



INDUSTRIAL ELEVATORS

PRODUCT GUIDE

ALIMAK TR-H & TR-H Ex

Access anytime, anywhere

ALIMAK



- Built to perform in the world's harshest environments
- Improved operational efficiency, superior HSE performance and reduced maintenance costs

ALIMAK TR-H & TR-H Ex

Peace of mind in the world's harshest environments

Alimak is the name you can trust for reliable, productive, and economical vertical access solutions. Our offering is comprised of industrial elevators based on traction as well as rack and pinion technologies, and a wide range of after sales services. We have a long track record of successfully carrying out projects for EPC companies and end users.

A PIONEER AND GLOBAL LEADER IN INDUSTRIAL ELEVATORS

Alimak is the pioneer and global leader in supplying elevators based on the rack and pinion drive technology. An installed base of over 23,000 units across a broad spectrum of industries around the world, has given us a unique and extensive engineering knowledge. It is this pedigree that ensures our range of heavy duty industrial traction elevators are uniquely suited to these tough environments

Alimak elevators demonstrate their ability to withstand the toughest challenges, providing reliable access, anytime and anywhere needed, from factories and warehouses to power plants, mines, cement plants, and oil and gas applications.

EXPERIENCE IN HAZARDOUS ENVIRONMENTS

Our extensive expertise in providing explosion protected elevators delivers real benefits in hazardous areas in industries such as offshore platforms, oil refineries, chemical plants, LNG terminals and grain facilities. We supplied our first Ex elevator in 1975 to the Kuwait National Petroleum C.O. company. Since then a large number of Ex elevators have been delivered.

EPC PROJECTS AND SPECIAL DEMAND PROJECTS

We have a long track record of successfully carrying out projects for EPC companies and end users with special demands on products and production. A group of project managers within our sales organization handle these projects to ensure customer requirements are fulfilled.

HIGH HEALTH AND SAFETY PERFORMANCE

With our elevators you can have peace of mind on health and safety through the life of your investment. We offer superior health and safety performance. Alimak TR-H & TR-H Ex traction elevators incorporates all the safety features that have made Alimak elevators a benchmark for industrial elevators.



Meeting just about every imaginable access need

WIDE RANGE OF CAR SIZES AND CAPACITIES

The modular design of the two traction elevator series AlimakTR-H & TR-H Ex provide several different car sizes within the standard range — meeting just about every imaginable transport need from 450 kg to 5,000 kg (660—11,020 lbs) for both non-hazardous and Ex environments. Additional sizes and specifications can be provided on request.

ROBUST DESIGN

The elevator car is made from durable materials including stainless steel, magnelis or painted steel with bumper rails and diamond plate flooring together with other options. Elevator doors can be manual or heavy-duty automatic with fire rated doors as option. Robust industrial design gives the elevator the ability to handle your toughest working environments.

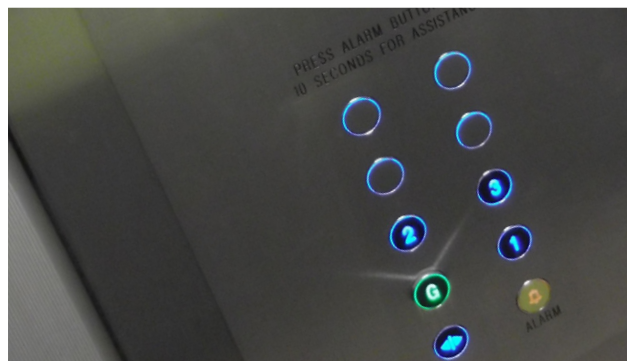
REMOTE MONITORING

The AlimakTR-H elevator is fitted with the built-in A³ remote monitoring system as standard and can be added on as an accessory for our AlimakTR-H Ex elevators. 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.

CODES AND REGULATIONS

AlimakTR-H elevator series complies with European Lift Directive 95/16/EC, EN 81-20/50 with additional local and project specific regulations on request.

AlimakTR-H Ex elevator series complies with European Lift Directive 95/16/EC, EN 81-20/50, ATEX regulations — offering protection in Zone 2, Gas group IIB and Temperature class T1—T3, with additional local and project specific regulations on request. See performance bond as a guarantee.



