



CARGO LIFTS

Paradis Lifts
CARGO

Customised to lift smarter

HS Model Hydraulic Freight Elevators — Premium Heavy-Duty Lifting Solutions

Designed for efficient, reliable heavy-duty cargo transport, the HS Model prioritises maximum safety, energy efficiency, and low operating costs. This model is ideal for industrial facilities, warehouses, and logistics centers requiring robust lifting power.

Engineered for flexibility and high performance, this elevator combines **customisation and smart technology** to meet the unique requirements of modern operations. Its adjustable speed settings, soft-start capabilities, and precise positioning ensure a smooth and tailored experience for each use. Real-time remote monitoring and diagnostics make it easy to track performance, manage maintenance proactively, and troubleshoot efficiently. With modular options and adaptable configurations, this lift can be seamlessly integrated into various environments, providing reliable and intelligent support to meet demanding workloads with ease.

HS1 / HS2

HS1/HS2

Hydraulic cargo lift

Enhanced Safety System

Includes protection against suspension failure and cylinder slippage, with an Unintended Car Movement Protection (UCMP) system to prevent unexpected movement.

Real-time monitoring of speed to avoid overspeed scenarios.

Remote Monitoring & Diagnostics

Equipped with a live monitoring system for real-time data on speed, positioning, and safety elements. This enables remote troubleshooting and resetting of errors, reducing the need for on-site maintenance.

Collects operational data such as trip frequency and problem history to optimise usage and maintenance schedules.

Precision Positioning with Linear Encoder

A linear encoder ensures precise monitoring of elevator position and speed. Stop levels can be adjusted electronically without the need for physical modifications, allowing for flexible changes.

Efficient Screw Pump Option

More energy-efficient than traditional gear pumps, with a compact design and reduced fluid turbulence for smoother hydraulic operation, minimising mechanical vibrations and reducing the risk of component failure.



Adjustable Speed Control

Offers both slow and nominal speeds for smooth movement, minimising inertial forces during acceleration and deceleration.

Soft Start and Stop Feature

Provides a gentle start-stop control to ensure smooth movement without sudden jolts, enhancing user and cargo safety.

Quiet, Smooth Operation

Uses precision-machined guides and load-bearing rollers to achieve quiet and stable operation, reducing noise and vibrations.

Optional Submersible Motor Advantages

Submersible motors reduce hydraulic noise, utilise space efficiently, and protect the motor and pump from external environmental factors.

Power Outage Relief Mechanism

In case of power failure, there is a possibility to lower the elevator using emergency release valve or raise it using manual pump.

Hydraulic cargo lift | HS1

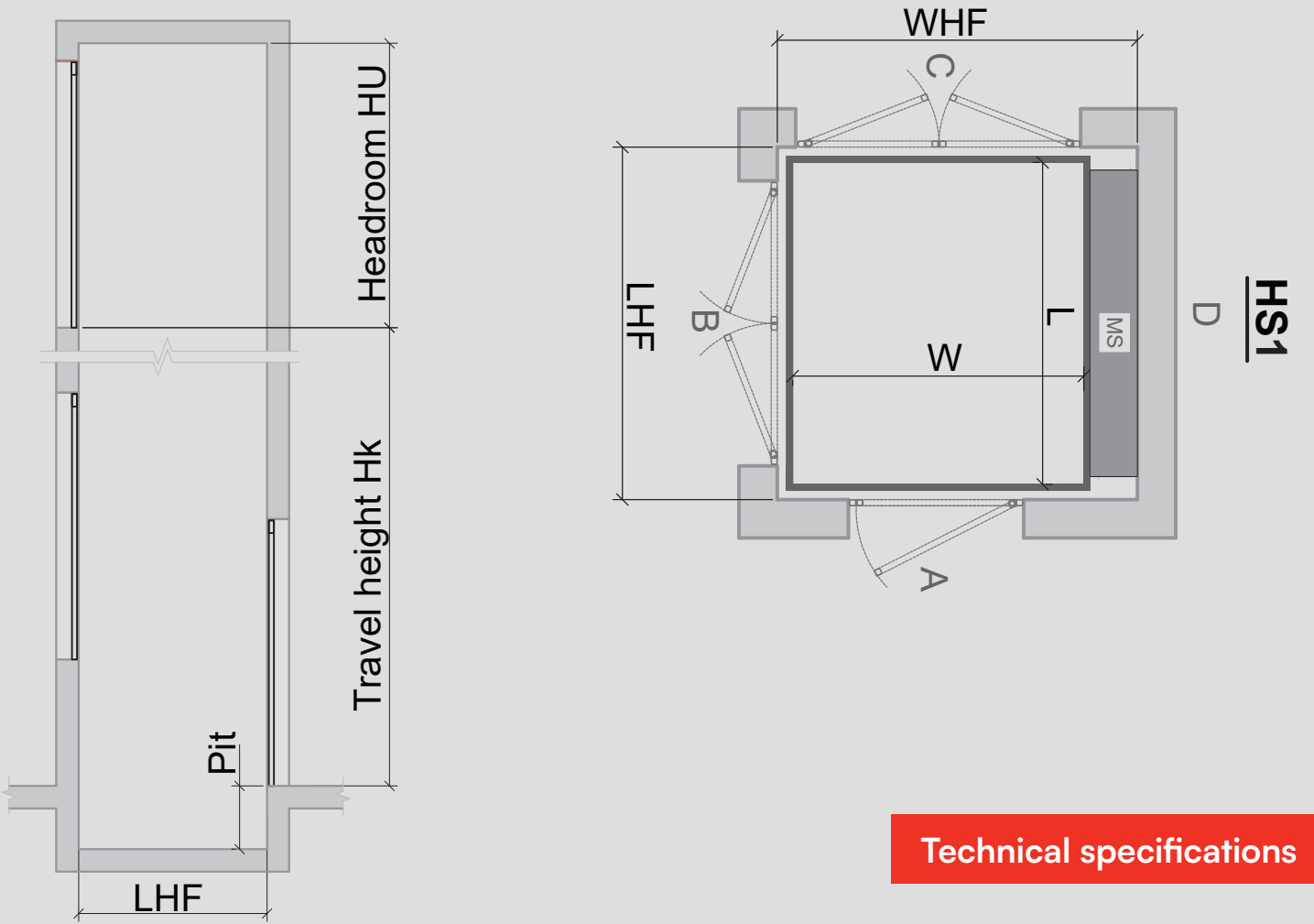
HS1 is the solution to your vertical transportation needs

