



## INDUSTRIAL ELEVATOR

PRODUCT GUIDE

# ALIMAK SL 500/1000

Access anytime, anywhere

**ALIMAK**

# ALIMAK SL 500/1000

## Service elevator for permanent installation

The Alimak SL service elevator series is designed for permanent installation in many industries. The typical applications include chimneys, transmission towers, bridge pylons, tunnels, nuclear power plants, coal transfer towers, silos, and communication towers. With the Alimak SL elevator, customers can access, monitor and service key processes in their plants, decreasing operational costs and increasing uptime for their plants. Alimak SL service elevators are built to last in the harshest environments.

### ROBUST DESIGN

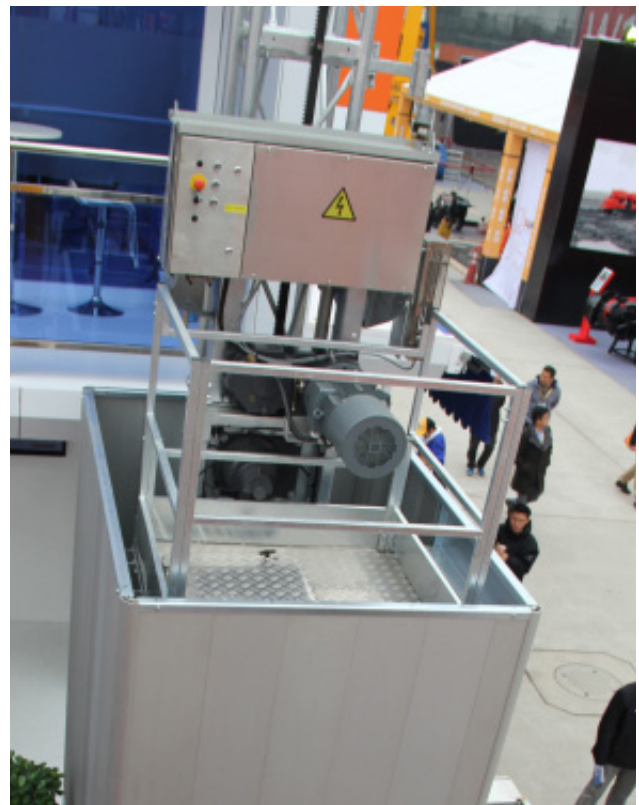
Made of aluminium and hot dipped galvanized steel, the Alimak SL elevator car maximizes operator comfort without compromising operating reliability. It also gives the elevator the ability to handle your toughest working environments.

### SAFETY AND RELIABILITY

The Alimak SL incorporates all the safety features that have made Alimak elevators a benchmark for the elevator industry worldwide. The mechanical and electrical interlocking door system and Alimak safety device guarantee the highest safety standards. If the elevator exceeds the rated speed, the unique progressive Alimak safety device brings the car to a smooth stop.

### EASY TO OPERATE

The Alimak SL is push button operated from the car and landings. A modern collective control system, which operates like a conventional elevator, can be adjusted to your preferences based upon frequency of use, application and number of landings. All controls are logically positioned in the car and the car wall integrated electrical unit is easily accessible for servicing and maintenance.





### **RACK AND PINION OFFERS GREAT AVANTAGES**

The Alimak SL is built on the simple, but ingenious rack and pinion principle. Our elevators have their drive motors fitted on top of the car along with the brake and gearbox. The motor drives a pinion that moves along the rack, which is bolted to the elevator mast tower. This technology enables the elevator car to climb up and down the mast at a controlled speed. Neither a machine room nor a shaft are required.

### **INDUSTRY MOVER AND SHAKER**

Alimak has been an industry leader in supplying elevators based on rack & pinion drive technology for almost 60 years. An installed base of a total of 22,000 elevators, hoists and platforms for a broad spectrum of industries around the world, has given us a unique and extensive engineering knowledge gained from each individual installation. Elevators from Alimak regularly demonstrate the ability to withstand the toughest challenges, provide reliable access, anytime and anywhere needed, from silos, chimneys, and boiler houses to warehouses, container cranes, underground shafts, hull columns, and derrick towers.



## Technical specifications

### MAIN CHARACTERISTICS

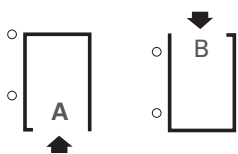
- Drive machinery located on the car means no costly machine room is required
- Bi-folding car doors with mechanical and electrical interlocking
- Landing doors with mechanical interlocking and electrical safety switch from car
- Full collective landing call function
- Safety features including safety device, door interlock-ings, emergency lowering device
- Durable materials: aluminium car wall panels with car support frame and mast sections of hot dip galvanized steel. All stainless steel electrical cabinets



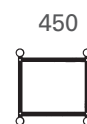
	SL 500	SL 1000
Motor control	DOL / FC	DOL / FC
Max. payload capacity	500 kg (1,100 lbs)	1,000 kg (2,200 lbs)
Travelling speed	30 m/min (98 ft/min)	30 m/min (98 ft/min)
Max. lifting height	250* m (820 ft)	250*m (820 ft)
Car size, internal ( W x L x H )	1.04 x 1.17 x 2.2 m (3'5''x 3'10''x 7'3'')	1.04 x 1.17 x 2.2 m (3'5''x 3'10''x 7'3'')
Door opening ( W x H )	0.66 x 2 m (2'2'' x 6'7'')	0.66 x 2 m (2'2''x 6'7'')
No. of motors	1 x 8.5 kW	1 x 11 kW
Control system	Push button	Push button
Power supply range	380-500 V, 50/60 HZ, 3 P	380-500 V, 50/60 HZ, 3 P
Type of mast	450	450
Length mast section	1.508 m (4'11'')	1.508 m (4'11'')

\*Increased lifting height on request.

### CAR DOOR CONFIGURATIONS (A, B OR A + B)



### TYPE OF MAST



**FOR OTHER DEMANDS OR SPECIFICATIONS, PLEASE CONSULT YOUR ALIMAK REPRESENTATIVE.**

[www.alimak.com](http://www.alimak.com)

