



INDUSTRIAL ELEVATORS

PRODUCT GUIDE **ALIMAK SE-H**

Access anytime, anywhere





- Larger elevator cars
- Increased capacity
2,100–3,300 kg (4630–7275 lbs)
- Stiffer, stronger car

ALIMAK SE-H

Stronger, bigger, better goods & passenger lifting

Lift both goods and passengers with the unmatched heavy vertical lifting capacity of the Alimak SE-H elevator range for increased productivity and profitability. No working environment is too tough, no lift requirement too demanding. And the elevator is fully compliant with EU and US regulations.

LIFTING PRODUCTIVITY AND PROFITABILITY

Welcome to your extremely robust and durable high capacity elevator solution for demanding vertical goods and passenger elevators that will boost your profitability by letting you lift bigger loads more easily and cost efficiently than ever before, no matter how tough the working environment, indoors or outdoors

No environment is too hostile for the latest Alimak SE-H range. Shrugging off extreme heat, cold, dust or salt, the Alimak SE-H delivers on our promise to constantly evolve our innovative elevators with tangible benefits for your productivity and profitability.

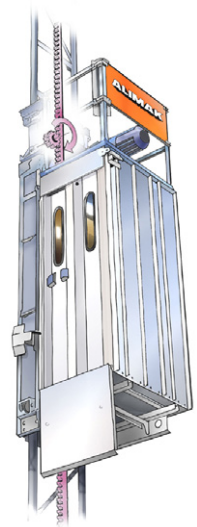
VAST GLOBAL EXPERIENCE

The latest Alimak SE-H builds on the experience gained from thousands of elevator installations worldwide, which have been given a vote of confidence by customers across a spectrum of industries. With an installed base of over 22,000 vertical transport solutions, Alimak elevators are today used to provide reliable heavy lifting access in the toughest environments.

The Alimak SE-H elevator is designed to deliver on your heaviest lift needs, whatever your industry, power, cement, mining, steel, pulp and paper, marine and offshore, petrochemical, refining and more....

RACK AND PINION BENEFITS

- Ideal for tough environments
- No enclosed hoistway or shaft needed
- Suitable for both indoor and outdoor installation
- Small footprint
- No machine room required
- Few changes required to buildings and structures
- Easy to retrofit on existing buildings or structures
- No lifting height limit
- High capacity
- Accurate levelling at landings
- Safe descent during a power outage
- Durable and easy to maintain.



Increased efficiency, productivity and safety

INNOVATIVE DESIGN, GREAT FLEXIBILITY

Increased efficiency, productivity and safety are just three of the benefits delivered by the new Alimak SE-H range of high capacity goods and passenger elevator solutions from the company that pioneered the rack and pinion drive system back in 1962 to safely and efficiently transport people and materials.

