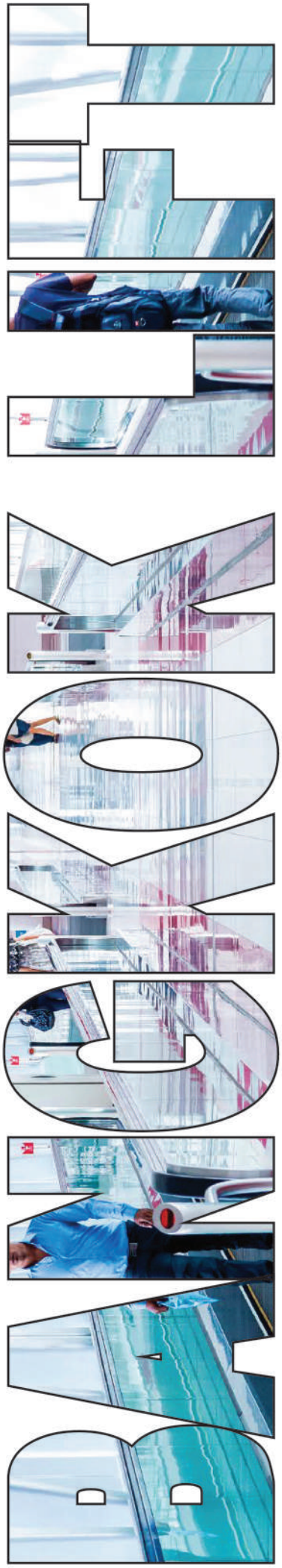


TO LEAD
THE INTELLIGENT ELEVATOR ERA

BANGKOK LIFT & CRANE CO., LTD.

TO CREATE A BETTER W OF BUILDIN TRANSPOR

WAY
IG
TATION

Optimal components safe and reliable products

More protection

Safety protection devices, such as safety tongs, speed limiters, and buffers, are locked around each other, providing multiple protection for passengers at all times, making passengers more comfortable.

Traction system

Driven by a new permanent magnet gearless traction machine, it has strong power and quiet operation. It has good effects of suppressing harmonic noise and reducing vibration, so that passengers have a peaceful and comfortable ride.

Door-motor system

The VVVF full digital frequency conversion door machine automatically decelerates in the post-closing stage, and the speed regulation is smooth and precise, which makes the switch door smoother and quieter.

Control system

The new control system integrates logic, safety, drive, power supply and other loop control, and has superior anti-interference ability and software and hardware fault-tolerant design to prevent accidents.

Full-range service trustworthy partner

From product design to manufacture, logistics, installation, delivery and use, XIWEI Elevator's intimate service throughout the product's life cycle ensures that you are relaxed and at ease in the whole process.

Customized design

Analyze the demand of passenger flow in building, provide technical support and reasonable customization solutions, such as professional hoistway planning and product configuration.

Professional installation

Professional engineering team, rich experience and scientific project management process can ensure the rapid and safe installation and delivery of your project.

Scientific maintenance

Provide reasonable maintenance plan and equipment maintenance plan according to your needs and equipment status.

07

Small machine room passenger elevator

Stable and quiet

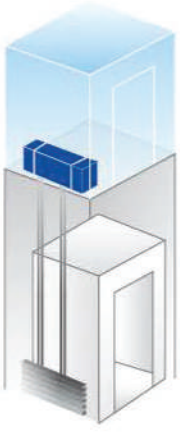
Lower motor speed can reduce the elevator noise and make the elevator run more smoothly.

Energy saving

PMS gearless machine can realize the lower energy consumption and higher efficiency.

Compact structure

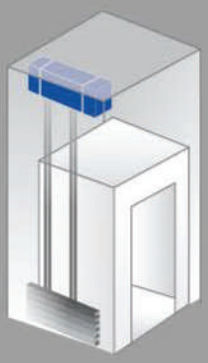
The area of the machine room is reduced by 40% compared with the traditional traction elevator, which can reduce the comprehensive use cost of the building.



Small machine room

Machine roomless passenger elevator

Modal 3300L machine roomless passenger elevator integrates the elevator control cabinet and drive system into the hoist-way and completely releases the space occupied by the machine room



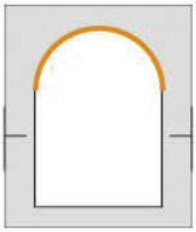
Machine roomless

Panoramic elevator

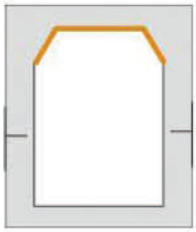
Panoramic elevator not only meets the demands of passengers but also endows the elevator with a fashionable and flexible appearance, thus making the building a dazzling landscape in the city. It is widely applicable for various public buildings and places in the cities such as the hotel, office building, shopping center, etc.

Rich styling

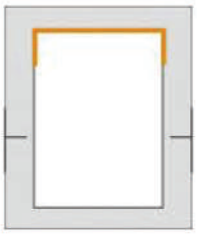
Square, circular and polygon tempered glass structure guard in beautiful styling enable you to enjoy the landscape outside the elevator from multi-angles.



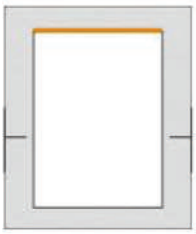
Semicircular



Diamond



Square



Outlook type

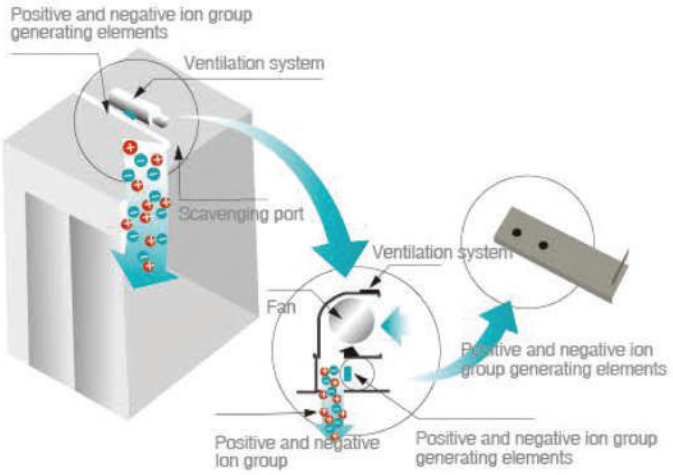
High quality observation wall

It uses high security laminated glass with good permeability, so that you feel the world unprecedentedly open and clear.

