



INDUSTRIAL ELEVATORS

PRODUCT GUIDE

ALIMAK SL-Ex

Access anytime, anywhere

ALIMAK

Passenger and freight elevator for hazardous areas

Built on experience gained from thousands of installations worldwide, the latest Alimak SL-Ex rack and pinion elevator is designed for installation in hazardous environments with tough operating conditions. The SL-Ex elevator, enables customers to access, monitor and service key processes in their plants, increasing operational safety, efficiency and uptime for their facilities.

WHY CHOOSE AN ALIMAK SL-Ex ELEVATOR?



Machine room and shaft not required

No need for a machine room or a supporting elevator shaft, reducing building requirements and ongoing structural maintenance.



Low total cost of ownership

An Alimak elevator maximises operational efficiency, reduces plant maintenance costs and increases health and safety performance.



Durable and robust industrial design

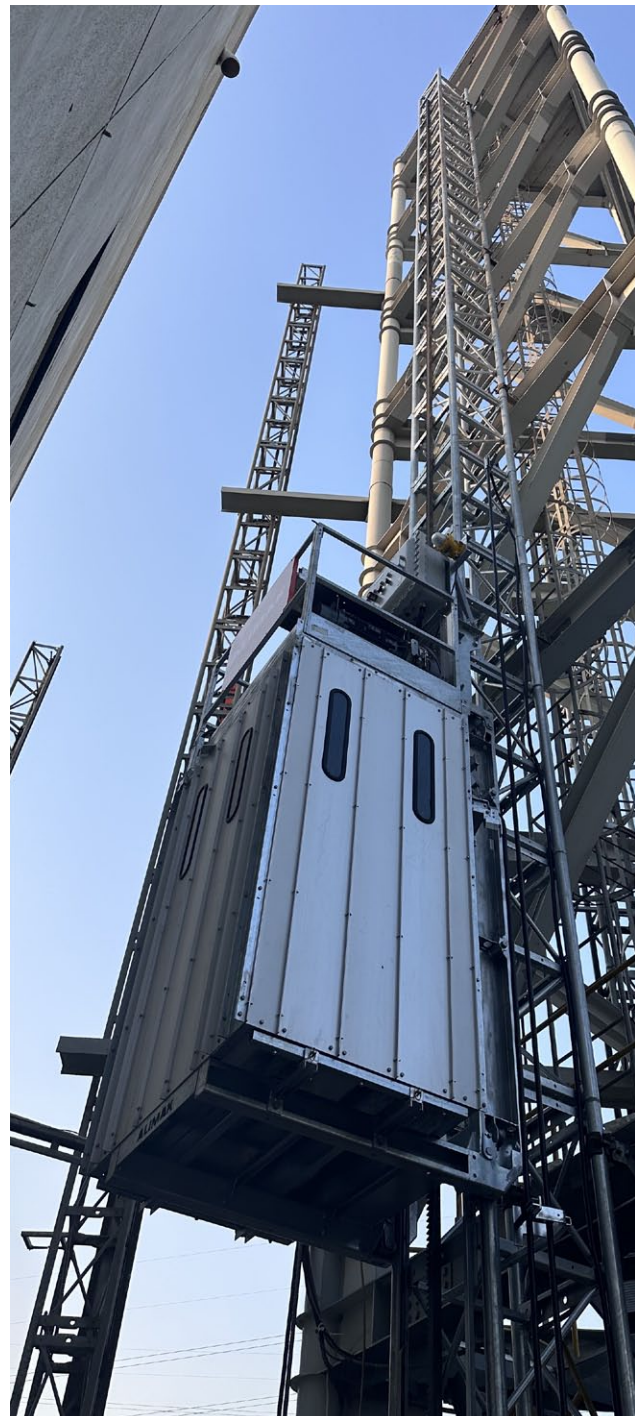
Like all Alimak products, the robust and durable design of the SL-Ex is engineered for tough operational and environmental working conditions.



Easy to retrofit

Thanks to the rack and pinion drive technology, SL-Ex elevators are easy to retrofit to existing structures.

- Built to perform in hazardous environments
- Enhances operational safety & efficiency and reduces maintenance costs



Mast tower

No shaft required.

Hot dip galvanized high grade steel

Mast ties

For attachment of mast tower to structure

Car door

Heavy-duty design, extruded aluminium

Car frame

Heavy-duty design. Hot dip galvanized steel

Drive machinery

No separate machine room is required.

Robust, high efficiency drive system located on top of car.

Car walls

Aluminum panels with windows

Floor

Galvanized diamond plate

Rack

Black painted steel.

M8 design provides high transmitting capacity

Electrical components

Electrical cabinets of stainless steel, IP65

Control system

Single automatic control system

Landing enclosure

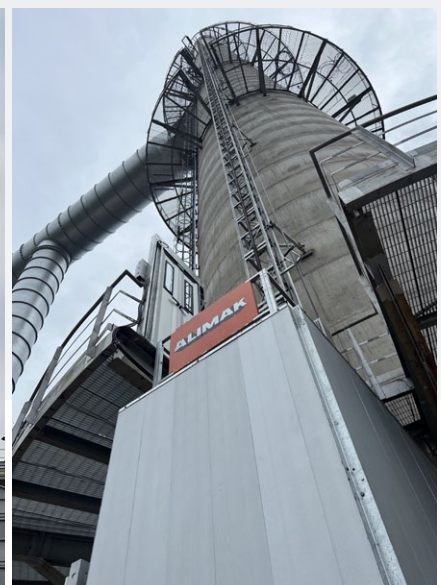
Aluminum panels,
hot dip galvanized steel corners

Landing doors

Aluminum double leaf swing door

Pit

Raised pit enclosure with access stairs



Technical specifications

MAIN CHARACTERISTICS

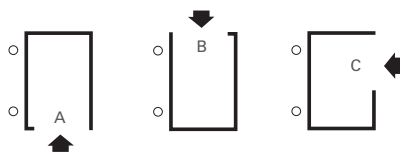
- Designed for harsh environments
- No enclosed hoistway or shaft needed
- Drive machinery located on the car, means no machine room is required
- Single automatic elevator control system
- Doors on one or two sides of the car possible
- Car and landing doors with mechanical and electrical interlocking
- Safety features including safety device, door interlockings, emergency lowering system, overload protection
- Only durable materials suitable for external industrial environments are used, including anodized aluminium, galvanized steel and stainless steel
- Building Information Modelling (BIM) object files allow you to compare and select the most suitable lifting option for your needs



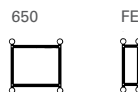
ALIMAK	SL 800 Ex	SL 1600 Ex
Payload capacity	800 kg	1,600 kg
Travelling speed, max.	0.6 m/s	0.6 m/s
Lifting height, max.	150 m *	150 m *
Motors	1 x 15 kW Direct-on-line (DOL)	2 x 15 kW Direct-on-line (DOL)
Elevator car width, internal	1.04 m	1.30 m
Elevator car length, internal	1.43 / 1.69 m	1.69 / 2.47 m
Elevator car height, internal	2.17 m	2.17 m
Door opening height	2.01 m	2.01 m
Power supply range	380–480 V, 50 or 60 Hz, 3 phase	380–480 V, 50 or 60 Hz, 3 phase
Type of mast	650/FE, tubular steel with integrated rack	650/FE, tubular steel with integrated rack
Length mast section	1.508 m	1.508 m
Regulations	ATEX	ATEX
Protection class	Zone 2, Gas group IIB, Temp. class T3	Zone 2, Gas group IIB, Temp. class T3

* Increased lifting height on request

Car door configurations (A, B or C, or A and B)



Type of mast



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