
INDUSTRIAL ELEVATOR

PRODUCT GUIDE

# ALIMAK SC 65-EX

Access anytime, anywhere

ALIMAK

Authorized Distributor

شركة الوسام للتجارة ذ.م.م.
AL WISAM TRADING CO. L.L.C.
☎ : (+971 6) 539 03 83
✉ : awtc@alwisamllc.com
: (+971 6) 539 03 84
: www.alwisamllc.com
: 81933, Sharjah - U.A.E.

20210403

# Explosion proof passenger and freight elevators for hazardous areas

**Built on the experience gained from thousands of installations worldwide the new explosion proof elevator Alimak SC 65-Ex is designed to deliver on your vertical access requirements in hazardous environments.The latest elevator sets a new benchmark for efficient vertical transportation of personnel and materials on oil refineries, natural gas processing plants, petrochemical plants, LNG storage tanks and other similar industrial environments.**

### NEW DESIGN

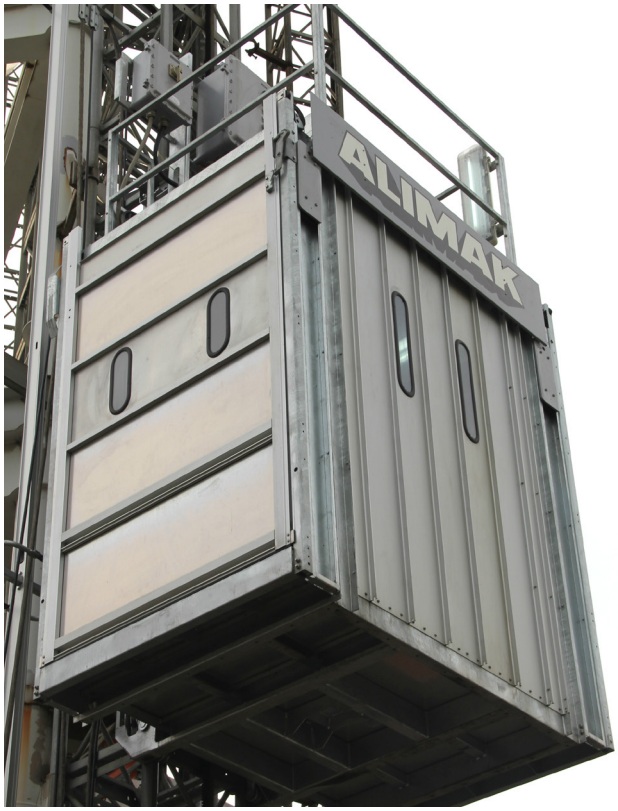
Increased efficiency, productivity and safety are just some of the benefits delivered by the new explosion proof elevator Alimak SC 65-Ex from the company that pioneered the rack and pinion drive system back in 1962 to safely and efficiently transport people and materials.

### SAFETY AND RELIABILITY

The mechanical interlocking door system and explosion proof design guarantees the highest safety standards. With a robust design the rigid elevator car is built on a high strength solid car frame and stiffened beams, which support a heavy load capacity on a single mast.

### EASY TO OPERATE

Alimak SC 65-Ex elevator is push button operated from the car and landings. Depending on the frequency of use, the application and the number of landings, you can choose either a single or semiautomatic control system. All controls are logically positioned in the car which is easily accessible for servicing and maintenance.