HS1 is the more compact and cost-effective model of the Paradis Cargo line, most well suited for light industrial and retail applications, with load capacity of up to 1,5 tonne and a platform size of 3m x 1,5m.

Paradis HS1 is a hydraulic lift intended for use of transportation of goods with or without attendant. Paradis HS1 lift is already in use by companies in the fields of furniture, robotics and automation, retail, logistics, as well as medical facilities.

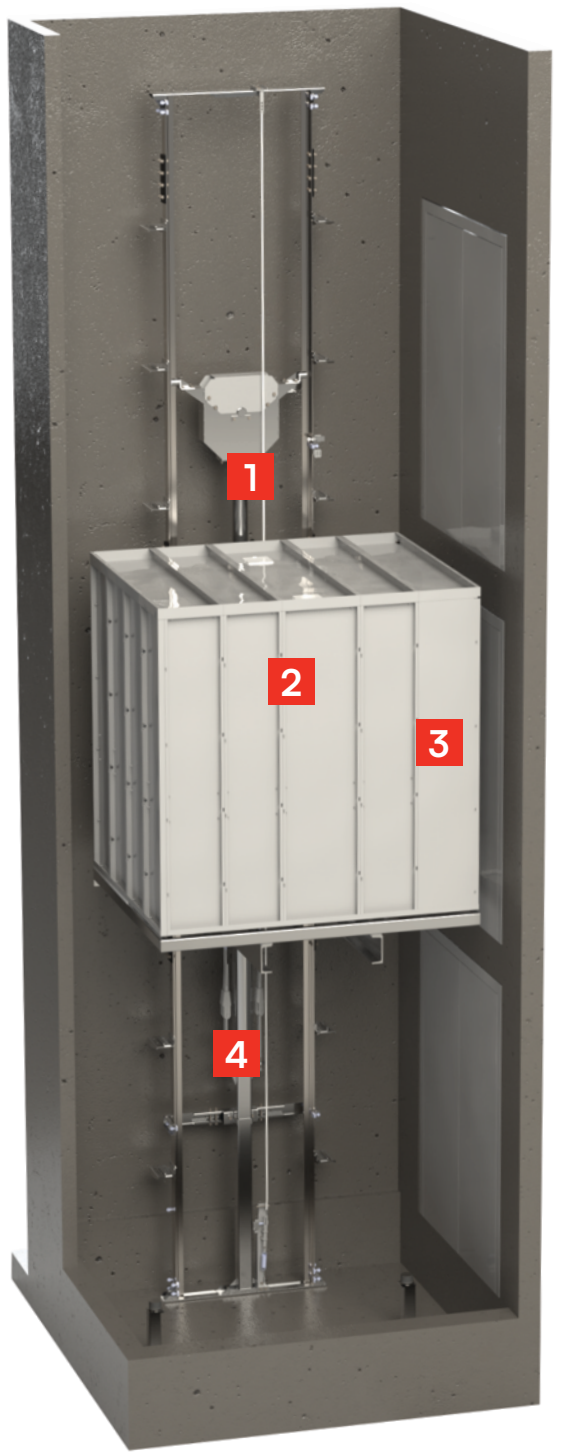
HS1 uses a smart controller capable of off-site monitoring, enabling rapid and effortless troubleshooting. Soft start and soft stop system ensure a comfortable ride, from beginning to end. Automatic re-levelling allows the platform to always be level with the floor, no matter if the lift is fully loaded or empty.

Wide range of available configurations allows high space efficiency. Robust design, custom solutions and smart controller open possibilities to integrate the lift not only to the building of any kind, but also ensures the safe and efficient usage.



