



CONSTRUCTION HOISTS

PRODUCT GUIDE

ALIMAK LEVATO 650

Access anytime, anywhere

ALIMAK



Modularity, compatibility, and intelligent control

The Alimak™ Levato™ 650 redefines vertical access for moving passengers and materials on construction sites. Leveraging the trusted Alimak rack and pinion system, it provides a modular, cost-efficient solution designed for both construction and rental companies. Featuring a new and improved hoist control system, effortless compatibility with existing and legacy Alimak construction hoists and mast climbing work platforms, plus connectivity via My Alimak, the Alimak Levato 650 fits easily into your existing fleet – boosting productivity, enhancing safety, and increasing efficiency.

MODULARITY

The Alimak Levato 650 features a wider range of access gate options, incorporating an A, B, and new C gate option, making it simpler to handle large or awkward loads. Its modular cage can be reconfigured into different sizes and capacities, with multiple door and ramp choices to meet varied project requirements. This flexibility is especially valuable for rental fleet operators, allowing them to tailor the hoist for different sites and maximise fleet usage.

COMPATIBILITY

Designed for easy integration, the Levato 650 offers effortless compatibility with existing and legacy Alimak construction hoists (Scando 650, SC 65, SC 65/32), making it a smart, cost-effective addition to your fleet. It also shares the same mast as Alimak MC 650 mast climbing work platforms. This versatility makes it ideal for projects needing adaptable vertical access solutions.

IMPROVED CAR DOOR DESIGN

The Levato 650's redesigned car door simplifies installation and cuts down setup time. This streamlined design speeds up machine preparation upon delivery, so your hoists are operational faster – boosting efficiency from the start.

COST-EFFECTIVE

The Levato 650's base enclosure has been updated for quicker, safer installation, allowing project work to begin sooner. Its drive unit features a highly efficient helical gearbox, improving power transmission and reducing energy use – lowering operating costs while maintaining top performance.

INTELLIGENT CONTROL

Equipped with the new and improved ALC III (Alimak Lift Control), the Levato 650 offers increased connectivity and more precise control. The ALC III enhances safety and improves efficiency by minimising wait times and boosting productivity. The control system includes a sensing device for improved landing accuracy and a frequency control unit, which provides smooth stop/start, resulting in reduced wear and tear.

Committed to sustainability

MY ALIMAK

The Levato 650 is fully connected via the My Alimak web portal, giving project managers real-time insights to increase productivity and support sustainability. Features like BIM Gallery, performance statistics, and automated alerts enable remote monitoring and management, improving control over project schedules and safety protocols. By streamlining material flow and reducing delays, the Levato 650 helps make construction processes more efficient and cost-effective. Each unit also features a QR code for instant access to key documents and manuals.

COMMITMENT TO SUSTAINABILITY

Sustainability is at the heart of the Levato 650's design. By optimising component compatibility across product ranges, it reduces material waste and extends product life cycles. Frequency converters lower power peaks, cutting overall energy use, while sourcing materials closer to the factory reduces transport-related environmental impact.

Integration with My Alimak enables real-time monitoring and performance optimisation, ensuring efficient operation and proactive maintenance. These innovations make the Levato 650 a high-performing, sustainable choice for modern construction sites.



BUSBAR

The Levato 650 can be fitted with an optional electrical busbar, eliminating the need for traditional cable systems. Made from aluminium, the busbar is a solid vertical conductor, configured in 3-metre lengths and suitable for 415-500V, three-phase and earth power supply.

The hoist'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
- Requires less space compared to cable systems
- Simplifies and improves power distribution
- Easier to inspect and maintain
- Manages high current loads more efficiently



ALIMAK LEVATO 650

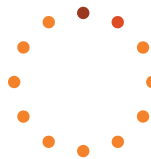
Why choose a Levato 650?

The Alimak Levato 650 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 650 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 (Scando 650, SC65/32, SC65). Mast type compatible with Alimak mast climbing work platform (MC650)



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 design enables hoist to be configured to project requirements
- Improved car door design means faster machine preparation, just 6 bolts required to assemble each door
- New intelligent control system improves landing accuracy via sensing device
- Frequency control system delivers a comfortable ride, providing smooth stop/start
- Cost-effective helical gearbox has 30% lower power consumption
- Compatible with Alimak Scando 650, and legacy SC 65/32 and SC 65 height components and landing equipment
- Compatible with Alimak MC 650 mast climbing work platform
- Durable, robust design – built to withstand tough environments



ALIMAK LEVATO 650

Payload capacity, max.	2,000 kg	2,000 kg	3,000 kg	2,000 kg	3,000 kg
Travelling speed, max.*	40 m/min	60 m/min	60 m/min	90 m/min	90 m/min
Lifting height, max.**	150 m	200 m	200 m	200 m	200 m
No. of motors	2	2	3	3	3
Motor control	VFC	VFC	VFC	VFC	VFC
Motor rate	9.1 kW	9.4 kW	11 kW	11 kW	22 kW
Car width	1.5 m	1.5 m	1.5m	1.5 m	1.5 m
Car length***	3.2-5.0 m	3.2-5.0 m	3.2-5.0 m	3.2-5.0 m	3.2-5.0 m
Car height	2.3 / 2.5 m	2.3 / 2.5 m	2.3 / 2.5 m	2.3 / 2.5 m	2.3 / 2.5 m
Type of mast	650 - tubular steel	650 - tubular steel	650 - tubular steel	650 - tubular steel	650 - tubular steel
Length mast section	1.508 m	1.508 m	1.508 m	1.508 m	1.508 m
Rack module	5	5	5	5	5
Safety device type	Alimak	Alimak	Alimak	Alimak	Alimak

*Max. travelling speed may change depending on configuration **Increased lifting height on request *** Car lengths: 3.2 m, 3.9 m, 4.6 m, 5.0 m.
For other demands or specifications, please consult your Alimak representative.

Car door configurations (A, B, and C)