B&C

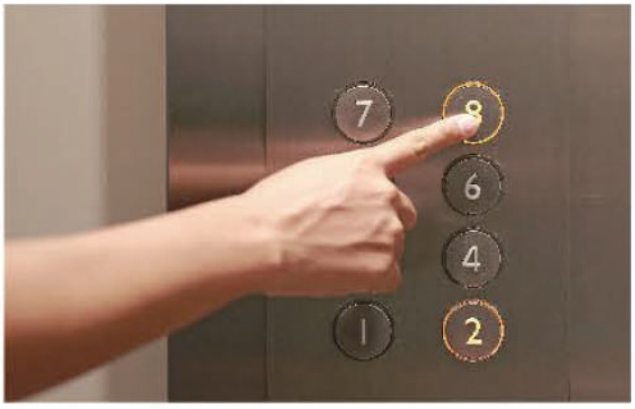
Ultraviolet automatic sterilization

When the elevator is in no-load, the ultraviolet sterilization device is automatically activated to effectively kill bacteria and ensure the cleanliness of the car and the health of users.



Delay closing button

One button to extend the closing time allows medical staff, especially those with disability to enter safely.



Passenger elevator car

XW-K06

Standard

Scan the QR code to know more about the lift car in the 360-degrees manner

Ceiling: Hairline stainless steel frame, acrylic transparent plate, LED lights
Car wall: Mirror, etching, hairline
Handrail: Stainless steel round handrail
Floor: Artificial marble/PVC

XW-K07 Standard

Ceiling: Hairline stainless steel frame, LED lights
Car wall: Mirror, etching, hairline
Handrail: Stainless steel round handrail
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K08 Standard

Ceiling: Hairline stainless steel frame, LED lights
Car wall: Mirror, hairline
Handrail: Stainless steel round handrail
Floor: Artificial marble/PVC

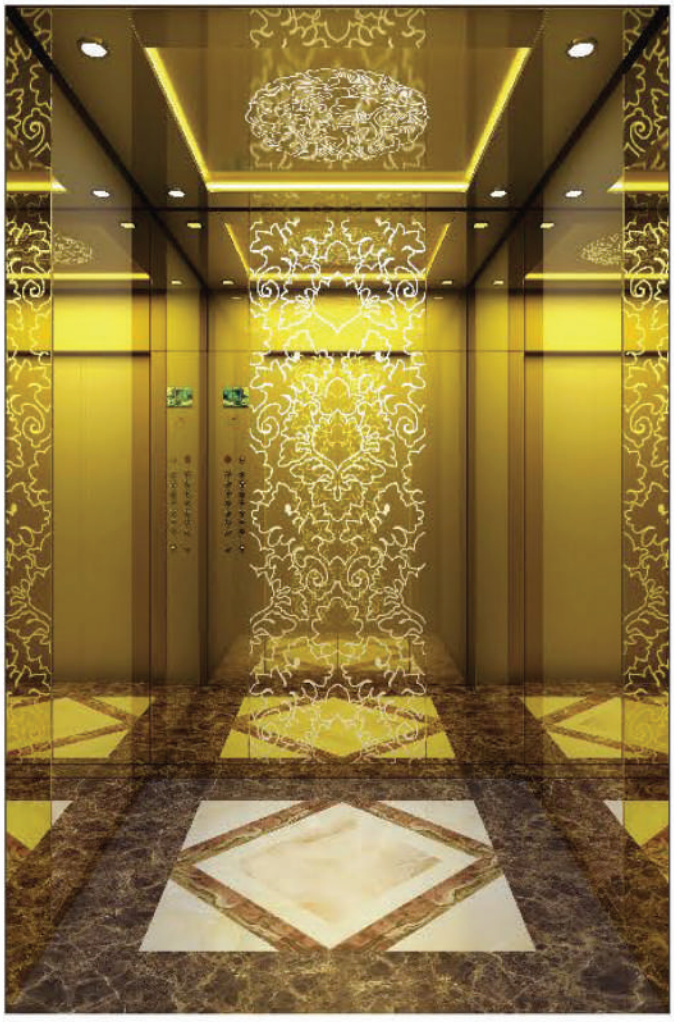
Scan the QR code to know more about the lift car in the 360-degrees manner

Passenger elevator car

XW-K010 Optional

Ceiling: Titanium gold stainless steel craft, acrylic transparent plate, LED lights
Car wall: Mirror, etching, titanium gold
Floor: Polished tile or PVC

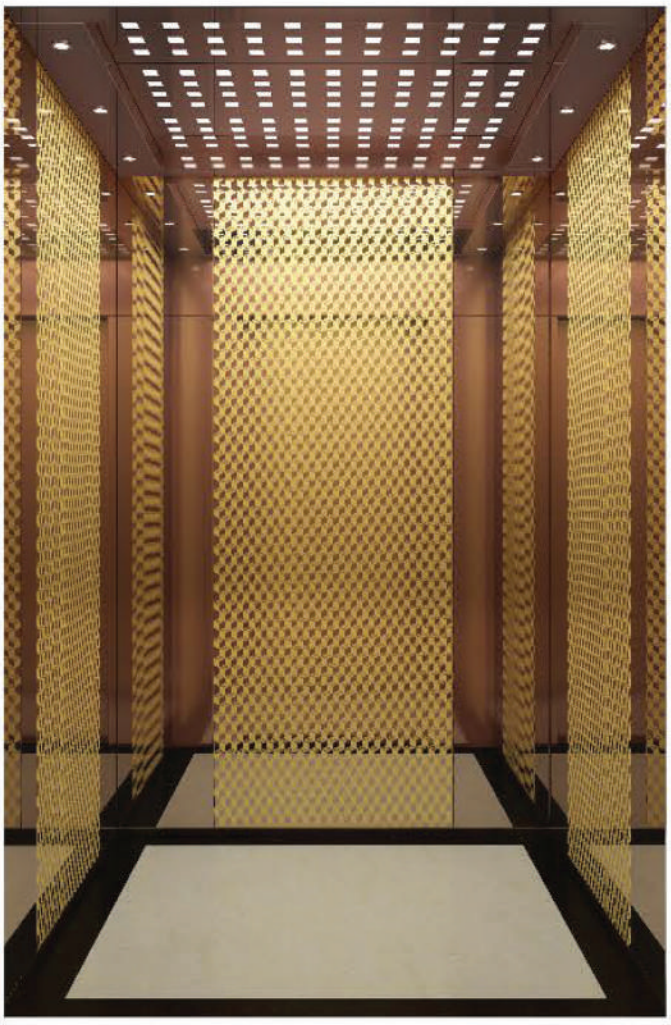
Scan the QR code to know more about the lift car in the 360-degrees manner