Technical specifications

- 01 | The mechanical components of Paradis HS1 are designed for quiet, smooth operation and longevity, enabling constantly high throughput
- 02 | Robust car panels ensure that the cabin can cope with real-world conditions, with material selection to suit your specific vision and needs
- 03 | Available with swing doors with customisable dimensions, Paradis HS1 is suitable for all building layouts
- 04 | With a minimal pit of 400 mm and headroom of 2400 mm, as well as flexible car dimensions, Paradis cargo is exceptionally well-suited for any existing structure

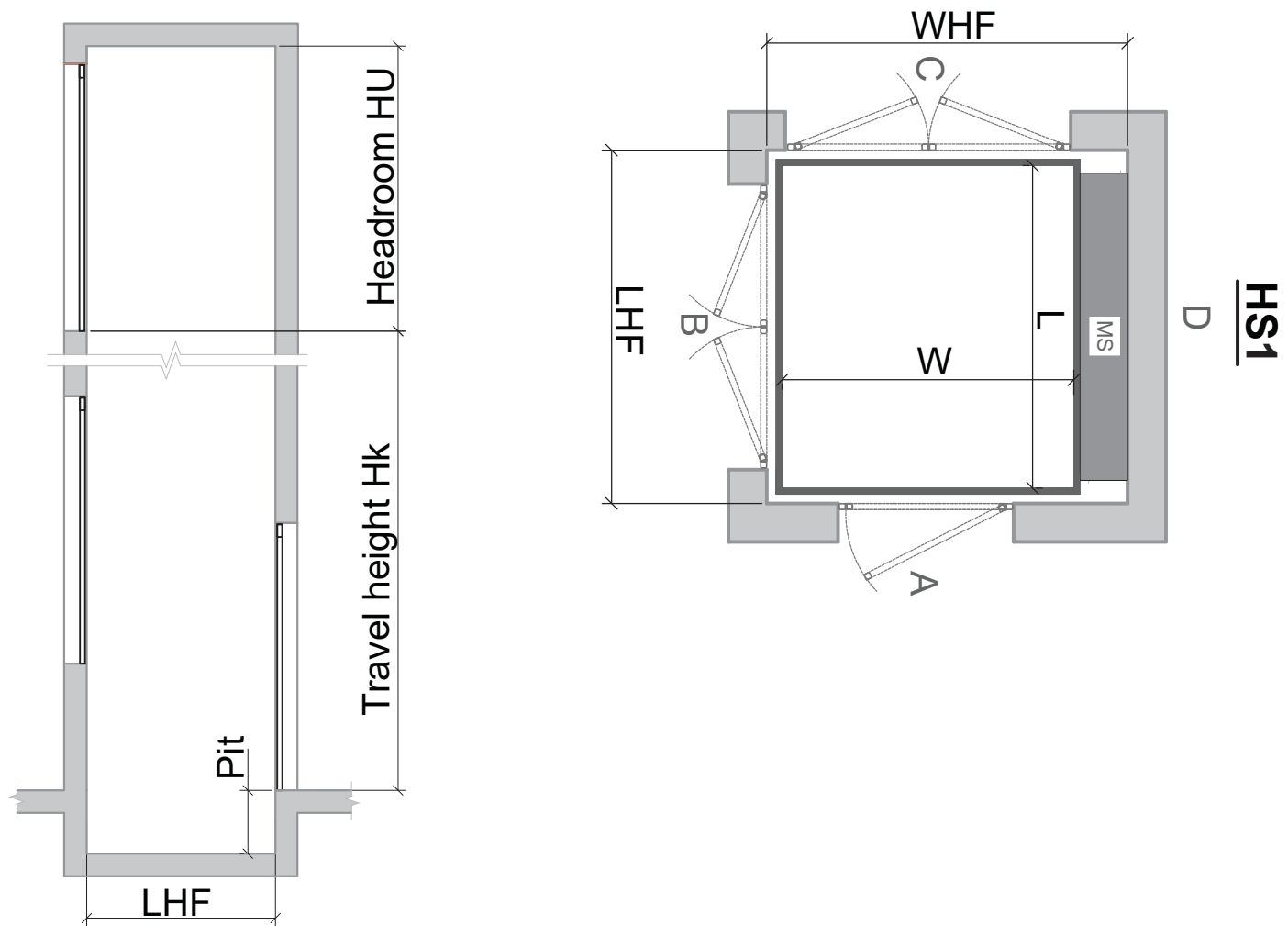


Hydraulic cargo lift | HS1

Goods lift HS1		
Travelling Hk, mm		max. 12000
Configuration		HS1
Rated load, kg		1000/1500
Platform width W, mm*1		max 1900
Platform length L, mm*1		1400 - 3000
Headroom, mm*2		Cabin height + 700
Pit depth, mm		min 400
Shaft type		Brick / Concrete / Steel frame
Shaft inner dmensions*3		Entrances
Shaft inner length WHF, mm	A / C / AC	W + 450
	B / AB / BC	W + 390
Shaft inner width LHF, mm	A / B / C / AB / BC	L + 160
	AC / ABC	L + 80
Rated power, kW		Min 4
Number of stops		up to 5
Power supply		400V 50Hz
Controls		Hold to run
Doors		
Door type		Hinged doors
Cabin		
Cabin type		Partially enclosed cabin
Cabin height, mm		Up to 3000
Floor material		Plywood / Chequered aluminium / Chequered stainless steel
Protection at cabin entrance		Light curtain
Additional data		
Floor leveling system		Automatic re-levelling system

- *1 Design table must be used to select possible combination of platform dimensions in relation to nominal loads
- *2 Minimum headroom may be 2000mm in specific cases. Minimum Headroom possibility must be evaluated for individual project
- *3 Given dimensions may be altered for individual projects

HS1 HYDRAULIC GOODS LIFT DESIGN TABLE																			
Load Kg		Platform length L, mm																	
		1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	
Platform width W, mm	600	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	700	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	800	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	900	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	1000	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	1100	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	1200	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	
	1300	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1000	1000	1000
	1400	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1000	1000	1000	1000
	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1500	1000	1000	1000	1000	1000	1000	1000	1000
	1600	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
	1700	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	
	1800	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000			
1900	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000					