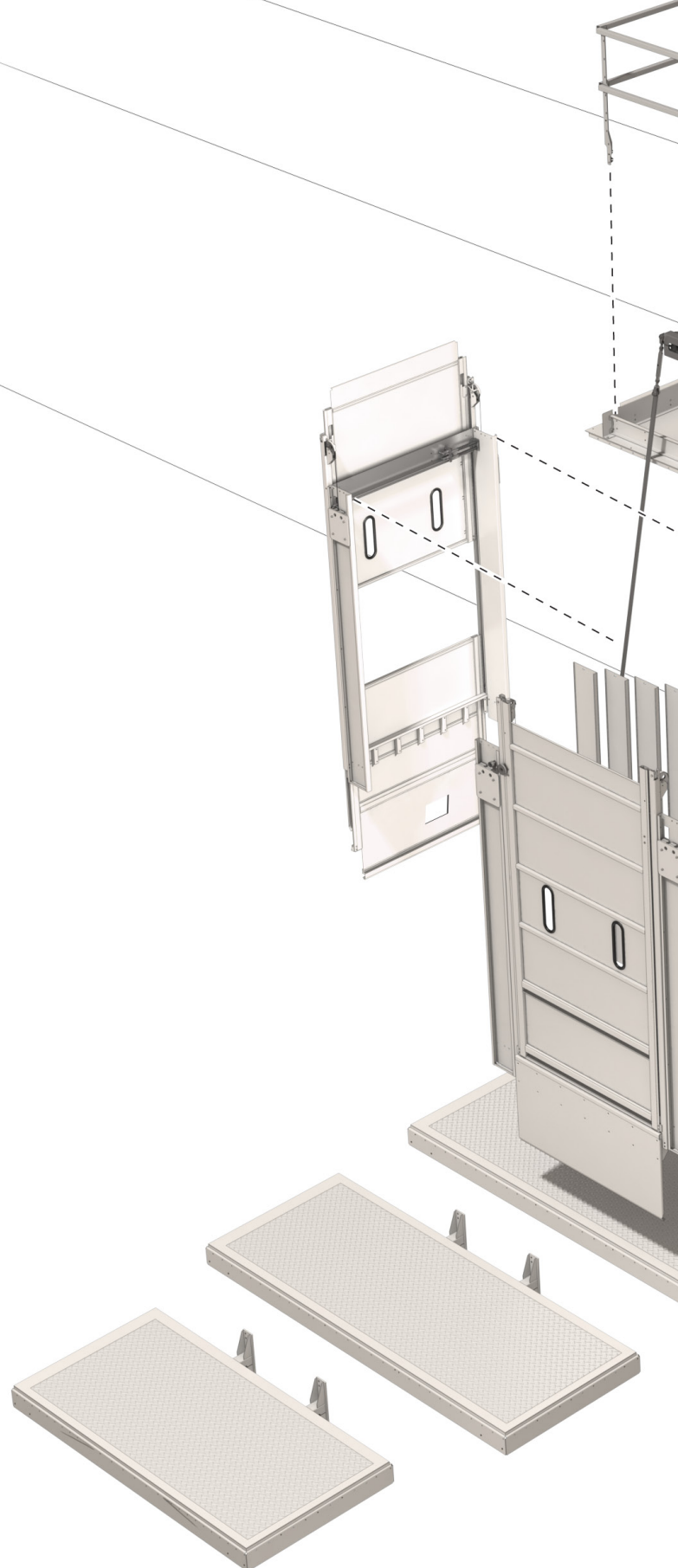
The enhanced efficiency delivered by the Alimak SE-H elevator stems in part from the unique, modular design of the cars. There are several different car sizes within the standard range, all based on a variety of wall panels made of the characteristic Alimak self locking, aluminum profiles, which meet different lift needs, and adaptable floor and roof. A more rigid car design is built on a solid car floor and stiffened beams, which supports greater load capacity on a single mast.

