

# TOWARDS VERTICAL ELEVATOR SERIES

TOWARDS BETTER LIFE



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# TOWARDS ELEVATOR

## TOWARDS BETTER LIFE



TOWARDS ELEVATOR, An innovator in the global vertical transportation field, specializing in innovative research and development, intelligent manufacturing, and service of elevators and escalators for over 20 years.

Originating from the century industrial genes of Europe, TOWARDS ELEVATOR has introduced precision design and cutting-edge technology into China, formed an international R&D team with China new tech , deeply integrated China's intelligent manufacturing advantages, and relied on the world-class industrial ecology. With non-standard customization as our core competitiveness, we create elevator products that combine aesthetics and reliability, break through the boundaries of energy conservation and intelligence, and provide diversified vertical transportation solutions for global customers.

Elevators are the upward link, and also the symbiotic body of humanities and technology. TOWARDS takes innovation as the ladder and integrity as the step, creating a safer, smarter, and more sustainable living environment for future generations. Hand in hand with TOWARDS, and towards better life!

### › FRONTIER TECHNOLOGY

Our professional R&D team, based on local demands, is dedicated to innovative research and development.

### › CUSTOMIZED DESIGN

Tailor-made to meet the personalized needs of different spaces.

### › LEAN MANUFACTURING

Twenty years of experience accumulation has enabled "Made in China" to go global.

### › FULL LIFE CYCLE SERVICE

24-hour service is our commitment to users.

# TOWARDS ELEVATOR THREE CORE SYSTEMS

The three core systems of TOWARDS - the traction machine, the door machine and the control cabinet - always adhere to the most stringent quality standards in the industry, ensuring that each product can reach the highest quality level in the industry.

## CORE CONTROL SYSTEM

### HIGHLY INTEGRATED, INTELLIGENT CONTROL

- Multi-cpu redundant control technology enables the master-slave system to operate in coordination, providing robust security guarantees and response capabilities.
- The direct stop technology based on the distance control principle generates the optimal running trajectory, ensuring smooth start and stop and a more comfortable ride.
- The application of dual serial port communication technology enhances the security and comfort of signal transmission, ensuring worry-free system operation.



Energy Saving



High Efficiency



Stable



Quiet



Lubrication Free

## CORE DRIVE SYSTEM

### ENERGY-SAVING AND NOISE-REDUCING, LONG-LASTING AND RELIABLE

- The permanent magnet synchronous gearless traction machine is designed with a compact and optimized structure, significantly reducing noise and providing a quiet and comfortable riding environment.
- The driving efficiency has been raised to 20%-30%, significantly enhancing energy utilization efficiency and achieving a green, environmentally friendly economy.
- Energy loss is reduced by 20% to 40%, further optimizing energy consumption and promoting sustainable development.

## CORE DOOR MACHINE SYSTEM

### QUIET AND WORRY-FREE, ENVIRONMENTALLY FRIENDLY AND HIGHLY EFFICIENT.

- The structure is finely designed to create a quiet operating environment. The door opening and closing operations are smooth, providing a serene and comfortable riding experience.
- Oil-free operation design avoids the trouble of oil stains, reduces maintenance workload, and embraces an environmentally friendly lifestyle.
- The driving efficiency has been increased to 20%-30%, with lower energy consumption and more environmentally friendly and economical operation.

# ENJOY QUALITY, BE AT EASE AND COMPOSED

TOWARDS passenger elevators empower urban vertical transportation with smart technology. With outstanding performance and considerate design, they meet the modern architecture's ultimate pursuit of efficiency, aesthetics and comfort, making every journey worry-free and easy to get on and off.



## OUTSTANDING SECURITY PERFORMANCE

It adopts multiple safety protection designs and is equipped with an advanced monitoring system to monitor the operation status in real time and ensure the safety of passengers.



## INTELLIGENT AND CONVENIENT CONTROL

The intelligent control system responds quickly to passenger calls, precisely stops at each floor, is smooth and convenient, and allows you to experience the charm of leading technology.



## ELEGANT AND FASHIONABLE DESIGN

The car is made of high-quality materials and combines modern aesthetic concepts, highlighting the elegance and refinement of the design, and is in harmony with the architectural style.



## SILENT AND COMFORTABLE EXPERIENCE

The carefully optimized structural design and noise reduction technology make the elevator operate more quietly, providing passengers with a peaceful and comfortable riding experience.

# PASSENGER ELEVATOR



## SAFE AND DIRECT ACCESS

A more reliable and durable permanent magnet synchronous gearless traction machine

The application of car positioning technology ensures safe and direct access

## OPTIMIZATION SPACE

Intensive design to comprehensively optimize the utilization rate of hoistway space

Quick installation design



## SMALL MACHINE ROOM ELEVATOR

### SMART SPACE, OUTSTANDING EXPERIENCE

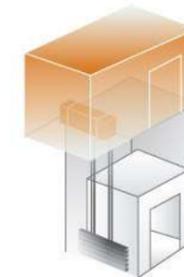
TOWARDS small machine room passenger elevator optimizes building space with innovative technology and compact design, meeting the ultimate requirements of modern cities for efficiency, comfort, safety and aesthetics.



## MACHINE ROOMLESS ELEVATOR

### UNLEASH THE INFINITE VALUE OF SPACE

There is no need to consider the reserved space for the machine room, which is convenient for the free design of the building and meets the requirements of special building appearances for the roof. Old elevators can be replaced, and elevator services can reach the top floor or attic, providing convenience for builders and passengers.



Conventional machine room elevator



Machine room elevator



Machine roomless elevator



### EFFICIENT CONSTRUCTION

The machine-room-less design effectively shortens the elevator installation period, reduces the construction occupation time and improves the project efficiency.

### OPTIMIZE SPACE UTILIZATION

It has released the top-level space occupied by traditional computer rooms and improved the overall utilization rate of the building.

# PASSENGER ELEVATOR CAR DECORATION

## STANDARD CAR DECORATION



### TPE-01

[ Standard ]

Ceiling:  
Hairline stainless steel, acrylic  
transparent plate, simple lamp

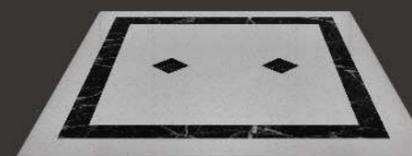
Car wall:  
Hairline stainless steel

Car door:  
Hairline stainless steel

Floor:  
PVC (Optional marble)



Acrylic transparent plate, simple  
lamp, mirror stainless steel



PVC (Optional marble)



# STANDARD CAR DECORATION



## TPE-02

[ Standard ]

Ceiling:  
Mirror stainless steel, white sheet,  
LED illumination

Car wall:  
Mirror stainless steel, hairline  
stainless steel

Car door:  
Hairline stainless steel

Floor:  
PVC (Optional marble)



## TPE-03

[ Standard ]

Ceiling:  
Acrylic transparent plate, simple  
lamp, mirror stainless steel

Car wall:  
Black titanium mirror etched  
stainless steel, hairline stainless  
steel, black titanium mirror plate

Floor:  
PVC (Optional marble)



# OPTIONAL CAR DECORATION

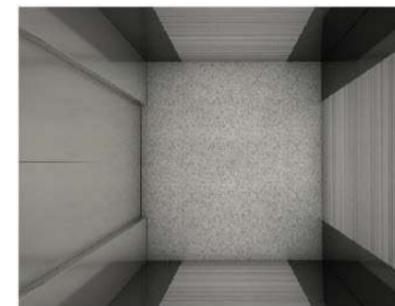
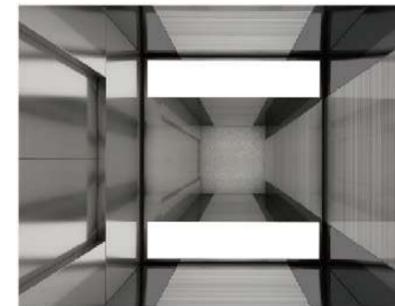
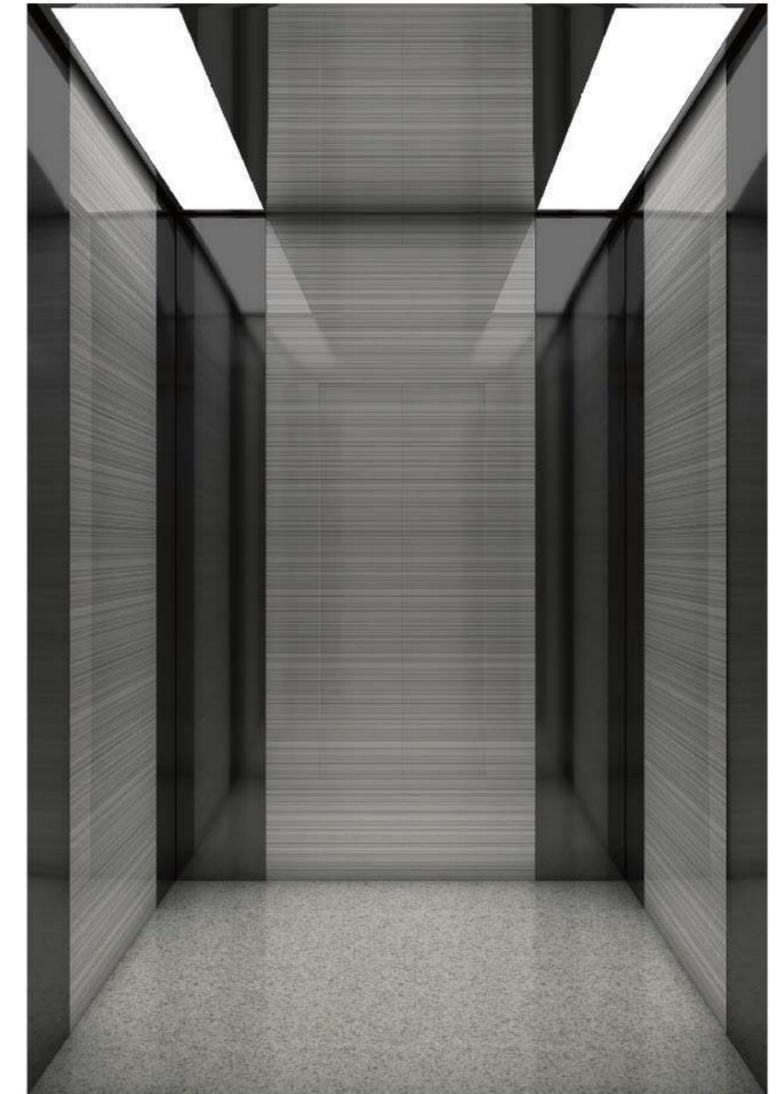
## TPE-04

