

Syney

Syney Electric Group Co., Ltd.

Web : www.syney.net

24-Hour Service Hotline

400-826-7608

Cargo Elevator

Address : No.31 Yangcheng Road, Nanyang Economic Development Area,
Xiaoshan District, Hangzhou, Zhejiang, China.

Address : In Starship Industrial Super Factory, Wujiang Avenue, Fenhu
Hi-Tech Zone, Suzhou, Jiangsu

Japan-Osaka (Office)

Tel: 06-6335-9685

Address : 15-9 3F, Nishitenman 5-chome, Kita-ku, Osaka, Japan



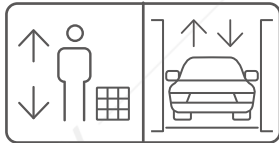
Attention

The construction units who are in charge of installation, modernization, repair and regular maintenance must obtain ‘Installation, Alteration, Repair & Maintenance License of Special Equipment’ and only do corresponding works in accordance with work permission range. Elevator regular maintenance construction units must obtain elevator maintenance permission license.
Personnel requirement: mechanical or electrical engineers, with special equipment operation certificate.

This catalog is just regular information publication; we reserve the right to revise product design and explanation at any time.
We bear no responsibility on any words or meanings in this catalog, for any product or its usage and quality description, or any sales contract.
Due to the printing process limitations, the actual color might be different from the catalog. Final model shall refer to real material and color.

XN-023-09

Our Products Are Long-Standing Along With Your Buildings





Syney Brand

1963

Syney Germany was formerly known as Syney Bautechnische Beratung GmbH founded by Mr. Friedrich Sylvaine and Mr. Hoffman Gaultney in Bonn, North Rhine-Westphalia. To support federal Germany in post-war urban reconstruction and urban planning, Syney was then dedicated to exploring building technology solutions. During the past 60 years, Syney persevered in R&D of advanced technology and has always been a leading player in Europe in fields of elevator technology, building technology and energy saving and optimization technology.

2003

Based on the strategic planning of Chinese market, Syney cooperated with Chinese partner to establish Syney Elevator (Hangzhou) Co., Ltd., committed to providing Chinese customers with solutions to vertical and horizontal people flow transport.

2013

Based on the brand development and overall strategic planning, Syney Technologie (Deutschland) GmbH was officially upgraded to Syney GmbH; furthermore, elevator technology business in Asia-Pacific region got fully transferred to Chinese partner. Syney Elevator (Hangzhou) Co., Ltd. became the legal owner of Syney's all elevator technology patents in China and Syney brand in Asia-Pacific region.

Future

Syney is willing to join hands with our partners to explore optimal solutions to passenger transport in and between buildings, provide Chinese customers with the best products, technology and services, and establish new standard of ideal and comfortable living style.

Syney Electric Group Co., Ltd. is a professional elevator company integrating R&D, manufacture, sales, installation and service. With full set of high technologies, Syney specializes in the design and manufacture of many products including passenger elevator, panoramic elevator, Villa elevator, cargo elevator, Car elevator, Hospital elevator, escalator and moving walks, etc. Depending on advanced technologies, modern equipment, standardized management, precise brand positioning and perfect marketing & service network, Syney business keeps steady growth and the sales network extends to the whole country. Syney Electric Group Co., Ltd. has been one of the most competitive elevator companies in China.



50

The products have been exported to over 50 countries and regions in Europe, Asia, Africa and America.



4.6

The registered capital is RMB460 million



99000

Factory covers an area of 99,000 m²

Scope & Requirements

With advantages of being safe and reliable, high structure strength, enduring, smooth running and wide open width etc., Syney cargo elevator is becoming the perfect choice to transport goods in factory, warehouse, shopping mall, logistic center and exhibition center etc., and able to work under any strict working condition.



MR Cargo Elevator

Applicable to

- Low and medium rise buildings

Production Range of Application

- Rising height ≤ 45m
- Rated capacity ≤ 15000Kg

MRL Cargo Elevator

Applicable to

- Low and medium rise buildings

Production Range of Application

- Rising height ≤ 45m
- Rated capacity ≤ 5000Kg

● See page P5 for details

Application Range & Load Type

Wide Application with Ride Stability and Comfort

- Advanced vector control technology, excellent motor speed regulation performance, improve ride comfort. Direct parking technology, improve the efficiency of elevator operation.
- The pre torque starting technology makes the elevator start more stable.
- The controller structure is compact and drivers adopts 6th generation PIM module, which endures high temperature to 175 C.
- Dual 32 bits embedded micro-processing chips fulfill elevator function and motor drive controls together, which enable the elevator to run continuously with heavy load, be steadier and more smooth with shock absorption and reduces electromagnetic noise.

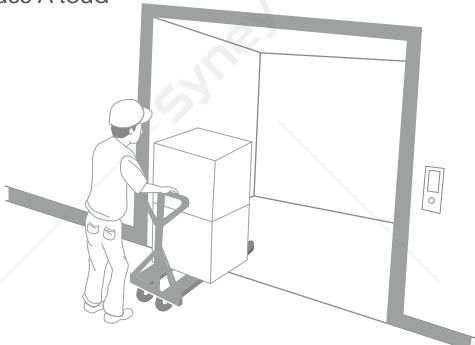
(Applicable range & Load type)

Type	Load (Kg)	Rated Speed V(m/s)	Application	Travel Height(Max) TH(m)	Max.No.of Stops	Load Type
Cargo Elevator	1600	0.25	Logistics / Exhibition Center Factory / warehouse Shopping malls / supermarkets Automobile service shop 4S / Underground garage	TH≤12	5	A
	2000					A
	3000					A、C
	4000					A、C
	5000					A、C
	1600	0.5		TH≤25	8	A
	2000					A
	3000					A、C
	4000					A、C
	5000					A、C
	1600	1.0		TH≤45	16	A
	2000					A
	3000					A、C
	4000					A、C
	5000					A、C
	6000	0.5		TH≤25	8	A、C
	7000					A、C
	8000					A、C
	9000					A、C
	10000					A、B、C
	15000					A、B、C

Load type

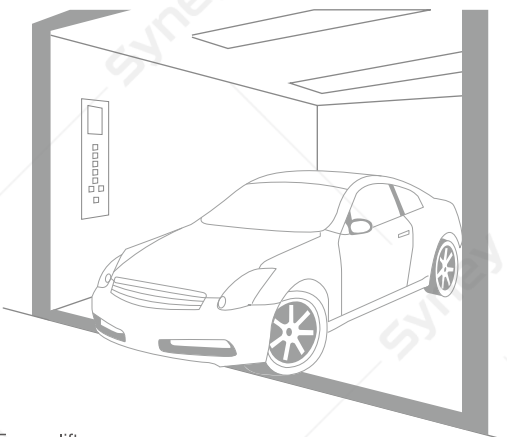
Different elevator applications, different load type.