XW-K013 Optional

Ceiling: Rose gold mirror craft, acrylic transparent plate, LED lights
Car wall: Mirror, etching, rose gold
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner



XW-K014 Optional

Ceiling: Titanium gold stainless steel craft, acrylic transparent plate, LED lights
Car wall: Mirror, etching, titanium gold
Floor: Polished tile or PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K015 Optional

Ceiling: Mirror stainless steel, acrylic transparent plate, LED lights
Car wall: Mirror, etching, titanium gold
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

Passenger elevator car

XW-K016 Optional

Ceiling: Rose gold mirror craft, LED lights
Car wall: Mirror, etching, rose gold
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K025 Optional

Ceiling: Black titanium stainless steel made frame, acrylic soft light illumination design
Car wall: Mirror surface, black titanium, mirror surface stainless steel/etching
Front wall: Black titanium stainless steel
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K026 Optional

Ceiling: Titanium stainless steel mirror frame with acrylic translucent panel
Car wall: Titanium stainless steel mirror etching in the middle, and titanium hairline stainless steel on two sides
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K027 Optional

Ceiling: Titanium mirror stainless steel frame with arched translucent panel in the middle and LED down lamp on two sides
Car wall: Titanium mirror etching in the middle, titanium mirror stainless steel on two sides
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

Passenger elevator car

XW-K028 Optional

Ceiling: Stainless steel or metal stoving varnished frame, acrylic soft light illumination design
Car wall: Hairline stainless steel, mirror etched stainless steel
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

XW-K029 Optional

Ceiling: Hairline or mirror stainless steel frame with arched translucent panel in the middle and LED down lamp on two sides
Car wall: Stainless steel mirror etching in the middle, hairline stainless steel on two sides
Floor: Artificial marble/PVC

Scan the QR code to know more about the lift car in the 360-degrees manner

Human-machine interface

XW-OK001

Standard (integrated)

Hairline stainless steel

XW-OK013

Optional (integrated)

Hairline stainless steel

XW-OK015

Optional (integrated)

Hairline stainless steel

XW-OK016

Optional (integrated)

Rose gold mirror stainless steel

XW-CK011B

Hairline stainless steel

XW-CK012

Hairline stainless steel

XW-CK013

Hairline stainless steel

XW-CK015

Hairline stainless steel

Panoramic elevator car

XW-GC01 Standard

Upper and lower guard: Baked enamel steel, acrylic lighting decoration
Observation wall: 6+6 Safety glass panel (cirde)-3 pieces
Decoation roof: Circle board model and back with tube lamp for soft light illumination design
Car wall: Hairline stainless steel
Handrail: Stainless steel tube
Floor: PVC

XW-GC02 Standard

Upper and lower guard: Stainless hairline-finished hollow steel plates and white transparent boards
Observation wall: Three laminated safety glass
Decoation roof: Hairline stainless steel frame, intermediate image line light transmitting plate
Car wall: Hairline stainless steel
Handrail: Stainless single tube
Floor: PVC

XW-GC03 Optional

Upper and lower guard: Hairline stainless steel
Observation wall: Laminated glass
Decoation roof: Mirror stainless steel acrylic combination
Car wall: Laminated glass
Handrail: Stainless steel tube
Floor: PVC

XW-GC04 Optional

Upper and lower guard: Baked enamel and lighting decoration
Observation wall: Safety laminated glass (3pcs Half-round arc)
Decoation roof: Baked enamel and acrylic lighting
Car wall: Laminated glass
Handrail: Φ38st./st.
Floor: PVC

XW-GC05 Optional

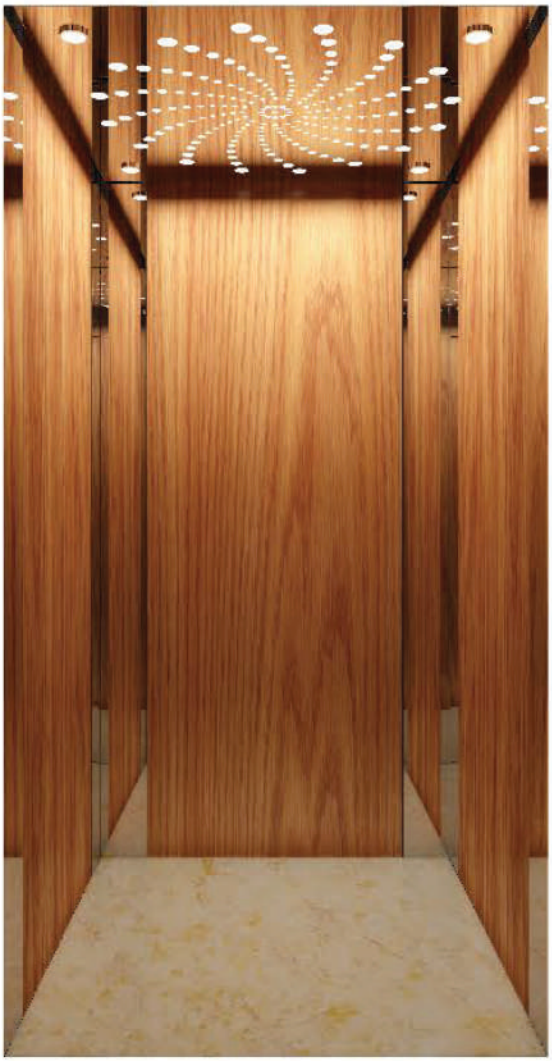
Upper and lower guard: Hairline stainless steel
Observation wall: Safety laminated glass (3pcs Half-round arc)
Decoation roof: White top board and down light
Car wall: Hairline stainless steel
Handrail: Three stainless steel tubes
Floor: PVC

XW-GC06 Optional

Upper and lower guard: Creamy white acrylic decoration hood
Observation wall: Safety laminated glass (3pcs Half-round arc)
Decoation roof: Plastic jet steel plate / acrylic lighting decoration
Car wall: Hairline stainless steel
Handrail: Stainless steel double-tubes
Floor: PVC

XW-V07 Optional

Ceiling: Mirror stainless steel, Acrylic panels for large area lighting in the center, LED
Car wall: Mirror stainless steel, Wood finish
Floor: PVC



XW-V08 Optional

Ceiling: Baking paint wooden board + mirror and titanium gold plated stainless steel + transparent marble
Car wall: Wooden grain decoration board (cherry) + mirror, etched and titanium gold plated stainless steel
Floor: PVC

Decoration configuration

Landing door series

XW-M01 Standard

Hairline stainless steel

XW-M02 Standard

Painted steel plate

XW-M03 Optional

Mirror, etching, hairline,
concave in ti-plated

XW-M05 Optional

Etching, hairline

Note: The patterns above can also be processed into the natural color, ti-gold, gold in the recess , rose gold, champaign gold, titanium black (all optional).

