



VERTISPACE[®] Series Cargo Lift



Ease Of Transportation

Our unparalleled VERTISPACE® series has long life-span and is suitable for industrial purposes.





Compact and reliable

The highly compact car structure and its optimal design of the key components greatly improved the overall robustness and safety of the elevators.

Large loading capacity

We have made a spectrum of improvements which targets the overloading problem of cargo lifts. The capacity of the cargo lift has been increased by 290% with our newly improved host design and spacious cabin design. On top of that, our inverter capacities have been doubled to ensure accurate torsion regardless of the weight load.



Large tonnage

Using only safety gears and speed limit devices that fulfill national standard, we ensured that our cargo lifts are safe to transport goods of up to 6.5tonnes. Our braking system has a torque that is 250% above standard level enabling our elevators to withstand a maximum of 180kN load. The elevators are also able to undergo micro-leveling when subjected to various weight loads for the ease of loading/unloading.

Spacious design for transport of bulky goods

In our continuous effort to increase the capacity of our cargo lift, we have put in place the most advanced door system to maximize the door opening width and increased the height of our cabin to 3.6m rendering greater ease during loading/unloading of goods. In addition, we have also equipped our cargo lift with door hold on the operating panel to postpone/delay door closing.



Longer life span with electrophoretic coating

Considering the environments cargo lifts are used in, all VT-XZ cargo lift bottoms are shielded by three layers of electrophoretic coating which serve as triple protection against corrosion. This enhances the life span of our cargo lift by up to 30 years.




According to data analysis, XJ Schindler elevators waste reduces 52% more energy in standby mode.



Leading energy conservation technology reduces 52% power consumption by elevators in standby mode

XJ Schindler unique patentship
Satisfies VDI 4707 A grade standard

XJ Schindler
standby mode
energy usage
47W

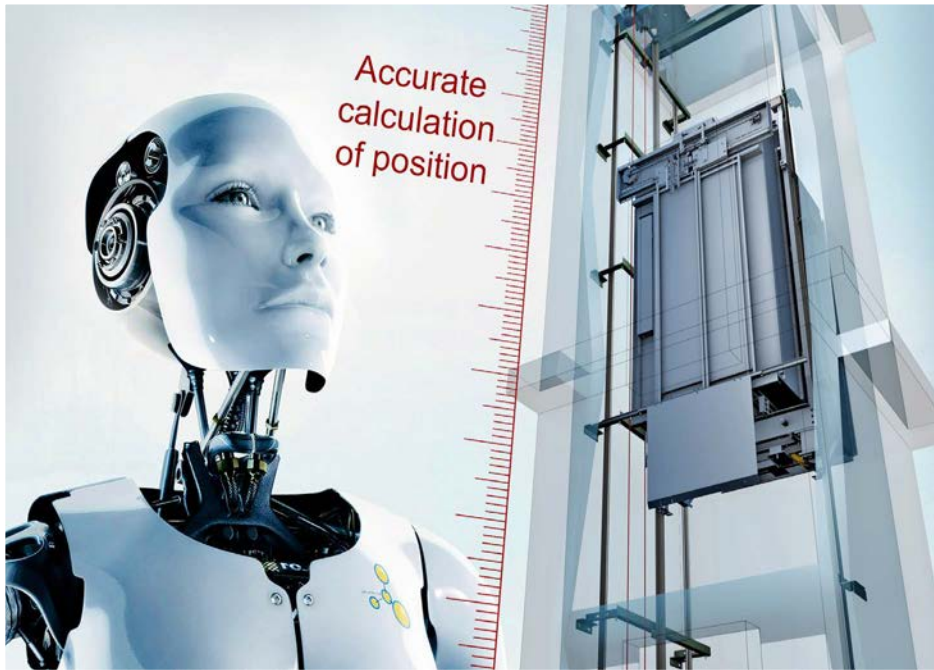


The image features a green background. On the left, a white rounded rectangle contains the text 'XJ Schindler standby mode energy usage' and '47W' in large green font. To the right of this box is a large white less-than-or-equal-to symbol (\leq). Further right is a photograph of a silver and black espresso machine with two white cups of coffee on its tray.

XJ Schindler Series Elevators can transit smoothly between hibernate mode when left unused for a prolonged period of time and normal mode when in use. This greatly reduces the power consumption of elevators to a mere 47W.

Reference:

According to records: The effective operation of an elevator operating on a 24-hour basis is only 3-6 hours. When the elevator is on standby mode, the power wastage is approximately 300W. Cumulatively, the overall power wasted per year is approximately 2100kWh. This implies that supposedly, \$1200 can be saved from the power wastage when elevator is in standby mode. The total amount of energy wasted by the world is almost equal to the total energy produced by QinShan Nuclear Station for 10 years.