[ Optional ]

Ceiling:  
Mirror stainless steel frame, acrylic  
light-transmitting plate

Car wall:  
Mirror etching, black titanium  
mirror

Floor:  
PVC (Optional marble)



# OPTIONAL CAR DECORATION



## TPE-05

[ Optional ]

Ceiling: Black titanium mirror stainless steel decorative panels with LED downlights and horizontal LED linear lights

Rear wall: Black titanium mirror stainless steel

Side wall: Black titanium hairline stainless steel, equipped with LED linear lights

Front wall: Black titanium mirror stainless steel

Floor: PVC (Optional marble)



## TPE-06

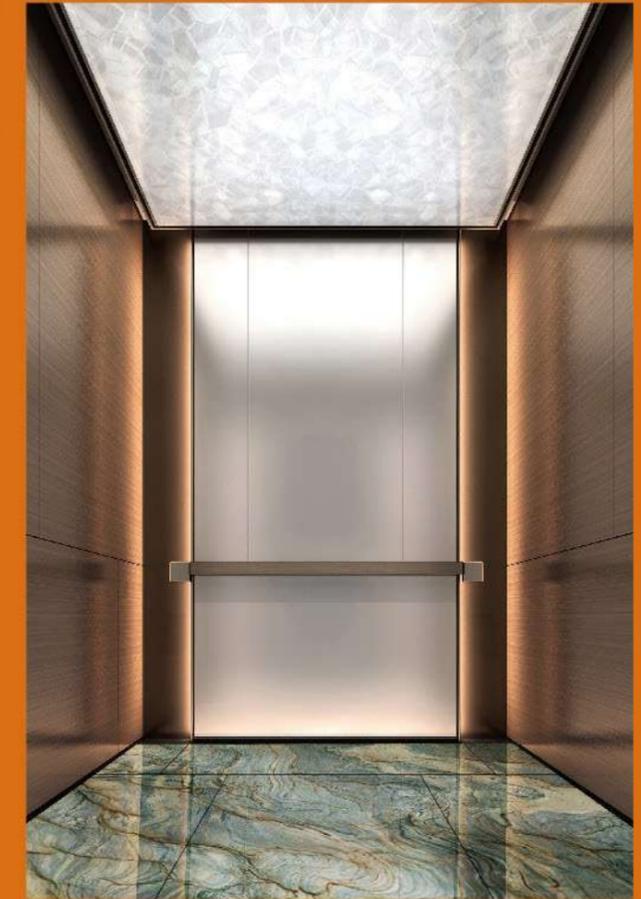
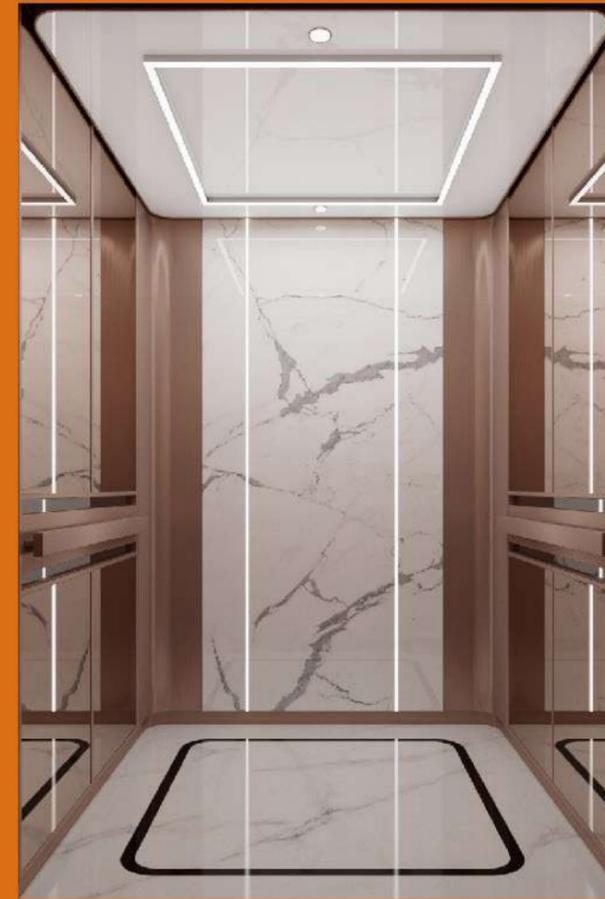
[ Optional ]

Ceiling: The edges are made of sandblasted stainless steel, with acrylic light-transmitting panels and spotlights for illumination

Car wall: Marble in the middle and titanium black mirror etched stainless steel on both sides

Handrail: Metal-shaped handrail

Floor: PVC (Optional marble)



## TPE-07

[ Optional ]

Ceiling: White paint steel plate, light belt, downlight

Car wall: Rose gold hairline stainless steel, mirror stainless steel, marble, lamp strip

Handrail: Rose gold hairline stainless steel

Floor: PVC (Optional marble)



## TPE-08

[ Optional ]

Ceiling: Aluminum alloy frame + spray-painted light-suitable film

Car wall: Aluminum plate is white matte baked paint with black titanium mirror stainless steel decorative strips. There are hidden lights on both sides of the frame, and the stainless steel is made of antique copper with straight hairline texture

Side wall: Antique copper with straight hairline stainless steel

Handrail: Hair-textured stainless steel flat handrail

Floor: PVC (Optional marble)

# OPTIONAL CAR DECORATION



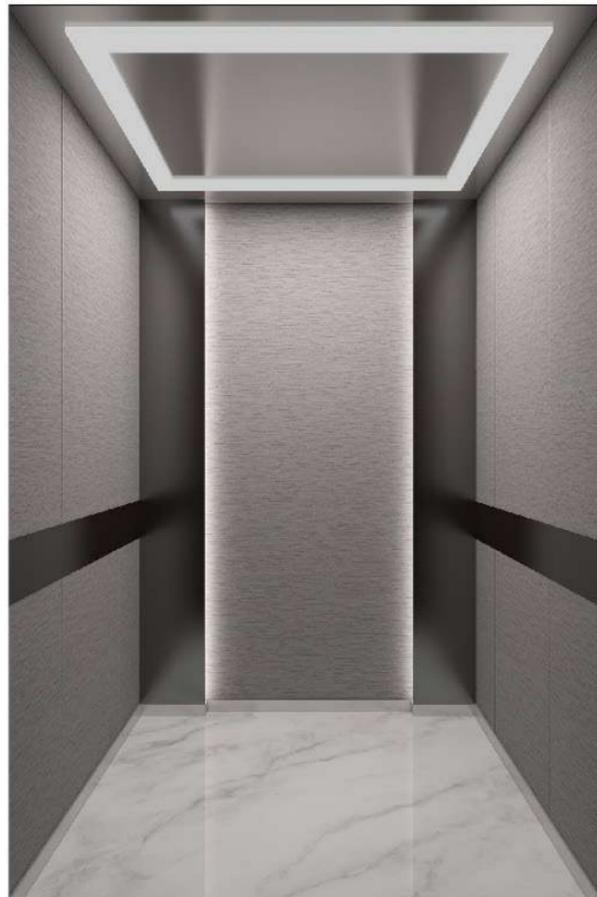
## TPE-09

[ Optional ]

Ceiling : Hairline stainless steel frame, acrylic light strip

Car wall : Black titanium hairline stainless steel, horizontal color pattern steel plate

Floor: PVC (Optional marble)



