



TRANSPORT PLATFORMS

PRODUCT GUIDE

ALIMAK VECTIO 650

Access anytime, anywhere





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ALIMAK VECTIO 650

Large-scale transport platform for bulky goods and personnel

The Vectio™ 650 is the latest innovation of transport platforms from Alimak™. It is our largest transport platform with an astonishing size of up to 14.7 square metres allowing the vertical transportation of wide, heavy and bulky goods in addition to personnel, reducing the need of the tower crane at the construction site.

The large-scale Alimak Vectio 650 transport platform provides the ideal vertical access solution for efficiently transporting large, prefabricated pods, external cladding panels and other bulky materials – as well as personnel – to the desired levels of a construction site to enhance productivity. It is also ideal in combination with Alimak construction hoists to split the movement of passengers and materials and by that increase efficiency and safety at the construction site.

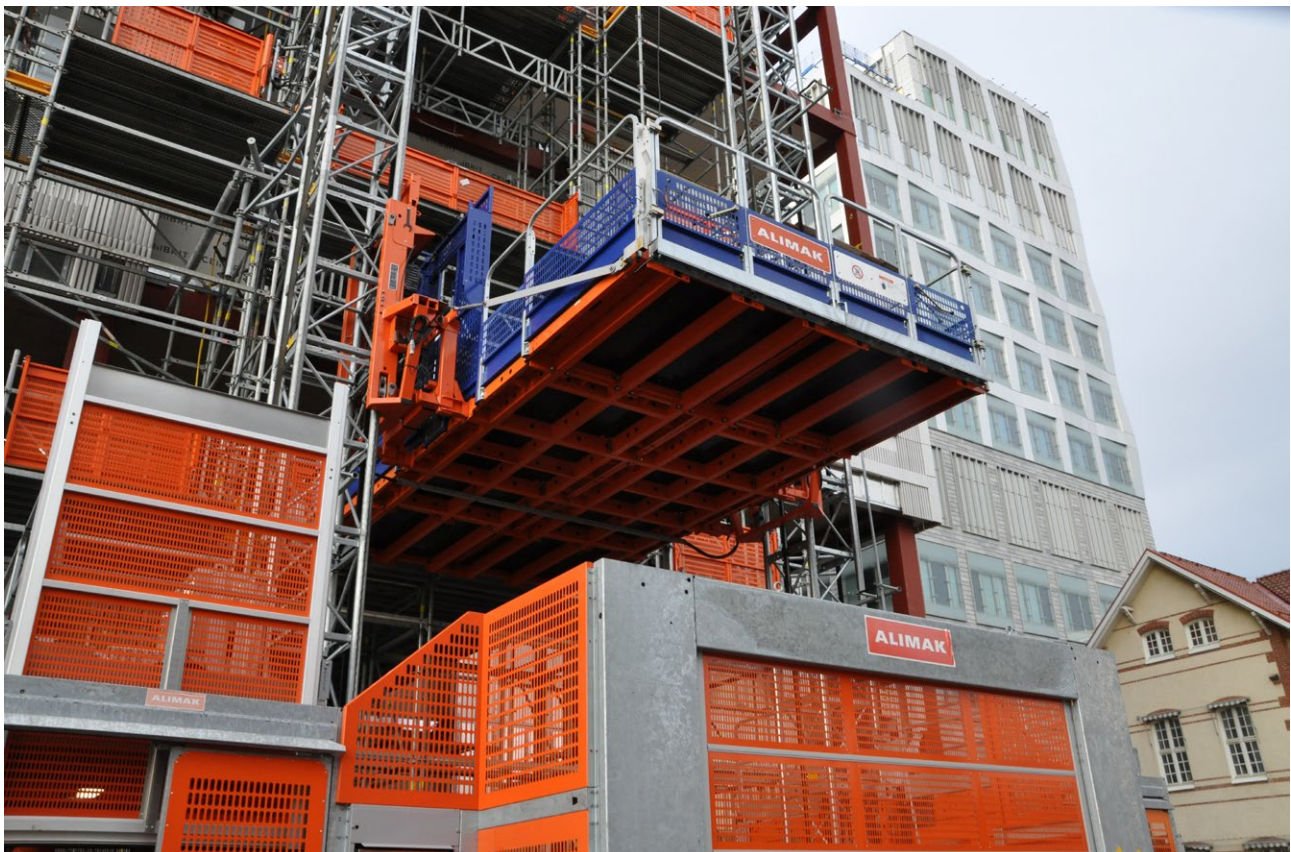
MODULAR DESIGN OFFERS TRUE FLEXIBILITY

The modular design of the Vectio 650 range offers true flexibility through custom design options built on single or twin-mast systems. The platform size and capacity are customisable depending on the requirements and parameters of a project.