- LHF - shaft inner length
- WHF - shaft inner width
- A - „A“ side
- B - „B“ side
- C - „C“ side
- D - „D“ side
- L - platform length
- W - platform width
- MS - mechanism

Hydraulic cargo lift | HS2

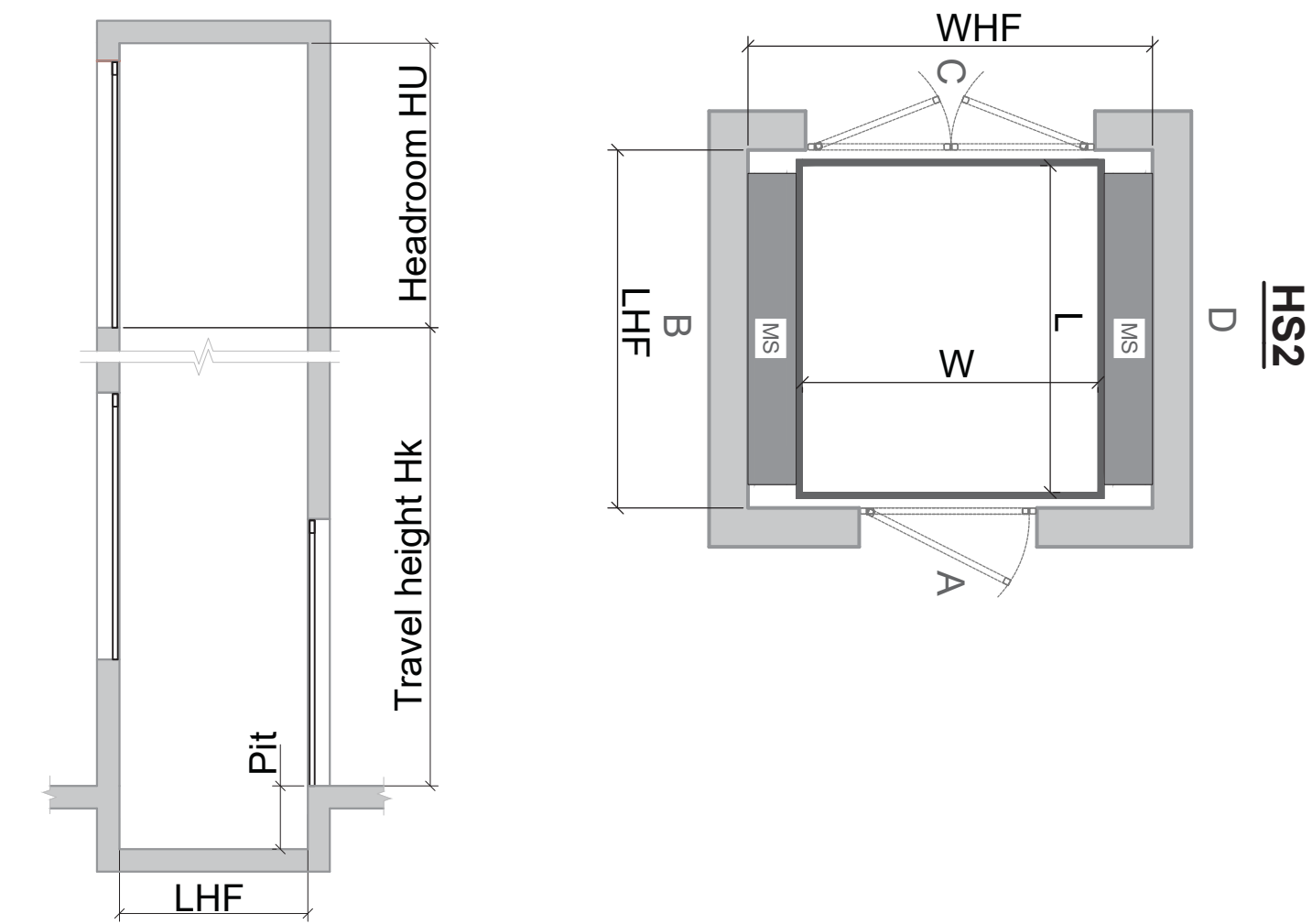
Goods lift HS2		
Travelling Hk, mm		max. 12000
Configuration		HS2
Rated load, kg		2500/3000
Platform width W, mm*1		max 4000
Platform length L, mm*1		1400 - 5000
Headroom, mm*2		Cabin height + 700
Pit depth, mm		min 400
Shaft type		Brick / Concrete / Steel frame
Shaft inner dmensions*3		Entrances
Shaft inner length WHF, mm		A / C / AC
Shaft inner width LHF, mm	A / AC	L + 160
	AC	L + 80
Rated power, kW		Min 5
Number of stops		up to 5
Power supply		400V 50Hz
Controls		Hold to run
Doors		
Door type		Hinged doors
Cabin		
Cabin type		Partially enclosed cabin
Cabin height, mm		Up to 3000
Floor material		Plywood / Chequered aluminium / Chequered stainless steel
Protection at cabin entrance		Light curtain
Additional data		
Floor leveling system		Automatic re-levelling system

*1 Design table must be used to select possible combination of platform dimensions in relation to nominal loads

*2 Minimum headroom may be 2000mm in specific cases. Minimum Headroom possibility must be evaluated for individual project

