



CONSTRUCTION HOISTS

PRODUCT GUIDE

ALIMAK LEVATO 450

Access anytime, anywhere

ALIMAK



A modular, high-efficiency construction hoist

The Alimak™ Levato™ 450 sets a new standard in vertical access for passenger and material transportation. Built on the proven reliability of Alimak rack and pinion technology, it delivers an efficient, cost-effective, and modular solution tailored for construction and rental companies. With a new and improved hoist control system, seamless compatibility with both existing and legacy Alimak 450 construction hoists, mast climbing work platforms, and transport platforms, as well as connectivity via My Alimak; the Alimak Levato 450 integrates effortlessly into your existing fleet of Alimak construction products – enhancing productivity, flexibility, and performance on every job site.

MODULARITY

The Alimak Levato 450 offers an expanded range of access gate options, incorporating an A, B, and new C gate option, making it easier to load and unload large, bulky materials. Its modular cage design allows for seamless reconfiguration into various sizes and capacities, with multiple door and ramp options to suit diverse project needs. This adaptability is a major advantage for rental fleet owners, enabling them to customise the hoist for different job sites and maximise fleet utilisation.

COMPATIBILITY

The Levato 450 is designed for effortless compatibility with existing and legacy Alimak construction hoists (SC45, SC45/30, Scando 450), making it a cost effective addition to your fleet. It also shares the same mast type as both existing and legacy Alimak mast climbing work platforms (MC450) and Alimak transport platforms (TPM), allowing for dual configuration with these products. This versatility makes it an ideal choice for projects requiring more flexible vertical access solutions.

IMPROVED CAR DOOR DESIGN

The Levato 450 features an improved car door design, simplifying installation and reducing setup time. This streamlined approach accelerates machine preparation upon delivery, ensuring your hoists are up and running faster than ever – maximising efficiency from day one.

COST-EFFECTIVE

The base enclosure of the Levato 450 has been redesigned for faster and safer installation, allowing projects to get underway sooner. The drive unit is equipped with a highly-efficient helical gearbox, which enhances power transmission while reducing energy consumption – lowering operating costs without compromising performance.

INTELLIGENT CONTROL

Featuring the new and improved ALC III (Alimak Lift Control), with increased connectivity and more accurate control. The ALC III optimises the control system enhancing safety and improving efficiency by reducing waiting time and increasing productivity on site. The hoist control system includes a sensing device to improve landing accuracy, in addition to a frequency control unit, which provides smooth stop/start allowing less wear and tear.

Promote sustainability and maximise connectivity

MY ALIMAK

The Levato 450 is fully connected and accessible through the My Alimak web portal, empowering project managers with real-time insights to boost productivity and improve sustainability. Advanced features like BIM Gallery, performance statistics, and automated alerts enable remote monitoring and management, ensuring greater control over project timelines and safety protocols. By optimising material flow and minimising delays, the Levato 450 helps streamline construction processes and reduce costs. Additionally, each machine is equipped with a QR code for instant access to essential documents and manuals, keeping critical information at your fingertips.

COMMITMENT TO SUSTAINABILITY

The Alimak Levato 450 embodies a commitment to sustainability through thoughtful design and engineering. By optimising component compatibility across different product ranges, the construction hoist minimises material waste and extends product life cycles.

The use of frequency converters reduces current peaks, leading to lower overall power consumption, while sourcing raw materials closer to the production facility significantly reduces the environmental impact associated with transportation. Additionally, the seamless integration with My Alimak enables real-time monitoring and performance optimisation, ensuring energy-efficient operation and proactive maintenance. These sustainability-driven innovations make the Levato 450 not only a high-performing hoist but also an environmentally responsible choice for modern construction sites.





BUSBAR

The Alimak Levato 450 can be equipped with an optional electrical busbar, removing the need for a cable system. Comprised of a solid, vertical conductor, the busbar is made of aluminium and therefore designed to conduct electricity.

It's configured in 3m lengths and capable of accommodating 415-500V, 3 phase and earth power feed. The Levato 450's busbar 3 phase line collector and earth line collector connect directly to the drive unit, moving vertically within the busbar.

BENEFITS:

- High current-carrying capacity
- Easier to inspect and maintain
- Less space required compared to cable systems
- Can handle high current more efficiently
- Simplified and reliable electricity distribution

Why choose a Levato 450?

The Alimak Levato 450 construction hoist is engineered to handle the toughest demands of a busy construction site. Its robust design ensures durability and reliability in any environment. For enhanced efficiency, it seamlessly integrates with Alimak mast climbing work platforms and transport platforms, enabling the simultaneous movement of people and materials. This smart combination improves safety, streamlines workflow, and boosts productivity across your project.



Improved car door design

A complete door includes counterweights, improving machine preparation when first delivered, allowing hoists to be ready to use quicker than ever before



Intelligent control

New and improved ALC III provides a simple-to-use control system. Reduces waiting time and increases productivity on site. A sensing device improves landing accuracy and a smooth start/stop function equals less wear and tear.