Landing door series

XW-M09 Optional

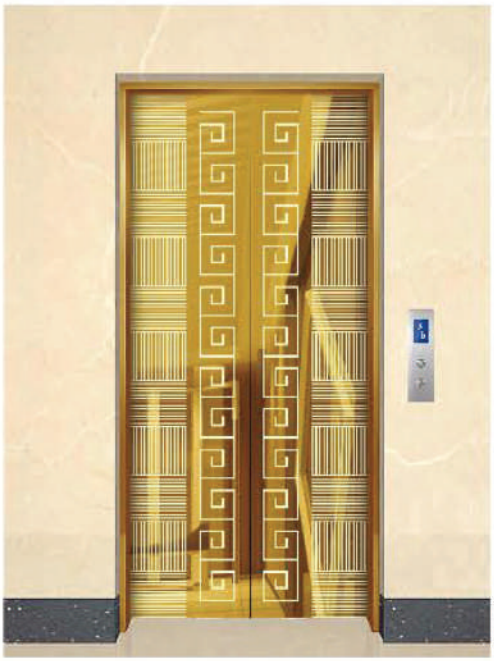
Etching, hairline

XW-M10 Optional

Etching, hairline

XW-M11 Optional

Mirror, etching , hairline



XW-M12 Optional

Mirror, etching , titanium gold

Decoration configuration

Landing door series

XW-M13 Optional

Mirror, etching, titanium gold

XW-M14 Optional

Mirror, etching, titanium gold

XW-M15 Optional

Mirror, etching, titanium gold

XW-M06 Optional

Etching, mirror, rose gold

Note: The patterns above can also be processed into the natural color, ti-gold, gold in the recess , rose gold, champaign gold, titanium black (all optional).

Landing door series

XW-M16 Optional

Etching, mirror, rose gold

XW-M17 Optional

Etching, mirror, rose gold

XW-M18 Optional

Etching, mirror, rose gold

XW-M19 Optional

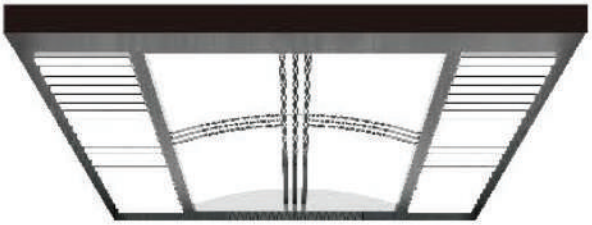
Etching, mirror, rose gold

Decoration configuration

Ceiling

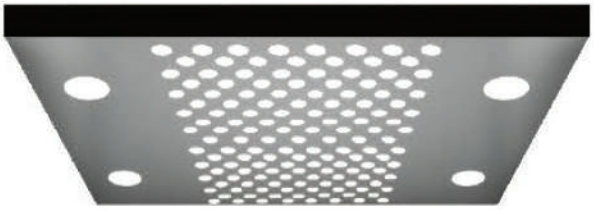
XW-DD01

Hairline stainless steel frame,
acrylic decoration, LED lights



XW-DD02

Hairline stainless steel frame,
acrylic decoration



XW-DD03 Standard

Hairline stainless steel frame,
acrylic decoration, LED lights

XW-DD04

Titanium gold stainless steel,
LED lights

XW-DD05

Hairline stainless steel frame,
acrylic decoration, LED lights

XW-DD06 Standard

Hairline stainless steel frame,
LED lights

Handrail

XW-F01

XW-F02

XW-F03

XW-F04

Floor

XW-DB06

Polished tile or PVC

XW-DB07

Artificial marble/PVC

XW-DB08

Artificial marble/PVC

XW-DB09

Artificial marble/PVC

B&C

Function table

Travel function

Name	Elevator actuation description	Configuration
VVVF drive	Motor rotating speed can be precisely adjusted to get smooth speed curve in lift start, travel and stop and gain the sound comfort.	●
VVVF door operator	Motor rotating speed can be precisely adjusted to get the more gentle and sensitive door machine start / stop.	●
Independent running	The lift can not respond to outer calling, but only respond to the command inside the car through the action switch.	●
Automatic pass without stop	When the car is crowded with the passengers or the load is close to preset value, the car will automatically pass the calling landing in order to keep maximum travel efficiency.	●
Automatically adjust door opening time	Door-open time can be automatically adjusted according to the difference between landing calling or car calling.	●
Reopen with hall call	In the door shutting process, press reopen with hall call button can restart the door.	●
Express door closing	When the lift stops and opens the door, press door-shut button, the door will be closed immediately.	●
Car arrival gong	Arrival gong in the car top announces that the passengers arrive.	●
Command register cancel	If you press the wrong floor command button in the car, twice continuous pressing of the same button can cancel the registered command.	●
Car stops and door open	The lift decelerates and levels, the door only opens after the lift comes to a complete stop.	O
Anti-nuisance	In the light lift load, when three more commands appear, in order to avoid the unnecessary parking, all the registered callings in the car will be cancelled.	O
Open the door in advance	When the lift decelerates and enters into door open zone, it automatically opens the door to enhance the travel efficiency.	O
Direct parking	It completely accords with distance principle with no crawling in the leveling. It greatly enhances the travel efficiency.	O
Duplex control	Two sets of same model lifts can unanimously respond the calling signal through the control system dispatch. In this way, it reduces the passengers' waiting time to the greatest extent and enhances the travel efficiency as well.	O

Safety function

Name	Elevator actuation description	Configuration
Photocell protection	In the door open and shut period, infrared light that covers the whole door height is used to probe the door protection device of both the passengers and objects.	●
Designated stop	If the lift can not open the door in the destination floor out of some reason, the lift will close the door and travel to the next designated floor.	●
Overload holding stop	When the car is overload, the buzzer rings and stops the lift in the same floor.	●
Anti-stall timer protection	The lift stops operation due to slippery traction wire rope.	●
Start protection control	If the lift does not leave door zone within the designated time after it gets started, it will stop the operation.	●
Inspection operation	When the lift enters into inspection operation, the car travels at inching running.	●
Fault self-diagnosis	The controller can record 62 latest troubles so as to quickly remove the trouble and restore the lift operation.	●
Repeated door closing	If the lift can not close the door due to certain obstacle or interference, the lift will reopen or re-shut the door until sundries are eliminated.	●
Up/down over-run and final limit protection	The device can effectively prevent from the lift's surging to the top or knocking the bottom when it is out of control. It results in more safe and reliable lift travel.	●