Alimak Vectio 650 range is available as single-mast or twin-mast configuration. The single-masted version has a payload capacity of up to 2,600 kg and platform size of up to 7.35 square metres. The twin-masted version can handle payloads of up to 5,800 kg and has a platform size of up to 14.7 square metres.

The Vectio 650 can accommodate additional hoist combinations on the opposite side of the mast to increase the vertical transportation of personnel and material on the construction site.

Vectio 650 can run in either material hoist mode at the travel speed of 24 m/min for goods only transportation needs, or transport platform mode at the travel speed of 12 m/min to allow both passengers and materials.



ALIMAK VECTIO 650

Combine with construction hoists for optimal productivity and safety

Alimak Vectio 650 transport platform can be combined with Alimak construction hoists to separate vertical transportation of materials and personnel, increasing logistic efficiency and safety.

The Alimak Vectio 650 transport platform can be combined with one or two Alimak Scando 650 construction hoists running on the same mast system.

Combining a transport platform and a construction hoist separates the moving stream of people and materials, increasing logistic efficiency and safety. Moving materials requires longer load times resulting in longer wait times. Due to the open design of the transport platform, materials can easily be transported to move larger volumes which cannot pass the door of the construction hoist. At the same time, the hoist is then available for the rapid movement of personnel.

COMPATIBLE AND VERSATILE

The Vectio 650 transport platform system not only has the advantage of being able to run on the same mast as hoists, it is also compatible with the complete tie system, landing system and accessories of the Alimak Scando 650 construction hoist range. This unique advantage improves the utilization of accessories and increases the access capability in a cost-effective way.

Compatible systems and accessories:

	VECTIO 650	SCANDO 650
Mast system	√	√
Tie system	√	√
Base frame	√	√
Cable guiding system	√	√
Landing door	√	√
Landing gate	√	√
Installation crane	√	√

EFFICIENT FC DRIVE UNIT

The variable frequency control drive unit of the Alimak Vectio 650 range requires minimal maintenance, offers optimal performance over long periods of time and enables superior ride comfort through smoother starts and stops.

The Vectio 650 is capable of travelling at speeds of 24 metres per minute in material hoist mode for a rapid heavy-duty vertical transportation, and 12 metres per minute in transport platform mode.

EASY LOADING AND UNLOADING

The open design of the transport platform supports easy loading and unloading of wide and bulky goods. The Vectio 650 platform can be configured with either foldable doors or manual ramps which both gives an opening width of 1.5 metres for a single mast platform and 3.0 metres for a twin mast platform. For use with either the standard full-height Scando 650 landing door system or a low-height gate system.

CONTROL SYSTEM

- Mode of use: Collective / Cage control
- Automatic control with ALC-II system
- VFC system
- Platform light
- Audible alarm for emergency situations
- Call boxes



ALIMAK VECTIO 650

Why choose a Vectio 650?

Alimak Vectio 650 is designed to enhance efficiency, safety, and productivity on construction sites. The product is a testament to Alimak's commitment to providing superior vertical access solutions that meet the evolving needs of the construction industry. Below, we provide an overview of the Vectio 650's key features and unparalleled advantages in modern construction environments.



Sustainable design

100% renewable energy used in manufacturing with low CO₂ impact, efficient energy operating consumption, reduces environmental impacts.



Made for tough working conditions

Like all Alimak products, the simple, yet robust and durable design of the Vectio 650 is engineered for tough working conditions.



Digitally connected

Alimak Vectio 650 is digitally connected and accessible via the My Alimak portal to enhance productivity, safety and drive sustainability on your construction project.



Versatile and compatible

Compatible with Scando 650 height components, landing equipment and several accessories, making it the ultimate choice for rental fleet owners.



Extra large loading capacity

Support efficient vertical transportation of wide and bulky loads to the desired levels to enhance productivity.



Ideal in combination with hoists

Ideal in combination with Alimak construction hoists to split the movement of passengers and materials and by that increase efficiency and safety at the construction site.



Say hello to the future of digitalisation in the vertical access industry

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.