Drive system —
*Robust drive system,
Ex as standard option*

Car —
*Robust elevator car,
several sizes*

Doors —
*Heavy-duty automatic
or manual design*

Floor —
Galvanized diamond plate

Hoistway —

Landing doors —
*Heavy-duty automatic
or manual design*

Cables —

Counter weight —

Control
*Selective collective and
several other options*



We offer both traction and rack & pinion elevators



COMPREHENSIVE PRODUCT PORTFOLIO

Alimak offers the combination of both traction and rack and pinion elevator technologies. This will ensure our engineers give the best advice for you to choose the perfect elevator technology for your application. We offer one of the world's most comprehensive industrial elevator product portfolios with a wide range of car sizes and capacities for both non-hazardous and Ex environments. We offer elevators with surface treatment corrosion classification up to C5 and ingress protection rating up to IP54 for the toughest environments on the planet.

Our in-house engineering department has vast experience based on the installation of over 23,000 elevator solutions, many off-standard, still based on our modular standard program. The development and production of all Alimak products are subject to a strict quality assurance management.

DELIVERING ON COMMITMENT

Alimak is your most reliable partner for industrial elevator products. We are structured and have the depth of experience to support what you want — a project delivered on time, on budget, as specified. Our design, manufacturing, and project management and installation teams work within a refined process to assure accurate scope, on time delivery, and an installation coordinated into your (sometimes changing) construction schedules.

GLOBAL AFTER SALES SUPPORT

Our installation teams are fully trained and competent to provide professional installations at high demand projects all over the world. Coupled with a regular regime of service and maintenance, we will strive to provide you with trouble free operation during the life of your equipment. Our global service and support network allows your traction and rack and pinion elevators to be maintained during the same site visit. The modular concept of our after sales and service maintenance offering, allows you to create your own tailor-made plan. This gives the support and coverage you need both financially and technically, to provide "peace of mind" during the lifetime of your equipment!



- Unparalleled track record in reliability
- Comprehensive project management



ty, safety and durability

nt, design and installation services – for EPC contractors and End users

Technical specifications

MAIN BENEFITS

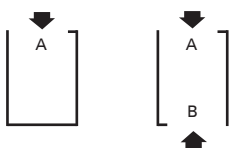
- Rugged design, for tough environmental conditions
- Wide range of car sizes and capacities
- Indoor or outdoor installations
- Explosion proof as standard option across range
- Ingress protection rating up to IP54
- Remote monitoring system *
- Robust manual or automatic doors
- Surface treatment: corrosion classification up to C5
- Extensive documentation for materials, welding and testing
- Wide range of optional equipment and functions



	ALIMAK TR-H	ALIMAK TR-H Ex
Capacity	450 kg – 5,000 kg (990 – 11,020 lbs)	450 kg – 5,000 kg (990 – 11,020 lbs)
Speed	1.0 m/s (196 fpm) **	1.0 m/s (196 fpm) **
Travel height, max.	40 m (130 ft) **	40 m (130 ft) **
Car width, internal	1.04 m – 2.86 m (3'-4" – 9'-4 1/2")	1.04 m – 2.86 m (3'-4" – 9'-4 1/2")
Car length, internal	1.17 m – 3.12 m (3'-10" – 10'-2 1/2")	1.17 m – 3.12 m (3'-10" – 10'-2 1/2")
Car height, internal	2.1 m – 2.4 m (6'-10 5/8" – 7'-10 1/2")	2.1 m – 2.4 m (6'-10 5/8" – 7'-10 1/2")
Door opening width	0.67 m – 2.83 m (2'-2 1/2" – 9'-3 1/2")	0.67 m – 2.83 m (2'-2 1/2" – 9'-3 1/2")
Door opening height	2.0 m – 2.35 m (6'-6 2/3" – 7'-8 1/2")	2.0 m – 2.35 m (6'-6 2/3" – 7'-8 1/2")
No. of landings	2–16	2–16
Control system	Selective collective	Selective collective
Motor control	Frequency Control (FC)	Frequency Control (FC)
Power supply range	380–690 V, 50 or 60 Hz, 3 phase	380–690 V, 50 or 60 Hz, 3 phase
Operating temperature range	+5°C to +40°C	+5°C to +40°C
Regulations	EN 81-20/50	EN 81-20/50
Protection class	None (Safe area)	ATEX Zone 2 Gas group IIB Temp. class T1–T3

* Option on ALIMAKTR-H Ex ** Increased speed and travel height on request.

Car door configurations (A or A and B)



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

www.alimak.com