● Standard Function ○ Optional Function

	Name	Elevator actuation description	Configuration
Safety function	Down over-speed protection device	When the lift downs 1.2 times higher than the rated speed, this device will automatically cut off control mains, stop the motor running so as to stop lift down at over-speed. If the lift continues to down at over-speed, and the speed is 1.4 times higher than rated speed, safety tongs act to force the lift stop in order to ensure the safety.	●
	Upward over-speed protection device	When the lift up speed is 1.2 times higher than rated speed, the device will automatically decelerate or brake the lift.	●

	Name	Elevator actuation description	Configuration
Emergency function	Emergency car lighting	Emergency car lighting automatically activated once power failure.	●
	Inching running	When the lift enters into emergency electric operation, the car travels at low speed inching running.	●
	Five way intercom	Communication amid car, car top, lift machine room, well pit and rescue duty room through walkie-talkie.	●
	Bell	In emergency conditions, if bell button above car operation panel is continuously pressed, electric bell rings on top of the car.	●
	Fire emergency return	If you start key switch in main landing or monitor screen, all the callings will be cancelled. The lift directly and immediately drives to the designated rescue landing and automatically opens the door.	●
	Leveling when power failure	In normal power failure, the chargeable battery supplies the lift power. The lift drives to the nearest landing.	○

	Name	Elevator actuation description	Configuration
Man-machine interface	Micro-touch button for car call and hall call	Novel micro-touch button is used for operation panel command button in the car and landing calling button.	●
	Floor and direction indicator inside car	The car shows the lift floor location and current travel direction.	●
	Floor and direction indicator in hall	The landing shows the lift floor location and current travel direction.	●
	Voice announcer	When the lift normally arrives, voice announcer informs the passengers about the relevant information.	○
	Car assistant operation box	It is used in the large loading weight lifts or the lifts with crowded passengers so that more and more passengers can use the car.	○
	Operation box for the handicapped	It is convenient for the wheelchair passengers and those who have vision problems.	○
	Intelligent calling service	The car command or hoist-way calling can be locked or connected through special Intelligent Input.	○

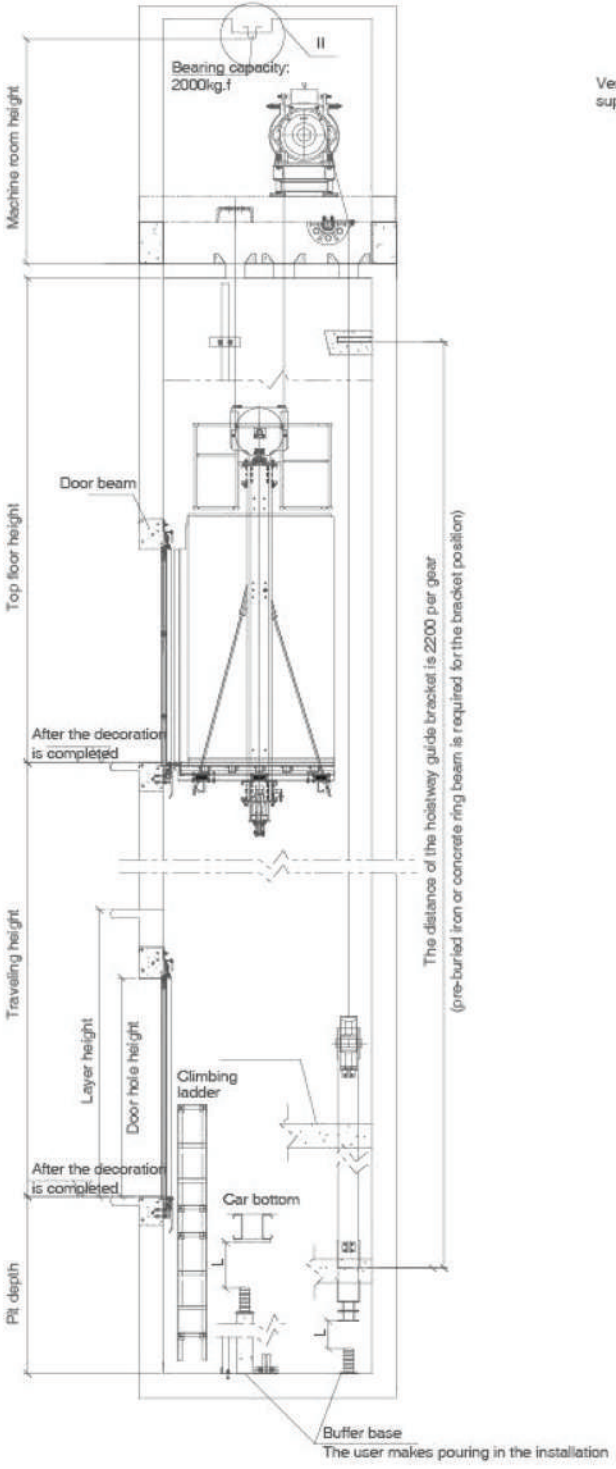
	Name	Elevator actuation description	Configuration
Energy-saving function	Car ventilation, light automatic shut off	If there is no calling or command signal within the stipulated time, the car fan and lighting will be automatically closed in order to save the energy.	●
	Remote shut-off	The lift can be called to main landing (after finishing the service) through the key switch and automatically exists the service.	●

	Name	Elevator actuation description	Configuration
Monitor function	Remote monitor	The lift long-distance monitor and control can be fulfilled through modem and telephone. It is convenient for the factories and service units to timely know the travel conditions of every lift and promptly take the corresponding measures.	○
	Camera function in the car	The camera is installed in the car to monitor the car conditions.	○