## TPE-10

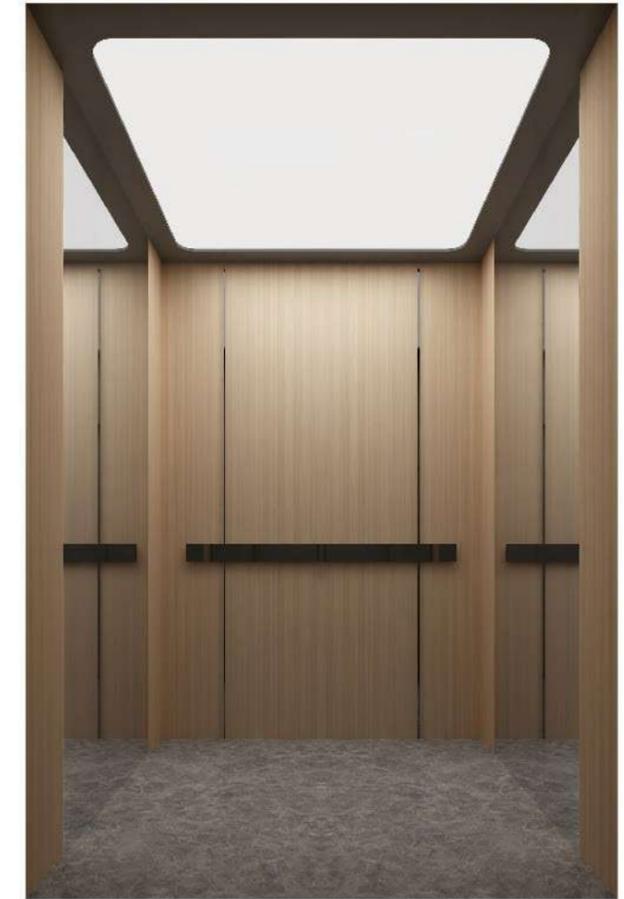
[ Optional ]

Ceiling: Titanium gold mirror stainless steel frame, tube lamp, light strip

Ventilation: Axial fan

Car wall: Titanium gold, mirror, etching, hairline

Floor: PVC (Optional marble)



## TPE-11

[ Optional ]

Ceiling: Warm white color pattern steel plate, LED light strip

Car wall: Pear wood color pattern steel plate, mirror stainless steel, LED light strip

Floor: PVC (Optional marble)



## TPE-12

[ Optional ]

Ceiling: Hairline stainless steel frame, acrylic light decoration

Car wall: Straight-grained crabapple wood color-grained steel plate, black titanium mirror stainless steel bar, mirror stainless steel

Handrail: Black titanium mirror stainless steel

Floor: PVC (Optional marble)

# OPTIONAL CAR DECORATION



## TPE-13

[ Optional ]

Ceiling: Gray titanium mirror stainless steel, hidden light, LED

Car wall: Color pattern steel plate, twill wood colored steel plate, gray titanium mirror stainless steel

Floor: PVC (Optional marble)



## TPE-14

[ Optional ]

Ceiling: Black titanium hairline stainless steel, acrylic light decoration

Car wall: Black titanium mirror etched stainless steel, gray mirror stainless steel, wood grain color steel plate

Handrail: Black hairline stainless steel

Floor: PVC (Optional marble)



## TPE-15

[ Optional ]

Ceiling: Champagne gold hairline stainless steel, Black titanium decorative strip, LED

Car wall: Champagne gold hairline stainless steel, black titanium stainless steel, LED

Handrail: Champagne gold hairline stainless steel

Floor: PVC (Optional marble)



## TPE-16

[ Optional ]

Ceiling: Black titanium stainless steel, acrylic light-transmitting plate, down light

Car wall: Hairline stainless steel, black titanium hairline stainless steel, bronze sandblasted board, black titanium decorative strip, hidden light

Floor: PVC (Optional marble)

# OPTIONAL CAR DECORATION



## TPE-17

[ Optional ]

Ceiling: Metal painted board, rose gold mirror stainless steel strip, LED

Car wall: Marble veneer, rose gold mirror stainless steel, wood grain steel plate

Handrail: Rose gold mirror stainless steel

Floor: PVC (Optional marble)



## TPE-18

[ Optional ]

Ceiling: Black titanium stainless steel, bronze stainless steel bar

Car wall: Black titanium stainless steel, honeycomb marble, bronze sandblast stainless steel

Handrail: Customized, hidden light

Baseboard: Bronze sandblast stainless steel

Floor: PVC (Optional marble)



## TPE-19

[ Optional ]

Ceiling: Wooden decorative design, rose gold mirror stainless steel, black titanium edging, hidden light

Car wall: Light brown sandblasted etched stainless steel, black titanium edging, rose hairline stainless steel, hidden light

Baseboard: Rose gold hairline stainless steel

Floor: PVC (Optional marble)



## TPE-20

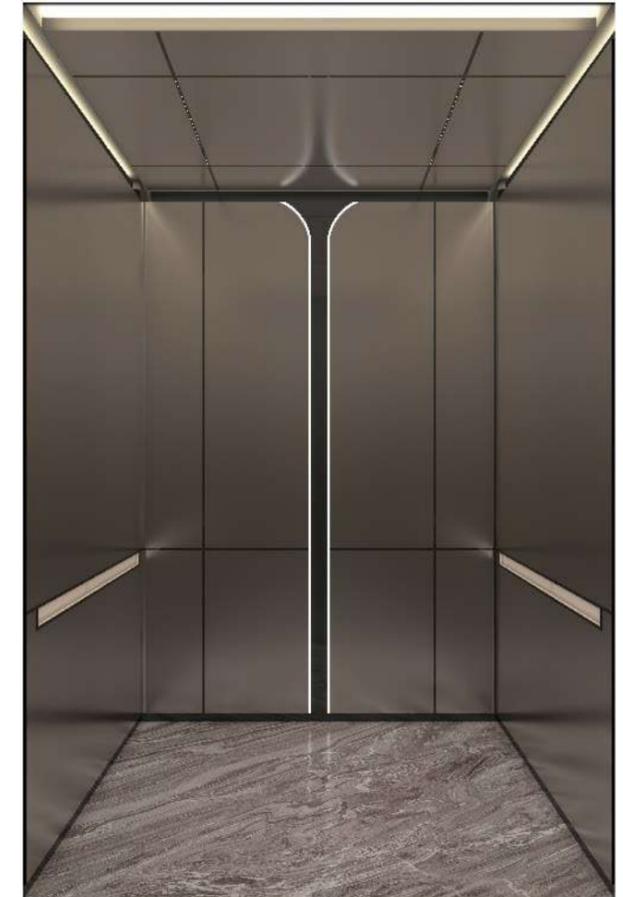
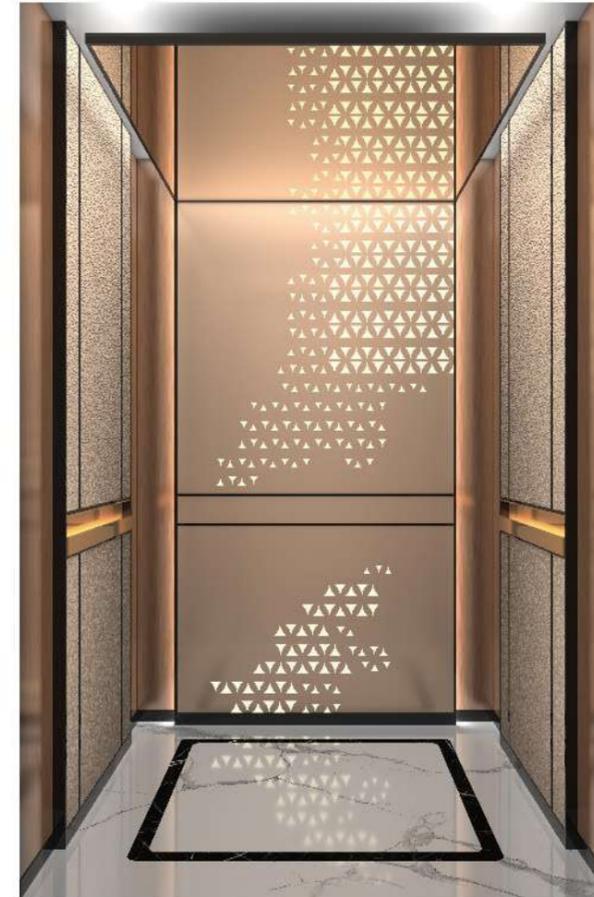
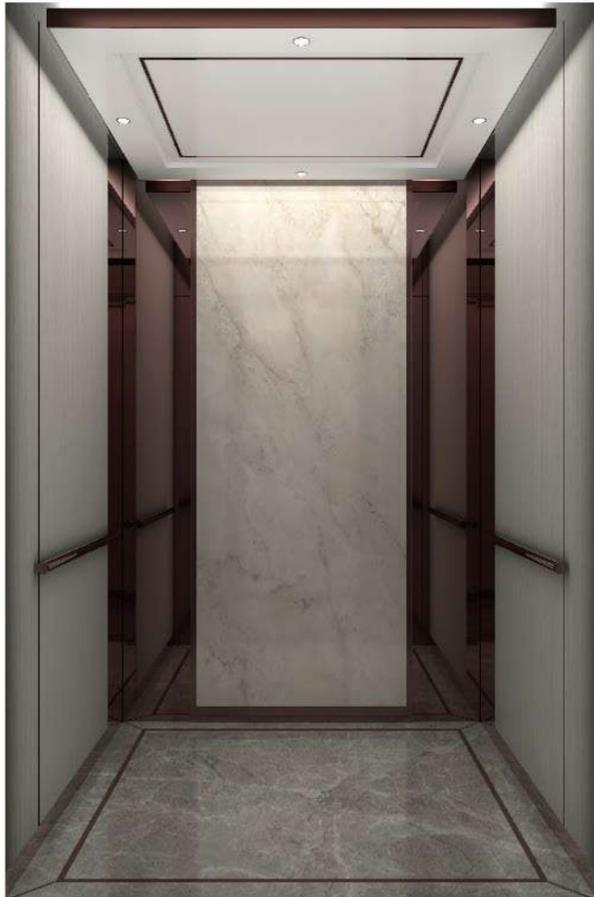
[ Optional ]