Class A load



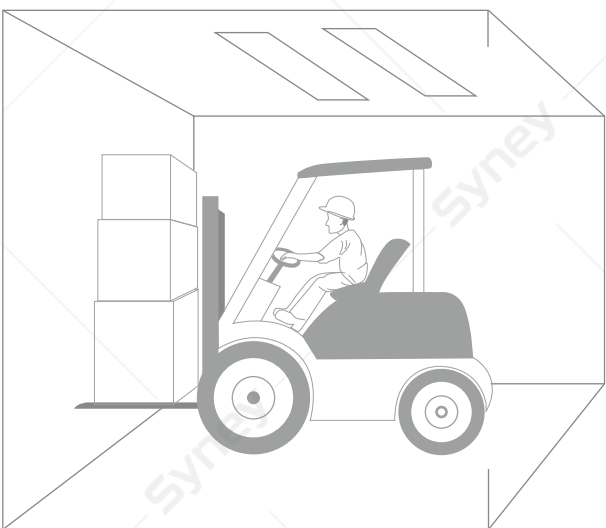
The goods shall be evenly distributed on the car platform by manual loading and unloading or with the help of small trolley. Goods centralization at any single special points on the car platform is not allowed, like at certain corner, single goods weight shall not be more than 25% of rated load capacity.

Class B load



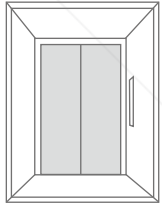
For car lift.

Class C load



Industrial truck transportation, at which carrier can be transported along with elevator, the overall goods weight together with the carrier weight shall not exceed elevator rated load capacity.

Note:
Please select appropriate rated load and load type (A/B/C) when placing the order.
We are not being responsible for any problems caused by overload or improper operations not following load type.



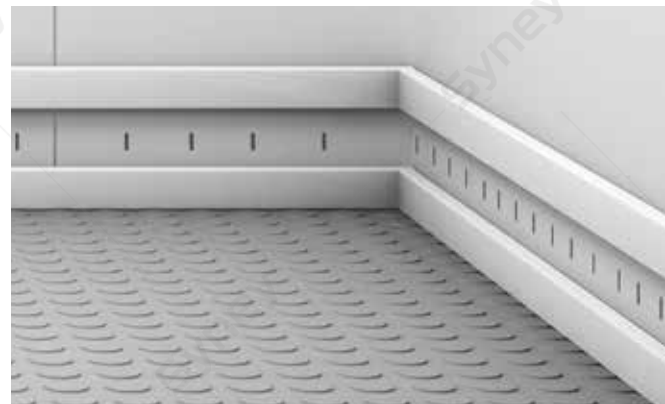
Cabin / Cargo Elevator



21H001 | Standard

- Ceiling : Painted Steel Plate+Downlight+Fan
- Car Wall : Painted Steel Plate
- Flooring : Anti-skid Checkered Steel Plate
- Front Wall : Painted Steel Plate
- Car Door : Painted Steel Plate

Bumper Strip(Optional)



Landing Door(Optional)



21TM058 | Beige

21TM057 | Light Grey

Ceiling



HOP



21ZH010 | Standard



21ZH009 | Optional

COP



21CZ001

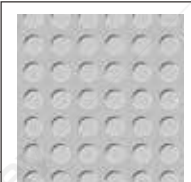
Car Wall(Optional)



Hairline stainless steel

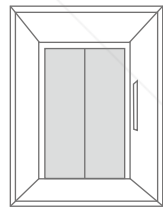
HD (Customizable)

Flooring(Optional)



Stud rubber

Ceiling Light Color Temperature	3000K		4200K		6500K	
	○		○		●	
Cargo Elevator Load Capacity	1000KG	2000KG	3000KG	4000KG	5000KG	7000KG
Optimal Height	2300	2300	2300	2300	2300	2300
Max. Height	2800	2800	2800	2800	2800	2800



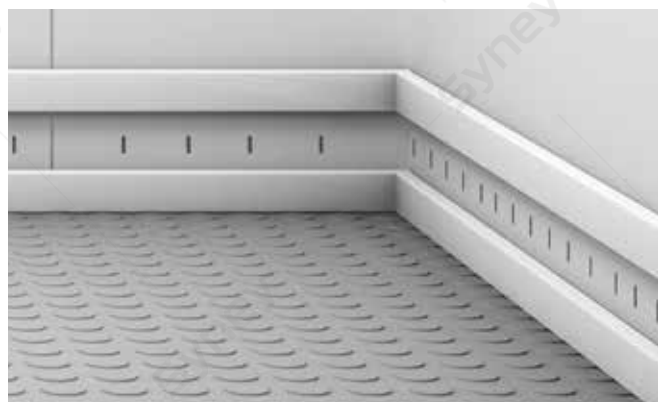
Cabin / Cargo Elevator



21H002 | Standard

- Ceiling : Painted Steel Plate+Acrylic+LED Light
- Car Wall : Painted Steel Plate
- Flooring : Anti-skid Checkered Steel Plate
- Front Wall : Painted Steel Plate
- Car Door : Painted Steel Plate

Bumper Strip(Optional)



Landing Door(Optional)

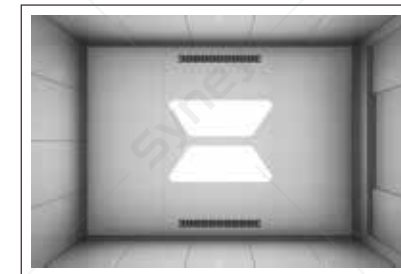


21TM058 | Beige



21TM057 | Light Grey

Ceiling



HOP



21ZH010 | Standard



21ZH009 | Optional

COP



21CZ001

Car Wall(Optional)

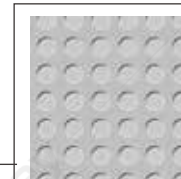


Hairline stainless steel

HD (Customizable)

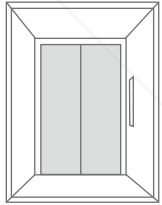


Flooring(Optional)



Stud rubber

Ceiling Light Color Temperature	3000K		4200K		6500K	
	○		○		●	
Cargo Elevator Load Capacity	1000KG	2000KG	3000KG	4000KG	5000KG	7000KG
Optimal Height	2300	2300	2300	2300	2300	2300
Max. Height	2800	2800	2800	2800	2800	2800



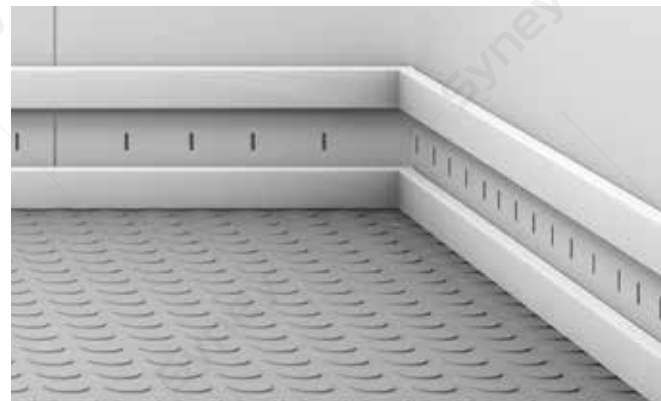
Cabin / Cargo Elevator



21H003 | Optional

- Ceiling : Hairline St.St.+Downlight +Decorative Light
- Car Wall : Hairline St.St.
- Flooring : Anti-skid Checkered Steel Plate
- Front Wall : Hairline St.St.
- Car Door : Hairline St.St.