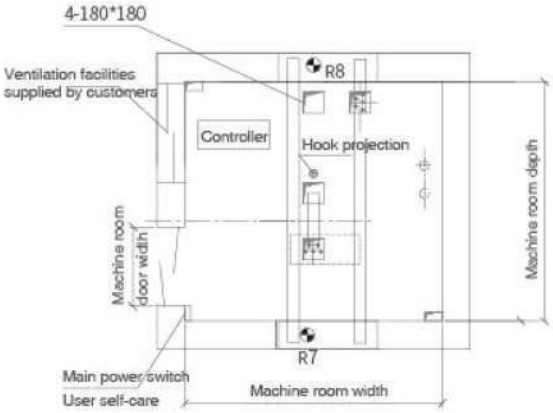
B&C

Small machine room elevator construction sketch

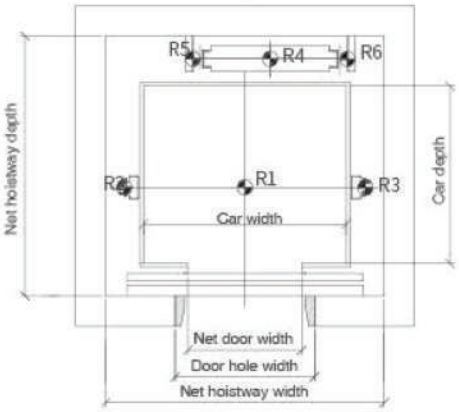
Hoistway Elevational View



Machine room plan



Hoistway plan



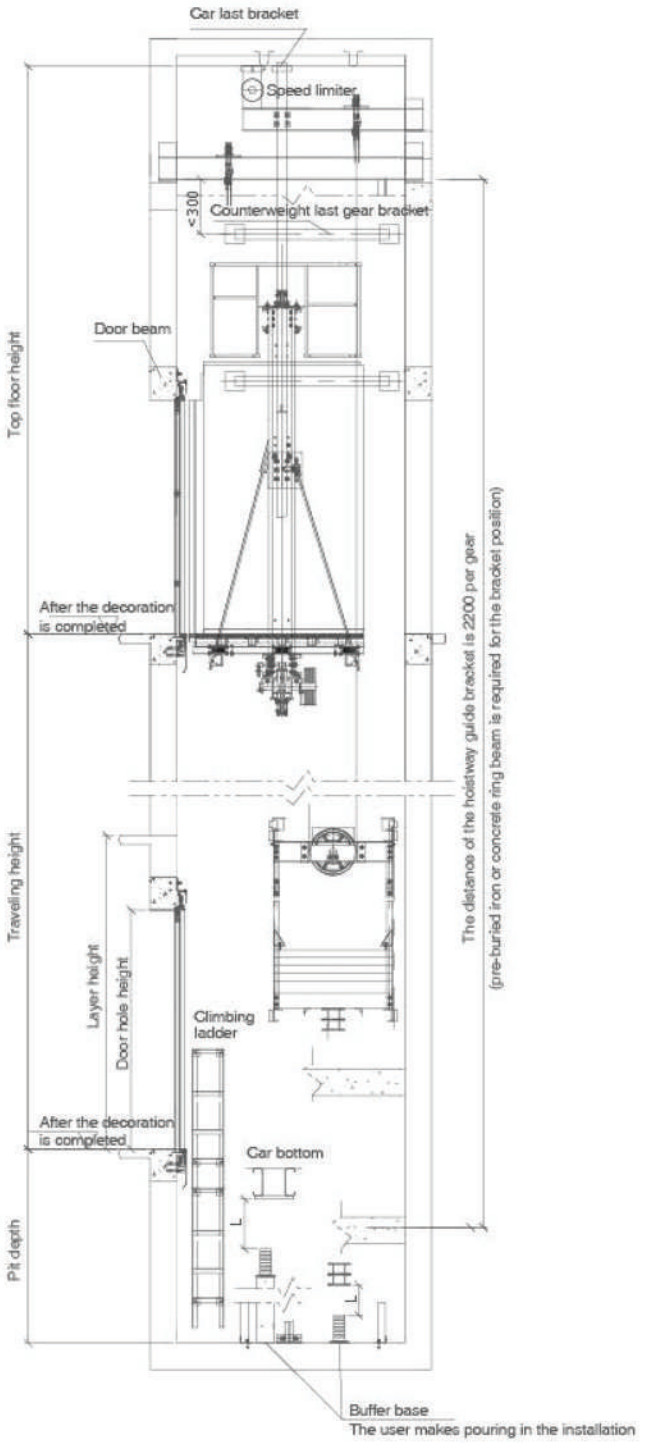
Small machine room elevator parameter list

Model	Reated capacity		Reated speed	Car size		Net door size		Net hoistway size				Machine room		
	Kg	Persons	m/s	CA	CB	M	HH	AH	BH	PP	OH	AM	BM	MH
GRK	450	6	1.0	1200	1100	700	2100	1900	1700	1500	4200	1900	1700	2200
			1.75							1700	4500			
	630	8	1.0	1300	1200	800	2100	2000	1800	1500	4200	2000	1800	2200
			1.75							1700	4500			
	800	10	1.0	1400	1350	800	2100	2000	2000	1500	4200	2000	2000	2200
			1.75							1700	4500			
			2.0							1800	4900			
			2.5							2200	5000			
	1000	13	1.0	1600	1400	900	2100	2200	2200	1500	4200	2200	2200	2200
			1.75							1700	4500			
			2.0							1800	4900			
			2.5							2200	5000			
	1150	15	1.0	1700	1500	900	2100	2300	2150	1500	4300	2300	2150	2200
			1.75							1700	4500			
			2.0							1800	4900			
			2.5							2200	5000			
	1350	18	1.0	1900	1600	1100	2100	2500	2300	1500	4300	2500	2300	2200
			1.75							1700	4500			
			2.0							1800	4900			
			2.5							2200	5200			
	1600	21	1.0	2000	1700	1100	2100	2700	2400	1500	4400	2700	2400	2200
			1.75							1700	4500			
			2.0							1800	4900			
			2.5							2200	5200			

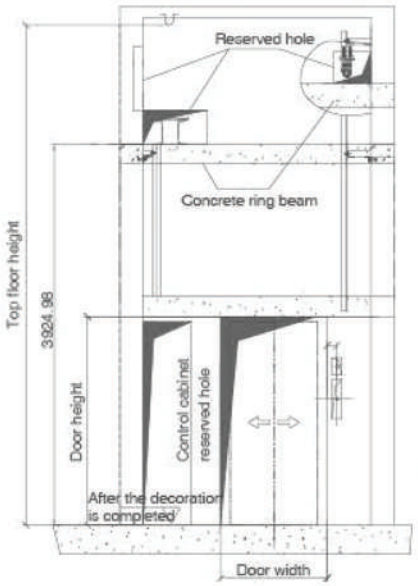
Note: Only for reference, final manufacture please follow contract.

