



CONSTRUCTION HOISTS

PRODUCT GUIDE

ALIMAK LSH

Access anytime, anywhere

ALIMAK

Construction hoist for elevator shafts

Alimak is proud to present the new Alimak LSH construction hoist. The Alimak LSH is designed for use inside elevator shafts during building construction. The construction hoist offers a number of features which enhance efficiency and drive productivity in comparison to traditional traction jump-lifts. The hoist, which can serve the highest floors, can be installed quickly with jumping operations doubling in efficiency.

Construction hoists are the most efficient vertical access solution for any construction site and Alimak is the leading choice. Adding an extra hoist inside a building's elevator shaft is ideal for transporting workers when outside space is restricted or when additional capacity is required. Designed for use in elevator shafts, the hoist has an internal size of 1.8 x 1.5 meters and 2.8 meters in height. The hoist car can transport multiple workers or goods up to 2,000 kilograms.

SUPERIOR BENEFITS VERSUS TRACTION JUMP-LIFTS

Faster installation:

The new Alimak LSH has several advantages over traditional traction jump-lifts. The hoist unit is easily installed inside the elevator shaft by tower crane and the installation process takes half the time of a traction jump-lift.

Faster and easier jumping:

As a building reaches high levels, the elevator height must be extended. With rack and pinion technology and without the need for a counterweight, jumping an Alimak LSH is twice as fast and more cost-efficient than a traditional jump-lift.

Serves the top level:

The Alimak LSH is able to serve the top level of the construction site due to the rack and pinion technology without the need for a bulky machine room or heavy steel beams for fixing suspension wires at the top. Traction solutions cannot reach such high levels and are unable to support concrete work at the top of a site.

Before the Alimak LSH is dismantled it can be used to support the installation of elevator guide rails inside the shaft. The LSH can then easily be dismantled by tower crane upon completion of the construction work if the shaft is still open at the top. The bolted design of the hoist allows for easy dismantling and removal when the shaft is already closed.



ROBUST DESIGN FOR TOUGH WORK

Like all Alimak products, the robust and durable design of the Alimak LSH is engineered for tough working conditions. With safety rails and fall protection on the roof of the Alimak LSH and without the need of a counterweight, the construction hoist provides for increased safety and straightforward installation, jumping and dismantling.

Save time and cost with enhanced efficiencies



Faster installation

The Alimak LSH is easily installed inside the elevator shaft by tower crane and the installation process takes half the time of a traction jump-lift.



Faster and easier jumping

Jumping an Alimak LSH is twice as fast and more cost-efficient than a traction jump-lift.



Serves the top level

The Alimak LSH is able to serve the top level of the construction site due to the rack and pinion technology



Made for tough working conditions

Like all Alimak products, the robust and durable design of the Alimak LSH is engineered for tough working conditions.



USER-FRIENDLY 7" TOUCHSCREEN

Alimak LSH is equipped with a large-display control panel of stainless steel design. With the user-friendly 7" touchscreen with protective glass and ingress protection IP54, Alimak's intelligent hoist monitoring system delivers real-time hoist status information.

Technical specifications

MAIN CHARACTERISTICS

- Twice as fast to install versus a jump-lift
- Twice as fast to increase height versus a jump-lift
- Serves the top level of the construction site
- Can support installation of elevator guide rails
- Easily dismantled by tower crane
- Bolted design allows dismantling in smaller parts for easier removal if no crane is available
- Safety rails and fall protection on roof increases safety during installation and jumping
- No counterweight needed
- Robust and durable design, made for tough working conditions
- A high-efficiency helical gearbox provides lower power consumption and reduced operational costs
- User friendly 7" touchscreen for easy operation
- Save time and cost with enhanced efficiencies



ALIMAK LSH	
Motor control	Frequency control (FC)
Max. payload capacity	2,000 kg
Max. payload capacity with fall protection	1,500 kg
Max. travelling speed	40 m/min.
Max. lifting height	115 m *
Car size, internal (W x L x H)	1.5 m x 1.8 m x 2.8 m
Max. load space per car	7.5 m ³
No. of motors	2 x 11 kW
Safety device type	SAJ / ALIMAK
Power supply range	400 V, 50 Hz, 3 phase
Fuse ratings	63 A
Type of mast	650 x 200, tubular steel with integrated rack
Length mast section	1.508 m
Weight mast section with 1 rack	83.5 kg
Rack module	5
Shaft size, min.	2.2 m x 2.2 m

* Increased lifting height on request.
For other demands or specifications, please consult your Alimak representative.