*3 Given dimensions may be altered for individual projects

HS2 HYDRAULIC GOODS LIFT DESIGN TABLE																				
Load Kg	Platform length L, mm																			
	1400	1600	1800	2000	2200	2400	2600	2800	3000	3200	3400	3600	3800	4000	4200	4400	4600	4800	5000	
Platform width W, mm	1800	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	
	2000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	
	2200	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	
	2400	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	
	2600	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	
	2800	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	3000	3000	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	3200	3000	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	3400	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	3600	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	3800	3000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	
	4000	3000	3000	3000	3000	3000	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	2500	



LHF - shaft inner length
WHF - shaft inner width
A - „A“ side
B - „B“ side
C - „C“ side
D - „D“ side
L - platform length
W - platform width
MS - mechanism

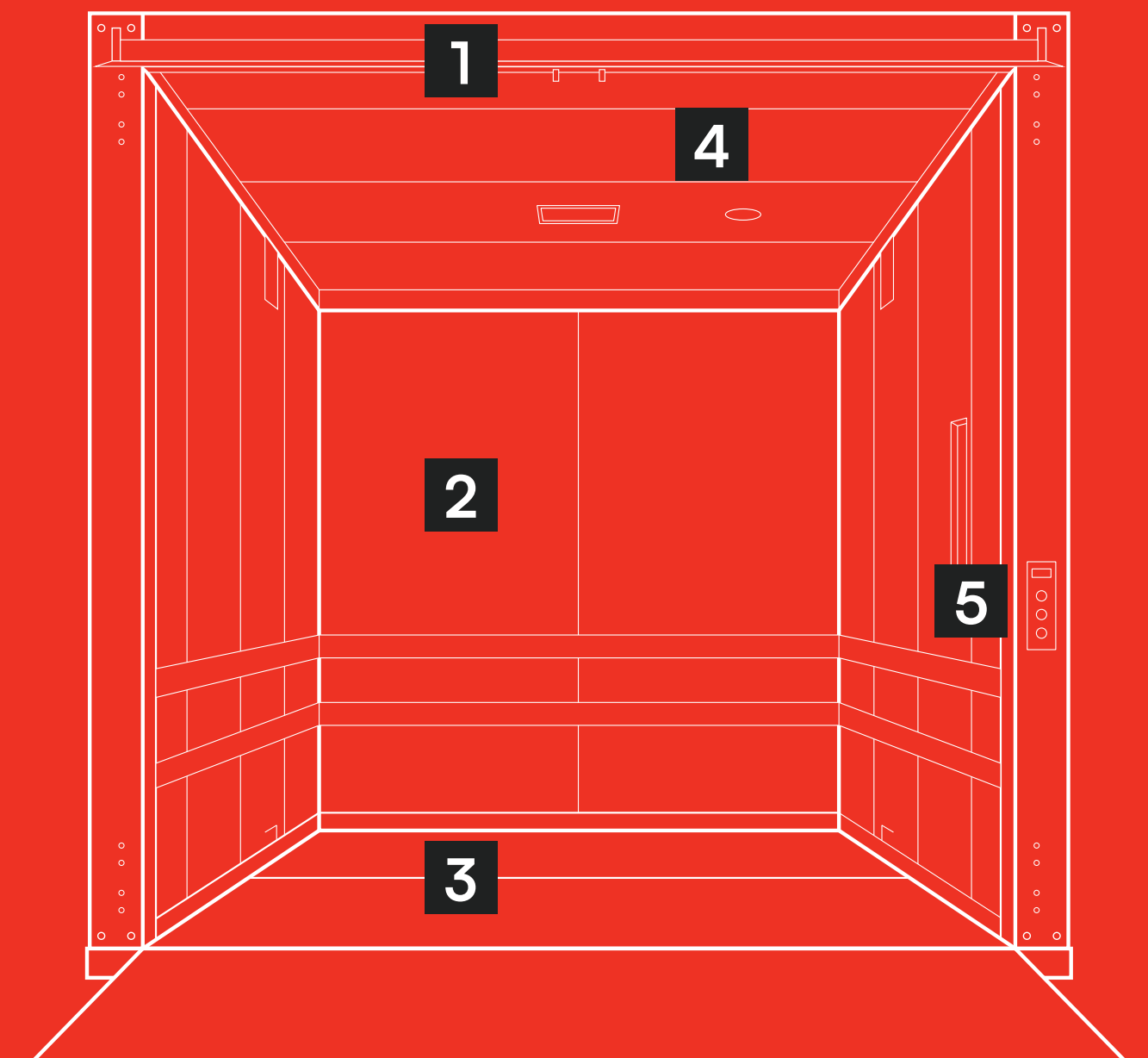
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CUSTOMISATION OPTIONS

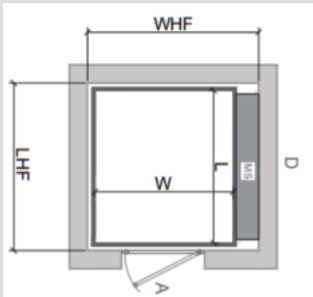
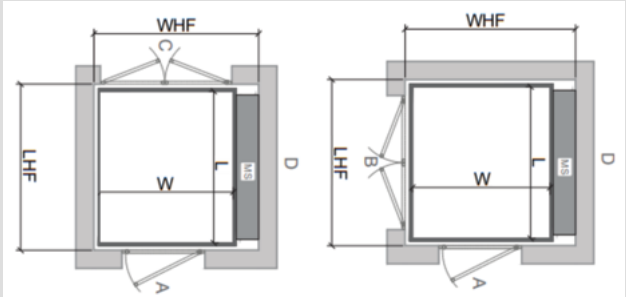
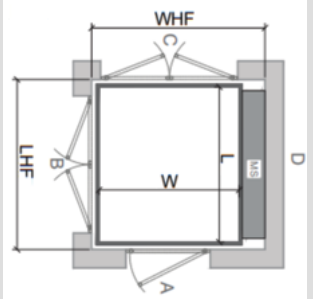


