American Service Group
Rack & Pinion Elevators
His Company ✝ Matthew 19:26

ALIMAK SE-EX
Industrial Elevator
(877) 689-0805

SPECIFICATIONS

Technical Data Overview

Max. payload capacity, FC	1,200–2,500 kg
Max. payload capacity, DOL	450–1,200 kg
Loading classifications (ANSI)	Class A, B, (C3 optional)
Travelling speed, FC	0.5–0.7 m/s
Travelling speed, DOL	0.4–0.6 m/s
Max. lifting height	80 m (increased lifting height on request)
Motor control	Frequency control (FC) or Direct-on-line (DOL)
No. of motors	1–3
Elevator car sizes	18 car sizes available, min. 0.91 x 1.30 m, max. 1.30 x 2.73 m or 1.56 x 2.21 m
Power supply range	380–480 V, 50 or 60 Hz, 3 phase
Fuse ratings	35 A, 63 A or 100 A
Type of mast	Rectangular (FE) or square (A50), tubular steel with integrated rack
Length mast section	1.508 m
Regulations	ATEX or NEC
Protection class ATEX	Zone 1* or 2, Gas group I, IIA or IIB, Temp. class T1–T3 (T4)
Protection class NEC	Class 1 Division 2, Gas group C or D, Temp. class T1–T3 (T4)
Dust, NEC	Class 2, Division 2, Dust group F

** Zone 1 up to 1,600 kg payload capacity.*

Key Benefits

- No shaft is required – weight savings of up to 43,000 kg compared to other systems
- Modular design delivering a wide range of car sizes and capacities
- Fully compliant with ATEX and EN-13463 as well as ANSI 17.1 and NEC codes. Witness tested by third party
- Two individual elevators can operate on one single mast column for greater operational flexibility
- Drive machinery located on the car means no costly machine room is required
- Fully collective elevator control system
- Durable materials: extruded aluminium car wall panels with car support frame and mast sections of hot dip galvanized steel. All stainless steel electrical cabinets and landing control boxes. Optional stainless steel cars are available
- Wide range of optional equipment and functions delivering you the right equipment for each individual task
- Remote Monitoring System – The online A3 remote control can also be added to monitor elevator operations 24/7 and pro-actively trace faults should they arise to avoid downtime.

Present on six continents, our sales, service and rental companies support customers with a broad spectrum of unmatched on demand products and services.

Overview

Explosion Proof, Passenger and Freight Industrial Elevator for Hazardous Areas

Built on the experience gained from thousands of installations worldwide, the new Explosion proof elevator ALIMAK SE-Ex is designed to deliver on your access requirements for heavy transport needs in hazardous environments. The ALIMAK SE-Ex sets a new benchmark for the safer, efficient vertical transportation of personnel and materials on derricks, hull columns, platform modules, oil refineries, LNG terminals, chemical plants and other similar industrial environments.

Remote monitoring

The well proven Alimak Lift Control system ALC-II ensures both efficiency and ease of use. As an added bonus, Alimak Heks' online A3 remote monitoring system can be fitted as an accessory. This gives the ability to fully monitor the elevator and trace any faults instantly from remote locations. This enhancement to our standard control system can speed up corrective diagnostics and minimize downtime.

New Design, New Flexibility

Increased efficiency, productivity and safety are just three of the benefits delivered by the new Explosion proof elevator ALIMAK SE-Ex range of freight 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-Ex stems in part from the unique modular design of the cars that provide many different car sizes within the standard range. All elevators are based on a variety of wall panels made of the characteristic Alimak self locking, aluminum profiles. These wall panels meet different elevator needs, and create adaptable floor and roof configurations. A more rigid car design is built on a solid car floor and stiffened beams, which supports greater load capacity on a single mast.