Lift Slide Protection Patent

Eliminates Lift Slide Incidents

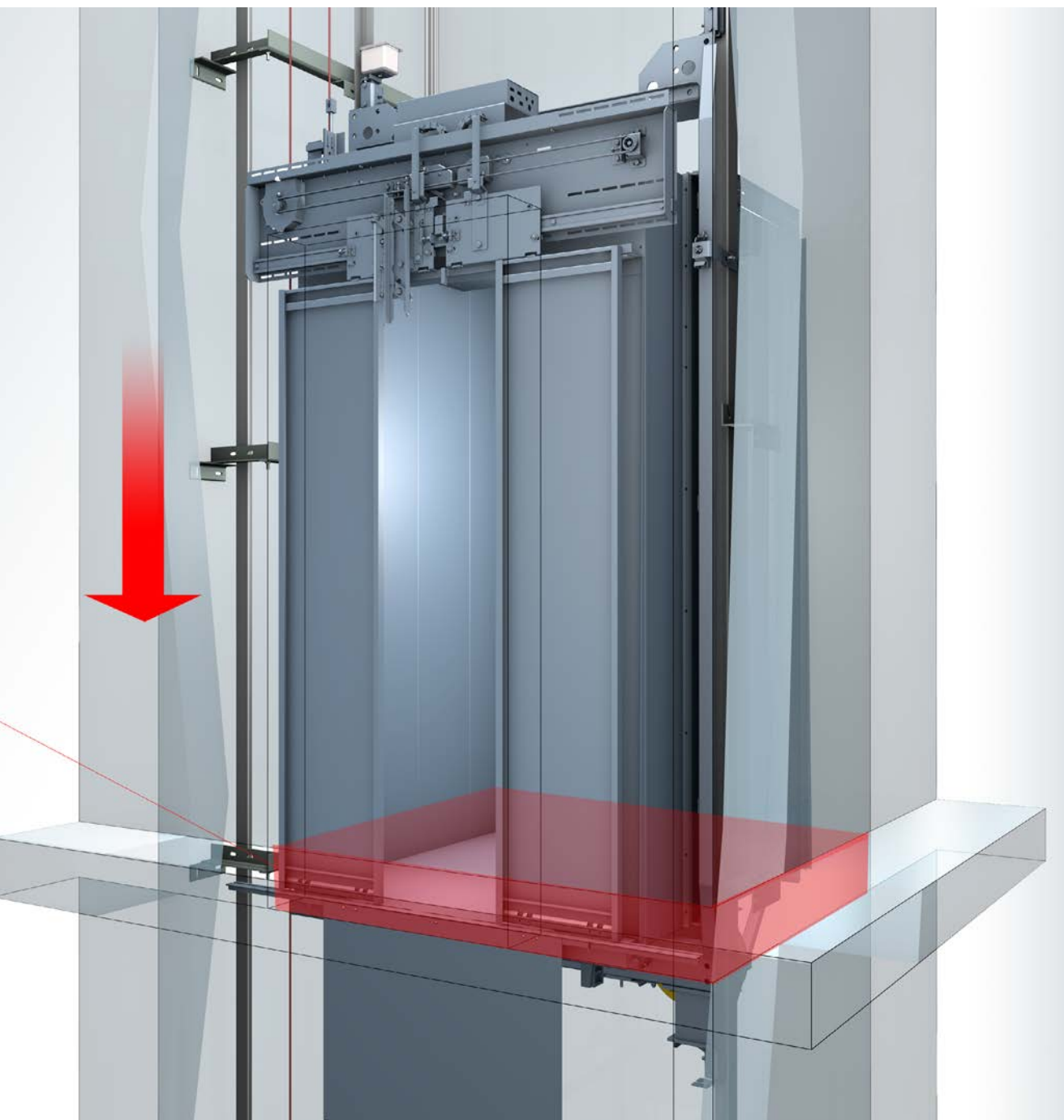
When the lift doors are opened, lift slide incidents can occur due to a spectrum of reasons. Before lift slide incidents can even actualise, our door protection system will be able to detect any abnormal movements by the elevator. When the elevator slide by 5cm, the protection system will be activated and the elevator will brake and stop within 20cm from the landing level. This prevents major lift slide incidents from occurring.

5cm

Start of protection

20cm

Safety Brake





HT-01

Specification

Ceiling	Steel Dusting Plate
lighting	Fluorescent Light/Daylight lamp
Floor Sill	Alluminium Alloy ($\leq 2T$) Cast Iron ($\geq 3T$)
Car Door	Steel Dusting Plate
Car Wall	Steel Dusting Plate
Flooring	Thread Plate
Rubber bumper	(Optional)