Bumper Strip(Optional)



Landing Door(Optional)



Ceiling



HOP



21ZH010 | Standard



21ZH009 | Optional

COP



21CZ001

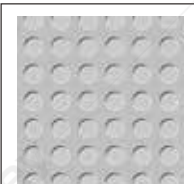
Car Wall(Optional)



Painted steel plate

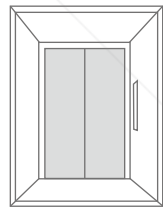
HD (Customizable)

Flooring(Optional)

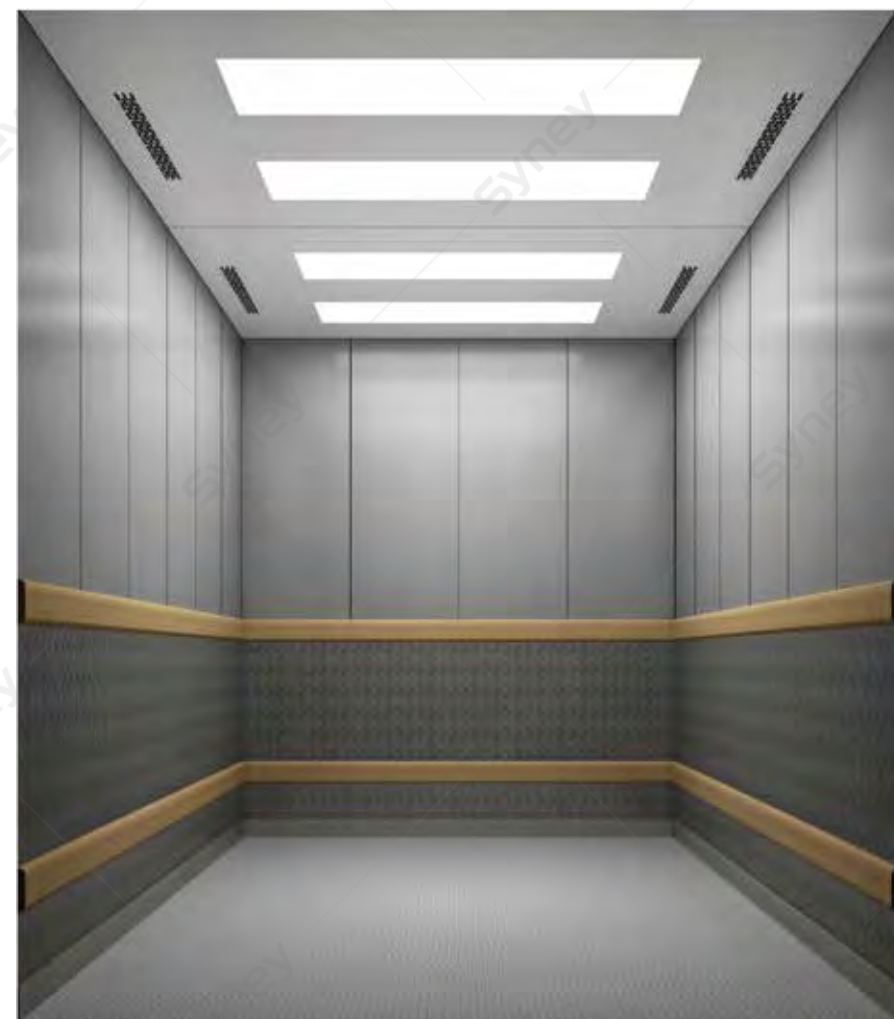


Stud rubber

Ceiling Light Color Temperature	3000K		4200K		6500K	
	○		○		●	
Cargo Elevator Load Capacity	1000KG	2000KG	3000KG	4000KG	5000KG	7000KG
Optimal Height	2300	2300	2300	2300	2300	2300
Max. Height	2800	2800	2800	2800	2800	2800



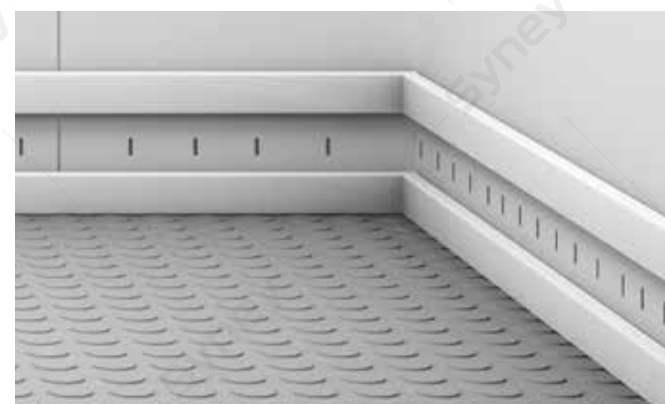
Cabin / Cargo Elevator



21H004 | Optional

- Ceiling : Painted Steel Plate+Acrylic+LED Light
- Car Wall : Hairline St.St.+Anti-skid Steel Plate +Wood Guardrail
- Flooring : Anti-skid Checkered Steel Plate
- Front Wall : Hairline St.St.
- Car Door: Hairline St.St.

Bumper Strip(Optional)



Landing Door(Optional)



21TM058 | Beige

21TM057 | Light Grey

Ceiling



HOP



21ZH010 | Standard



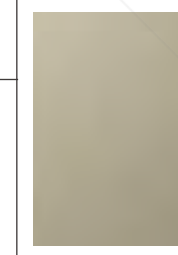
21ZH009 | Optional

COP



21CZ001

Car Wall(Optional)

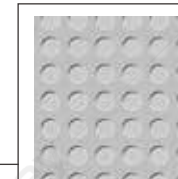


Painted steel plate

HD (Customizable)

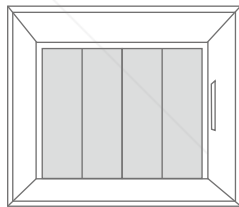


Flooring(Optional)