Customise your lift

- 01 | Doors
- 02 | Walls
- 03 | Floors
- 04 | Ceilings
- 05 | Buttons
- 06 | Additional options



Doors:

Type	
Hinged	
1. Single leaf doors	
a) Standart	
b) Panoramic	
c) Fire resistant	
2. 2 leaves	
a) Standart external hinge	
b) Standart invisible hinge	
c) Fire resistant	
Quantity	
One side	
Two sides	
Three sides	
Door opening method	
Manual	
Automatic	
Door material	
1. Steel	
a) Painted with any RAL colour	
b) Made of galvanised steel	
c) Made of stainless steel	
2. Aluminum	
3. EI-60 or EI-120 fire rated doors	

[View gallery](#)

Walls:

Walls material
Metal
1. Made of galvanised steel
2. Made of stainless steel
a) Textured
b) Sanded
c) Plain
3. Cold rolled sheet painted with any RAL colour
Protective supports around the entire perimeter of the cabin
Metal
Made of galvanised steel
Made of stainless steel
Wooden
Plywood (Multiple texture options available)
Plastic
PVC plastic (Multiple colours options available)



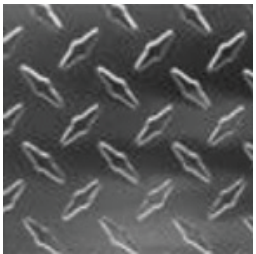
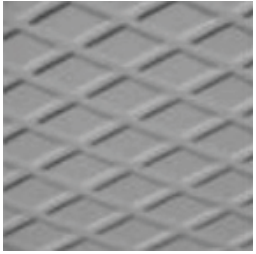
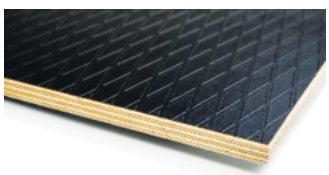

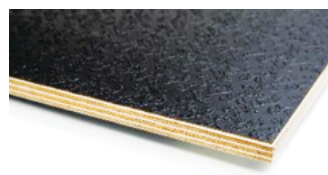

[View gallery](#)



CUSTOMISATION OPTIONS



Floors:

Material			
Metal			
			
Chequered aluminium	Chequered AISI 304	Chequered AISI 316	Striped metal sheet
Plywood (Multiple texture and colour options available)			
			
Diamond	Dot	Foot	Combi

View gallery

Ceilings:



Lighting
LED downlight lamps built into the ceiling as standard
Special requests
Material
1. Made of galvanised steel
2. Made of stainless steel
a) Textured
b) Sanded
c) Plain
3. Cold rolled sheet painted with any RAL colour
Extra
Hatch in the ceiling
Smoke extractor
Forced ventilation

View gallery





Push buttons:

VEGA Giunone	VEGA Achille
	
Main features	
Complies to UNI EN 81-70	Complies to EN81-70, EN81-71 Cat 1, EN81-72 and EN81-73 (with IP54 seal)
Pressel	
Polycarbonate with stainless steel AISI 304 or gold/black PVD coated finishes; raised legend(s) and Braille.	Polycarbonate with stainless steel AISI 304 or gold/black PVD coated finishes; 15mm height raised legend(s) with or without Braille.
Illumination	
Monolight	
Bicolour	
Avg. life	
2.000.000 activations	
Degree of protection	
IP51	IP51. IP54 with silicone spring and O-ring.