COP

S/S hairline panel
LED dot matrix display

HT-02

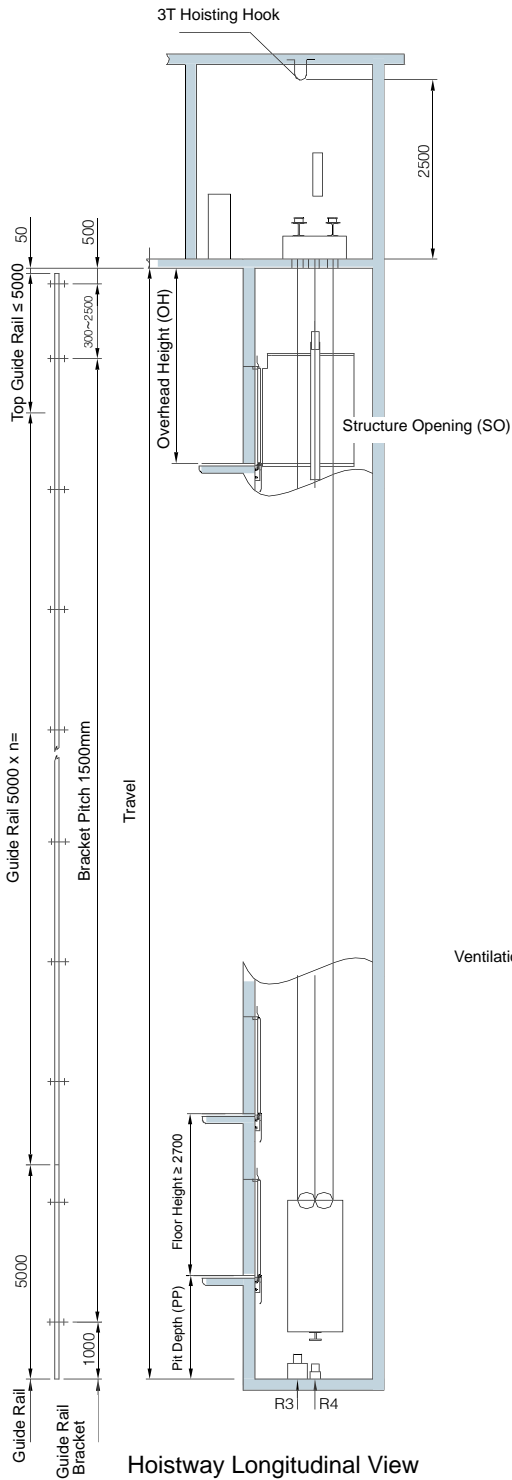
Specification

Ceiling	S/S Hairline
lighting	Fluorescent Light/Daylight lamp
Floor Sill	Alluminium Alloy ($\leq 2T$) Cast Iron ($\geq 3T$)
Car Door	S/S Hairline (Optional)
Car Wall	S/S Hairline (Optional)
Flooring	Thread Plate
Rubber bumper	(Optional)