## IDEAL FOR RETROFITTING

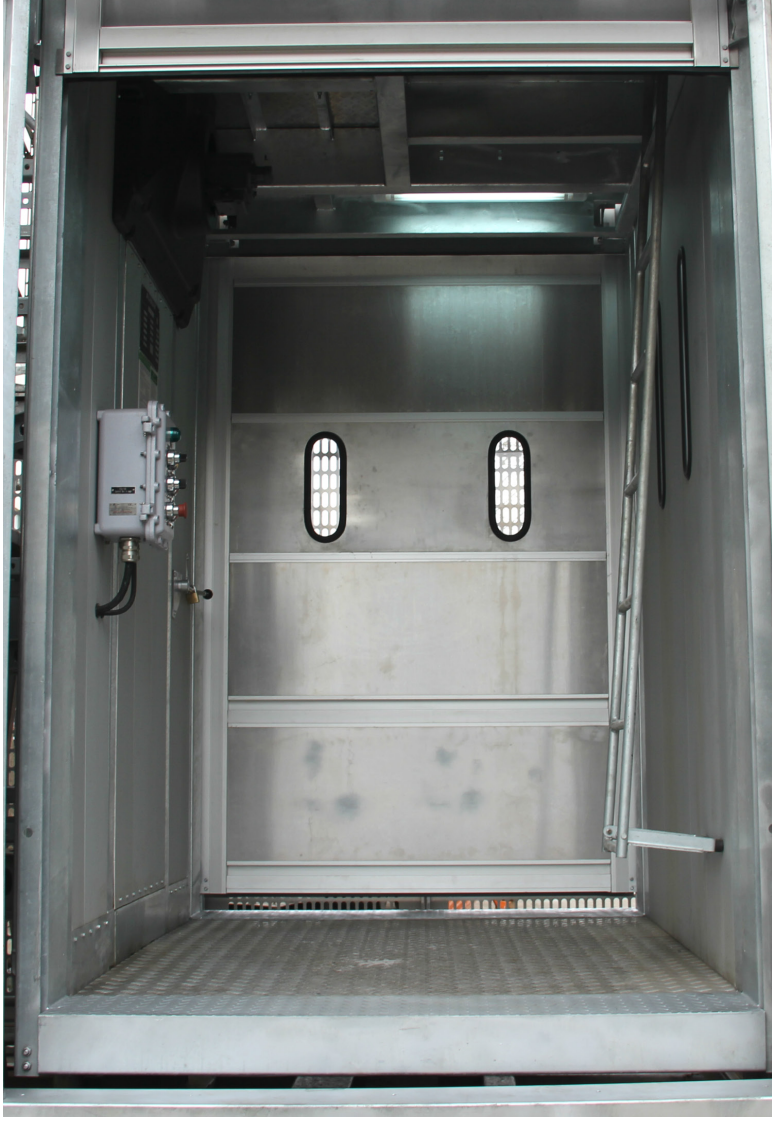
Because the Alimak SC 65-Ex can easily be installed on any structure the elevator is ideal for refrofitting on existing plants that are undergoing an upgrade, or retrofitted in other hazardous industrial environments. Alimak has actively been involved in a wide range of modernization projects across the globe.

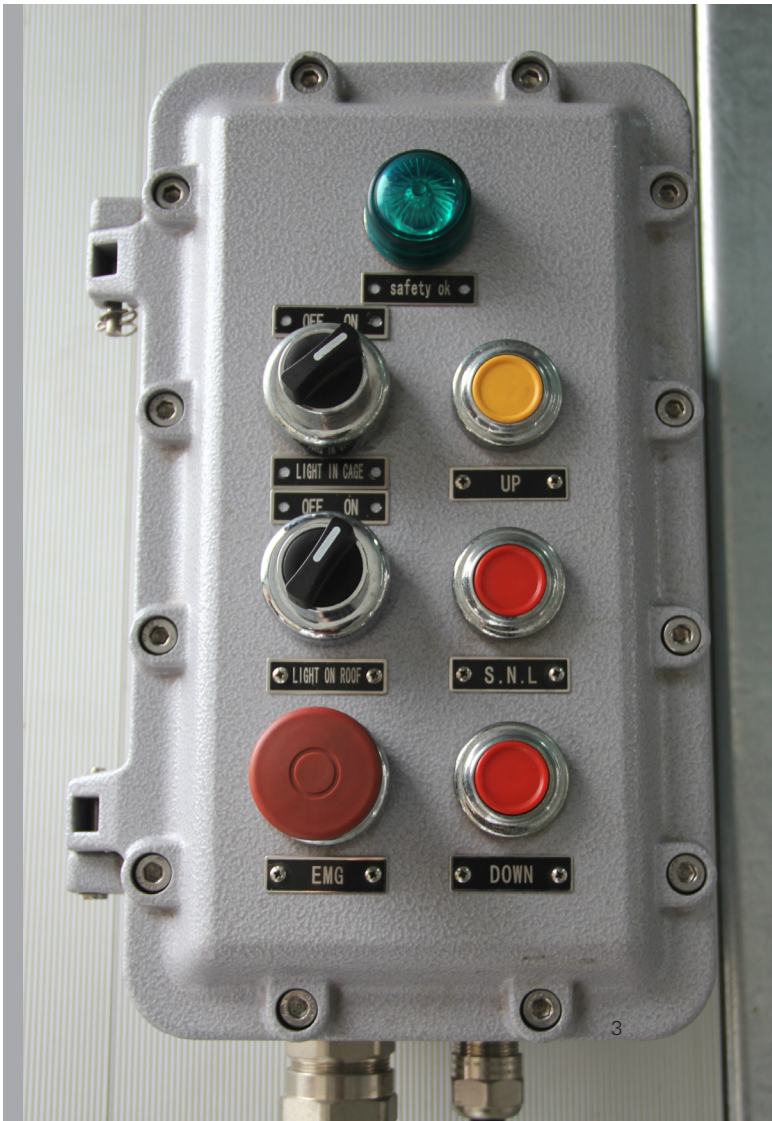
## RACK AND PINION OFFERS GREAT ADVANTAGES