Ceiling: Smoke grey stainless steel inlaid with black titanium trim strips, grille light strips, light strips

Rear wall: Smoke grey and textured anti-fingerprint stainless steel with black titanium trim strips for hidden lighting. In the middle of the rear wall, there is black titanium mirror-finished stainless steel with light strips

Side wall: Smoke grey and textured anti-fingerprint stainless steel, with hidden light strips on the waistline handrail

Floor: PVC (Optional marble)



# MAN-MACHINE INTERFACE

## TPE-COP01

[ Standard ]

Panel material: Hairline stainless steel

Button: High recognition hairline stainless steel button

Display: LED segment code/ LED dot matrix

Parking number: 2~36 parking floors

## TPE-COP02

[ Optional ]

Panel material: hairline stainless steel

Button: High recognition hairline stainless steel curved button

Display: Picture type display

Parking number: 2~36 parking floors

## HALL CALL BOX (WITH BOTTOM BOX)

### TPE-LOP02

[ Optional ]

Simplex

### TPE-LOP02B

[ Optional ]

Duplex

## Hall call box (NO BOTTOM BOX)



### TPE-LOP01

[ Standard ]

Simplex



### TPE-LOP01B

[ Standard ]

Simplex

## HALL CALL BOX (NO BOTTOM BOX)



### TPE-LOP03

[ Optional ]

Simplex

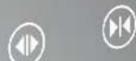


### TPE-LOP03B

[ Optional ]

Duplex

# MAN-MACHINE INTERFACE



## TPE-COP03

[ Optional ]

Panel material:  
Hairline stainless steel

Button:  
Touchscreen button

Display:  
Video type display

Parking number:  
2~48 parking floors



## New type access controls



Face recognition



Fingerprint recognition



Digital password

## DISPLAY SCREEN



[ Standard ]

LED segment code



[ Standard ]

Single-color LCD



[ Optional ]

Pure display color LCD



[ Optional ]

Picture type display



[ Optional ]

Video type display

## HALL CALL BOX (NO BOTTOM BOX)



### TPE-LOP04

[ Standard ]

Simplex



### TPE-LOP04B

[ Standard ]

Duplex



### TPE-LOP05

[ Optional ]

Simplex



### TPE-LOP05B

[ Optional ]

Duplex

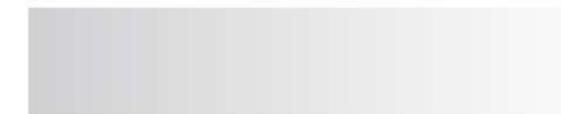
Note: Dot matrix display screen (Standard); segment code LCD (Optional)

## PANEL MATERIAL



[ Standard ]

Hairline stainless steel



[ Optional ]

Mirror stainless steel



[ Optional ]

Titanium gold hairline stainless steel



[ Optional ]

Titanium gold mirror stainless steel

# MAN-MACHINE INTERFACE



## OPERATION PANEL FOR DISABLED [ Optional ]



**TPE-HCOP01**  
Operation panel for disabled



**TPE-HCOP02**  
Operation panel for disabled

## HALL TRANSOM INDICATOR [ Optional ]



**TPE-I01**



**TPE-I02**

## LANDING DIRECTION INDICATOR [ Optional ]



**TPE-A01**



**TPE-A02**



**TPE-A03**



**TPE-A04**

# OTHER DECORATION CEILING / HANDRAIL

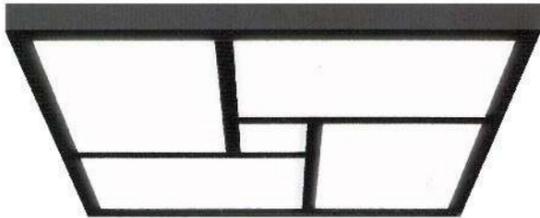
## CEILING



**TPE-C01** (Integrated)  
Mirror stainless steel decorative cover with LED downlights, and milky white acrylic for light transmission



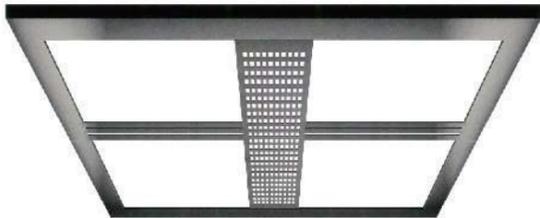
**TPE-C02** (Integrated)  
Mirror stainless steel decorative cover with LED downlights



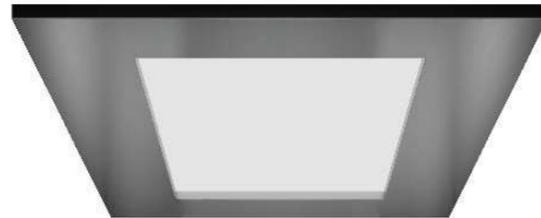
**TPE-C03**  
Black baked paint steel plate frame, milky white acrylic with light transmission



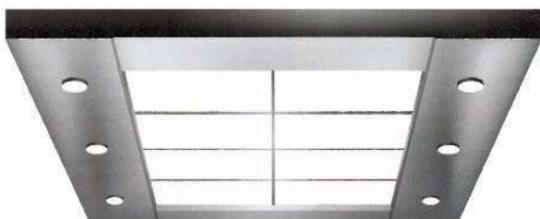
**TPE-C04**  
Mirror stainless steel frame + mirror-finish stainless steel perforated decorative frame, milky white acrylic for light transmission



**TPE-C05**  
Mirror stainless steel frame + mirror-finish stainless steel perforated decorative frame, milky white acrylic for light transmission



**TPE-C06**  
Hairline stainless steel framework, acrylic top plate in the middle



**TPE-C07**  
Mirror stainless steel decorative cover with LED downlights, and milky white acrylic for light transmission



**TPE-C08**  
Mirror stainless steel frame + mirror-finish stainless steel perforated decorative frame, milky white acrylic for light transmission



## HANDRAIL



**TPE-H01**  
Matte short texture on stainless steel pipes



**TPE-H02**  
Titanium gold matte short-textured single tube



**TPE-H03**  
Stainless steel short texture, arc head



**TPE-H04**  
Stainless steel titanium gold short texture, arc head



**TPE-H05**  
Stainless steel pipe mirror three-piece combination



**TPE-H06**  
Stainless steel pipe titanium gold triple combination



**TPE-H07**  
Stainless steel pipe with mirror and titanium gold combination



**TPE-H08**  
The combination of logs and titanium gold



**TPE-H09**  
Hair-textured square handrail



**TPE-H10**  
Organic board handrail



**TPE-H11**  
Round log



**TPE-H12**  
Organic board handrail

# OTHER DECORATION LANDING DOOR SERIES



**TPE-D01**  
Hairline stainless steel



**TPE-D02**  
Painted steel plate



**TPE-D03**  
Mirror etched stainless steel



**TPE-D04**  
Mirror sand-blasting stainless steel



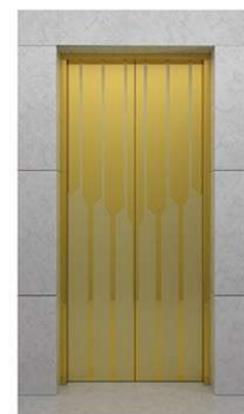
**TPE-D05**  
Hairline etched stainless steel