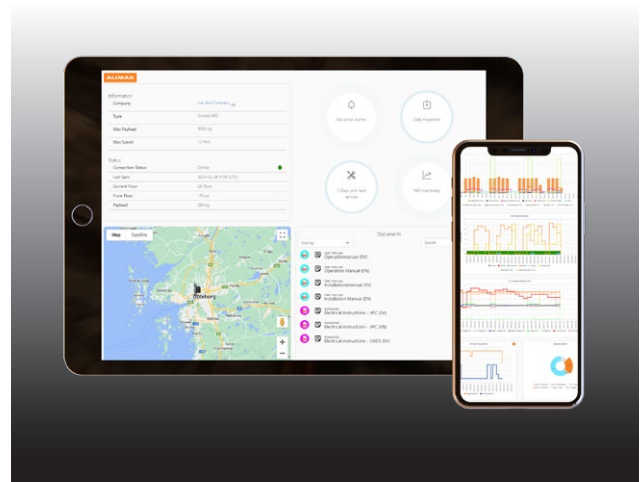
WHAT IS MY ALIMAK?

My Alimak provides vital data and information insights on equipment performance, predicting maintenance requirements becomes much simpler for your Alimak product. Information such as the number of trips, load, 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.

My Alimak and its connectivity solutions are included* in all connected Alimak products 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.

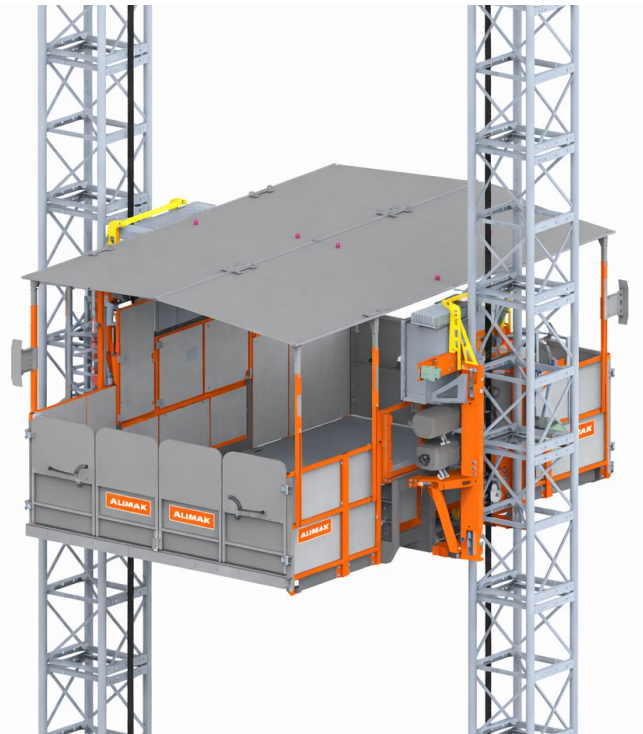


* Check availability of My Alimak and its different features with your local Alimak representative.

Technical specifications

MAIN CHARACTERISTICS

- Modular design with a choice of platform sizes and capacities
- Open design supports easy loading and unloading of wide and bulky goods
- Manufactured with low environmental impacts
- Enhanced productivity and safety in combination with Alimak construction hoists
- Compatible with Alimak's 650 mast, tie and landing gate systems
- Digitally connected and accessible via My Alimak
- Robust and durable design, made for tough working conditions
- Low step-in height of 0.4 m
- Fully compliant with EN 12158 and EN 16719, A92.10



ALIMAK VECTIO 650	Single mast	Twin mast
Motor control	Frequency control (FC)	Frequency control (FC)
Payload capacity, max.	2,600 kg (5,800 lbs)	5,800 kg (12,750 lbs)
No. of people, max. (TP/MH mode)	7*/0	7*/0
Speed, max. (TP/MH mode)	12/24 m/min. (39/79 fpm)	12/24 m/min. (39/79 fpm)
Platform width, internal	1.5 m (4'-11")	3.0 m (9'-10")
Platform lengths, internal	3.1, 3.8, 4.5 or 4.9 m (10'-2", 12'-6", 14'-9" or 16'-1")	3.1, 3.8, 4.5 or 4.9 m (10'-2", 12'-6", 14'-9" or 16'-1")
Platform step-in height	0.4 m (1'-4")	0.4 m (1'-4")
Lifting height, max.	100 m (328')	100 m (328')
First anchor position, max.	15 m (49')	15 m (49')
Tie distance, max.	15 m (49')	15 m (49')
No. of motors	2 x 10 kW	4 x 10 kW
Safety device type	Alimak Original	Alimak Original
Power supply range	400–480 V, 50/60 Hz, 3 phase	400–480 V, 50/60 Hz, 3 phase
Fuse ratings	63 A	2 x 63 A
Type of mast	650 x 650, module 5 rack	650 x 650, module 5 rack
Length mast section	1.508 m (4'-11")	1.508 m (4'-11")
Weight mast section with 1 rack	118 kg (260 lbs)	118 kg (260 lbs)

* Max number of people depending on local regulations.
For other demands or specifications, please consult your Alimak representative.