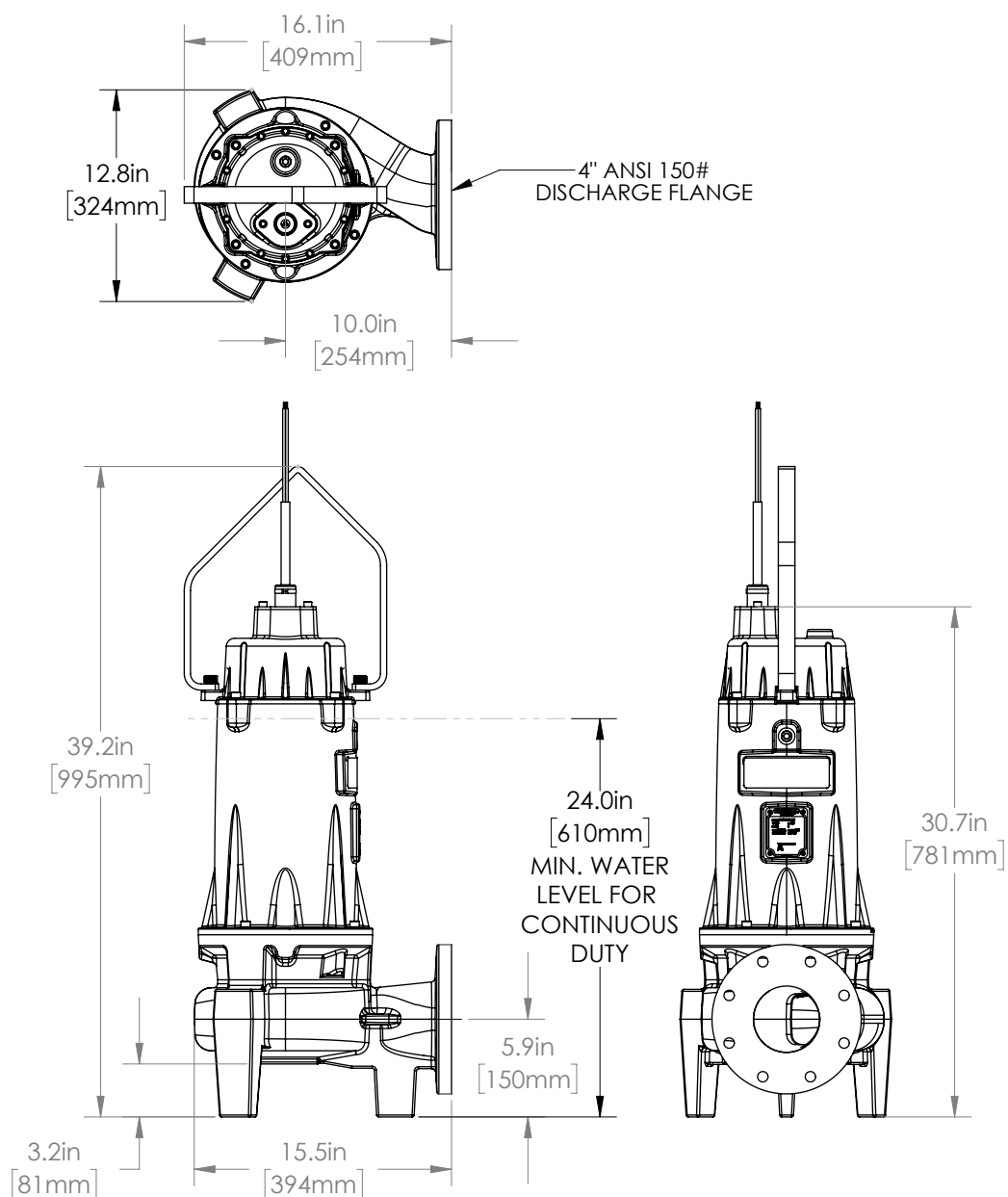
Performance Curve

60 Hz, 1725 RPM, 10' Minimum Head Required



*Stated efficiencies are Hydraulic Efficiency.
Wire-to-Water efficiency information is available upon request.

Dimensional Data - ANSI Horizontal Discharge



Models - Horizontal Discharge

MODEL	HP	VOLTS	PHASE	AMPS	DISCHARGE	WEIGHT in LBS [-3 MODELS]
LSV502	5	200/230	1	21	4" ANSI Horizontal	300
LSV503	5	200/230	3	14.2	4" ANSI Horizontal	300
LSV504	5	460	3	7.3	4" ANSI Horizontal	300
LSV505	5	575	3	5.9	4" ANSI Horizontal	300