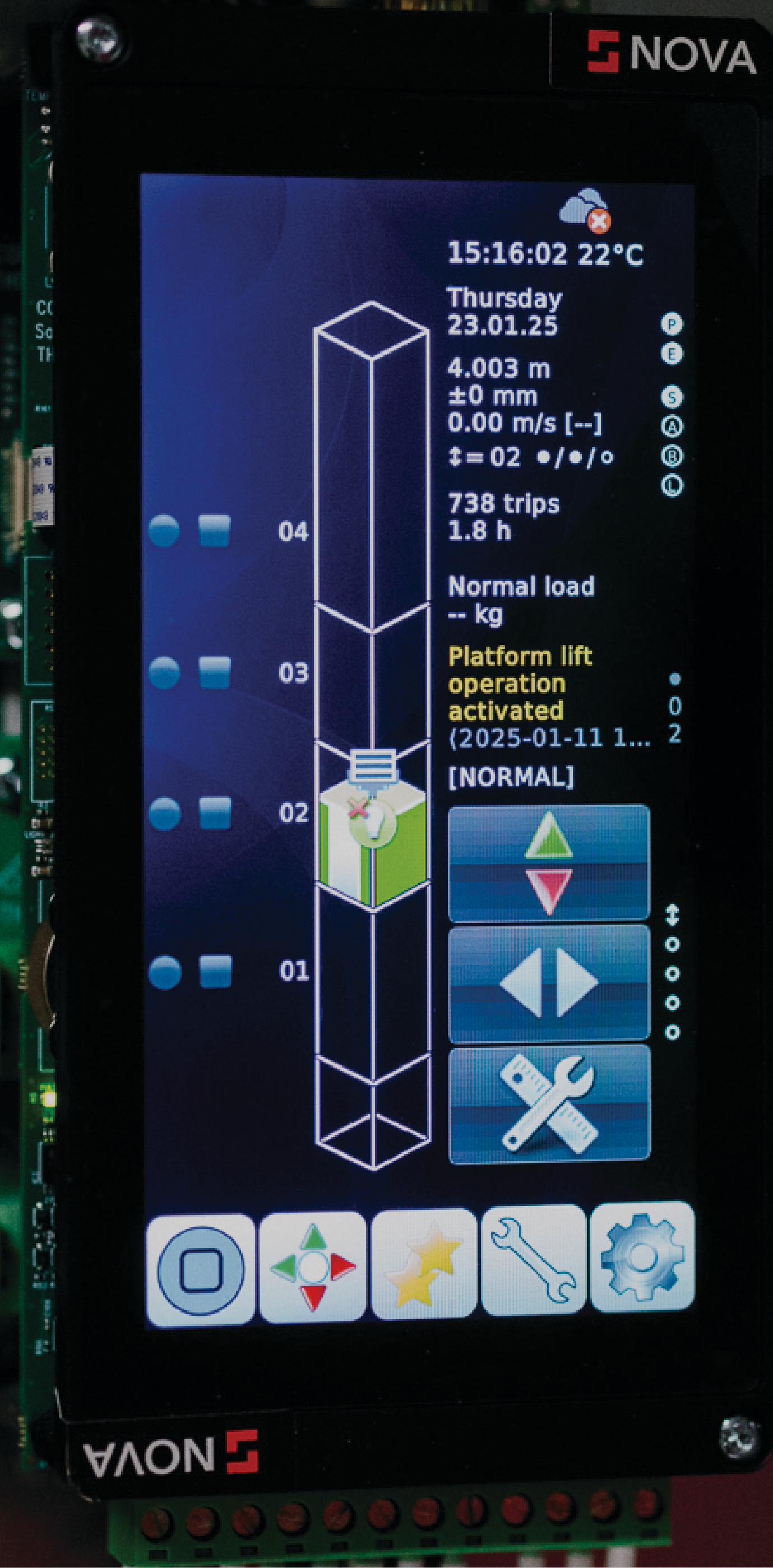
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SMART FUNCTIONALITY





Option	Description
Semi-automatic doors	Doors which close automatically, but must be manually opened
Automatic doors	Doors which open and close automatically
Oil heater	A system designed to heat hydraulic oil in low ambient temperatures to maintain hydraulic properties of the oil
Landing operating panel display	A screen that shows basic information about the position of the car on the car operating panel
Car operating panel display	A screen that shows basic information about the position of the car on the landing operating panel
Fan	A fan that keeps air circulating in a fully enclosed car
Non-standard push buttons	Different push buttons to suit the needs of the user (operation in heavy gloves, etc.)
Additional car operating panel	Another car operating panel on the car to enable access in case the other one is blocked by cargo
Electromechanical anti-drift lock	Mechanically prevents the platform from lowering as the car is being loaded

