



CONSTRUCTION HOIST

PRODUCT GUIDE

ALIMAK SC 65/32

Access anytime, anywhere

ALIMAK

An economic, high-efficiency construction hoist

The Alimak SC 65/32 is designed for passenger and materials transport. The Alimak SC 65/32 offers, efficiency, safety, reduced energy consumption and low operating costs, making it the ideal hoist solution for construction and rental companies.

A modern microprocessor hoist control system with stop-next-landing control allows for simple operation and ease of use. The Alimak SC 65/32 runs on the Alimak 650 mast, improving utilization of machine accessories; while a hoist capacity of 2,000 kg offers increased transport capacity at a low cost. With a larger hoist car, higher speeds and increased lifting heights, the Alimak SC 65/32 is the perfect hoist solution for high-demand and high-rise construction.

MAIN CHARACTERISTICS

Safety

Fitted with a safety device, overload sensor, and mechanical interlocking door system to guarantee the highest safety standards.

Reliability

High strength steel extends equipment life and reduces dead weight; With a robust design, based on proven Alimak technology, the Alimak SC 65/32 is a reliable hoist solution that delivers when you need it to.

Efficiency

A high-efficiency helical gearbox affords (30%) lower power consumption and operating costs, compared to competitor hoist products. Built-in electrical cabinet maximises internal hoist dimensions for increased lifting capacity.

Ergonomic Design

Superior operator comfort with a robust design for equipment durability; a choice of door and ramp options ensure maximum usability; easy to use stop-next-landing control system allows for simple operation; LED-light in cage for maximum usability and operator comfort; optional installation crane and single or dual cage available.



Economical

Low cost of ownership for construction and rental companies through durability, accessibility and easy installation and dismantling.

Smooth Operation

Frequency control provides smooth starting and stopping with a low starting current and less wear and tear.

Robust Design

A robust car design with a choice of door and ramp options ensure maximum usability and extended equipment life.

Proven Technology

An easy-to-use control system, based on proven Alimak technology, allows for simple operation and ease of use.



Quality, energy-efficiency and low-cost ownership

RACK AND PINION

Alimak is the global leader in rack and pinion drive technology, with more than 50 years' experience in the innovation of high-quality rack and pinion products designed to meet client requirements. The Alimak SC 65/32 is engineered and manufactured to Alimak's exacting standards, delivering reliability, energy efficiency and durability in even the toughest working conditions.

FLEXIBILITY OF DESIGN

The Alimak SC 65/32 offers flexibility of design, with three available door options: a vertical door, bi-folding door or vertical door with load ramp. The load ramp allows for quick and easy loading of materials, and requires no special landing bridges.

ENERGY-EFFICIENT DRIVE UNIT

A high-efficiency helical gearbox provides lower power consumption and reduced operational costs.

VARIABLE FREQUENCY CONTROL

Variable Frequency Control (FC) provides smooth starting and stopping, with a low starting current, less wear and tear and improved landing accuracy. A range of voltage options are available to suit any client power requirement.

EXTENDED EQUIPMENT LIFE

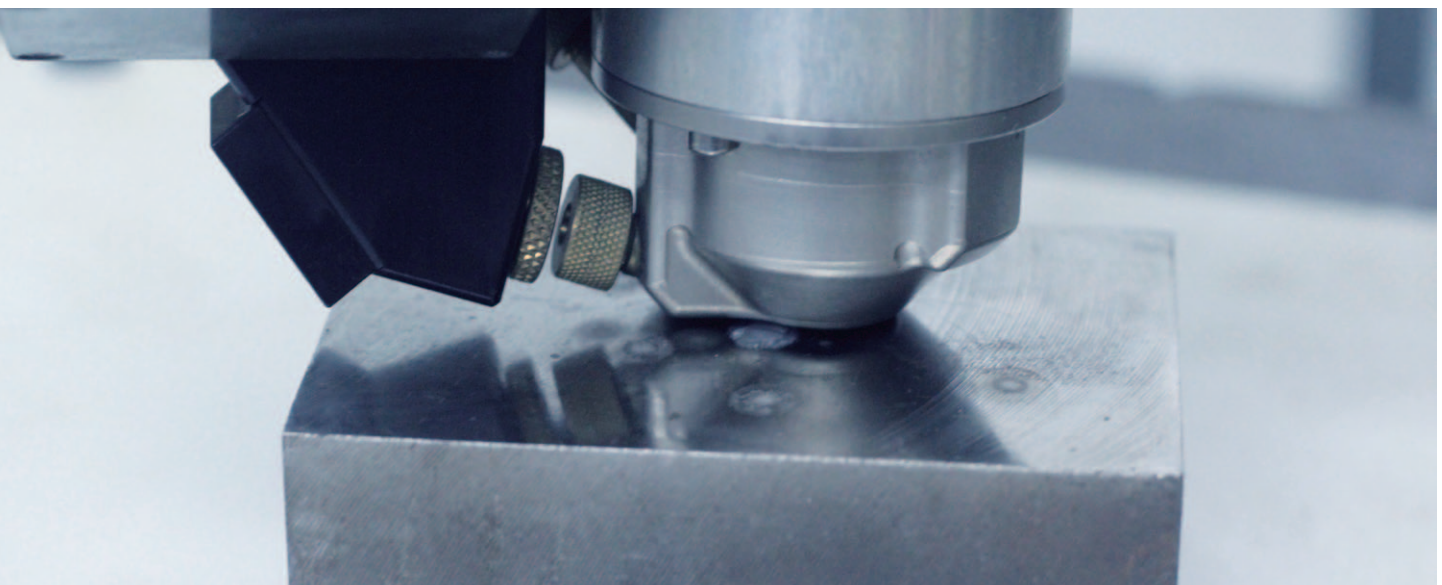
The Alimak SC 65/32 uses lighter and stronger galvanized steel mast sections and tie-ins. A centrally located rack balances the force between mast pipes and guide rollers, ensuring even equipment wear and extending operational life.