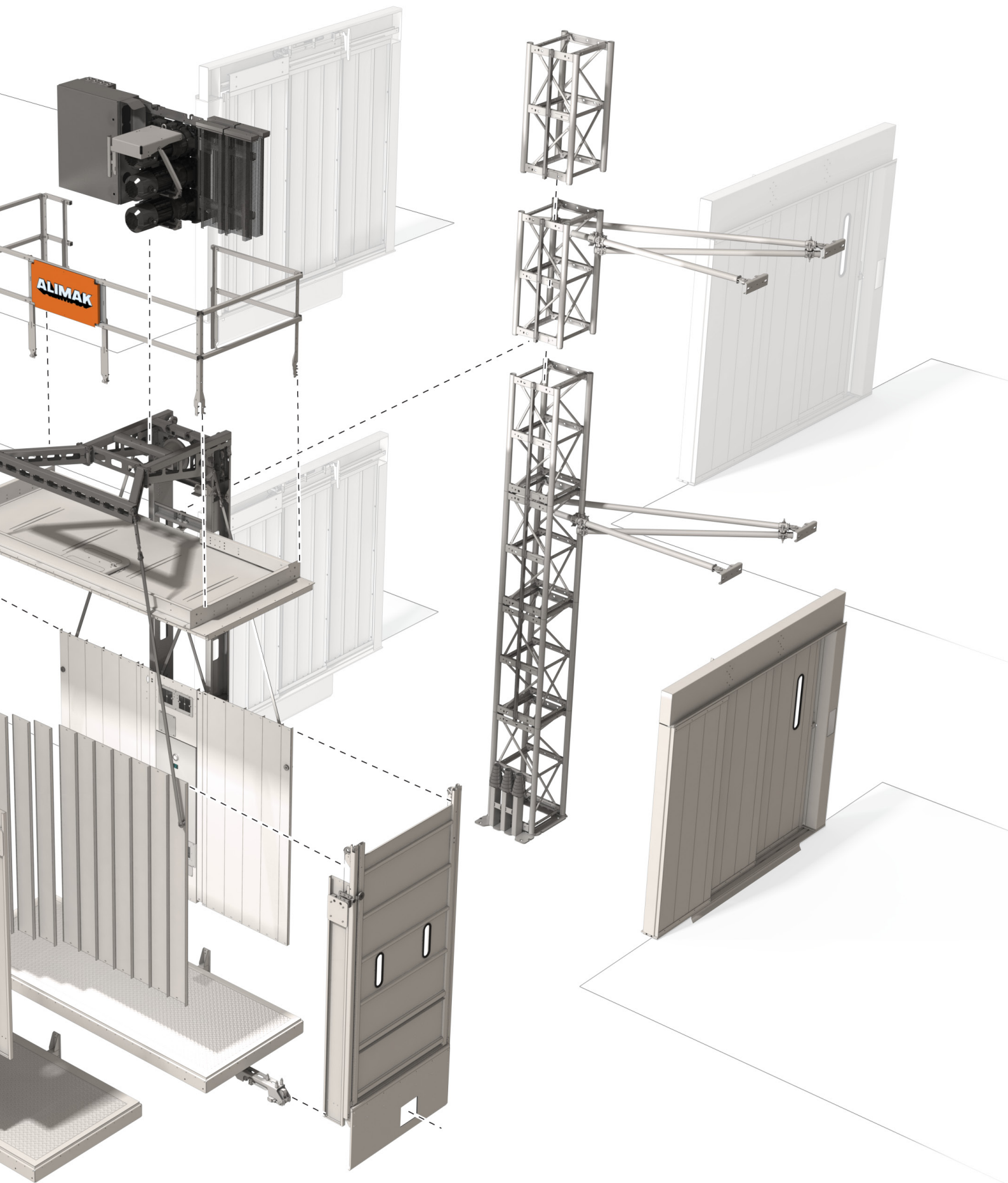
COMPACT, POWERFUL DRIVE UNIT

The compact and powerful drive unit is located on top of the car itself, which means more useable space as there is no need for a separate machine room. The drive comprises three electric drive motors. The frequency control FC drive not only ensures smooth starting and stopping as well as smooth acceleration and deceleration, but also reduces wear and tear on components such as brakes. Stopping accuracy on the Alimak SE-H is a remarkable $\pm 3 \text{ mm}$ ($0.1''$), a levelling accuracy ideal when loading with forklift trucks, for example. The elevator is equipped with a centrifugal brake that allows passengers to be lowered to the landing below in the event of a power failure.

MOST VERSATILE CAR DOORS EVER

Understanding the requirements of customers can vary significantly, we have ensured the design of the latest Alimak SE-H elevator offers a useful variety of doors — one, two or three vertical sliding doors or vertical bi-parting doors. For maximum benefit, the doors can be positioned on any of the three sides of the car away from the vertical mast, are available in two widths (1.56 m and 1.82 m ($5'-1 \frac{3}{8}''$ and $5'-11 \frac{3}{4}''$)) and have a 2.35 m ($7'-8 \frac{1}{2}''$) opening height. Placing the doors on each side of the car ensures a flexible and logical solution to simplify loading and unloading. To ensure maximum versatility, the doors take up no space inside or outside the car when opened, a very real benefit when the elevator is being used to transport bulky materials or when installed in an extremely confined space.