Modular cage

Reconfigure into different cage sizes and capacities, with multiple door and ramp options



Safety components

Alimak safety device, overload sensor, and mechanical interlocking door system fitted as standard. Designed to enhance safety.



Digitally connected

Levato 450 is connected and accessible via the My Alimak web portal to enhance productivity, safety, and drive sustainability on your construction project



Versatile and compatible

Height components and landing equipment compatible with Alimak construction hoists (SC45, SC45/30, Scando 450). Mast type compatible with Alimak mast climbing work platforms (MC450), and Alimak transport platforms (TPM).



Quick installation

Base enclosure features less fasteners, making it quicker to install. The project work starts sooner!

Stay connected with My Alimak

My Alimak is a customised web-based portal developed by Alimak Group to enhance the safe and efficient use of Alimak construction products. The remote monitoring portal provides users with up-to-date information on their Alimak construction equipment.

The My Alimak portal displays a wide variety of operational information - with data collected and displayed in an easy-to-read format - along with many additional features such as an advanced force calculation tool, BIM and document libraries. Access to this data gives owners improved support of overall asset management, by anticipating necessary maintenance and repairs as required, enhancing safety, ensuring maximum product uptime, and minimising downtime due to repairs.

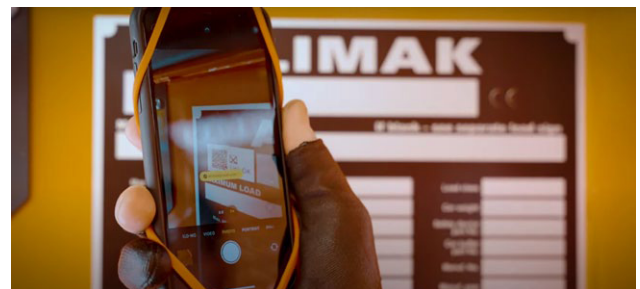
WHAT IS MY ALIMAK?

My Alimak provides vital data and information insights on equipment performance, predicting maintenance requirements becomes much simpler for your Alimak construction hoists. Information such as the number of trips, loads, hours in operation and much more, provides owners with accurate statistics of how the equipment is truly utilised.

HOW DOES IT WORK?

My Alimak is empowered via remote monitoring of the innovative ALC systems utilised in Alimak products. Alimak recently introduced the new and improved ALC III, which features increased connectivity, more accurate control, and can be customised to more machine configurations.

My Alimak and its connectivity solutions are included* in all connected Alimak construction hoists equipped with a state-of-the-art hardware solution. Multiple users can access the portal, from different platforms, at the same time - via Two-Factor Authentication (2FA), protecting your data against unauthorised access.

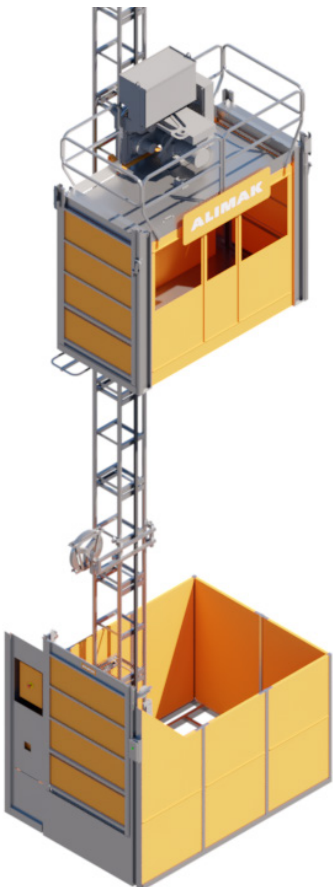


*check availability of My Alimak and its different features with your local Alimak representative.

Technical specifications

MAIN CHARACTERISTICS

- Modular cage allows the hoist to be configured to project requirements
- Quicker machine preparation through improved car door design. Only 6 bolts required to assemble each door
- New intelligent control system improves landing accuracy via sensing device
- Comfortable ride with frequency control system providing smooth stop/start
- Cost-effective helical gearbox has 30% lower power consumption
- Compatible with legacy Alimak SC45, SC45/30 and Scando 450 height components and landing equipment
- Compatible with Alimak MC 450 mast climber and TPM transport platform mast
- Robust and durable design, made for tough environments



ALIMAK LEVATO 450

Payload capacity, max.	1,000 kg	2,000 kg	2,000 kg
Travelling speed, max.	40 m/min	40 m/min	60 m/min
Lifting height, max. *	150 m	150 m	200 m
No. of motors	1	2	2
Motor control	VFC	VFC	VFC
Motor rate	11 kW	9.1 kW	9.4 kW
Car size (WxLxH)	1.4 m x 2.4-3.2 m x 2.0	1.4 m x 2.4-3.2 m x 2.0	1.4 m x 2.4-3.2 m x 2.0 m
Type of mast	450 - tubular steel	450 - tubular steel	450 - tubular steel
Length mast section	1.508 m	1.508 m	1.508 m
Rack module	5	5	5
Safety device type	Alimak	Alimak	Alimak

*For other demands or specifications, please consult your Alimak representative.

Car door configurations (A, B, and C)