**TPE-D11**  
Ti-gold hairline stainless steel



**TPE-D12**  
Mirror Ti-gold etched stainless steel



**TPE-D13**  
Mirror Ti-gold etched stainless steel



**TPE-D14**  
Mirror Ti-gold etched stainless steel



**TPE-D06**  
Mirror etched stainless steel



**TPE-D07**  
Mirror etched stainless steel



**TPE-D08**  
Mirror etched stainless steel



**TPE-D09**  
Mirror etched stainless steel



**TPE-D10**  
Mirror etched stainless steel



**TPE-D15**  
Black titanium hairline stainless steel



**TPE-D16**  
Champagne gold mirror etched stainless steel



**TPE-D17**  
Rose gold hairline stainless steel



**TPE-D18**  
Bronze mirror etched stainless steel

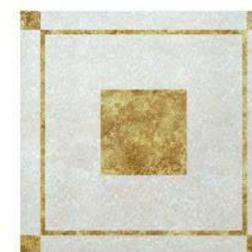


**TPE-D19**  
Hairline stainless steel frame + safety glass

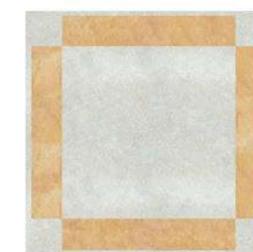
# OTHER DECORATION FLOOR SERIES



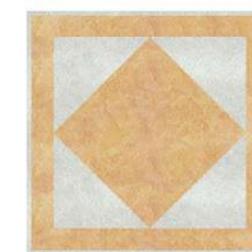
TPE-F01



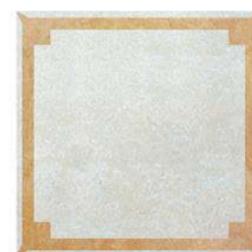
TPE-F02



TPE-F03



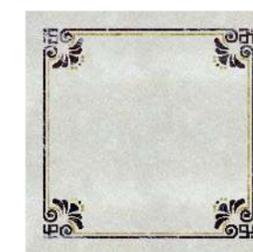
TPE-F04



TPE-F05



TPE-F06



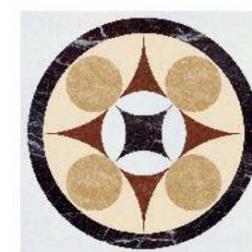
TPE-F07



TPE-F08



TPE-F09



TPE-F10



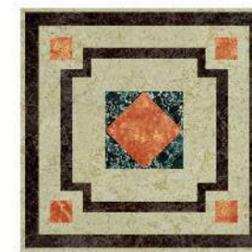
TPE-F11



TPE-F12



TPE-F13



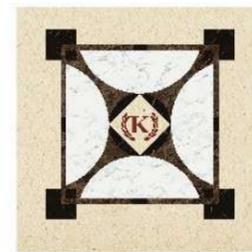
TPE-F14



TPE-F15



TPE-F16



TPE-F17



TPE-F18



TPE-F19



TPE-F20



# PANORAMIC ELEVATOR

## AN EXCELLENT VIEWING EXPERIENCE

TOWARDS sightseeing elevator not only offers passengers an all-round and unobstructed view of the city landscape, but also ingeniously integrates into the overall aesthetics of the building. Whether it is a commercial complex or a high-end residence, TOWARDS sightseeing elevator can blend harmoniously with the surrounding environment, making every lift and fall an unforgettable visual feast.



### BROAD VISION

High-strength transparent glass offers a 360-degree panoramic sightseeing experience, allowing you to fully enjoy the beautiful scenery during your journey.



### ENHANCE THE VALUE OF BUILDINGS

TOWARDS sightseeing elevator can create additional value and visitor flow for commercial complexes and tourist attractions.

# PANORAMIC ELEVATOR CAR DECORATION

## TPE-G01 >

[ Standard ]

Car cover: Spray-painted steel plates wrapped with brushed stainless steel

Observation wall: 5+5 safety laminated glass

Ceiling: Mirror stainless steel frame, equipped with LDE downlights, mirror stainless steel perforated decorative panel + milky white acrylic for light transmission

Car wall: Brushed stainless steel

Handrail: Mirror stainless steel round handrail

Floor: PVC (Optional marble)



## TPE-G03

[ Optional ]

Car cover: Tempered glass + hairline stainless steel

Ceiling: Hairline stainless steel + LED down lamp

Back and side wall: Hairline stainless steel + laminated tempered glass(5+5)

Front wall: Hairline stainless steel + laminated tempered glass(5+5)

Handrail: Mirror stainless steel tube

Floor: PVC (Optional marble)

## TPE-G04

[ Optional ]

Car cover: Baking finish steel plate + acrylic

Ceiling: Powder coated steel plate + acrylic + LED down lamp

Back and side wall: Hairline stainless steel + laminated tempered glass (5+5)

Front wall: Hairline stainless steel

Handrail: Mirror stainless steel tube

Floor: PVC (Optional marble)

## TPE-G05

[ Optional ]

Car cover: Baking finishing steel plate + acrylic + LED down lamp

Ceiling: Hairline stainless steel + acrylic

Back and side wall: Hairline stainless steel + laminated tempered glass(5+5)

Front wall: Hairline stainless steel

Handrail: Mirror stainless steel tube

Floor: PVC (Optional marble)

## TPE-G02 >

[ Optional ]

Car cover: Laminated glass

Ceiling: Hairline stainless steel + acrylic + down lamp

Back and side wall: Hairline stainless steel + laminated glass

Front wall: Hairline stainless steel + laminated tempered glass (5+5)

Handrail: Mirror stainless steel tube

Floor: PVC (Optional marble)



# HOSPITAL ELEVATOR

2



## PROTECT YOUR HEALTH EVERY STEP

TOWARDS medical passenger elevators are specially designed for medical institutions, dedicated to providing safe, comfortable and efficient vertical transportation solutions for patients, medical staff and hospital visitors, making passengers feel safe and cared for every time they take the elevator.



### SPACIOUS AND BRIGHT

The elevator car is spacious and can easily accommodate hospital beds, wheelchairs and caregivers. Meanwhile, the elevator door is designed to be wide, facilitating the entry and exit of large-sized medical equipment and greatly improving the internal Passenger efficiency of the hospital.



### HUMANIZED DESIGN

The interior decoration is made of antibacterial materials. The cabin is equipped with barrier-free handrails, easy-to-operate control panels, as well as multiple prompt sounds and voice announcement systems, taking into account the actual needs of patients and medical staff.

# HOSPITAL ELEVATOR CAR DECORATION



## TPE-B01 [ Standard ]

Ceiling: Stainless steel mirror frame, LED lighting

Car wall: Hairline stainless steel

Car door: Hairline stainless steel

Handrail: Flat stainless steel (three side)

Floor: PVC (Optional marble)



## TPE-HCOP01

Operation panel for disabled

# FREIGHT ELEVATOR



## YOUR GOODS TRANSPORTATION EXPERT

TOWARDS serial freight elevator fully utilizes the advanced and fully computerized control technology. It employs the well-developed VVVF control system of TOWARDS elevator. It is simple in structure and convenient in repair and maintenance. It fulfils a qualitative leap in the aspects of the signal transmission and running control. It brings about the more stable and reliable system, the lower noise, the smoother running, the more accurate leveling. It is easier for the goods entry and exit.



### LARGE WIDTH DOOR OPENING, FREE ENTRY / EXIT

For the convenience of free entry / exit of large bulk freight, TOWARDS freight elevator series apply multi-folded car structures. It can reach maximum width while opening the car door.



### THE DURABLE AND ANTI-AGEING HIGH-STRENGTH MATERIALS

TOWARDS freight elevator not only applies high-intensity section materials to manufacture the cars, but also implements special reinforcement design to the car platform. It brings more durable and anti-ageing products.



### SMOOTH RUNNING

With the characteristic of high precision manufacture, the elevator is driven by gearless machine and closed loop control VVVF driven system, the elevator will start, run and stop comfortably.

### SPACE-SAVING

Permanent magnet synchronous and gearless traction machine has characteristics like light weight, compact structure, small size etc., which can save space required by goods elevator. It is convenient for the shaft arrangement of the machine room less goods elevator.



## MACHINE ROOMLESS FREIGHT ELEVATOR

### LIMITS BREAKTHROUGH ROBUST AND EFFICIENT

TOWARDS machine roomless freight elevators are in compact structure, adopting gearless synchronous hoister and a slim control cabinet. Therefore, no machine room space is required, which greatly reduces the construction costs and elevates the quality of the elevators, making it the model for modern vertical transportation.



**TPE-COP01**  
[ Standard ]



**TPE-LOP01**  
[ Standard ]

### TPE- FC01 [ Standard ]

Car ceiling: Steel plate with spraying plastics  
 Car wall, car door: Steel plate with spraying plastics  
 COP: Hairline stainless steel  
 Car floor: Steel plate with decorative design  
 Door opening mode: 4-panels center opening

### CRASH BARRIER



Wooden



Black rubber

### FLOOR



Ordinary checkered steel plate I [ Standard ]



Ordinary checkered steel plate II [ Optional ]

### LANDING DOOR



**TP-HM001**  
[ Standard ]  
Center opening



**TP-HM001**  
[ Optional ]  
Side opening



**TP-HM002**  
[ Optional ]  
Center-opening & Double-folded type



**TP-HM001**  
[ Optional ]  
Center-opening & 3-Folded type

# FUNCTION TABLE

Standard function	
Elevator variable frequency drive	Precisely adjust the motor speed to make the speed curve of the elevator start, run and stop smooth and smooth, and obtain good comfort
Door motor variable frequency drive	Precisely adjust the motor speed to make the opening and closing of the door more gentle and sensitive
Landing floor, direction indication	The landing station shows the floor where the elevator is located and the current direction of operation
Early opening	The elevator decelerates into the open door area and automatically opens the door to improve operation efficiency
Car accidental movement protection	If the floor door is not locked and the car door is not closed, the elevator shall have a protective device to prevent or stop the unexpected movement of the car away from the landing.
Full-loading pass directly	When the car is full of passengers or the load is close to the predetermined value, in order to maintain maximum operating efficiency, the car will automatically pass the call landing
The opening time is automatically adjusted	Automatically adjust the holding time according to the difference between landing call or car call
Re-open the door	On the way to close the door, you can press the call button of this floor to reopen the door
Instant door close	When the elevator stops open in place, press the door close button and the door will be closed immediately
Stop the elevator and then open the door	The elevator slows down and does not open until it has come to a complete stop
Instruction register deletion	If you press the wrong floor instruction button in the car, you can cancel the registered instruction by pressing the same button twice
Direct stop	Completely based on the principle of distance, the flat layer has no crawling, which greatly improves the operating efficiency
Light curtain protection	A door protection device that detects passengers and objects with infrared light covering the entire door height during door opening and closing
Designated stop	For some reason, the elevator cannot open on the destination floor, and the elevator will be closed and run to the next designated floor
Overloading stop	When the car is overloaded, it sounds the buzzer and stops at the landing
Internal counter protection against stall	When the traction wire rope slips and cannot operate normally, the elevator stops running
Startup protection control	If the elevator does not leave the gate area within the specified time after starting, the elevator will stop running
Overhaul operation	When entering the maintenance state, the car runs at a low speed
Fault self-diagnosis	The controller can record the latest 11 failures in order to quickly troubleshoot and quickly resume elevator operation
The elevator doors open and close repeatedly	Sometimes due to obstruction or interference, the elevator door fails to close, and the elevator door will be repeatedly opened or closed until the debris is removed
Upper and lower crossing layer and upper and lower limit protection device	The device can effectively prevent the top or bottom of the elevator when it is out of control, making the elevator safer and more reliable
Down-running overspeed protection	When the speed of the elevator down operation exceeds 1.2 times of the rated speed, the device automatically cuts off the control power, so that the motor stops running to prevent the elevator from speeding down; If the elevator continues to speed down, its speed exceeds 1.4 times the rated speed, the safety clamp action, forcing the elevator to stop running, to ensure safety
Up-running overspeed protection	When the speed of the elevator is more than 1.2 times the rated speed, the device will automatically slow down or stop the elevator

