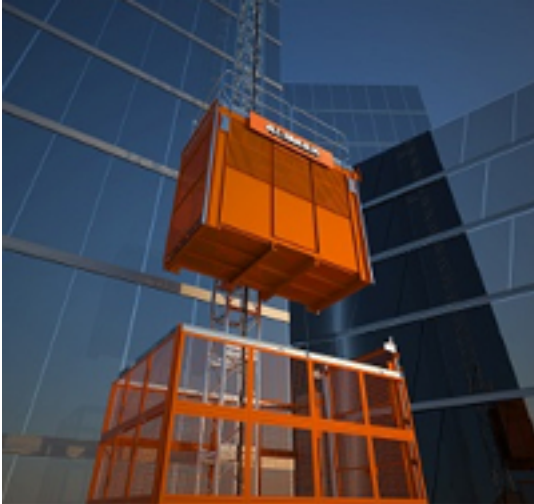


Product Specification



Product specification

ALIMAK SCANDO 450 DOL SPECIAL

HOIST CAR

The cage is designed to meet the regulations and requirements from the construction industry. A modular concept allows for a big variety of capacity, cage sizes, doors and ramps. Single or twin installations available.

BASE ENCLOSURE

The Base Enclosure follows the design and modularity of the Hoist Car. The Base Enclosure can be equipped with up to 3 doors. The enclosure has forklift pockets to allow easy forklift handling.

MACHINERY

The machinery is placed on top of the Hoist Car to allow maximum space inside the Hoist Car.

A Direct-on-line or Frequency Controlled drive is available. Different speed and capacity options available. The machinery is delivered separately from the car mounted on one piece of mast section. Quick Electrical Connection for easy connection of machinery to the hoist car.

MAST & TIE-IN

Strong, light weight one or two rack galvanized mast sections assembled with 4 bolts. Each mast section is 1,5 meters. The mast section allows lifting heights up to 400 meters without any reinforcements.

Tie-ins are available in different lengths and can be placed on different sides of the mast. Option for using vertical pipes is also available.

CABLE AND CABLE GUIDING SYSTEM

The cable guiding system ensures that the cable/cables will safely follow the Hoist Car. Depending on lifting height, capacity and options, single/double wheel trolley or a cable basket will be delivered.

LANDING EQUIPMENT

The Alimak Scando range features landing doors of several different designs, offering flexibility, and meeting regulations for installation. Same doors can be used for both the 450 and 650 range.

INSTALLATION AND MAINTENANCE OPTIONS

A variety of installation and maintenance options is available to ensure an easy and safe installation. Erection crane and assembly platform, automatic rack lubrication, lifting yoke for 2-5 mast sections, foundation frame and drop test units are some of the features available.

QUALITY AND HSE SYSTEM

Alimak Group Sweden AB is certified to ISO 9001, ISO 14001 and OHSAS 1800. The certificate covers the design, development, manufacture, rental and service of all our products.

For more information see Technical data sheet

Technical data

ALIMAK SCANDO 450 DOL 15/24 SP

GENERAL

Installation country	USA
Main regulation	ANSI A10.4:2016
Drive unit	2x11 kW DOL
Hoist setup	Left hung hoist
Entrance door	Vertical door
Exit door	Vertical door
C-door	Not possible (welded c-side)

PERFORMANCE

Pay load capacity	1500 kg (3300 lbs)
Number of persons	16 pers
Average speed up/down at rated payload	0.62 m/s (37 m/min 123 fpm)
Max lifting height this configuration	328.10 ft
Cable guiding system	Cable trolley on separate guide
Buffer	Spring
Number of buffers	3
Safety device	GF
Tripping speed	177 ft/min

CAR

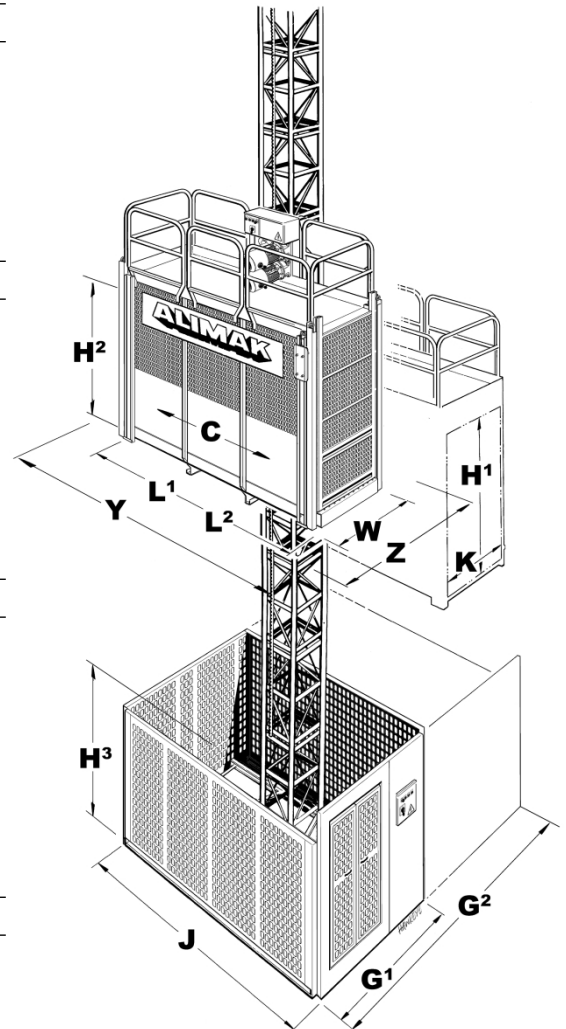
Internal car length (L1)	7.87 ft
Internal car width (W)	4.59 ft
Internal car height (H2)	6.56 ft
External car length (L2)	8.30 ft
Door width, A and B door (K)	4.59 ft
Door opening heights (H1)	6.56 ft
Door opening height C door	0.00 ft
Min shaft length (Y)	8.96 ft
Min shaft width (Z)	7.96 ft

