



## INDUSTRIAL ELEVATORS

PRODUCT GUIDE

# ALIMAK SETM & SE-ExTM

Access anytime, anywhere

**ALIMAK**

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## Goods and passenger elevator series with high capacity

The high capacity Alimak SETM & SE-ExTM goods and passenger elevator series fits in all kinds of industrial applications and are built to last in the most extreme environments. Alimak SETM elevators are designed to transport materials weighing up to seven tonnes when required, and available for both safe areas as well as hazardous areas.

### BENEFITS AT A GLANCE

- Benefit from a highly useful variety of large elevator car sizes, varying from the smallest providing 4.7 m<sup>2</sup> (50 sq. feet) floor space to the largest car delivering 11.9 m<sup>2</sup> (128 sq. feet) floor area
- Leverage a payload capacity of up to 7,000 kg (15,400 lb)
- Designed for harsh environments
- Explosion protected option
- 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

### ELEVATOR DESIGN

The enhanced efficiency delivered by the Alimak SETM & SE-ExTM goods and passenger elevator series stems in part from the unique modular design of the elevator cars that provides a large number of different car sizes with floor spaces up to 11.9 m<sup>2</sup> (128 sq. feet). Made of extruded anodized saltwater-proof aluminum and hot dipped galvanized steel, the Alimak SETM elevator car is built to last in the most extreme environments. The elevator has been designed with two mast towers to carry the large elevator car and a sync axis, ensuring that the car always travels straight. Alimak SETM elevator series are push button operated from car and landings and has a modern collective control system with internal fault diagnostics.

### COMPACT, POWERFUL DRIVE UNITS

Two compact and powerful drive units are located on top of the car itself, which means more useable space as there is no need for a separate machine room. Each drive comprises of four or six electric drive motors with frequency control (FC). The FC drive not only ensures smooth acceleration and deceleration, but also reduces wear and tear on elevator components such as brakes.

### SAFETY

The SETM goods and passenger elevator series 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 and a centrifugal brake that allows passengers to be lowered to the landing below in the event of a power failure.

### FORKLIFT TRUCK LOADING

The optional car to landing lock device is used when forklift 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 forklifts between landing levels. The load carrying structure is enhanced by the stiff car floor, which is welded of formed steel sheeting for additional strength.



- High capacity: 2,500–7,000 kg (5,500–15,400 lb)
- Forklift truck loading functionality



*The large elevator car design, with landing doors in bi-folding design, allows large goods to be loaded easily with any forklift truck. An automatic lock device ensures the elevator car is kept in the proper location at each landing while heavy goods are loaded into the car.*

## Technical specifications

### MAIN BENEFITS

- Modular design delivering you a wide range of car sizes and capacities
- Drive machinery located on the car means no costly machine room is required
- Fully collective lift 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
- Remote Monitoring System – The online A<sup>3</sup> remote control can also be added to monitor lift operations 24/7 and pro-actively trace faults should they arise to avoid downtime.

### ELEVATOR CAR CONFIGURATION EXAMPLES (M)

	2.60	2.86	3.12	3.38	3.64	3.90	4.16
1.82							
2.08							
2.34							
2.60							
2.86							

Car width and length can be extended in steps of 65 mm, 130 mm or 260 mm.

	ALIMAK SETM	ALIMAK SE-ExTM
Max. payload capacity:	3,200–7,000* kg (7,250–15,400* lb)	2,500–6,000* kg (5,500–13,200* lb)
Loading classifications (ANSI):	Class A, B, C1, C2, (C3)	Class A, B, C1, C2, (C3)
Travelling speed:	0.5 m/s (105 fpm)	0.5 m/s (105 fpm)
Lifting height:	Up to 70 m (230 ft) **	Up to 70 m (230 ft) **
Motor control:	Frequency Control	Frequency Control
No. of motors:	2x2 or 2x3	2x2 or 2x3
Internal car width (W):	1.82 m – 2.86 m (5'-11 2/8" – 9'-4 2/8") ***	1.82 m – 2.86 m (5'-11 2/8" – 9'-4 2/8") ***
Internal car length (L):	2.60 m – 4.16 m (8'-6 1/4" – 13'-7 2/8") ***	2.60 m – 4.16 m (8'-6 1/4" – 13'-7 2/8") ***
Internal car height:	2.35 m or 2.50 m (7'-8 1/2" or 8'-2 1/2")	2.35 m or 2.50 m (7'-8 1/2" or 8'-2 1/2")
Door opening height:	2.35 m or 2.50 m (7'-8 1/2" or 8'-2 1/2")	2.35 m or 2.50 m (7'-8 1/2" or 8'-2 1/2")
Power supply range:	380–500 V, 50/60 Hz, 3 phase	380–500 V, 50/60 Hz, 3 phase
Type of mast:	Square (A-50), or rectangular (FE), tubular steel with integrated rack	Square (A-50), or rectangular (FE), tubular steel with integrated rack
Length mast section:	1.508 m (4'-11 3/8")	1.508 m (4'-11 3/8")
Protection class (ATEX):	None (Safe area)	Zone 2, Gas group IIB, Temp. class T3
Protection class (NEC):	None (Safe area)	Class 1 Division 2, Gas group C or D, Temp. class T1–T3 (T4)
Dust, NEC	None (Safe area)	Class 2, Division 2, Dust group F and G

\* Max. payload capacity with FE-mast is 4,500 kg (9,900 lb) \*\* Increased lifting height on request. \*\*\* Car and door size can be extended further depending on payload, width/length and loading classification. Max. car area on SE-ExTM is 8.9 m<sup>2</sup> (95.8 ft<sup>2</sup>). For other demands or specifications, please consult Alimak.