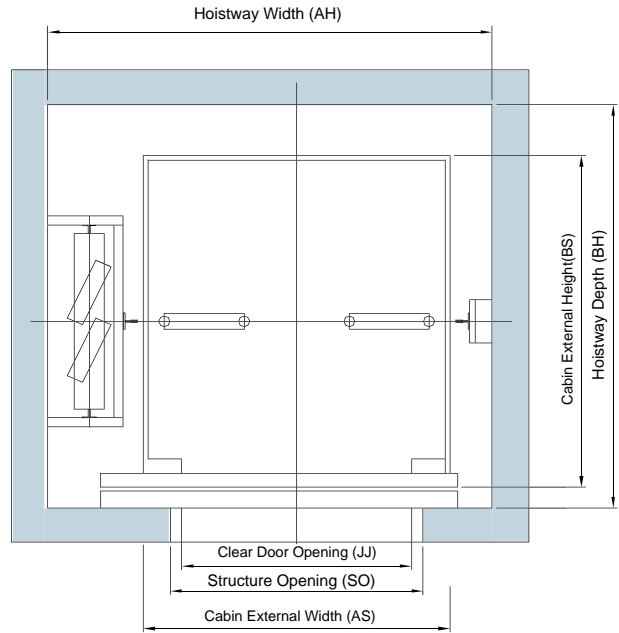
COP

S/S hairline panel
LED dot matrix display

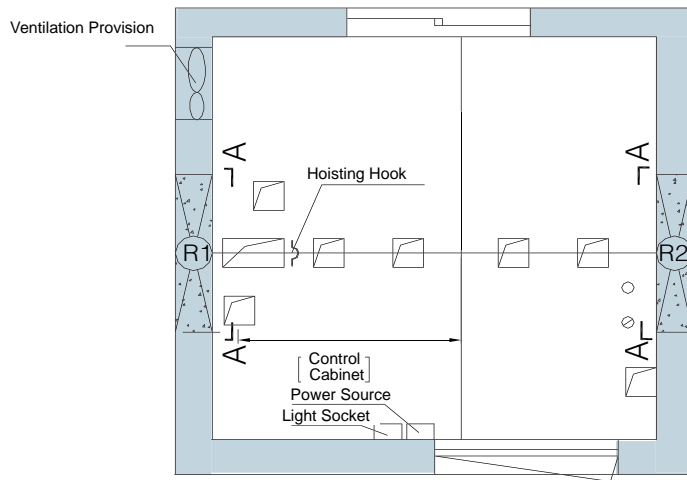
VT-XZ9000 Series Cargo Lift Floor Plan



Hoistway Longitudinal View



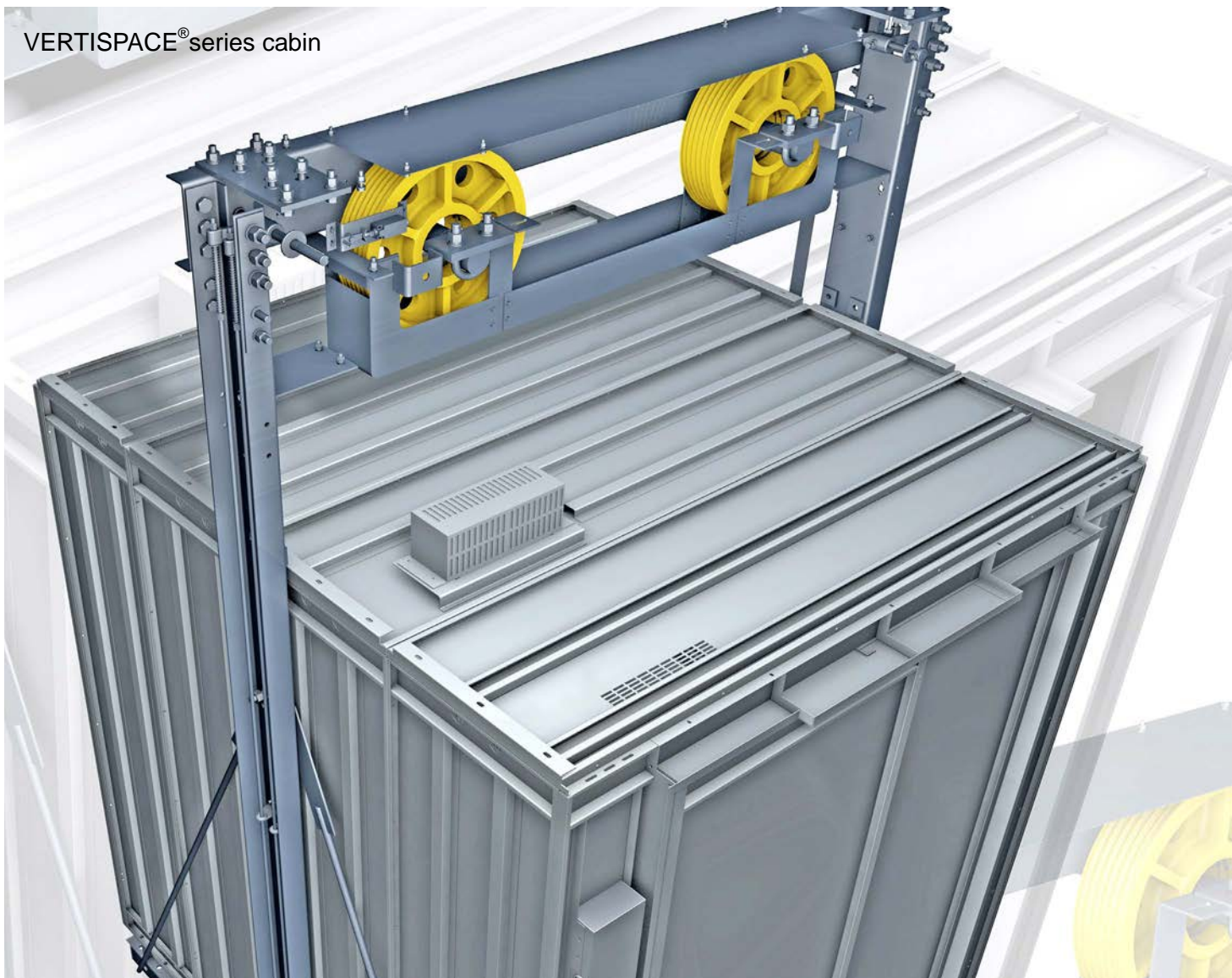
Hoistway Transverse View



Motor Room Transverse View

Model	Speed m/s	Capacity Kg	Clear door opening (JJxHH)	Cabin external dimension (ASxBS)	Hoistway dimension (AHxBH)	Motor-room dimension (AMxBM)	Motor-room dimension (HM)	Pit depth (PP)	Overhead height (OH)
8000-HT-20-05 8000-HT-20-05	0.5	2000	1500x2200	2000x2300	2900x2800	2900x2800	2500	1600	4600
8000-HT-20-10 9000-HT-20-10	1.0						2500		
8000-HT-30-05 9000-HT-30-05	0.5	3000	1600x2200	2500x2500	3500x2900	3500x2900	2500	1600	4600
8000-HT-50-05	0.5	5000	2000x2200	2700x3620	3900x4100	3900x4100	2500	1600	4600
8000-HT-65-02	0.25	6500	2400x2200	3360x3620	4700x4100	4700x4100	2500	1600	4600

Note: For loads exceeding 6500kg, please contact our company.