Machine roomless elevator construction sketch

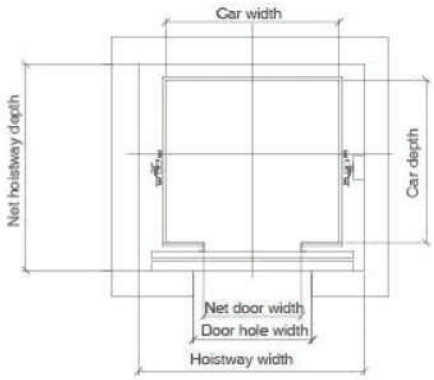
Hoistway elevational view



Plane of leaving holes on top



Hoistway plan



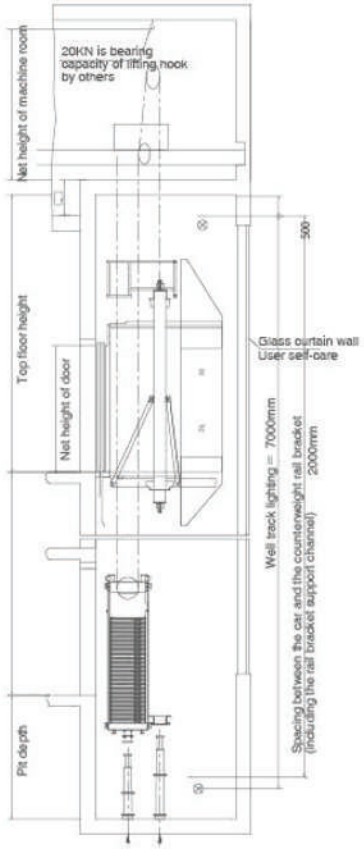
Machine roomless elevator parameter list

Model	Reated capacity		Reated speed	Car size		Net door size		Net hoistway size			
	Kg	Persons	m/s	CA	CB	M	HH	AH	BH	PP	OH
GRKW	450	6	1.0	1200	1100	700	2100	2000	1600	1600	4200
			1.75							1600	4500
	630	8	1.0	1300	1200	800	2100	2200	1700	1600	4200
			1.75							1600	4500
	800	10	1.0	1400	1350	800	2100	2200	1800	1600	4200
			1.75							1600	4500
			2.0							1800	4800
			2.5							2200	5000
	1000	13	1.0	1600	1400	900	2100	2500	1800	1600	4200
			1.75							1600	4500
			2.0							1800	4800
			2.5							2200	5000
	1150	15	1.0	1700	1500	900	2100	2600	1900	1600	4200
			1.75							1600	4500
			2.0							1800	4800
			2.5							2200	5000
	1350	18	1.0	1900	1600	1100	2100	2800	2150	1600	4300
			1.75							1600	4500
			2.0							1800	4800
			2.5							2200	5000
	1600	21	1.0	2000	1700	1100	2100	2900	2250	1600	4300
			1.75							1600	4500
			2.0							1800	4800
			2.5							2200	5000

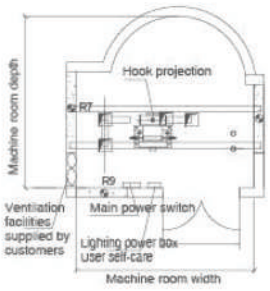
Note: Only for reference, final manufacture please follow contract.

Panoramic elevator construction sketch

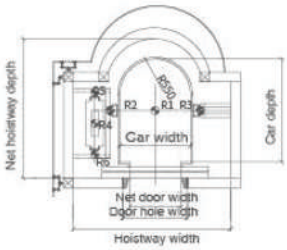
Hoistway elevational view



Machine room plan



Hoistway plan



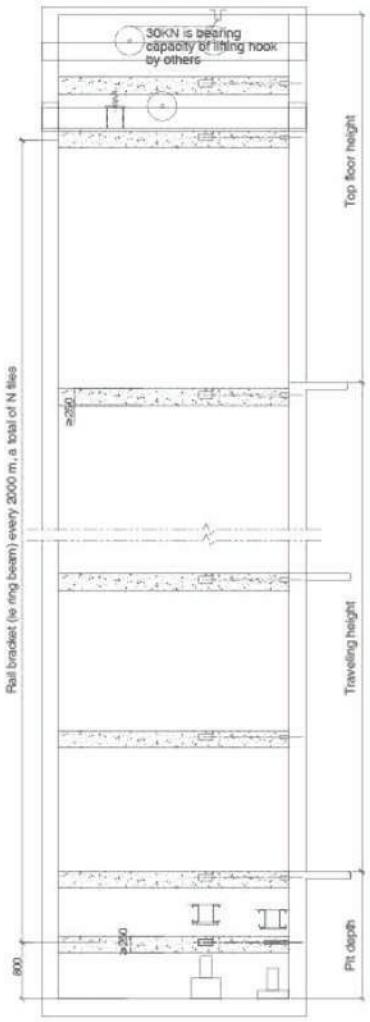
Panoramic elevator parameter list

Model	Reated capacity		Reated speed	Car size		Net door size		Net hoistway size				Machine room		
	Kg	Persons	m/s	CA	CB	M	HH	AH	BH	PP	OH	AM	BM	MH
GRG	630	8	1.0	1200	1500	800	2100	2300	2000	1700	4400	2300	2000	2200
			1.75							1800	4600			
	800	10	1.0	1250	1600	800	2100	2400	2100	1700	4400	2400	2100	2200
			1.75							1800	4600			
	1000	13	1.0	1500	1750	900	2100	2600	2400	1700	4400	2600	2400	2200
			1.75							1800	4600			
			2.0							2000	4700			
			2.5							2000	5100			
	1150	15	1.0	1500	1800	900	2100	2600	2400	1700	4400	2600	2400	2200
			1.75							1800	4600			
			2.0							2000	4700			
			2.5							2000	5100			
	1350	18	1.0	1600	2050	1000	2100	2700	2500	1700	4400	2700	2500	2200
			1.75							1800	4600			
			2.0							2000	4700			
			2.5							2000	5100			
	1600	21	1.0	1600	2200	1000	2100	2700	2700	1700	4400	2700	2700	2200
			1.75							1800	4600			
			2.0							2000	4700			
			2.5							2000	5100			

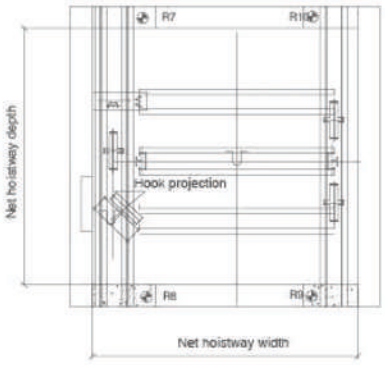
Note: Only for reference, final manufacture please follow contract.

