



CONSTRUCTION HOISTS

PRODUCT GUIDE

ALIMAK SCANDO 650

Access anytime, anywhere

ALIMAK



Intelligent control

The microprocessor-based Alimak Lift Control system ALC-II reduces waiting times substantially and solves your site logistic problems.

Superior comfort

Frequency control provides very smooth starting and stopping with low starting current and less wear and tear.

Flexible modular design

The hoist car design is truly modular and offers several optional lengths and multiple door and ramp choices.

Economical

Reduced cost for fleet owners and rental companies due to flexibility, durability, and accessibility, leading to low cost of ownership.

ALIMAK SCANDO 650

Construction hoists with flexible, modular design

Alimak Scando 650 is the world's most popular construction hoist concept, and your best choice for efficient construction logistics. The modular system offers flexibility, efficiency, safety, productivity, low energy consumption and low cost of ownership, making it the ultimate choice for both construction and rental companies.

INTELLIGENT CONTROL

Alimak Scando 650 comes with a modern microprocessor-based control system, ALC-II. It has group control for up to six hoist cars, which can solve many site logistic problems at large construction sites. For example, the system reduces waiting times by storing all calls from the landings and sending the hoist car that is logistically nearest to a landing to pick up cargo or passengers. ALC-II also features fault diagnostics and is furthermore the base of our advanced online system A³ for remote monitoring. The system collects and displays a wide variety of operational information, to minimize down time.

MORE HOISTPOWER, LESS POWER CONSUMPTION

Alimak Scando 650 can be equipped with a frequency control unit (FC), with closed-loop, which gives very smooth starting and stopping with low starting current and less wear and tear. The Alimak Scando 650 operates at speeds up to 65 m/min (213 fpm) and provides more hoistpower, while using as much as 40% less power than previous models.

TRULY FLEXIBLE MODULARITY

The Alimak Scando 650 can be used in single or dual car configurations. The hoist car design is truly modular and offers several car lengths between 2.8–5.0 m (9' 2 1/4"–16' 4 3/4") and a multiple choice of doors or ramps. The 650 modular system that can adapt to different applications using relatively few modules and components. The Alimak Scando 650 offers payloads of 1,500 kg to 3,200 kg (3,300–7,054 lbs) per car and has a standard maximum lifting height of 250 m (825 ft), which can be increased up to 400 m (1,300 ft) on request.

NO APPLICATIONS ARE TOO DIFFICULT

When choosing an Alimak range hoist, you also choose access to a long, genuine experience of complex vertical access requirements from many different parts of the world. To Alimak, no applications are too difficult to solve. Adding the facts that our hoists have a very long lifetime, high quality and low cycle cost makes it easy to choose an Alimak hoist.



Technical specifications

MAIN CHARACTERISTICS

- Robust design and excellent comfort
- Modular car design with extensions and multiple door and ramp options
- Single and dual car configurations
- Triple entrance possible at ground level and at any landing level
- A high-efficiency helical gearbox provides lower power consumption and reduced operational costs
- ALC-II collective control system with group control and internal fault diagnostics system. Control panel movable between two sides
- Built-in stainless steel electrical cabinet maximises internal hoist dimensions for increased lifting capacity
- Wide range of optional equipment and functions
- Remote monitoring system
- Fully compliant with EN, ANSI, AS, PB and the majority of all national regulations.



| ALIMAK SCANDO 650 | DOL | FC |
|---------------------------------|------------------------------------------|------------------------------------------|
| Motor control | Direct-on-line (DOL) | Frequency control (FC) |
| Max. payload capacity | 1,500–3,200 kg (3,300–7,054 lbs) * | 1,500–3,200 kg (3,300–7,054 lbs) * |
| Max. travelling speed | 38 m/min. (125 fpm) | 66 m/min. (216 fpm) |
| Max. lifting height | 250 / 400 m (825 / 1300 ft) * | 250 / 400 m (825 / 1,300 ft) * |
| Car width, internal | 1.5 m (4'-11") | 1.5 m (4'-11") |
| Car length, internal | 2.8–5.0 m (9'- 2 ¼"-16'- 4 ¾") | 2.8–5.0 m (9'- 2 ¼"-16'- 4 ¾") |
| Car height, internal | 2.3 m (7'-6 ½") | 2.3 m (7'-6 ½") |
| Max. load space per car | 17 m ³ (610 ft ³) | 17 m ³ (610 ft ³) |
| No. of motors | 2 x 11 kW | 2 or 3 x 11 kW |
| Safety device type | ALIMAK GFD | ALIMAK GFD |
| Power supply range | 400–500 V, 50 or 60 Hz, 3 phase | 400–500 V, 50 or 60 Hz, 3 phase |
| Fuse ratings | From 60 A | From 63 A |
| Type of mast | 650, tubular steel with integrated rack | 650, tubular steel with integrated rack |
| Length mast section | 1.508 m (4'-11 ⅜") | 1.508 m (4'-11 ⅜") |
| Weight mast section with 1 rack | 118 kg (260 lbs) | 118 kg (260 lbs) |
| Rack module | 5 | 5 |

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