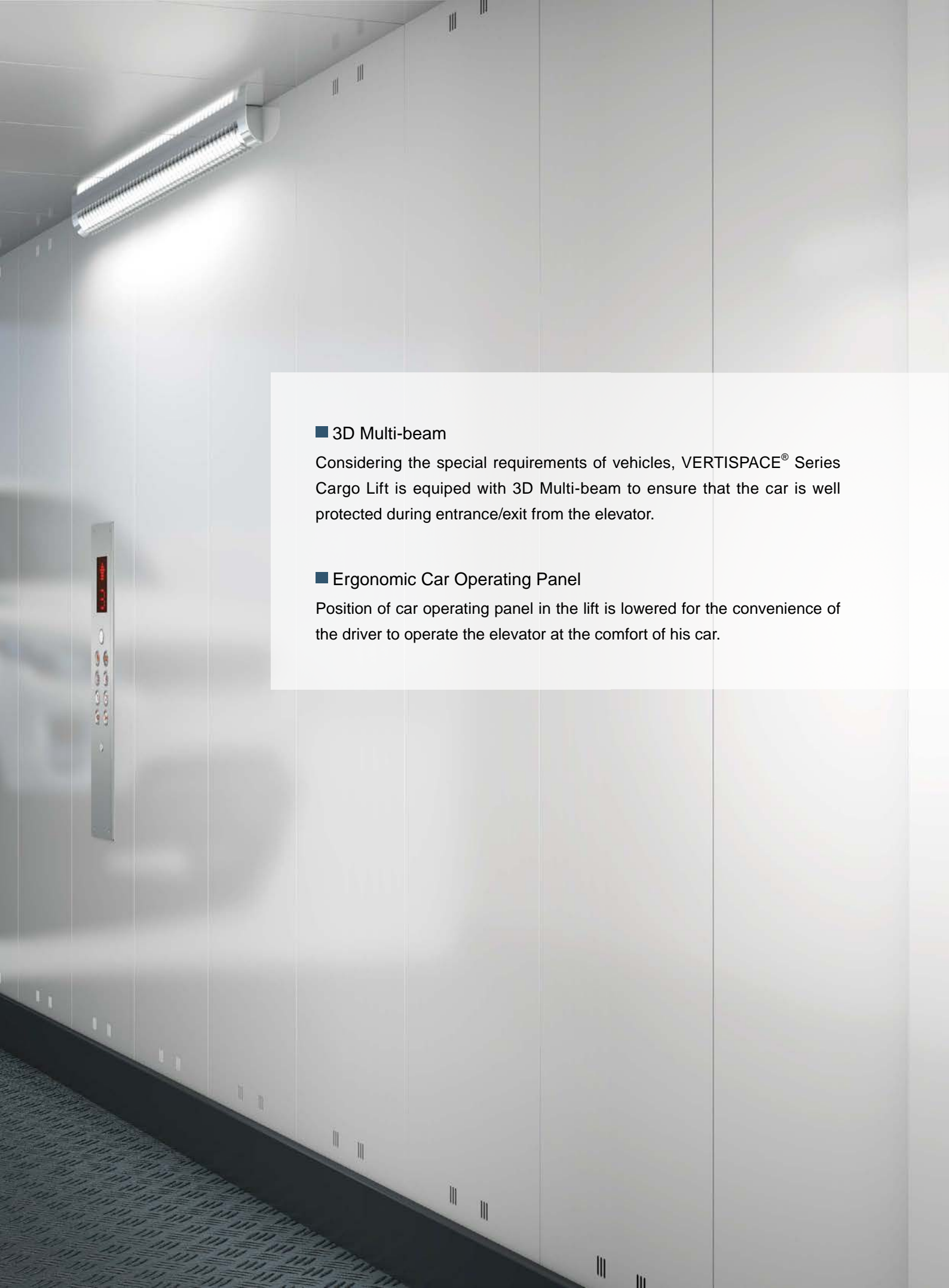
Catering to your every needs

With our commitment to provide the best service and product, we have successfully developed a perfect VERTISPACE® series cargo lift which satisfies all public requirements of cargo lifts.





RANGE ROVER

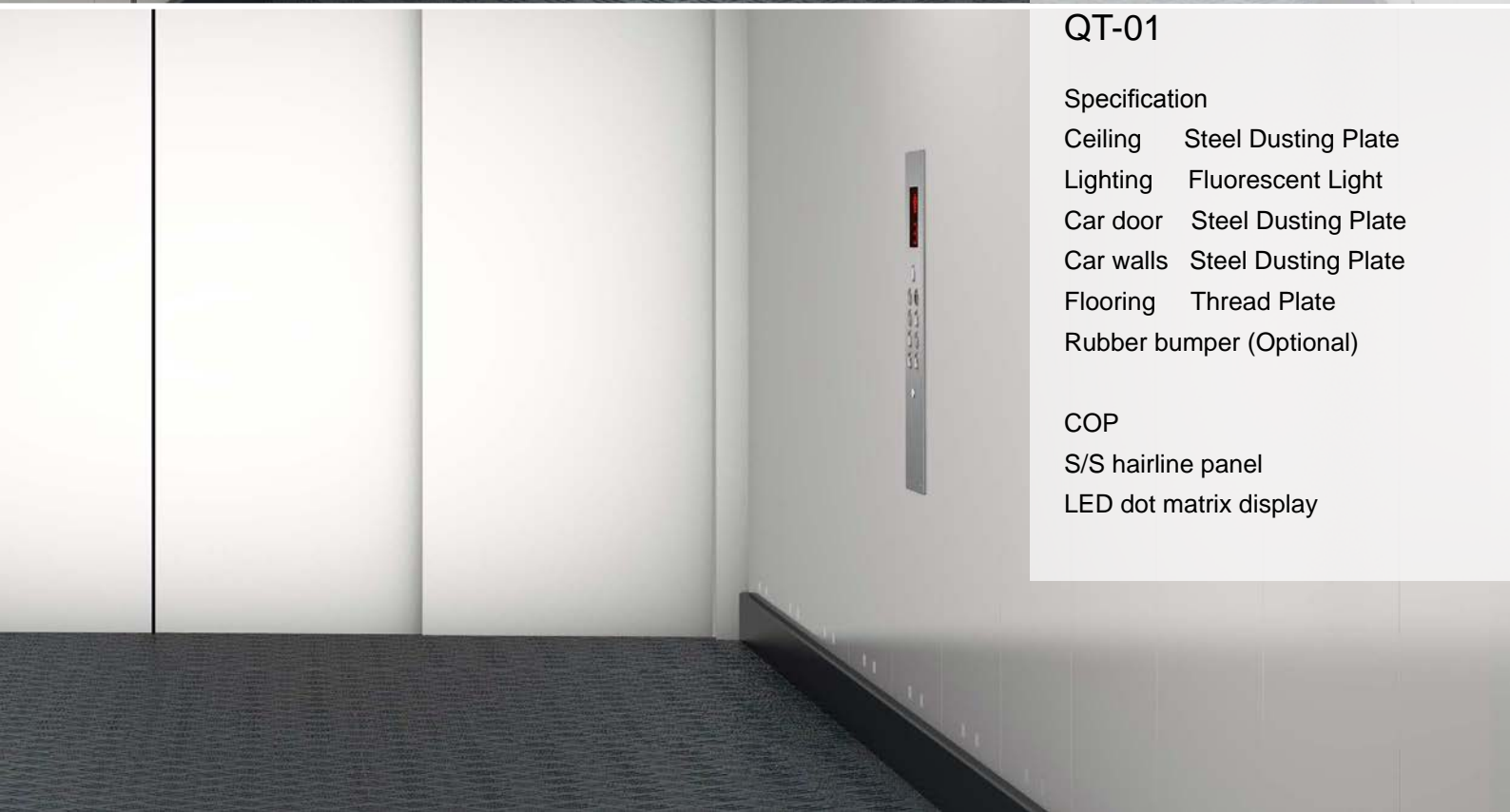


■ 3D Multi-beam

Considering the special requirements of vehicles, VERTISPACE® Series Cargo Lift is equipped with 3D Multi-beam to ensure that the car is well protected during entrance/exit from the elevator.

■ Ergonomic Car Operating Panel

Position of car operating panel in the lift is lowered for the convenience of the driver to operate the elevator at the comfort of his car.