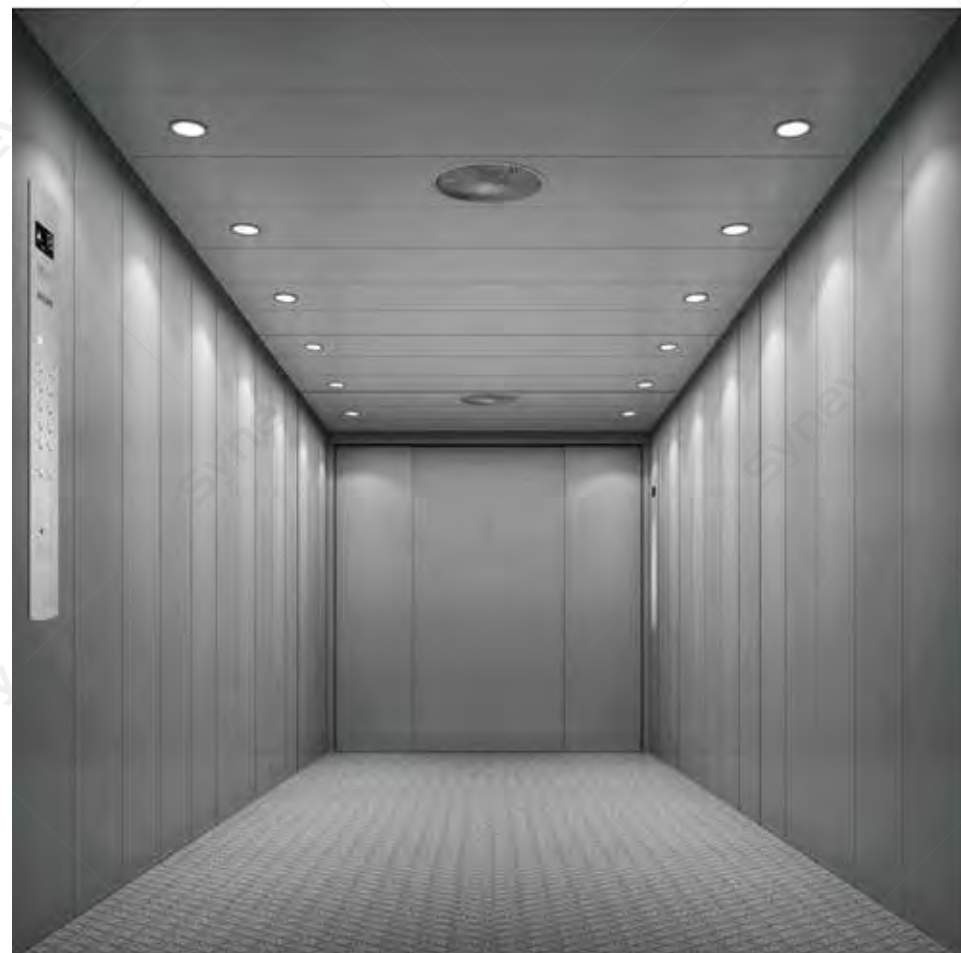


Stud rubber

Ceiling Light Color Temperature	3000K		4200K		6500K	
	○		○		●	
Cargo Elevator Load Capacity	1000KG	2000KG	3000KG	4000KG	5000KG	7000KG
Optimal Height	2300	2300	2300	2300	2300	2300
Max. Height	2800	2800	2800	2800	2800	2800



Cabin / Heavy Load Cargo Elevator

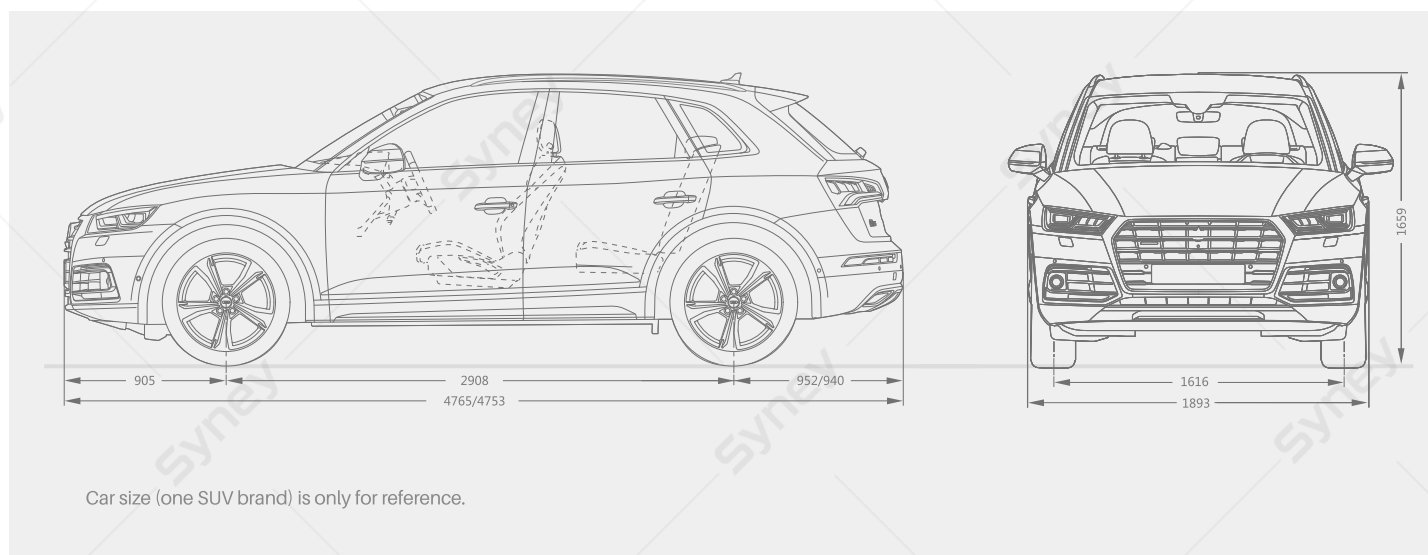


SYNEY heavy load freight elevator adopts advanced technology, which fully guarantees the transportation needs of large-volume and heavy-duty goods (including cars), and makes access safer and more reliable. It can be widely used in factories, warehouses, shopping malls, parking lots and other places.

21H008

- Ceiling : Painted Steel Plate+Downlight+Fan
- Car Wall : Painted Steel Plate
- Flooring : Anti-skid Checkered Steel Plate
- Front Wall : Painted Steel Plate
- Car Door : Painted Steel Plate

Example of car size:



Landing Door(Optional)

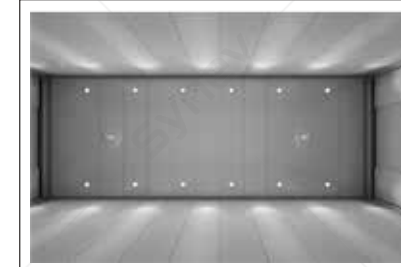


21TM058 | Beige



21TM057 | Light Grey

Ceiling



Car Wall(Optional)



Hairline stainless steel

HOP



21ZH010 | Standard



21ZH009 | Optional

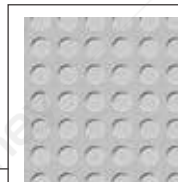
COP



21CZ001



Flooring(Optional)



Stud rubber

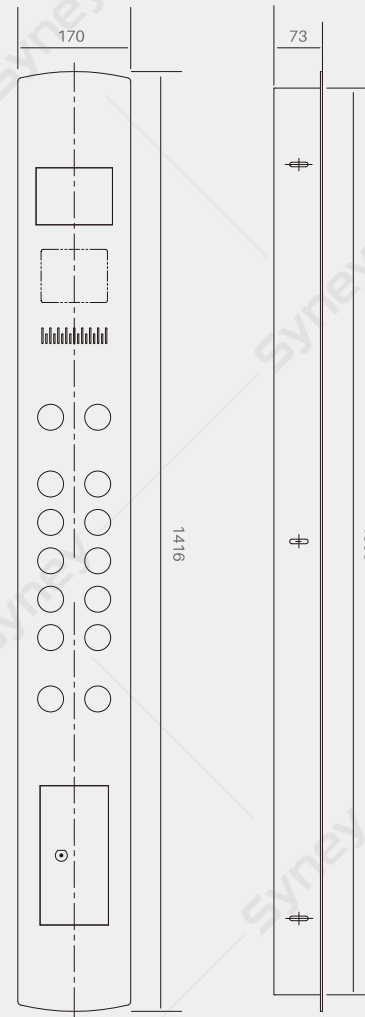
Ceiling Light Color Temperature	3000K		4200K		6500K	
	○		○		●	
Cargo Elevator Load Capacity	1000KG	2000KG	3000KG	4000KG	5000KG	7000KG
Optimal Height	2300	2300	2300	2300	2300	2300
Max. Height	2800	2800	2800	2800	2800	2800



COP



21CZ001



Display Mode:
LCD Display

HOP

Customizable according to users' needs



21ZH010 | Standard



21ZH009 | Optional



21ZH025 | Optional



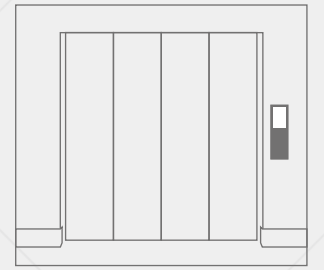
21ZH007 | Optional



21ZH011 | Optional



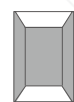
21ZH015 | Optional



Focusing on practicability and convenience, perfectly blend functions into overall solutions

Note:

- Panel made up of stainless steel+laminated glass
- Options: hairline, mirror, titanium mirror, titanium hairline etc.