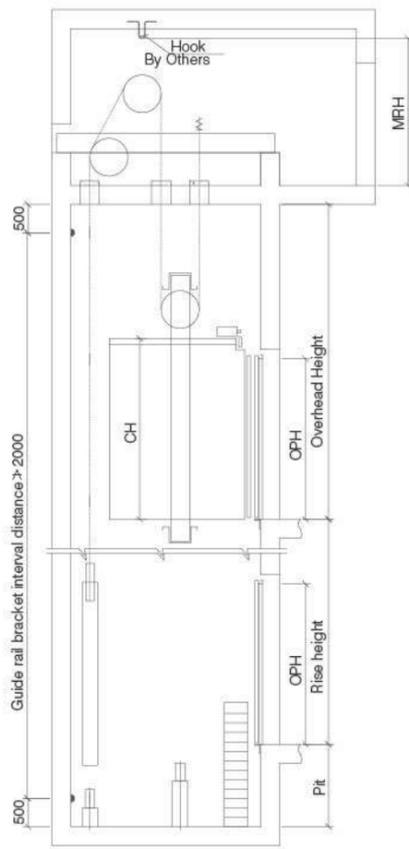
Standard function	
Micromove command button in car and landing	The command button of the control box in the car and the call button of the landing station adopt a new type of micro-motion button
Car interior floor, direction indication	The car displays the floor where the elevator is located and the current running direction
Emergency lighting	In case of power failure, the emergency lighting inside the car will be opened automatically
Jog running	When entering the emergency electric state, the car runs at a low speed
Five way intercom	Through the intercom, it can make the conversation between the car, the car top, the elevator room, the shaft pit and the rescue duty room
Alarm bell	In case of emergency, continuously press the alarm button on the control box in the car, and the electric bell installed on the top of the car will ring
Firefighting return	Activate the key switch on the base station or monitoring screen, all calls are cancelled, the elevator immediately sails to the designated rescue landing, and automatically opens the door
Car fan/lighting automatic switch	When there is no call or command signal within the specified time, the fans and lighting in the car are automatically turned off to save energy
Remote shutdown	With the key switch, the elevator can be summoned to the base station (after the service is completed) and automatically withdrawn from service
Reverse run protection	When more than three commands appear when the elevator is lightly loaded, in order to avoid unnecessary stops, all registered calls in the car will be automatically eliminated
Voice station	During the operation of the elevator, it automatically reports the direction of travel and the upcoming floor to passengers

Optional function	
Auto rescue device	When the normal power supply is cut off, the rechargeable battery provides the elevator power, and the elevator moves to the nearest landing station
Group control function	It is used when three or more elevators of the same model are controlled in a group, so that the elevator group can choose the most appropriate response by itself, avoid repeated elevator stops, shorten the waiting time of passengers, and improve operation efficiency
Duplex control	It is used for two elevators of the same model to uniformly respond to the call signal through computer scheduling, so as to minimize the waiting time of passengers and improve operation efficiency
Peak service while go-work time	During the scheduled working hours, when the transport to the base station is particularly busy, the ladder is constantly sent to the base station to meet the peak demand at work
Peak service while off-work time	Send ladders to the top floor to meet off-duty peak demand during scheduled off-duty hours
Disabled control box	It is convenient for wheelchair-bound passengers and visually impaired passengers in the car
Remote monitoring	Through the modem and telephone, the remote monitoring and control of the elevator can be realized, which is convenient for manufacturers and service units to understand the operating status of each elevator in time, so as to make corresponding measures in time
IC card control function	All (some) landing stations must be authorized to operate the elevator by inputting car instructions via IC card

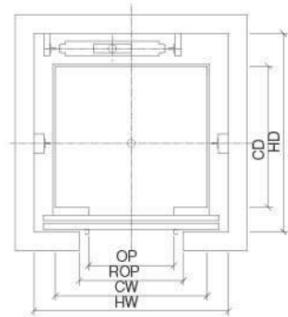
# CONSTRUCTION PARAMETERS

## SMALL MACHINE ROOM PASSENGER ELEVATOR

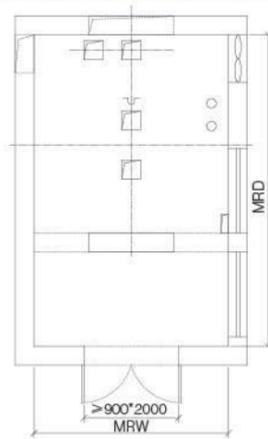
Hoistway elevation



Hoistway plane graph



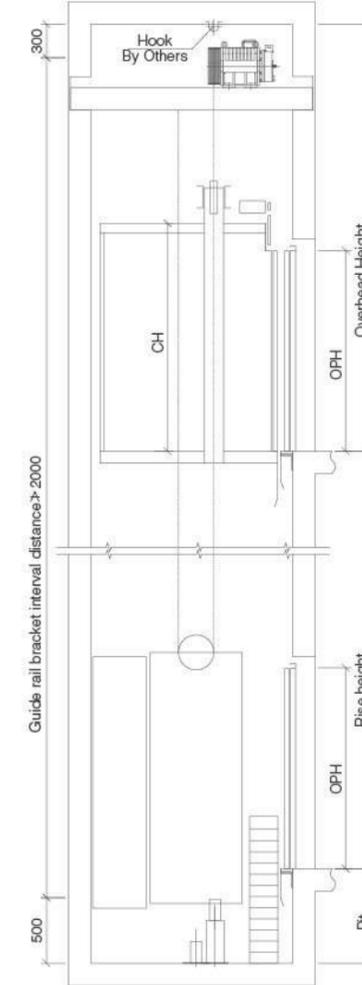
Machine room plane graph



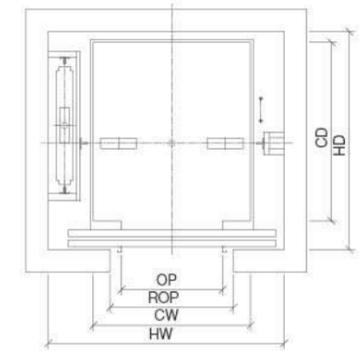
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		CW	CD	CH	OP	OPH	HW	HD	OH	Pit			
450	1.0	1200	1100	2400	700	2100	1600	1700	4300	1500	1600	2700	2500
	1.5								4400	1600			
630	1.0	1400	1100	2400	800	2100	1800	1700	4300	1500	1800	2700	2500
	1.5								4400	1600			
800	1.75	1400	1350	2400	800	2100	1800	1950	4500	1700	1800	2950	2500
	2.0								4800	1800			
	2.5								5000	1900			
	1.0								4300	1500			
	1.5								4400	1600			
	1.75								4500	1700			
1000	2.0	1600	1500	2400	900	2100	2000	2100	4800	1800	2000	3100	2500
	2.5								5000	1900			
	1.0								4300	1500			
	1.5								4400	1600			
	1.75								4500	1700			
	2.0								4800	1800			
1150	2.5	1700	1500	2400	1000	2100	2100	2100	4300	1500	2100	3100	2500
	1.0								4400	1600			
	1.5								4400	1600			
	1.75								4500	1700			
	2.0								4800	1800			
	2.5								5000	1900			
1350	1.0	1950	1500	2400	1100	2100	2350	2100	4300	1500	2350	3100	2500
	1.5								4400	1600			
	1.75								4500	1700			
	2.0								4800	1800			
	2.5								5000	1900			
	1.0								4300	1500			
1600	1.5	1950	1750	2400	1100	2100	2350	2350	4400	1600	2350	3350	2500
	1.75								4500	1700			
	2.0								4800	1800			
	2.5								5000	1900			
	1.0								4300	1500			
	1.5								4400	1600			

