



## CONSTRUCTION HOISTS

PRODUCT GUIDE

# ALIMAK SCANDO 450

Access anytime, anywhere

**ALIMAK**

• Authorized Distributor •



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#### **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. Fuse ratings from 25 A for low energy consumption.

# ALIMAK SCANDO 450

## Flexible, modular design, low power consumption and low cost of ownership

**Alimak Scando 450 is a construction hoist for passengers and materials. It offers flexibility, efficiency, safety, low energy consumption and low cost of ownership making it the ultimate choice for both construction and rental companies. Fuse ratings from 25 A result in low energy consumption.**

### INTELLIGENT CONTROL

Accessibility is improved by a modern microprocessor based control system, ALC-II, which can solve many site logistic problems. 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.

Alimak Scando 450 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.

### UNIQUE ADVANTAGE IMPROVES UTILIZATION

The Alimak Scando 450 can be used in single or dual car configurations. Alimak Scando 450 can also share the mast of an MCM mast climbing work platform or a TPM transport platform. This unique advantage improves utilization of accessories and increases the access capability in a cost-effective way. The hoist car design is truly modular and offers several optional car lengths between 2.0 – 3.2 m (6'-6 3/4" – 10'-6") and a multiple choice of doors or ramps.

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

- Modular car design with extensions and multiple door and ramp options
- Single and dual car configurations
- Dual 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
- Built-in electrical cabinet maximises internal hoist dimensions for increased lifting capacity
- Durable materials: Car walls and door cladding of perforated steel sheeting, with hot dip galvanized steel mast sections. All stainless steel electrical cabinets and landing control boxes
- 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 450	DOL	FC
Motor control	Direct-on-line (DOL)	Frequency control (FC)
Max. payload capacity	2,000 kg (4,400 lb)	2,000 kg (4,400 lb)
Max. travelling speed	38 m/min. (125 fpm)	0–54 m/min. (0–177 fpm)
Max. lifting height	200 / 300 m (492 / 984 ft) *	200 / 300 m (492 / 984 ft) *
Car width, internal	1.4 m (4'-7")	1.4 m (4'-7")
Car length, internal	2.0 – 3.2 m (6'-6 3/4" – 10'-6")	2.0 – 3.2 m (6'-6 3/4" – 10'-6")
Car height, internal	2.13 m (6'-11 1/8")	2.13 m (6'-11 1/8")
Max. load space per car	9.5 m <sup>3</sup> (335 ft <sup>3</sup> )	9.5 m <sup>3</sup> (335 ft <sup>3</sup> )
No. of motors	1 or 2 x 7.5 or 11 kW	1 or 2 x 11 kW
Safety device type	ALIMAK GF	ALIMAK GF
Power supply range	380–500 V, 50 or 60 Hz, 3 phase	380–500 V, 50 or 60 Hz, 3 phase
Fuse ratings	From 35 A	From 25 A
Type of mast	450, tubular steel with integrated rack	450, tubular steel with integrated rack
Length mast section	1.508 m (4'-11 3/8")	1.508 m (4'-11 3/8")
Weight mast section with 1 rack	70 kg (155 lb)	70 kg (155 lb)
Rack module	5	5

\* Up to 300 m (984 ft) lifting height on request. The maximum lifting height with 1-motor drive is 100 m (328 ft). For other demands or specifications, please consult your Alimak representative.