Cabin Wall



Hairline stainless steel | Optional



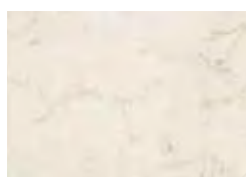
Painted steel plate | Standard



Cabin Flooring



Stud rubber



PVC



Anti-skid steel plate



Standard Colour



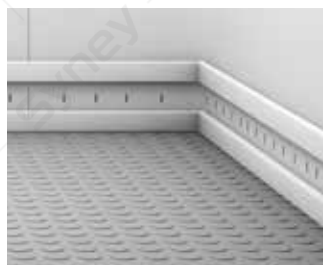
RAL7038 | Light Grey



RAL1015 | Beige



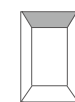
No bumper strip



Bumper strip | Optional

Note:

Colors materials and patterns in this catalog is only for reference. Final options shall refer to actual contract. Pls contact our sales representatives for any updated items.



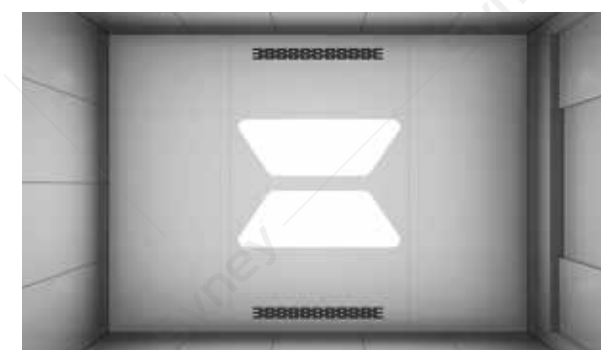
Cabin Ceiling

Being classic and concise, as well as durable



21DD101

Painted Steel Plate+Downlight+Fan



21DD102

Painted Steel Plate+Acrylic+LED Light+Axial Fan



21DD104

Painted Steel Plate+Acrylic+LED Light+Axial Fan



21DD106

Hairline St.St.+Downlight+Decorative Light+Axial Fan

PERFECT TECHNOLOGY

Safety First, Quality is Everything.

Syney cargo elevator conforms to the global safety standards, and invariably takes passengers and goods safety as the first element of structural design

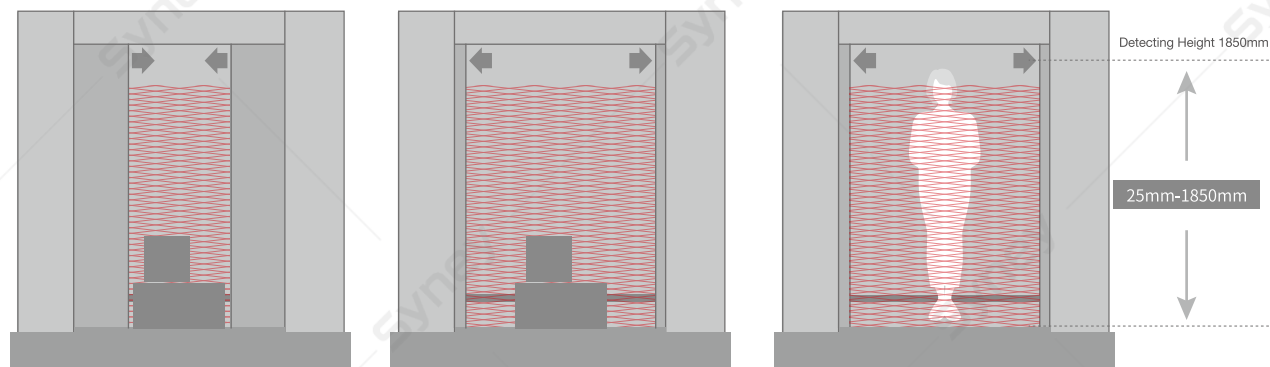
The benoing forming technology of high strength plate ensures the car to be strong and durable After multiple tests of destructiveness and rellability,it can meet the requirements of different working conditions.

Using four layer printed circuit structure and SMT mounting technology, supen corrosion resistant coating can adapt to any harsh working environment.

Infrared Light Curtain Protection



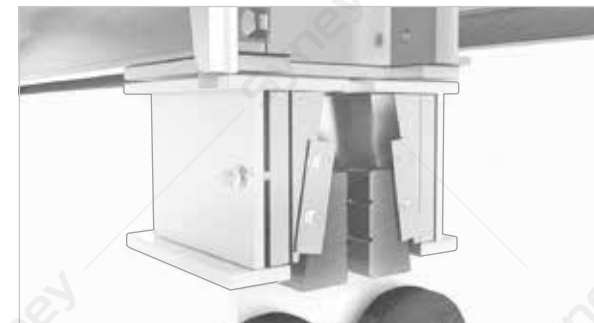
Detect 25mm-1850mm above the ground with infrared ray to ensure the safety of passengers or objects when getting in and out and greatly improve elevator safety.



The light curtain covers the whole width of the car door through the infrared beam to ensure the safety of passengers and goods in and out of the car. When the light curtain is blocked, that is to say, someone or object is coming in and out of the car, the elevator door that is being closed will quickly open automatically and keep the door open.

Overspeed Protection

When running speed surpasses 115% of rated speed, overspeed protection will be immediately activated and stop the elevator from running.



Speed Governor

When the elevator surpasses the action speed of speed governor, the speed governor will cut off the safety circuit to make sure elevator will stop running.



Stop at Other Floors

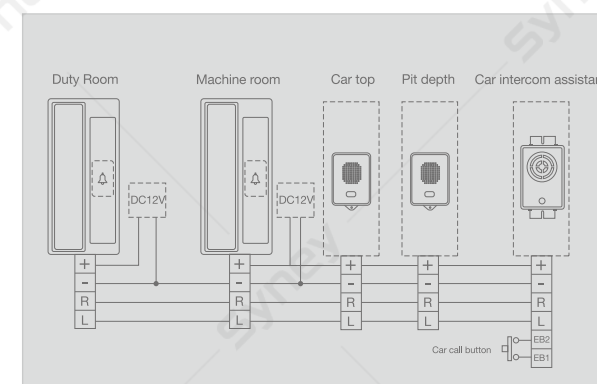
When the elevator cannot open doors normally due to some problems, it will automatically close the door, run to the nearest landing floor and open the door again, to avoid affecting the normal working of the elevator due to a certain floor opening failure.

Door Open Time Extended Function(Optional)

Door open time can be extended to make it convenient for special passengers or passengers with goods to get in and out.

Emergency Calling Function

Passengers can directly talk to the person in the machine room or duty room via cabin interphone (when equipped with 5-way intercom). Press the 'emergency calling' button on COP, the car top alarm bell will ring and inform the people on duty.