The Alimak SC 65-Ex 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.

## OVER 40 YEARS' EXPERIENCE

Our extensive expertise in providing explosion proof elevators delivers real benefits to the industry. We have built up over 40 years' experience in explosion proof applications since delivering our first elevator in 1975. That elevator reached a lifting height of 40m, operating in an hazardous area zone 2. Outstanding quality and design of our products is demonstrated by the fact that many of our elevators remain in operation after 25 years of service.



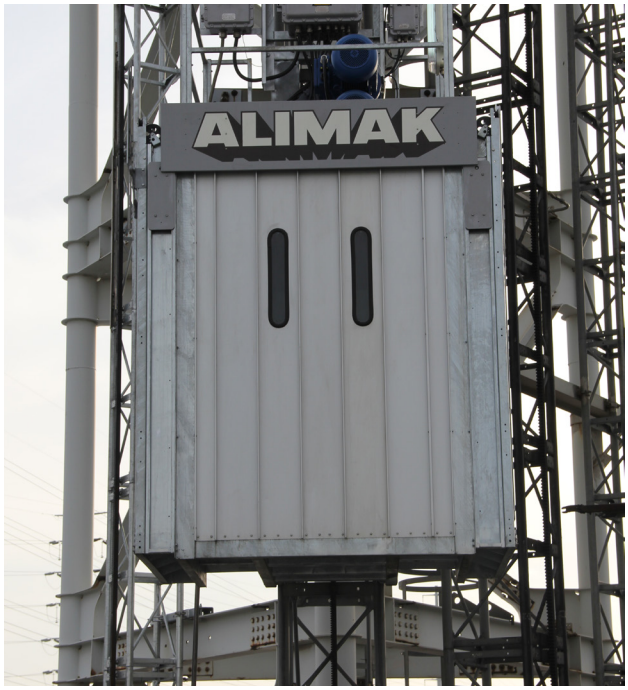


# ALIMAK SC 65-EX

## Technical specifications

### KEY BENEFITS

- Explosion proof for hazardous environments
- No shaft is required
- No costly machine room is required
- Indoor and outdoor installation
- Simple operation and ease of use
- Durable materials: Extruded aluminum car wall panels with car support frame and mast sections of hot dip galvanized steel
- Ideal for retrofitting
- Over 40 years' experience in Ex environments




| | |
|---|---|
| Max. payload capacity | 2,000 kg (4,413 lbs) or 20 persons |
| Lifting height | 100 m (328 ft) |
| Travelling speed | 0.6 m/s (121 ft/min) (60Hz); 0.5 m/s (102 ft/min) (50Hz) |
| Motor control | Direct-on-line (DOL) |
| No. of motors | 2 |
| Internal car width | 1.5 m (5') |
| Internal car length | 2.2 m (7'3'') |
| Internal car height | 2.3 m (7'7'') |
| Door opening height | 2.0 m (6'7'') |
| Power supply range | 380 - 480 V, 50 or 60 Hz, 3 phase |
| Type of mast | Square (A-50), tubular steel with integrated rack |
| Length of mast section | 1.508 m (4'11'') |
| Control system | RELAY DOL SNL |
| Regulations | ATEX |
| Protection class | Zone 2<br>Gas group IIB<br>Temp. class T3 |

* Control system option: ALC-II DOL SNL / ALC-II DOL COLLECTIVE

**www.alimak.com**



1551 EN/August 2020