



LL-Series Level Lift System

The safe, easy
solution for
multi-point lifts



▼ Shown: Level Lift System



The Safe, Easy Solution for Multi-Point Lifts



Level Lift System**

Enerpac's **Level Lift** is offered as a fully configured system including pump, hoses, gauges, and cart.**
Excludes hydraulic cylinders



Pendant

The **Level Lift System** features an easy-to-use 3-button pendant control.



Gauges

Gauges are conveniently located on the cart for easy monitoring by the operator.

- Lifts and lowers uneven loads*
- Robust solution for demanding field use conditions—eliminates the need for electronics or sensors at each lift point
- Controls up to four lift points
- Single point of control reduces risk of operator miscommunication
- Simple, intuitive, easy-to-operate design

Patent pending

*Requires cylinders with matching effective areas



◀ Level Lift System provided a safe, fast lifting solution during the rebuild of an off-highway vehicle.



How Level Lift Works

When the Level Lift System is operated, uneven loads are moved evenly, during both lifting and lowering operations.

The output flow from the pump is directed to the Level Lift Valve via the Lift/Lower valve. The Level Lift valve contains small pistons, which on each cycle, send a fixed volume of oil to each cylinder as it is lifting or lowering.

This allows each cylinder to be raised or lowered by the same amount regardless of the distribution of the weight, or the resulting pressure on each cylinder — **each cylinder must have the same effective area.**

LL Series



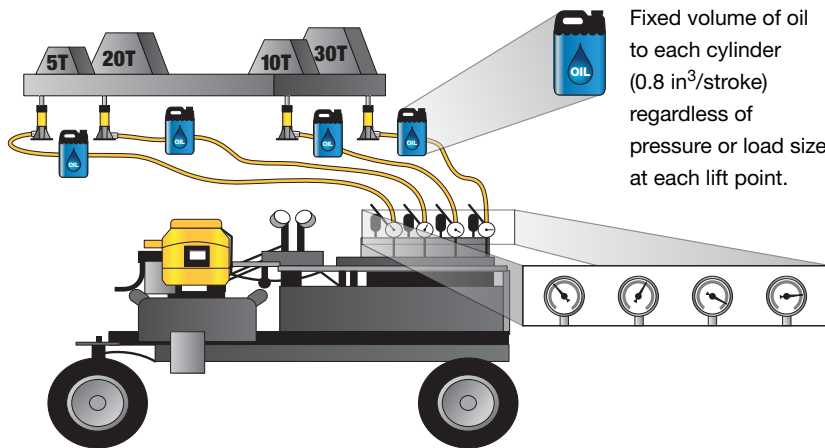
Number of Lift Points:

4 points

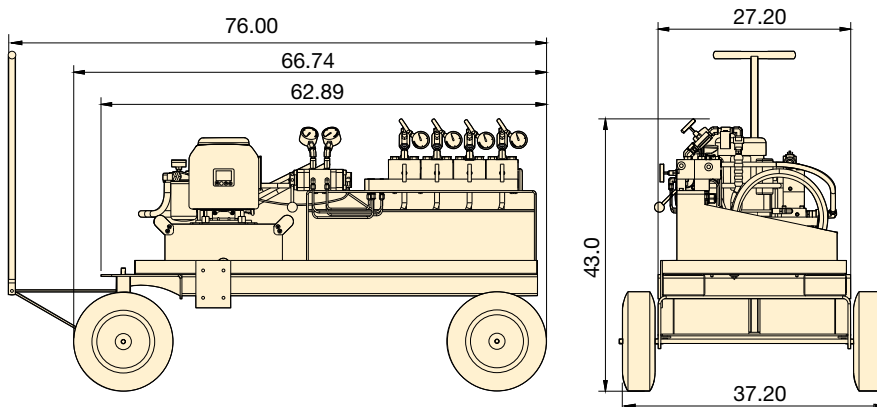
Maximum Operating Pressure:

10,000 psi

Level Lifting and Lowering of Uneven Loads



Dimensions are in inches.



Cart Features



- Field proven, preprogrammed ZE4 semi-automated pump with 5 gallon reservoir

- Pendant control
- Simple Lift/Lower Valve (for lifting and lowering)
- Stores four 50-foot long x 3/8" internal diameter hoses (included)
- Built-in forklift runners for easy transportation
- Large diameter pneumatic tires for easy maneuverability and positioning
- Cart-locking mechanism to prevent unintended movement

Cylinder Compatibility



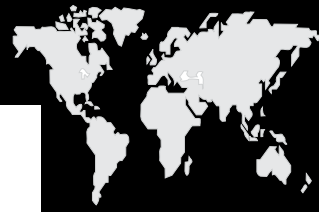
The **Level Lift System** is compatible with a wide range of Enerpac single-acting cylinders.

Not recommended for use with cylinders lower than 10-ton capacity, or general purpose CLP, RSM & RCS-series cylinders.

Contact Enerpac for further details.

Model Number	Voltage	Oil Displacement	Wt.
		(Per stroke of Level Lift Valve)	
		(in ³)	(lbs)
LL4CE	208-240V, 1 ph, 50 Hz	0.80	651.0
LL4CB	115V, 1 ph, 60 Hz	0.80	651.0

LL-Series, Level Lift System



The Industrial Tools Line

Cylinders and Lifting Products

- General Purpose
- Aluminum: Lock Nut, Solid- and Hollow Plunger
- Pancake, Low Height
- Pull
- Hollow Plunger
- Precision
- Long Stroke
- High Tonnage
- Jacks
- Pow'R-RISER® Lifting Jacks
- Pow'R-LOCK™ Lifting Jacks
- Extreme Environment Products

Pumps

- Manual
- Cordless and Electric Driven
- Compressed Air Driven
- Petrol Driven

System Components

- Hoses, Couplers, Oil
- Manifolds, Fittings
- Gauges, Adaptors

Valves

- 3- and 4-Way Directional
- Pressure and Flow Control

Presses

- H-Frame, Roll Frame
- C-Clamp and Arbor
- Tension Meters, Load Cells

Pullers

- Master Pullers Sets
- Multi Purpose Puller Sets
- Posi Lock® Pullers

Tools

- Maintenance Sets
- Punches
- Lifting Wedges
- Machine Lifts
- Load Skates
- Wedgie, Spreaders
- Cutters
- Pipe Benders
- Stressing Tools

Bolting Tools

- Multipliers
- Torque Wrenches
- Impact Sockets
- Wrench and Tensioner Pumps
- Twin Safety Hoses
- Nut Cutters / Splitters
- Flange/Wedge Spreaders
- Flange Alignment Tools
- Flange Face Tool

Integrated Solutions

- Hydraulic Gantries
- Strand Jacks
- SyncHoist
- Stage Lift Systems
- Skidding Systems
- Self Propelled Modular Trailer
- Synchronized Lifting Systems
- Uni-Lift® Actuators

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