Operation When Fault Reported

The elevator might stop at the non-leveling area when fault reported; when fault removed or non-fundamental safety fault, the elevator will auto rescue to run under low speed to the nearest floor.

PERFECT TECHNOLOGY

Auto Rescue Device(Optional)

When sudden power-off happened during normal elevator running, the device will act immediately to drive the elevator to the leveling position at low speed and automatically open the door to evacuate the trapped passengers.



Overload Protection

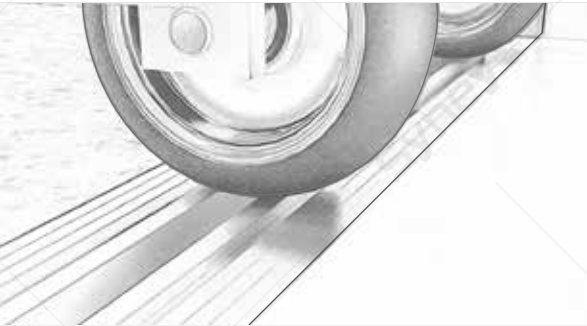
When cabin capacity is more than 110% of rated load,the elevator will maintain the door open and send voice alam. Only when the load reduced within 110% rated load will the elevator back to normal working condition.

Braking Force Self-test Protection

In order to avoid motor brake braking force lacking, it will self-test its braking force within 24 hours. If lacks of braking force, elevator will stop running.

UCMP Device

When the elevator makes an unintended movement at the door open area under open status, the device will immediately be activated to maintain the cabin to ensure passengers' safety.



Functions Of Elevator

● Standard ○ Optional

Collective selective	Shaft self study	Overspeed protection	●	
Inspection running	Service floor setting	Low speed protection	●	
Slow running for self-resure	Floor No. display setting	Leveling switch fault protection	●	
Test running	Attendant operation	CAN communication fault protection	●	
Time control	Display floor location, running direction, elevator status, etc information	Brake switch touch inspection	●	
Auto control for door holding time	Five way intercom	Shaft self-study diagnosis	●	
Landing door open	Self-correcting floor signal	Motor overheat protection	●	
Close door by close-button in advance	Lock elevator	Door switch fault protection	●	
Open door by open-button	Doors can't be opened outside of landing area	Door Lock disconnect protection during running	●	
Door type selection	Light curtain protection	Leveling minor adjustment	●	
Stop at other floor	Overload protection	The main floor door open hold function	●	
Car cancel wrong commands	Reverse running protection	Time period control floor service function	●	
Auto cancel commands when gose to reverse direction	Run time limiter	CAN communication interference assessment	●	
Directly stop	Speed-reducing switch fault protection	Encoder interference assessment	●	
Sleep mode, lighting and fan automatic power off	Terminal overtravel switch protection	Car debugging	●	
Auto return to ground floor	Contactora Contact Detect	Intelligent debugging	●	
Repeat close door	Safety loop fault protection	Car accidental movement protection	●	
Fault history record	Main control CPU WDT protection	Door bypass function	●	
Door Lock Circuit Detect			●	
Open door in advance	Seismic sensing function	Voice announcement function		○
Re-level operation when door open	Cabin arrival gong	Weight compensation		○
Auxiliary operation panel	Independent control of front and rear doors	Door open holding function		○
Rear COP operation	Auto rescue device	Car IC card floor service control		○
Hall IC card calling service control				○

PERFECT TECHNOLOGY

Highly Efficient System, Reliable and Endurable.

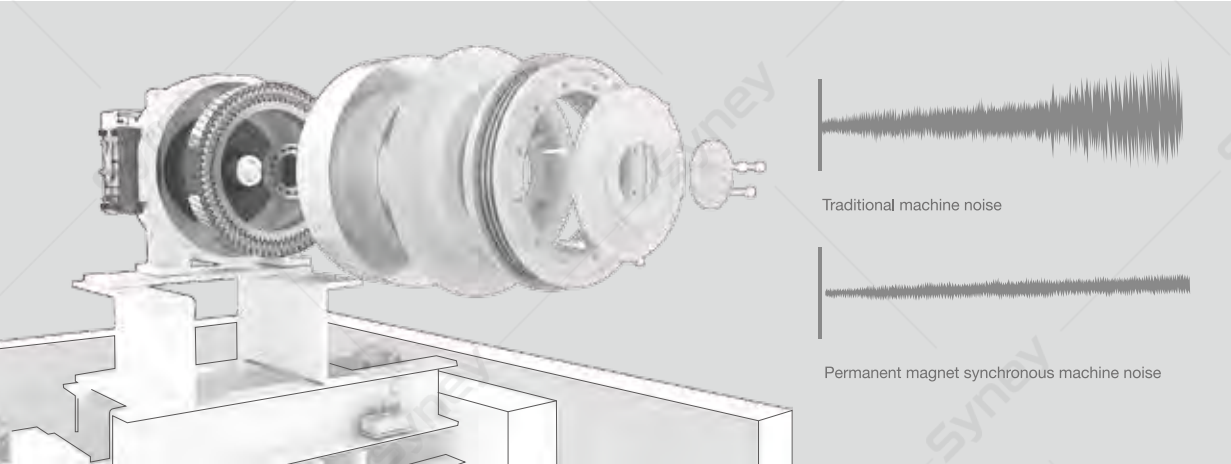
The high efficiency control system guarantees the elevator running in the whole running time, and the dual 32-bit processor makes the data operation complete instantly.

CAN bus communication make the whole control system wiring simple and easy and with further data transmission distance, stronger anti-interference capability and higher reliability.

The integrated control drive guarantees operation efficiency and enhances communication reliability.

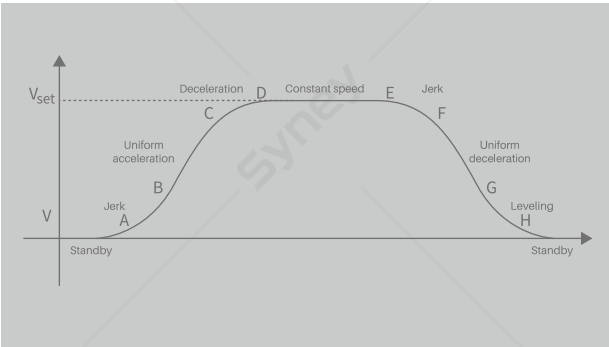
New Generation Permanent Magnet Synchronous Gearless Traction Machine

We adopt a new generation permanent magnet synchronous gearless traction machine which uses rare earth and synchronous axle rotating technology, converges technologies by combining digital variable frequency technology with group computer-integration control, to save running costs and lower energy losses.



Stable and Mute

VVF technology ensures perfect acceleration & deceleration curve during elevator running and reasonable running time between landing floors to make leveling more accurate. Controller adopts mute contact, which reduces noise pollution.



PW control, strong load capacity performance, direct start and stop, smooth running and comfortable riding.

High Definition COP

Buttons on COP are with optimized design and strong contrast, which helps to avoid blind selecting false floors. The big button is used to ensure convenience and accuracy.



LED Lighting



LED lighting device in car is beneficial to long-term use, the lighting is soft and bright, low-heat, safe, high efficient and no radiation, and automatically power off when elevator is standby, it is green and environmental protection.