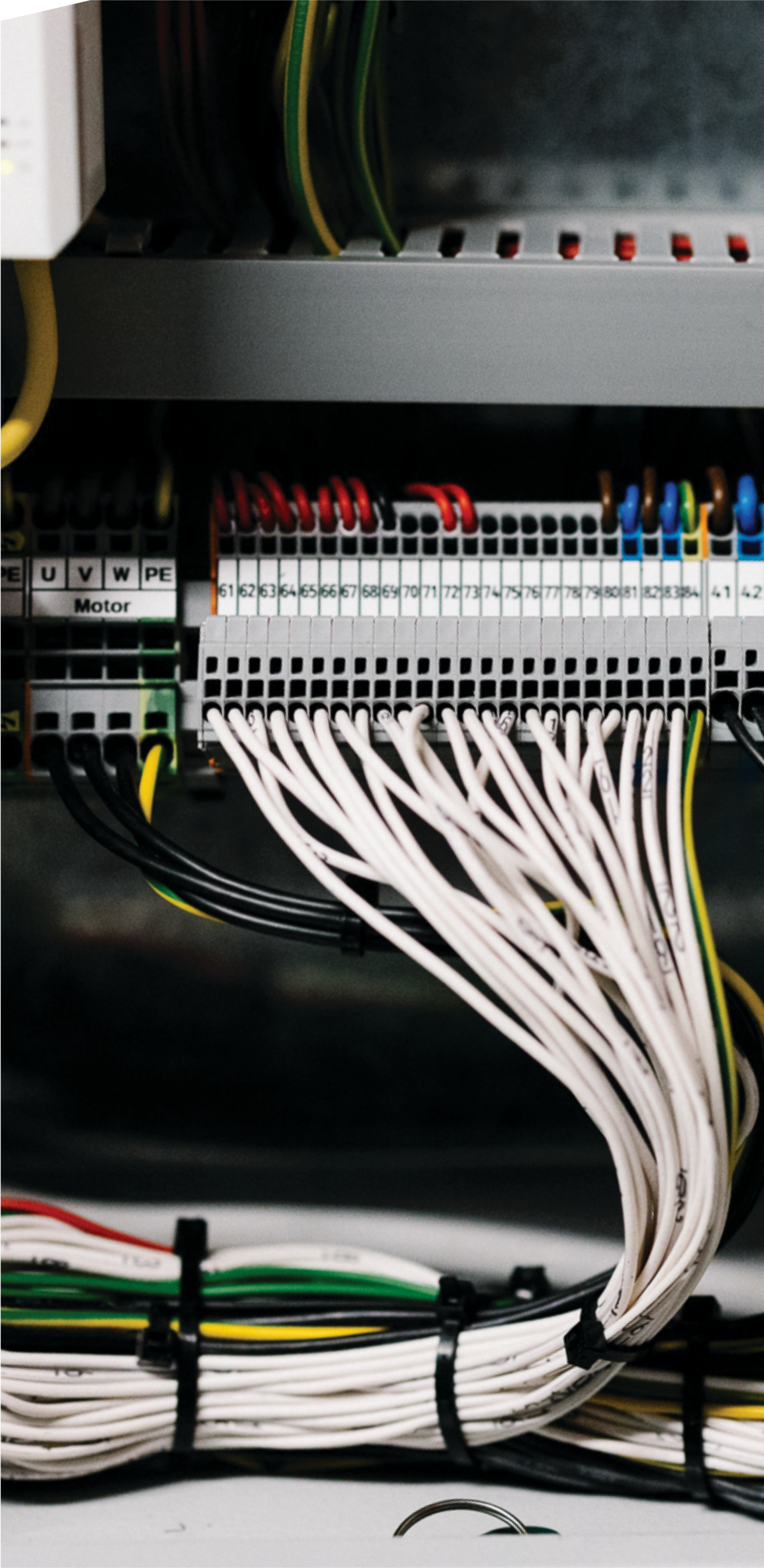


Useful to the end-user

Function name	Function description
Lift Team Operation	Allows multiple compatible lifts to work efficiently together through a smart algorithm that dispatches landing calls dynamically
Parking	Designates the landing in which the car is parked after a certain amount of idling
Cabin/Car Illumination (light) off timer	Enables automatic shut-off of lift lighting after a set amount of idling with the doors closed
Floor Displays/Indicators off timer	Enables automatic shut-off of lift displays and indicators after a set amount of idling with the doors closed
Energy Saving Timers	Allows the lift to enter energy saving mode and/or standby mode after being idle for a set amount of time
Standby Operation	Ability to shut off the lift by switch or pre-set timer and send the lift to landing designated as 'standby' landing
Time Planner	Allows the user to disable and enable floor calls for certain times, enables the use of the same lift by different parties
Generic Supervision Inputs	Allows setting of custom conditions to disable doors, to display warnings and additional functionality

Useful to installer or service provider

Function name	Function description
Assembly/Installation Operation Mode	Allows the lift to behave differently from normal operation to facilitate installation of the lift
UCM-Testing Operation	Allows simulating of an Unintended Car Movement event
Overload Indication Testing-Assistant	Allows simulating overload event to check if the buzzer/display is functional
Safety circuit bridge Testing-Assistant	Allows simulating of safety circuit bridge event
Runtime Supervision Testing	Allows simulating of runtime limiter activation event
Service Trip/Position Operation	Allows the maintenance worker to quickly check if the car is occupied and then sends the car to the service landing to allow for maintenance work in the shaft while the car remains stationary
Fire Alarm Operation	Sends the lift to designated floor and unlocks/locks all the doors as programmed in case of fire. Additional functionality, such as ignoring light curtains is present
Emergency Power Net Operation	Mode for safe operation on auxiliary power system (in case of main electrical power failure)
Emergency Evacuation Operation	Mode for evacuation of passenger from control panel (or manually from the power unit)
Drive Curve, Distances & Deceleration	Allows for viewing of velocity, distance travelled, and deceleration of the car
Maintenance Intervals	Allows for automatic warning or disabling of lift after a designated number of trips or time has passed since maintenance
Network Connection	Allows access to the lift controller through the cloud or local area network
MQTT Interface	Allows for Internet of Things functionality





Maximised Safety and Reliability

Users benefit from a comprehensive safety setup that monitors all critical operational parameters, ensuring safe transport of goods. The advanced safety systems help prevent breakdowns, thereby protecting both operators and cargo.

Reduced Maintenance and Operational Costs

With remote diagnostics and data collection, maintenance requirements are lower, and fewer on-site visits are necessary. This translates to minimized maintenance costs and prolonged service life.

Flexible Configuration and Control Options

Real-time monitoring with adjustable stop levels and the option for remote adjustments provide greater operational flexibility, allowing users to optimize elevator performance based on specific workflow requirements.

Enhanced Operational Flexibility

Adjustable speed and smooth acceleration/deceleration allow the elevator to handle different load weights and travel heights efficiently. The precision control over start-stop functionality protects cargo from impact damage, ensuring safer transportation.

Quiet and Energy-Efficient Performance

Eco-friendly components, such as the screw pump and submersible motor, lead to quieter operation and reduced energy consumption, helping businesses cut down on energy costs and achieve their sustainability goals.

Resilience in Emergency Situations

Electronic and manual options, ensures continued operational control and security in emergency scenarios.

Data Collection for Performance Analysis

The elevator’s remote monitoring system also records data on trip frequency, usage intensity by time of day, and fault occurrences. This data allows facilities to analyse elevator usage patterns, plan maintenance schedules, and optimize lift operations to meet changing demand. By providing insights into equipment performance, the HS model enables businesses to make data-driven decisions that improve efficiency and extend the life of the elevator.

CONTACT US

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Interested in Learning more? Get in touch! Visit our website or scan the QR code to access detailed information and discuss custom elevator solutions tailored to your specific requirements.



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