Machine roomless freight elevator construction sketch

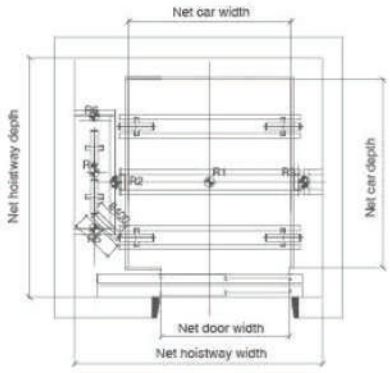
Hoistway Elevational View



Machine room plan



Hoistway plan



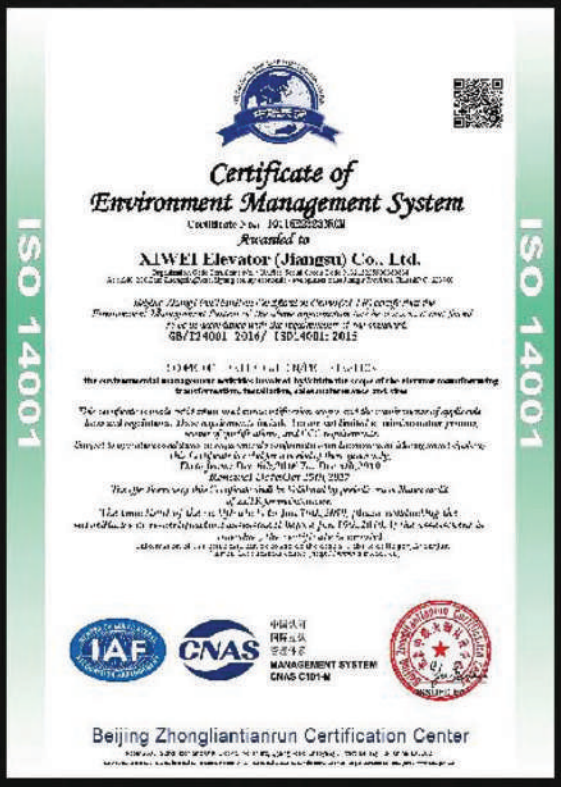
Machine room-less freight elevator parameter table

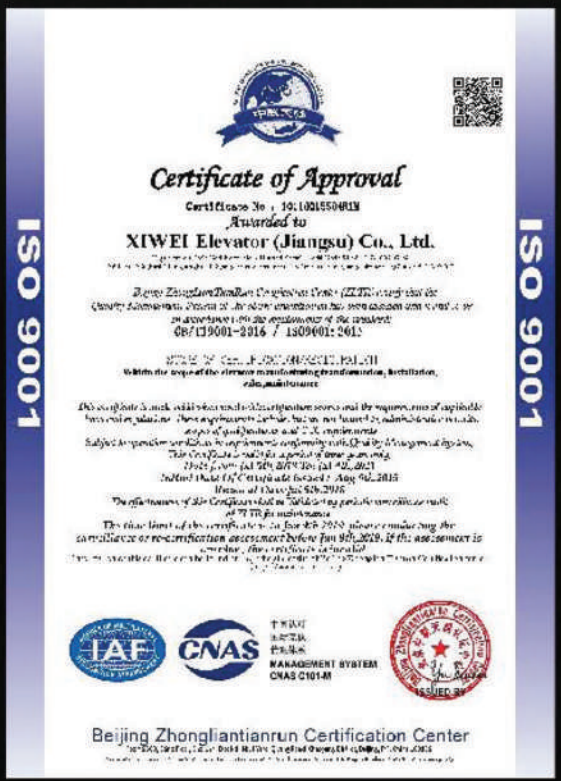
Model	Reated capacity	Rated speed	Car size		Net door size		Net hoistway size			
	Kg	m/s	CA	CB	M	HH	AH	BH	PP	OH
GRHW	1600	0.5	1800	1900	1500	2100	2900	2400	1600	4500
	2000	0.5	1800	2200	1500	2100	2900	2700	1600	4500
	2300	0.5	2000	2300	1600	2100	3100	2800	1600	4500
	2500	0.5	2000	2400	1600	2100	3100	2900	1600	4600
	3000	0.5	2200	2500	1800	2200	3300	3000	1600	4600

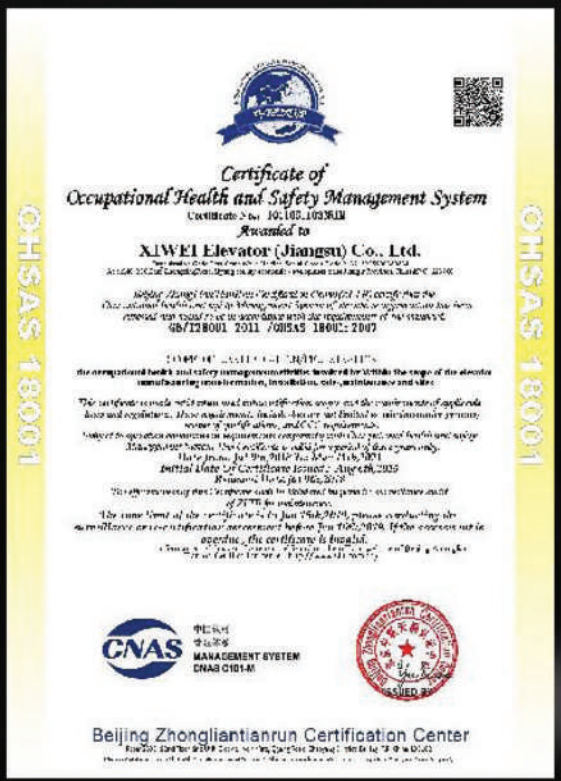
Note: Only for reference, final manufacture please follow contract.

Honor certificate

Since its establishment, Elevator has won numerous awards for its high quality product quality and quality engineering projects, and has been highly praised by all walks of life. The company has passed a number of quality and safety certifications including ISO9001 certification, ISO14001 certification, OHSAS18001, etc. All products have obtained CE certification and comply with European standards.







EUROPEAN INSPECTION AND CERTIFICATION COMPANY S.A.

EU TYPE EXAMINATION CERTIFICATE

FOR TRACTION DRIVE PASSENGER ELEVATOR (LIFT)

EUROPEAN LIFT DIRECTIVE 2014/33/EC ANNEX IV (MODULE B)

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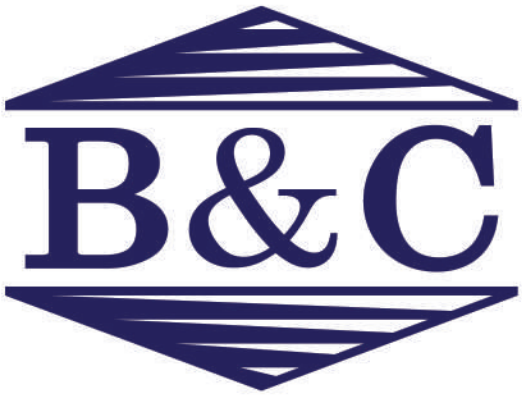

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