QT-01

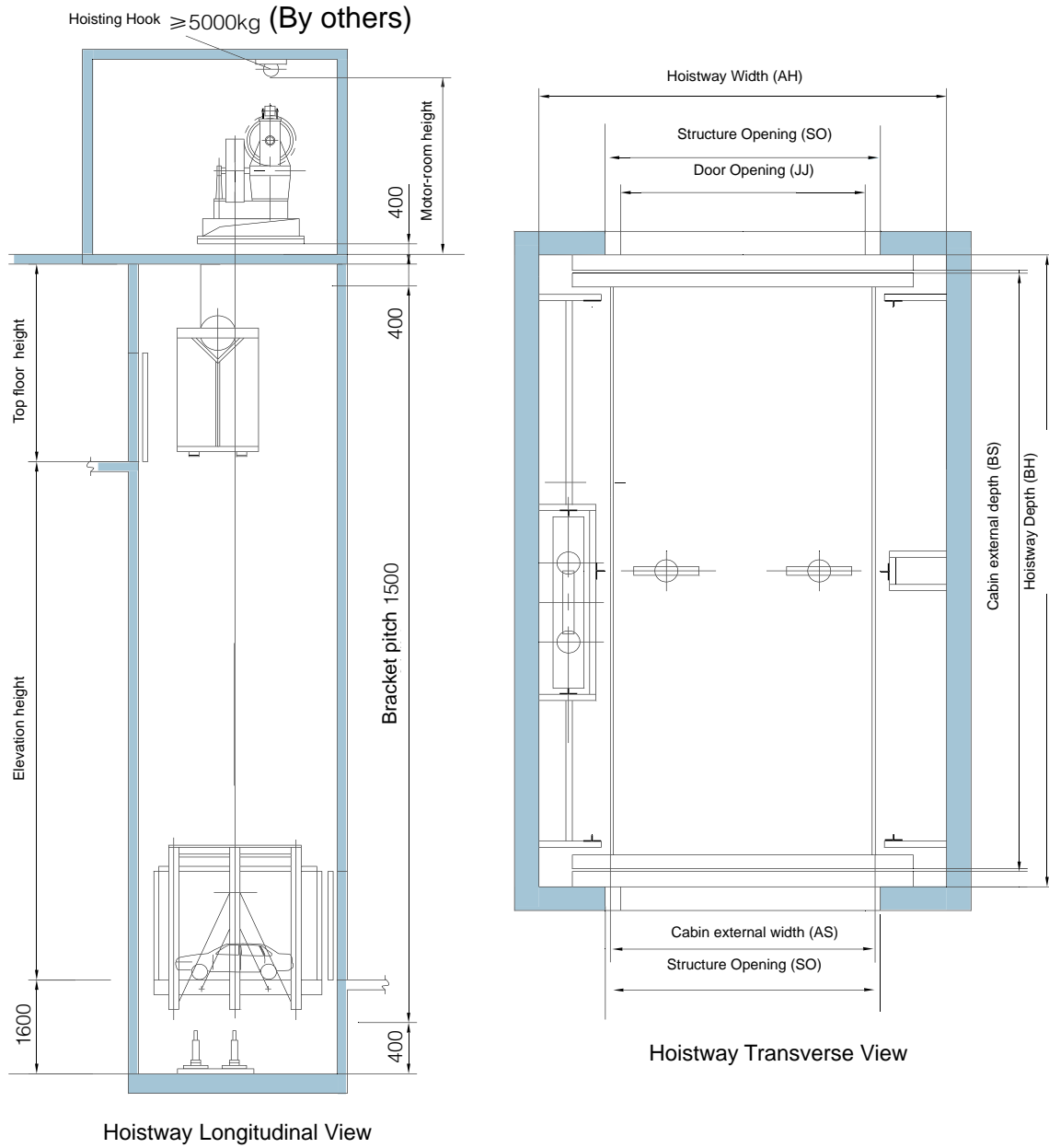
Specification

Ceiling	Steel Dusting Plate
Lighting	Fluorescent Light
Car door	Steel Dusting Plate
Car walls	Steel Dusting Plate
Flooring	Thread Plate
Rubber bumper (Optional)	