- Great flexibility
- Fully compliant with EU and US regulations

Win-win tangible benefits

- Benefit from a highly useful variety of car sizes within the standard range, varying from the smallest providing 4 m² (44 sq. feet) floor space to the largest elevator car delivering 6 m² (65 sq. feet) floor area
- Leverage a payload capacity of up to 3,300 kg (7275 lbs) on a single mast
- Make full use of the flexible car door solutions that enable larger loads, optimal use of space and more flexible and easier loading
- Exploit the forklift truck loading functionality that means even a forklift or a pallet jack can be transported to different levels
- Plus, save time and money by removing the need for machine rooms and costly shafts
- Fully compliant with all current US and EU regulations.



EASY TO OPERATE

The Alimak SE-H elevator is push button operated from car and landings. The modern collective control system operates in the same way as a conventional elevator up to 64 landings and boasts group control for up to 6 elevators as well as an internal fault diagnostic system. All controls are logically positioned in the car and the car-wall integrated electrical unit is easily accessible for service and maintenance. Optional ventilation units in the wall panels create a user-friendly environment.

REMOTE MONITORING

The Alimak SE-H elevator is fitted with the built-in A³ remote monitoring system as standard. A³ gives you the ability to fully monitor the elevator via a mobile network, the internet or your local network with a ModbusTCP client and trace any faults instantly. The system allows for an improved response time for corrective diagnostics to avoid elevator downtime. A³ is free during warranty period.



SAFETY

The Alimak SE-H goods & passenger elevator incorporates all the safety features that have made Alimak elevators a benchmark for the elevator industry worldwide. The unique progressive Alimak safety device comes into operation should the elevator exceed the rated speed, bringing the car to a smooth stop. The elevator is also fitted with an overload sensing device.

FORKLIFT LOADING

The optional hydraulic locking of elevator car is used when fork lift loading is demanded. The elevator has been designed in such a way that all of the forklifts in the world normally used for this kind of application fit in the car enabling easy transport of trucks between landing levels. The elevators load carrying structure is enhanced by the stiff car floor, which is fully welded of formed steel sheeting for additional strength.



- *Forklift truck loading functionality*
- *Remote monitoring keeps down-time to a minimum*

Technical specifications

MAIN BENEFITS

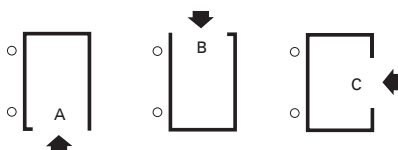
- Designed for harsh environments
- No enclosed hoistway or shaft needed
- Drive machinery located on the car means no machine room is required
- Fully collective control system
- Durable materials: extruded aluminium car wall panels with car support frame and mast sections of hot dip galvanised steel. All stainless steel electrical cabinets and landing control boxes. Optional stainless steel cars
- Wide range of optional equipment and functions delivering you the right equipment for each individual task
- The A³ Remote Monitoring System gives the ability to monitor elevator operations 24/7 and pro-actively trace faults should they arise to avoid downtime.



Max. payload capacity	2,100–3,300 kg (4,630–7,275 lbs)
Loading classifications (ANSI):	Class A, B, C1, C2, (C3)
Traveling speed	0.52 or 0.7 m/s (105 or 140 fpm)
Lifting height	Up to 125* m (410* ft)
Motor control	Frequency Control (FC)
No. of motors	3
Elevator car sizes	9 car sizes available
Internal car width	1.56 m or 1.82 m (5'-1 3/8" or 5'-11 3/4")
Internal car length	2.60 m – 3.90** m (8'-6 1/4" or 12'-9 1/2'**)
Internal car height	2.35 m (7'-8 1/2")
Door opening height	2.35 m (7'-8 1/2")
Power supply range	380–500 V, 50/60 Hz, 3 phase
Type of mast	Square (A-50), tubular steel with integrated rack
Length mast section	1.508 m (4'-11 3/8")

* Increased lifting height on request. ** Max. 3.12 m (10'-6 3/8") car length on 1.82 m (5'-11 3/4") elevator cars.

Car door configurations (A, B and C, or any other combination)



For other demands or specifications, please consult your Alimak representative.