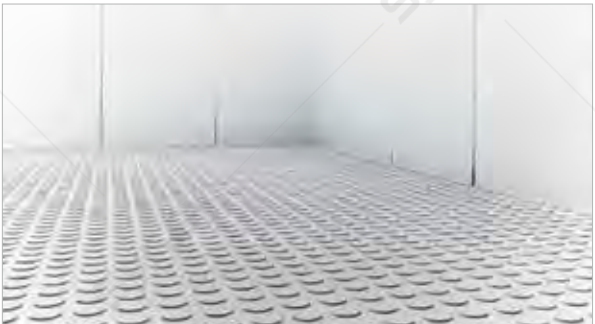
Voice Announcement(Optional)

Optional voice announcement will automatically remind when landed to avoid passengers going to false floors.

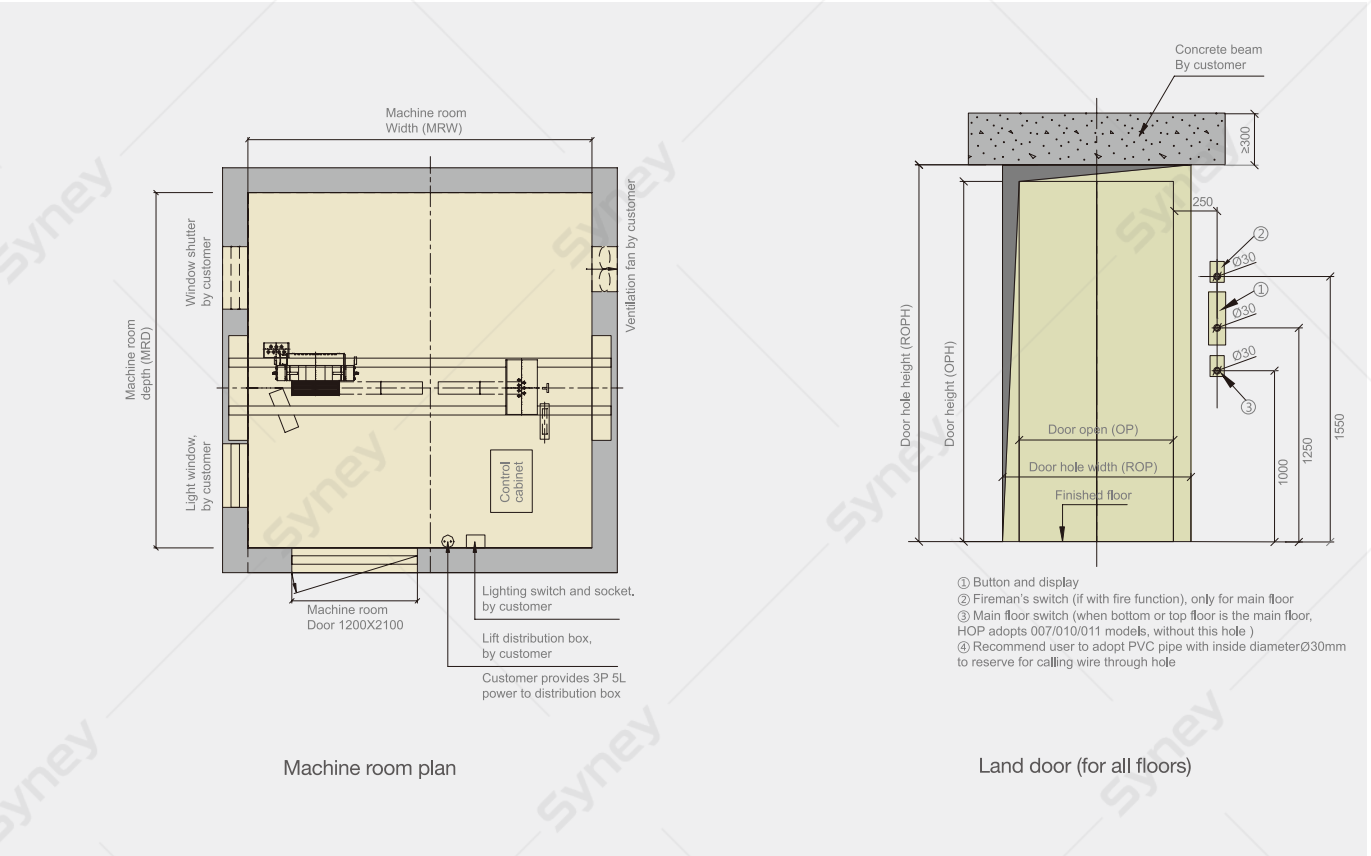
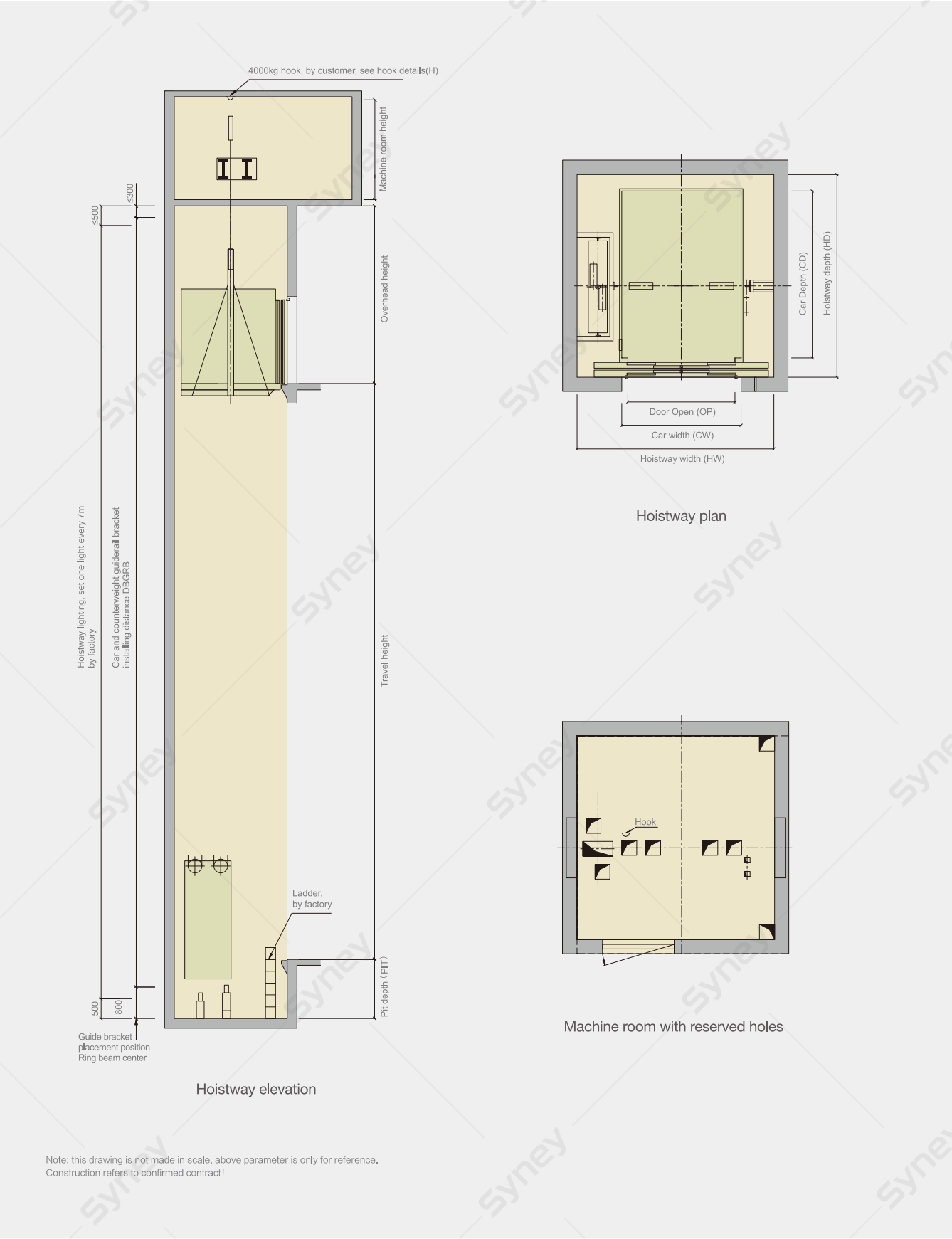


Anti-skid Floor

Anti-skid floor can effectively prevent the slippery on a rainy day, further ensure the safety.