REDUCED POWER CONSUMPTION

New design and materials provide stronger, lighter and more compact cage design for reduced power consumption. A fixed cage frame and welded cage walls lengthen machine service life, while reducing noise and vibrations.

EASY INSTALLATION AND DISMANTLE

No special tools are required, and four lifting eyes are located on the car roof and two on the drive unit for easy installation and dismantle. This ensures a cost-effective and user-friendly hoist solution.





Improved performance for passenger and material lifting

The Alimak SC 65/32 is the latest hoist to be upgraded for goods and passenger vertical transportation. Upgrades to the doors of the SC 65/32 and enhanced drive unit technology improves hoist operation, ensuring its safety and reliability with the added benefit of lowering your total cost of ownership.

HIGHER QUALITY STANDARD WITH ALIMAK TECHNOLOGY

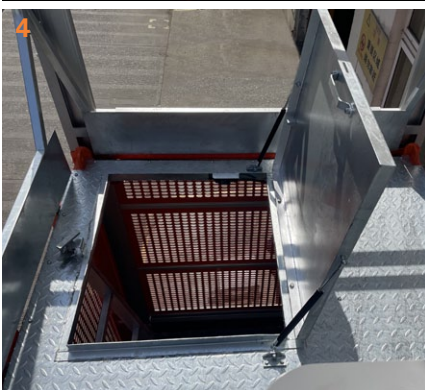
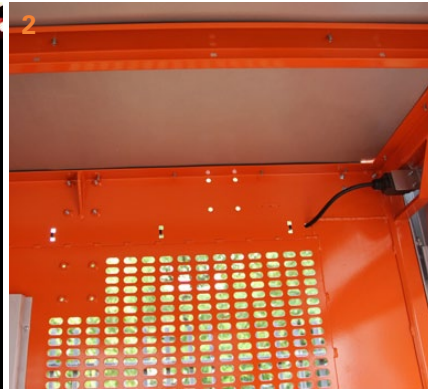
1. Optional European components available, safety device, gearbox and electrical components for main-panel
2. Upgraded cable routing and sign placement inside the hoist for easier visibility
3. New roller assembly design, made from durable cast iron material
4. An additional latch ensures stability of the hoist cars roof hatch

UPGRADED DOOR DESIGN WITH IMPROVED RELIABILITY AND SUSTAINABILITY

5. Lighter door made from Aluminum, for increased sustainability
6. Lighter and shorter manual bridge on vertical sliding door for efficient operation
7. Bi-parting door lock safety cover to prevent accidental touch
8. Updated mounting design of the door limit switch to protect it from damage, increasing switch life span

UPGRADED DRIVE UNIT DESIGN WITH LOWER TOTAL COST OF OWNERSHIP AND LONGER LIFE TIME

9. New and improved drive unit with anticorrosion, rust proof galvanized steel frame. The drive unit occupies less space on the roof for easier maintenance
10. New stainless steel design of FC resistor for increased resistance, with better heat dissipation and reliable performance
11. Easy assembly and maintenance of aviation plug used for cable inlet of electrical panel on drive unit
12. New motor attached SNL encoder, that does not require a pinion, improves landing accuracy



Technical specifications

Alimak SC 65/32	DOL	FC	FC-S
Max. Payload capacity	2,000 kg (4,400 lbs)	2,000 / 2,700 kg (4,400 / 6,600 lbs)	2,000 kg (4,400 lbs)
Traveling speed	36 m/min (118 fpm)	0–60 m/min (0–197 fpm)	0–90 m/min (0–295 fpm)
Lifting height, max. *	150 m (492 ft)	500 m (984 ft)	500 m (984 ft)
Motor control	DOL	FC	FC
No. of motors	2 x 11 kW	2 x 9.4 kW or 3 x 11 kW	3 x 11 kW
Control system	Hold to run	Hold to run or SNL	Hold to run or SNL
Car size (W x L x H)	1.5 m x 3.2 m x 2.5 m (4'-11" x 10'-6" x 8'-2")	1.5 m x 3.2 m x 2.5 m (4'-11" x 10'-6" x 8'-2")	1.5 m x 3.2 m x 2.5 m (4'-11" x 10'-6" x 8'-2")
Door opening (W x H)	1.5 m x 2 m (4'-11" x 6'-7")	1.5 m x 2 m (4'-11" x 6'-7")	1.5 m x 2 m (4'-11" x 6'-7")
Power supply range	380–500 V, 50/60 Hz, 3 phase	380–500 V, 50/60 Hz, 3 phase	380–500 V, 50/60 Hz, 3 phase
Type of mast	650 – tubular steel	650 – tubular steel	650 – tubular steel
Length of mast section	1.508 m (4'-11 3/8")	1.508 m (4'-11 3/8")	1.508 m (4'-11 3/8")
Rack module	8	8	8
Safety device type	SAJ / Alimak	SAJ / Alimak	SAJ / Alimak
Gearbox	Standard / Alimak	Standard / Alimak	Standard / Alimak

*Increased lifting height on request.