ELECTRICAL DATA

Supply voltage	480 V
Frequency	60 Hz
Power consumption	37 kVA
Starting current	289 A
Recommended power supply fuses	60 A
Car voltage	480 V
Motor power	2x11 kW DOL
Feeding power cable(s)	Trolley, 25 mm2 Hybrid, No call + 25 mm2 Fixed
Trailing cable length	88.59 ft

TRANSPORT DIMENSIONS AND WEIGHTS

Car weight (incl drive unit)	2,778 lb
Drive unit weight	1,069 lb
Base unit weight (single excl drive)	3,940 lb
Mast section weight	157 lb
Mast section length	4.95 ft
Base unit length	9.64 ft
Base unit height	8.81 ft
Total (shipped) weight incl. height components	9,435 lb



* Image shows Base landing

Scope of supply

ALIMAK SCANDO 450 DOL 15/24 SP

Weight: 1500 kg (3300 lbs)

BASE

HOIST

- 1 Alimak Scando 450, 2.4 m, 2 vertical doors, payload over 1400 kg
 - Car L=2.2-2.4 m (car base L=2.0 m) Max. 2000 kg payload
 - ALC DOL S.N.L, No Landing Call
 - Upgrade for 500V 60Hz version (US)(2 motor)
 - Overload sensing device, Scando
 - Electrical supervised roof hatch
 - Electromagnet as car door locking (EN demand) 1/door
 - Erection crane bracket, el. supervised
 - Wire marking, partex (FC)
 - A3 Remote Monitoring (Free of charge during warranty)
 - Sandwich Floor

- 1 Railing, L=2.4/2.6 m, DOL
 - Railing L=0-3 m

- 1 Disassembled cage parts - container shipment
 - Cage components, price incl in hoist cage

- 1 Cam On car for mech interlock

- 2 Switch bracket

- 1 Drive unit on mast, 450
 - 2-motor DOL 50 or 60HZ, 1400 kg - 2000 kg, 0.63 m/sec

- 1 Base landing L=2.4m 450
 - Base landing L=2.4 m, entrance door
 - Base details, trolley guide Alimak Scando 450
 - Cable trolley separate guide

- 1 Enclosure door 1.4 m, Entrance left-hung (B-side)

- 1 Support Enclosure exit side 450 CageL 2.4-3.2m.

- 1 AB-Side W=1,4 m

- 1 Enclosure section Central piece, extention part, single

- 1 Enclosure section, panel H=2.5 m

- 1 C-side L=2.4m

- 1 D-side L=2.4 m With hatch

- 1 Enclosure panel with hatch

- 1 One tray, entrance

- 1 Scando B-Panel 1

- 1 H-Equipment

- 1 Raised buffer assembly (3 std spring)

- 2 Vertical sliding door 1.4 m

- 1 Base frame, L=2.4 m

BASE OPTIONS

- 1 Raised enclosure AB-side H=1.2 m W=1.4 m, single

HEIGHT COMPONENTS

MAST AND TIES

- 19 Mast section 450x450, one rack

3 Tie, type R2C, L=550-800 mm

1 Installation and maintenance accessories

CABLE SYSTEMS

27 Trailing power cable 25 mm² +3 (Trolley)

27 Fixed power cable 25 mm²

27 Fixed control cable, 18x2.5 mm²

1 Base details, trolley guide Alimak Scando 450 with raised enclosure ETO!

4 Guide rail for trolley L=4.5 m

4 Support cable trolley guide

4 Cable guide for lower ½ LH when trolley (1 pce/guide rail)

1 Cable guide for basket & upper 1/2 LH when trolley

1 Cable bracket in mast, for trolley on guide

1 Cable junction box, stainless steel, for trolley

MISCELLANEOUS

OPTIONS

1 Lifting loop Alimak Scando 450 3.8 ton

1 Drop test unit

PACKING

1 Alimak standard packing and loading
- *Packing Alimak Scando 450*

DOCUMENTATION

1 End user case with paper manual and USB

1 Final documentation - USB

CUSTOMIZATION