For 35' cord option, add a "-3" suffix to model number. Example: LSV502-3

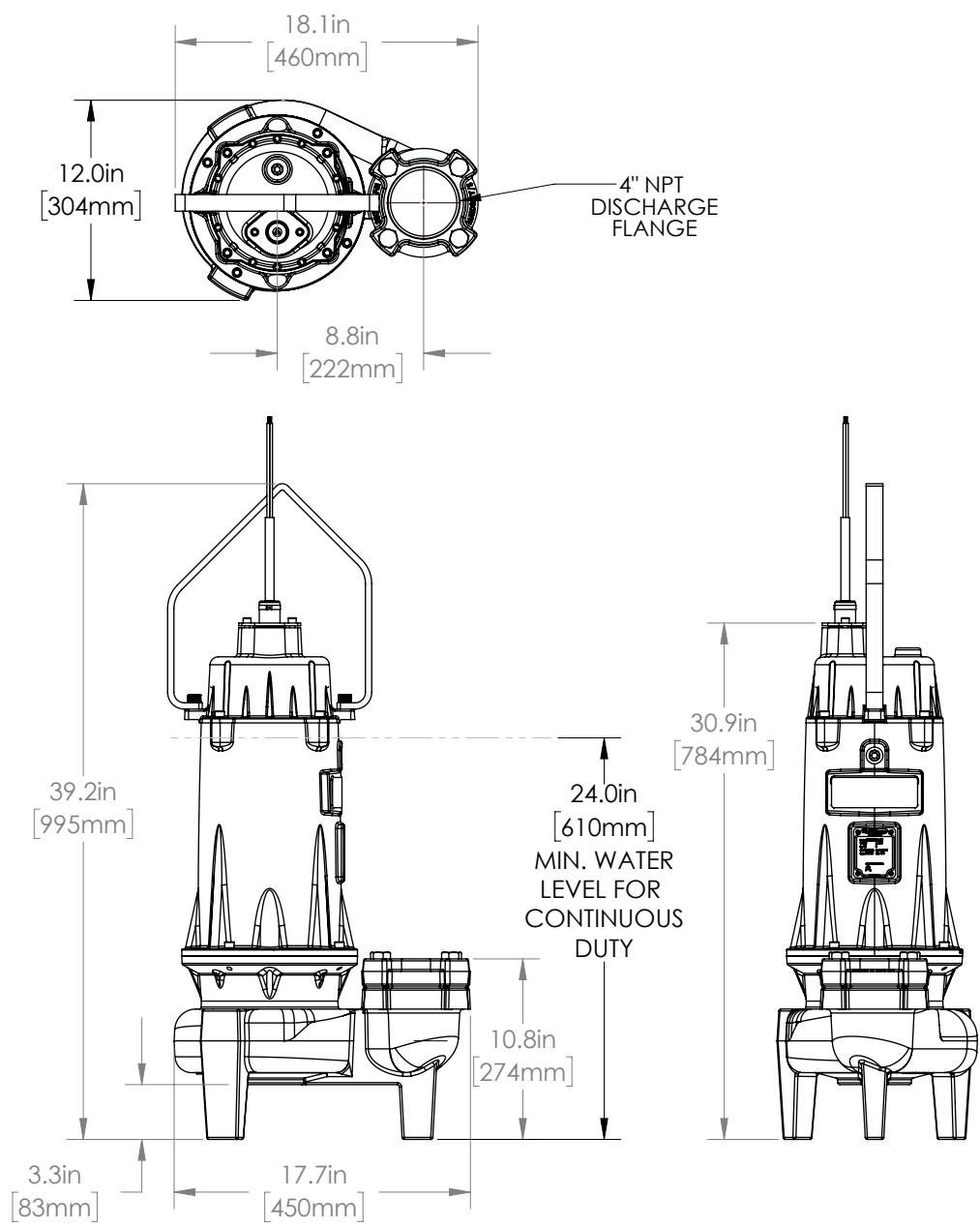
For 50' cord option, add "-5" suffix to model number. Example: LSV502-5

For 100' cord option, add "-1" suffix to model number. Example: LSV502-1

For a capacitor in the panel, add "-C" suffix to model number. Only available for LSV502. Example: LSV502-1-C

LSV500-Series

Dimensional Data - Vertical Discharge



Models - Vertical Discharge

MODEL	HP	VOLTS	PHASE	AMPS	DISCHARGE	WEIGHT in LBS [-3 MODELS]
LSV502V	5	200/230	1	21	4" Vertical	300
LSV503V	5	200/230	3	14.2	4" Vertical	300
LSV504V	5	460	3	7.3	4" Vertical	300
LSV505V	5	575	3	5.9	4" Vertical	300

For 35' cord option, add a "-3" suffix to model number. Example: LSV502V-3
For 50' cord option, add "-5" suffix to model number. Example: LSV502V-5
For 100' cord option, add "-1" suffix to model number. Example: LSV502V-1
For a capacitor in the panel, add "-C" suffix to model number. Only available for LSV502V. Example: LSV502V-1-C