



## 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 A<sup>3</sup> 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 is 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 66 m/min (216 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, TR and the majority of all national regulations.



### ALIMAK SCANDO 650

Motor control	Frequency control (FC)
Max. payload capacity	1,500–3,200 kg (3,300–7,054 lbs) *
Max. travelling speed	66 m/min. (216 fpm)
Max. lifting height	250 / 400 m (825 / 1300 ft) *
Car width, internal	1.5 m (4'-11")
Car length, internal	2.8–5.0 m (9'-2 1/4"-16'-4 3/4")
Car height, internal	2.3 m (7'-6 1/2")
Max. load space per car	17 m <sup>3</sup> (610 ft <sup>3</sup> )
No. of motors	2 or 3 x 11 kW
Safety device type	ALIMAK GFD
Power supply range	400–500 V, 50 or 60 Hz, 3 phase
Fuse ratings	From 63 A
Type of mast	650, tubular steel with integrated rack
Length mast section	1.508 m (4'-11 3/8")
Weight mast section with 1 rack	118 kg (260 lbs)
Rack module	5

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