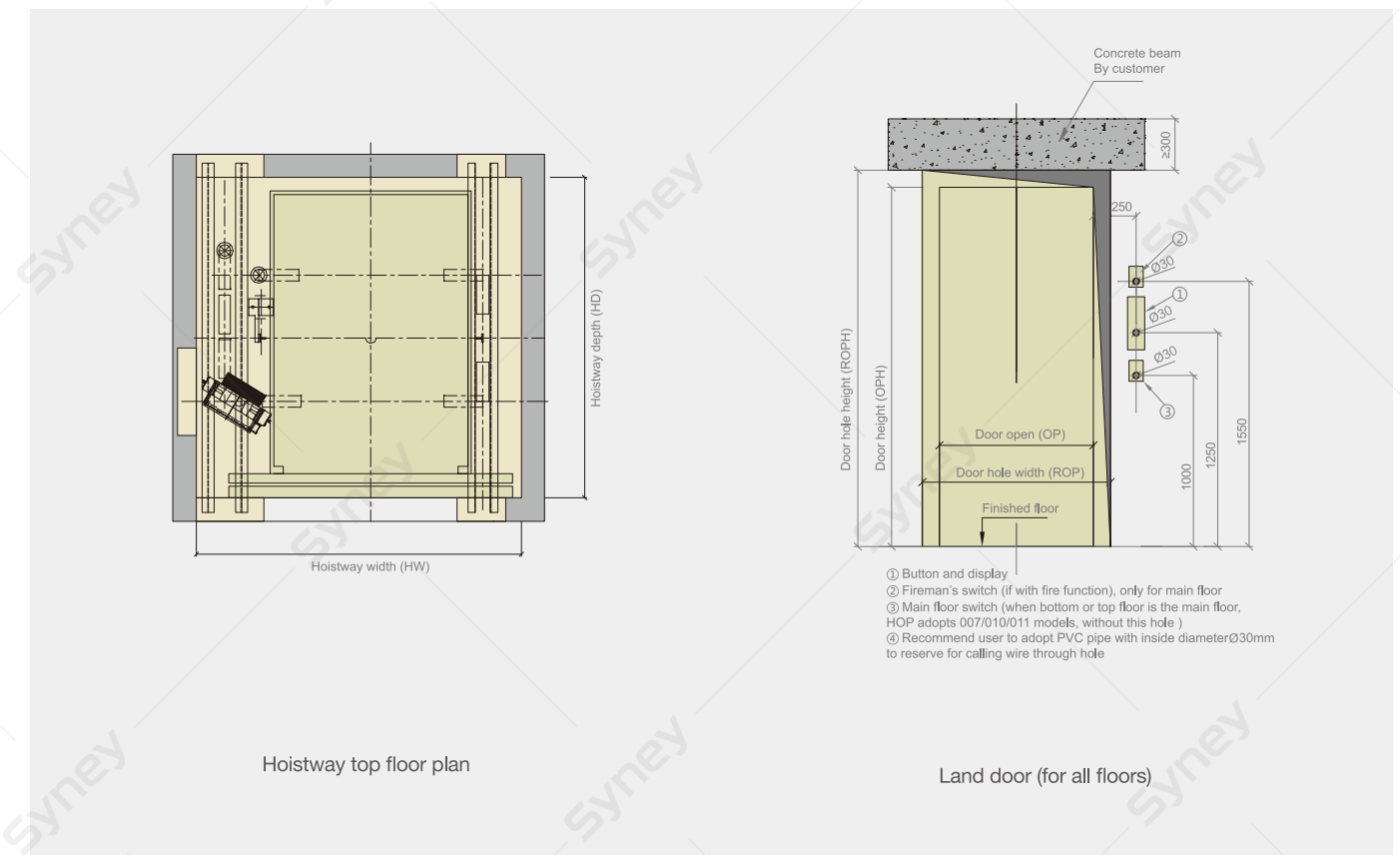


F2400
Cargo Elevaotr (MR)



F2400 (One cabin door , CWT side placed)

Elevator Data						Shaft Dimension		
Specification	Rated Load (Kg)	Rated Speed V(m/s)	Traction Ratio	Car Dimension Width*Depth*Height (mm)	Opening Door Width*Height (mm)	Hoistway Dimension Width*Depth (mm)	Hoistway Overhead (mm)	Pit Depth (mm)
F2400	1600	0.5	4:1	1700X2000X2300	1300X2100	2600*2500	4200	1300
		0.63						1300
		1						1400
	2000	0.5		2000X2000X2300	1500X2100	2900*2500	4200	1300
		0.63						1300
		1						1400
	3000	0.5		2000X2800X2300	1800X2100	3200*3300	4200	1400
		0.63						1400
		1						1400
	5000	0.5		2800X3100X2300	2400X2100	4200*3600	4300	1400
		0.63						1400
		1						1600
Note	1. Above specifications are for single door machine room gearless 4:1 cargo elevator, For load capacity 1600Kg-2000Kg door open will be side open; 3000Kg-5000Kg door will be 4-panel center open. Regarding special cabin, open way, through door or any load capacity not listed, pls contact our technician department. 2. If actual shaft specifications exceed above listed specifications, pls contact our technician department.							



Elevator Data						Shaft Dimension		
Specification	Rated Load (Kg)	Rated Speed V(m/s)	Traction Ratio	Car Dimension Width*Depth*Height (mm)	Opening Door Width*Height (mm)	Hoistway Dimension Width*Depth (mm)	Hoistway Overhead (mm)	Pit Depth (mm)
F2403	1600	0.5	4:1	1700X2000X2300	1300X2100	2700*2500	4500	1500
		0.63						
		1						
	2000	0.5		2000X2000X2300	1500X2100	3000*2500	4500	1500
		0.63						
		1						
	3000	0.5		2000X2800X2300	1800X2100	3350*3300	4700	1500
		0.63						
		1						
	5000	0.5		2800X3100X2300	2400X2100	4350*3600	5000	1650

Note

1. Above specifications are for single door machine room gearless 4:1 cargo elevator, For load capacity 1600Kg-2000Kg door open will be side open; 3000Kg-5000Kg door will be 4-panel center open. Regarding special cabin, open way, through door or any load capacity not listed, pls contact our technician department.

2. If actual shaft specifications exceed above listed specifications, pls contact our technician department.