# MACHINE ROOMLESS PASSENGER ELEVATOR

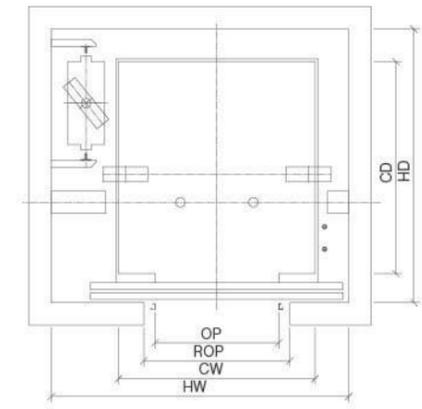
Hoistway elevation



Hoistway plane graph  
450KG -1150kg



Hoistway plane graph  
1250KG -1600kg

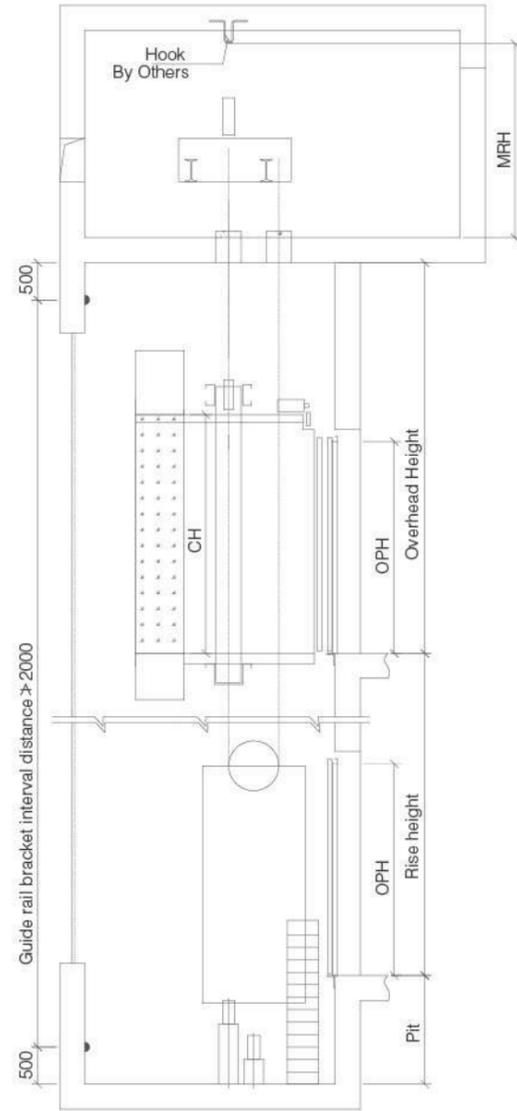


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		CW	CD	CH	OP	OPH	HW	HD	OH	Pit		
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630	1.0	1100	1400	2400	750	2100	1700	1800	4300	1500	4400	1600
	1.5								4400	1600		
	1.75								4500	1700		
800	2.0	1350	1400	2400	800	2100	1950	1800	4300	1500	4400	1600
	1.0								4400	1600		
	1.5								4500	1700		
	1.75								4500	1700		
	2.0								4800	1800		
	2.5								5000	1900		
1000	1.0	1400	1600	2400	900	2100	2000	2000	4300	1500	4400	1600
	1.5								4400	1600		
	1.75								4500	1700		
	2.0								4800	1800		
	2.5								5000	1900		
	1.0								4300	1500		
1150	1.5	1600	1600	2400	1000	2100	2200	2000	4300	1500	4400	1600
	1.0								4400	1600		
	1.5								4500	1700		
	1.75								4500	1700		
	2.0								4800	1800		
	2.5								5000	1900		
1250	1.0	1800	1600	2400	1100	2100	2700	2300	4500	1500	4700	1600
	1.5								4700	1600		
	1.75								4800	1700		
	2.0								4800	1700		
	2.5								5000	1900		
	1.0								4500	1500		
1350	1.5	1900	1600	2400	1100	2100	2800	2300	4700	1600	4800	1700
	1.0								4500	1500		
	1.5								4700	1600		
	1.75								4800	1700		
	2.0								4800	1700		
	2.5								5000	1900		
1600	1.0	1900	1750	2400	1100	2100	2800	2400	4500	1500	4700	1600
	1.5								4700	1600		
	1.75								4800	1700		
	2.0								4800	1700		
	2.5								5000	1900		
	1.0								4500	1500		

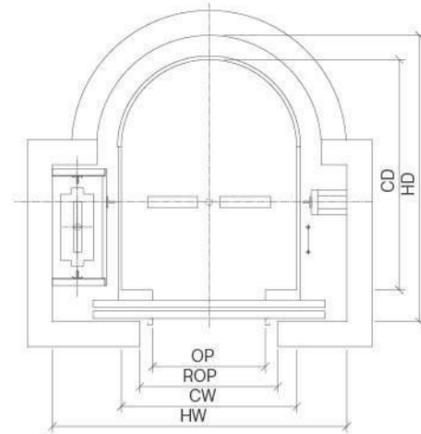
# CONSTRUCTION PARAMETERS

## PANORAMIC ELEVATOR

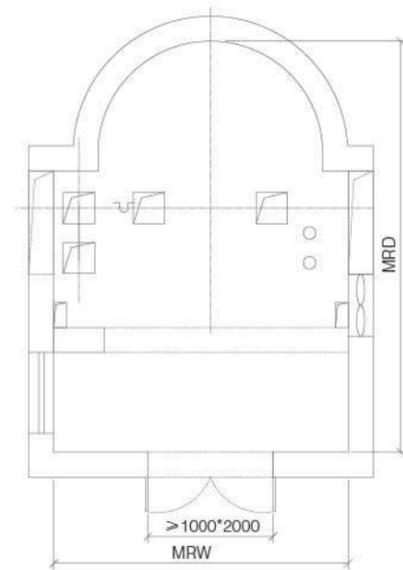
Hoistway elevation



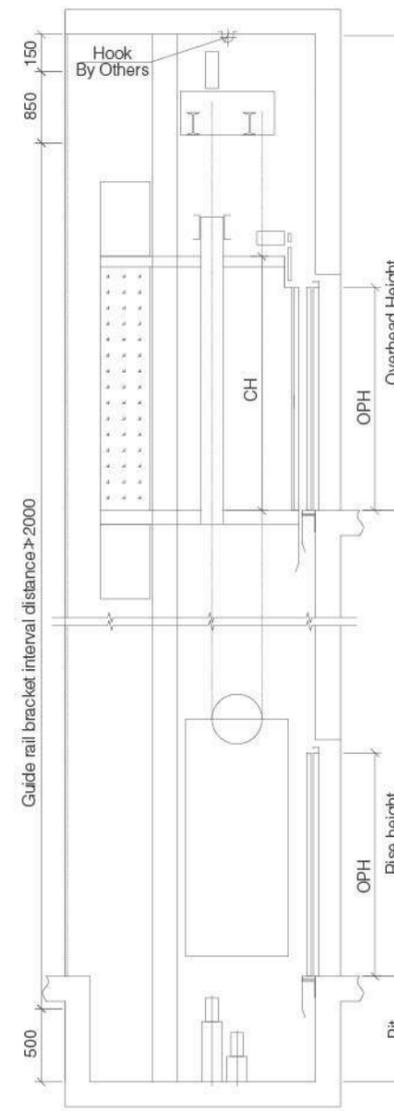
Hoistway plane graph



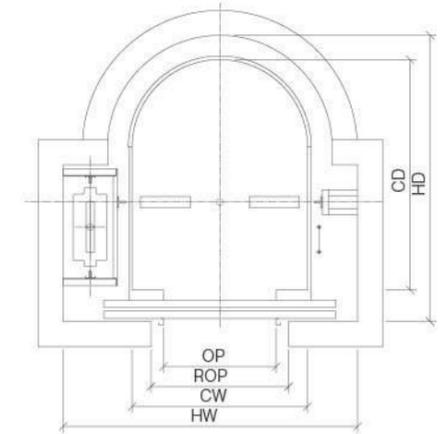
Machine room plane graph



Hoistway elevation



Hoistway plane graph



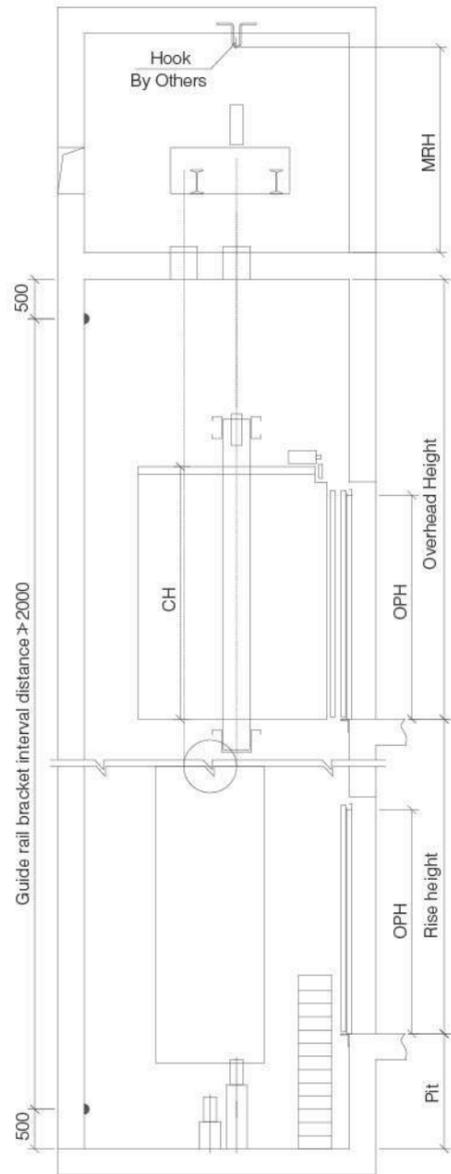
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		CW	CD	CH	OP	OPH	HW	HD	OH	Pit			
630	1.0	1100	1600	2400	800	2100	2100	2100	4500	1800	2100	2100	2500
	1.5								4600	1900			
	1.75								4600	1900			
800	1.0	1200	1750	2400	800	2100	2200	2200	4500	1800	2200	2200	2500
	1.5								4600	1900			
	1.75								4600	1900			
1000	1.0	1400	1850	2400	900	2100	2400	2300	4500	1800	2400	2300	2500
	1.5								4600	1900			
	1.75								4600	1900			
1600	1.0	1700	2250	2400	1100	2100	2700	2700	4500	1800	2700	2700	2500
	1.5								4600	1900			
	1.75								4700	1900			