COP

S/S hairline panel
LED dot matrix display

VT-XZ8000 Series Car Lift Floor Plan

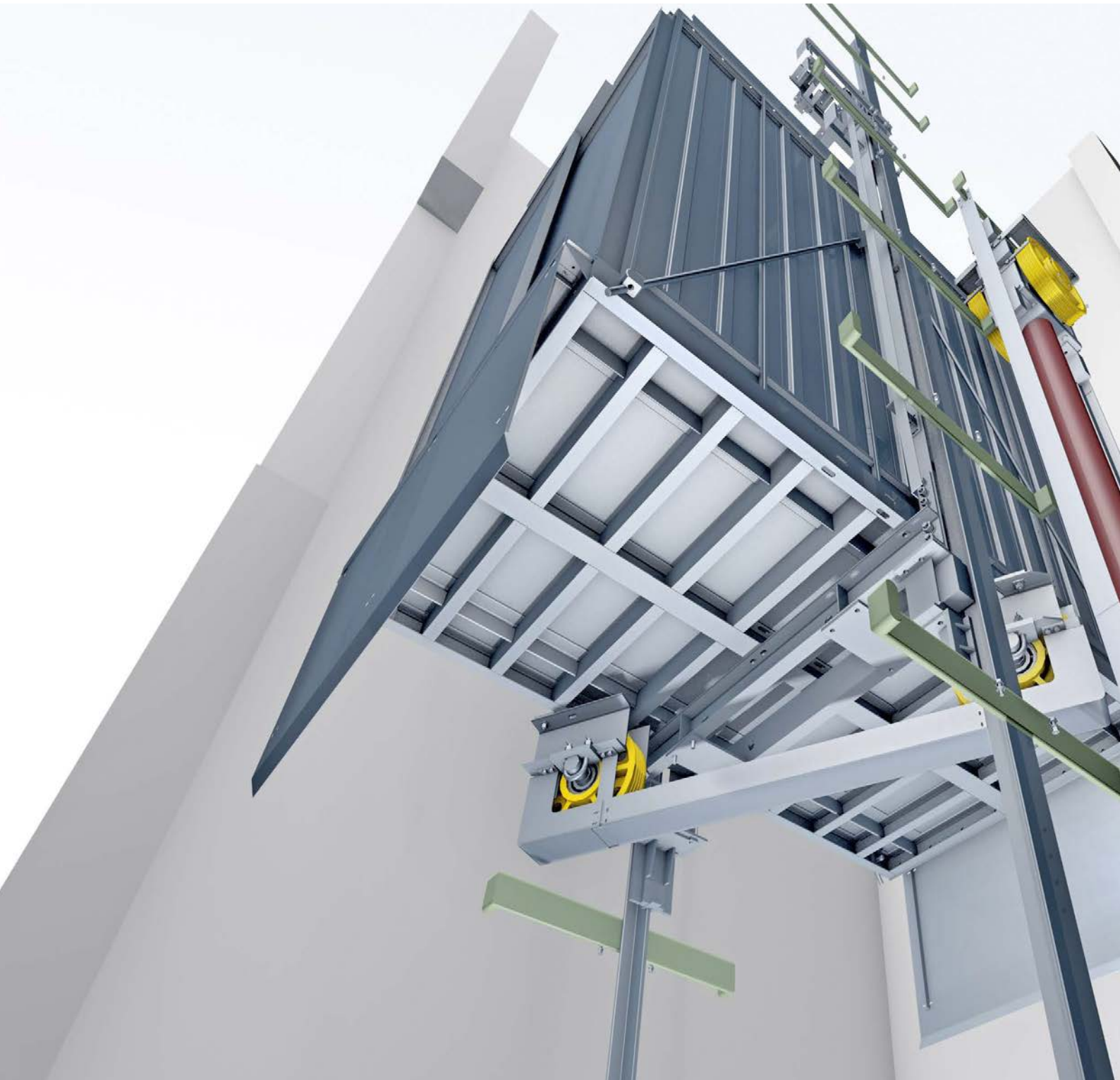


Model	Speed m/s	Capacity /Kg	Door opening (JJxHH)	Cabin external dimention ASxBS	Hoistway dimension (AHxBH)	Motor-room dimension (AMxBM)	Motor-room Height (HM)	Pit depth (PP)	Overhead height (OH)
8000-QT-30-05	0.5	3000	2400x2200	2600x6000	4000x6300	4000x6300	2500	1600	4600
8000-QT-50-02	0.25	5000	2600x2200	3500x6000	4600x6300	4600x6300	2500	1600	4600
9000-QT-30-05	0.5	3000	2400x2200	2600x6000	4000x6300	4000x6300	2500	1600	4600
9000-QT-50-02	0.25	5000	2600x2200	3500x6000	4600x6300	4600x6300	2500	1600	4600

VT-XZ Series Hydraulic Cargo Lift

Hydraulic cargo lift uses hydraulic ram in place of a traction machine to manoeuvre the elevator. It is suitable for places where no major elevation is required such as garages, car parks, boat quays, factories, diving platform, oil rig/platform and etc.

Being able to distribute the speed of the elevator evenly, hydraulic cargo lift is able to vary the speed of elevator smoothly, enhancing the safety and reliability of the elevator.



■ Energy-saving Design

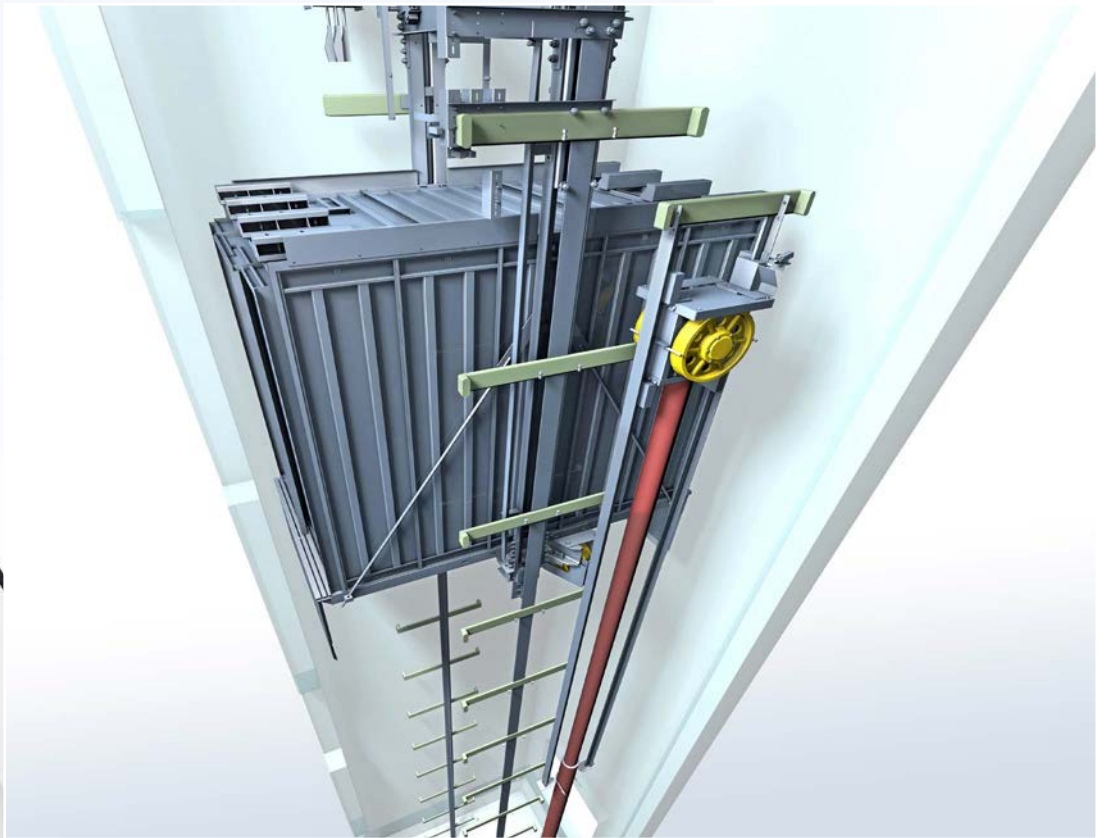
Our imported pump station and oil tank ensure smooth operation of the lifts, utilising low startup electric current. To further reduce energy wastage, our down-running elevator is able to generate electricity to power itself, saving a great deal of energy.

■ Smooth and Safe Operation

On top of low-noise screws, our hydraulic rams are also equipped with good electro-hydraulic control , keeping noise levels to its' minimum.

■ Spacious

Utility of hoistway with no special structures needed, hydraulic ram works from the foundation of hoistway where load force is measured saving large areas of space. Furthermore, installation of motor-room can be anywhere within 20m vicinity from the hoistway, saving even more space.



VT-XZ Series Cargo Lift Standard Functions

Function	Description
Door holding time adjustment	The delay between door opening and door closing can be customized.
Reverse call cancel	When the lift is travelling towards a particular direction, calls for reverse direction will be cancelled.
Door-close delay protection	When the lift doors are opened for longer than the designated timing, the elevator will force close the lift doors to respond to other calls. However, if the lift fails to close the doors after a few attempts, the elevator will stop operating and open the doors. All calls will be cancelled until the monitoring system detects full closure of the lift doors will the elevator will then resume its normal operation.
Door-open protection	When door opening duration exceeds the preset timing, all calls will be cancelled and the elevator will be sent to the nearest landing floor to let the passengers out.
Door-close protection	When the door cannot be fully closed within pre-designated period, elevator tries to close the door again. If the lift fails to close for more than 3 times, it will enter protection mode. When the lift detects normal door closing, it will resume its operation.
Overload bypass	When car is fully loaded, it will only respond to car calls and bypass all hall calls.
Lift switch	When keys allocated on individual floors switch, the elevator will respond to all calls before returning to the designated floor, simultaneously switching to energy-saving mode, cutting off in-car lighting and switching on the lights to the exterior on-off switch.
Auto-docking	After serving all calls, the elevator returns to the pre-designated standby floor.
Standby floor	A standby floor can be designed, which serves as an automatic returning function.
Car-top inspection	Lift maintenance become more efficient and safe with the installation of car top inspection.
Auto turn-off car light & fan	When the elevator is not in use for pre-designated period, the light and ventilation fan in the car will be turned off automatically to conserve energy.
Overload protection	The system will activate an audio/ visual signal and prevent the elevator from moving when it is overloaded.
Door opening and closing button	The operating panel inside the elevator are installed with opening/closing button that allows the passenger to control the car doors opening time easily.
Hall and in-car direction indicator light	The hall call indicator panel and the in-car operating panel will have arrow shaped light lantern to inform the passenger on the elevator's running direction.
Floor no. display char set	System supports a wide variety of signals, letters and numbers for various floor indications.
2-wire/4-wire communication	Communication can be made with 2-wire or 4-wire system.
In-car alarm system	In the event of emergency, passengers can make use of the emergency alarm button to seek help.
Traction machine overheating protection	When the traction machine's operation temperature is higher than optimum value, system alarm will be activated and operation will cease.
Car call cancel	This function allows passenger to cancel the car call that is registered wrongly, by pressing the same button again, thus eliminating unnecessary stops.
Auto-leveling	When the elevator reaches its destination, the car doors will open automatically.
Fault recovery	When power supply is recovered, elevator is unable to determine the location or signals. The elevator will move to the nearest floor to re-determine the location and restore normal operation.
Top floor protection	When the elevator reaches the top floor, the system will force the elevator speed to reduce the preset speed.
Torque compensation	For greater comfort level during the start-up of the elevator, the elevator system will compute the car load and optimize using torque compensation.
Emergency lighting	An emergency light will be activated automatically when power failure occurs.
Door opening and closing buttons	When the door close/ open button is depressed, the button will light up to indicating that the function is activated.

VT-XZ Series Cargo Lift Optional Functions

Function	Description
In-car attendant operation	After activation, the attendant can control the passengers' load, the unanswered hall calls, doors open and close timing etc.
Door open prolong button	When this button on the car operating panel is pressed, the elevator doors stay open for a preset period of time.
Fire emergency operation	In the event of fire, the elevator will automatically return to its designated floor where it remains inoperative for passenger safety.
Independent operation	Upon activation, the elevator can only respond to car call selection ignoring hall call commands.
Emergency electric control cabinet	Emergency device is installed in the control cabinet of the motor room for emergency rescue.
Arrival gong	An electronic chime would ring just before the arrival of the elevator.
Duplex control	Fully automatic operation used for a two elevator system. Calls are responded to by whichever car that can serve the call faster. When there is no call, one of the cars will standby at the starting floor while the other car stops at the pre-designated floor.
Emergency Evacuation Device	In the event of power failure, the system changes over to battery power to bring the elevator to the nearest floor to prevent passengers from being trapped inside. Simultaneously, an automated announcement will be activated to inform passengers.
Attendant bypass	In the event when cues are received from inside and outside of the elevator, passengers inside the lift will have priority to get served first.
Fire alarm indicator	In the event of the fire alarm being activated, there will be indication (message) in the elevator.
Micro-leveling	Automatic correction of the elevator landing level when subjected to vary car load.