LOAD KG	SPEED M/S	CAR SIZE MM			OPENING SIZE MM		HOISTWAY SIZE MM						
		CW	CD	CH	OP	OPH	HW	HD	OH	Pit			
630	1.0	1100	1600	2400	800	2100	2100	2100	4500	1800	2100	2100	2500
	1.5								4600	1900			
	1.75								4600	1900			
800	1.0	1200	1750	2400	800	2100	2200	2200	4500	1800	2200	2200	2500
	1.5								4600	1900			
	1.75								4600	1900			
1000	1.0	1400	1850	2400	900	2100	2400	2300	4500	1800	2400	2300	2500
	1.5								4600	1900			
	1.75								4600	1900			
1600	1.0	1700	2250	2400	1100	2100	2700	2700	4500	1800	2700	2700	2500
	1.5								4600	1900			
	1.75								4700	1900			

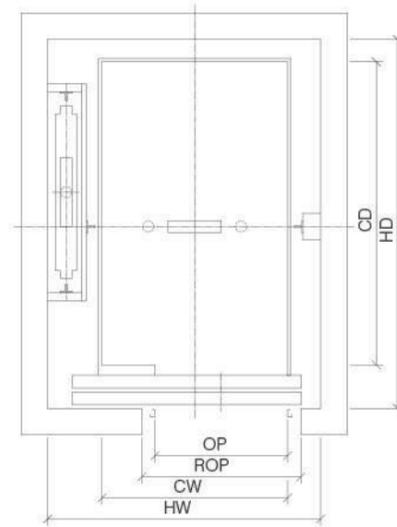
# CONSTRUCTION PARAMETERS

## HOSPITAL ELEVATOR

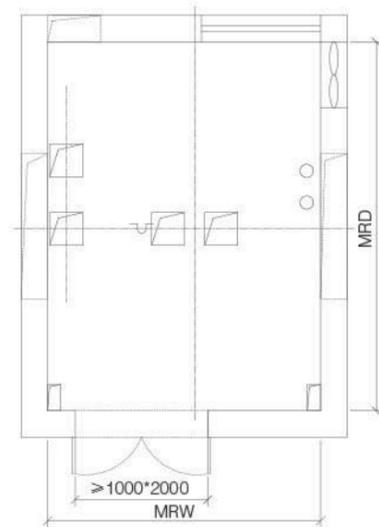
Hoistway elevation



Hoistway plane graph

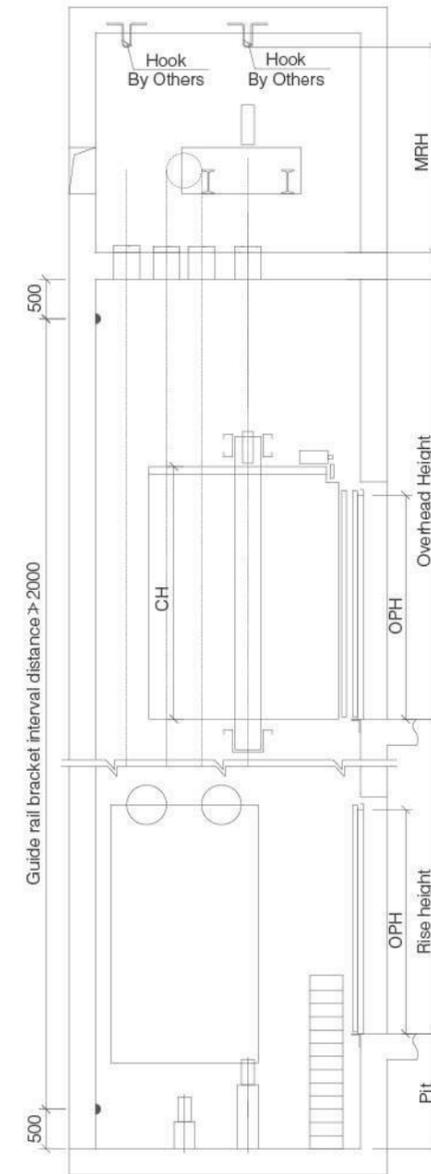


Machine room plane graph

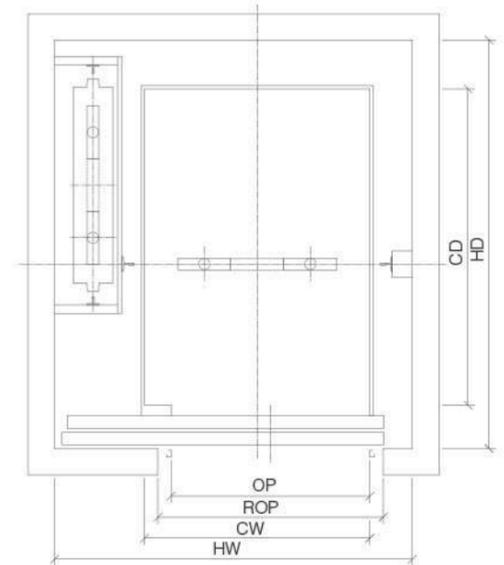


# FREIGHT ELEVATOR

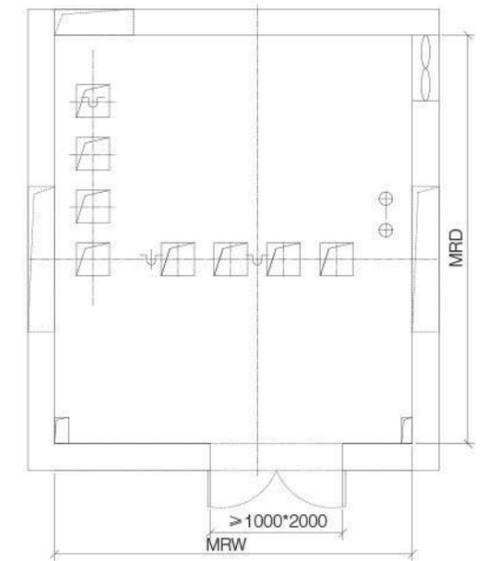
Hoistway elevation



Hoistway plane graph



Machine room plane graph



LOAD KG	SPEED M/S	CAR SIZE MM			OPENING SIZE MM			HOISTWAY SIZE MM			MRW MM	MRD MM	MRH MM
		CW	CD	CH	OP	OPH	HW	HD	OH	Pit			
1600	1.0												
	1.5	1400	2400	2400	1200	2100	2200	2850	4300	1500	2200	2850	2500
	1.75								4400	1600			
									4500	1700			

LOAD KG	SPEED M/S	CAR SIZE MM			OPENING SIZE MM			HOISTWAY SIZE MM			MRW MM	MRD MM	MRH MM
		CW	CD	CH	OP	OPH	HW	HD	OH	Pit			
2000	0.5	1700	2400	2400	1500	2100	2700	3100	4500	1500	2700	3100	3000
3000	0.5	2000	2800	2400	1700	2100	3000	3300	4500	1500	3000	3300	3000
5000	0.5	2600	3400	2400	2200	2100	4000	3900	4600	1600	4000	3900	3000

# PROFESSIONAL SERVICE

TOWARDS has always adhered to the service philosophy of putting customers first, providing one-stop professional services throughout the entire life cycle, from design, production, installation to maintenance and upgrade. With an efficient and professional service attitude, and with sincerity and professionalism, we strive to ensure customers' peace of mind throughout their entire life cycle.



## WITH CARE AND DEDICATION, YOU'LL HAVE NO WORRIES THROUGHOUT THE JOURNEY



### WORLDWIDE NETWORK LAYOUT

TOWARDS has established a complete spare parts warehousing system in major countries with agencies across the world to ensure comprehensive service coverage and rapid response without delay.



### 24-HOUR SERVICE HOTLINE

We have opened a 24-hour customer hotline all day long. Our professional team is on standby at all times and will handle emergencies immediately.



### REGULAR INSPECTION AND MAINTENANCE

Regularly dispatch professional maintenance personnel to proactively inspect the operational status of the equipment, identify and eliminate potential hazards in advance, and ensure the safe operation of the equipment.



### CUSTOMIZED MAINTENANCE AND REPAIR SERVICES

Based on the actual needs of customers, we formulate personalized maintenance plans, tailor professional maintenance solutions, and track the entire process to ensure efficient operation.