

**KOYO**  
elevator



Elevator

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elevator

**KOYO ELEVATOR CO.,LTD.**

Tel: +86-512-5764 6238 / 5706 5517

Fax: +86-512-5764 6808

Add: No.3 Caimao Rd,Zhoushi, Kunshan, 215313, China

E-mail: info@koyocn.com

Web: www.koyocn.com



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98

selling over 98 countries  
and regions

16

Being Industry model basing  
on creating 16 first-elevator-  
company in the world



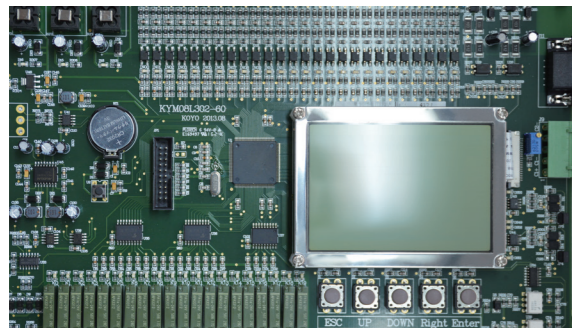
KOYO Elevator Co., Ltd. established a modern production base in Kun Shan city, with total investment of USD130 million in 2002. KOYO is a professional designer, researcher, manufacturer, seller, installer and maintainer of elevator, escalator, passenger conveyer with more than 230,000 square meters land area. At present, KOYO combined with German technology, can produce up to 8m/s speed, 8 group-controlled elevator with 64 floors, 25 m rise height of escalator and 200m length passenger conveyer.

KOYO has cooperated with Suzhou University and Shanghai Jiao Tong University, and successfully researched and developed its own board and control system. Since being established in 2002, KOYO products have been sold well in Germany, France, Italy, America, UK etc. Sales network has reached to 98 countries and areas.

KOYO indraughts advanced fabrication process from Germany and use full-automatic metal plate production equipment. The manufacture of product strictly enforces CCC,GB,VDI, EN81,EN115,CE,TUV,IEC ect. KOYO has been awarded as Hi-Tech Enterprise by the government and also got ISO9001 quality standard certificate, ISO14001 Environmental Management System certificate, OHSAS18001 certificate by international Occupational Health & safety Management System.



# INTELLIGENT TECHNOLOGY



## Advanced Cotroll system

Using dual 32-bit embedded processor to complete the elevator operation functions and motor drive control.



## Destination Dispatching Function

According to the different stops of the passengers, This function can optimize the allocation of multiple elevators to reduce the stops and provide more efficient service.



## Remote monitoring system

This function is equipped with remote monitoring network system to achieve full coverage detection and management which greatly enhance the efficiency and quality of after-sales service and the elevator safety level



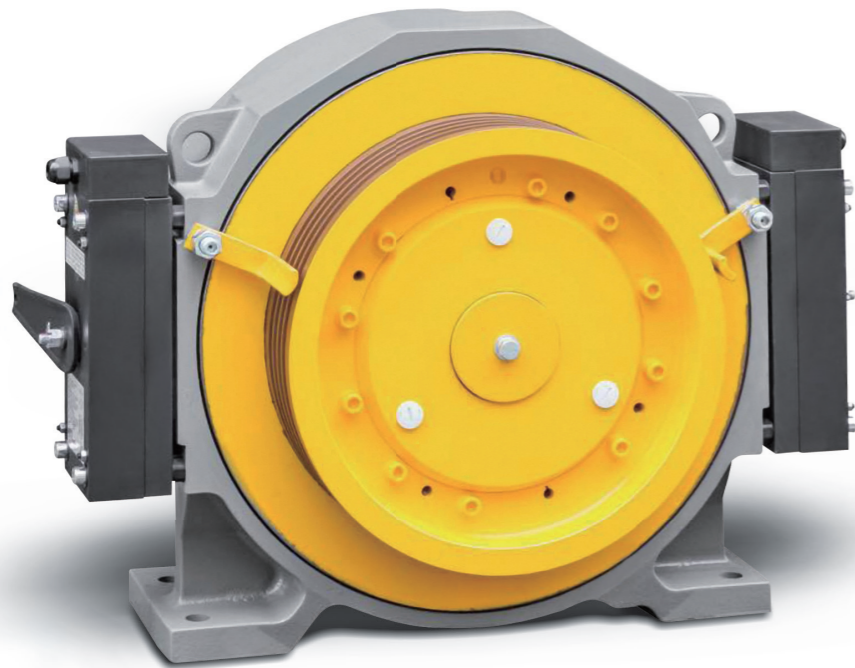
## Intelligent identification system

Using the IC card, face recognition ect to control the elevator which greatly enhance the safety of building management and make the passenger feel safety.



# ENERGY SAVING

New-Generation Permanent Magnet Synchronous Gearless Traction Machine



## New-Generation Permanent Magnet Synchronous Gearless Traction Machine

KOYO uses PM gearless machine with energy saving, compact structure, superior performance, by which the elevator can achieve over 40% energy saving.



## Energy regeneration feedback technology

When go downward with full load or go upwards with empty load, the elevators will create the electricity which can be used for other devices and extend the elevator life span and decrease Energy consumption 20%



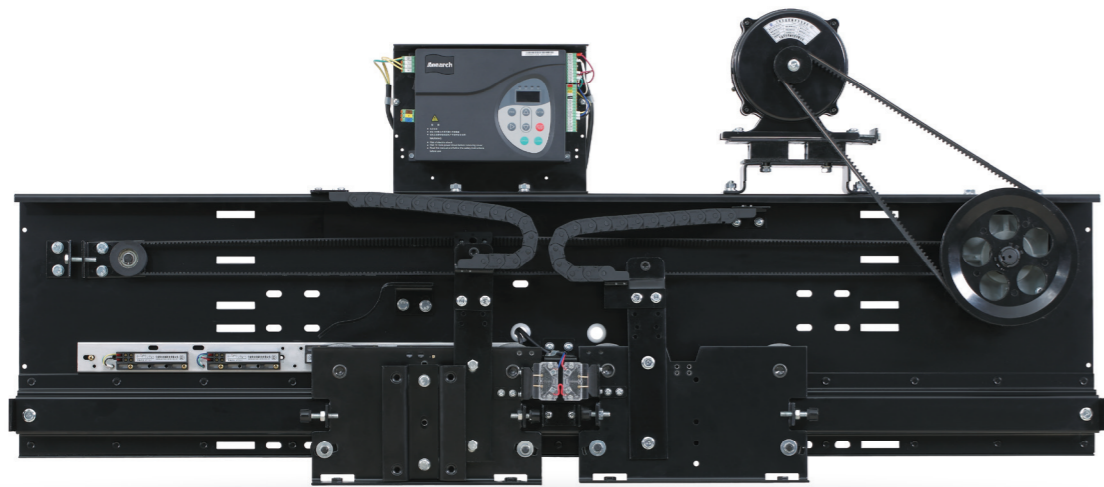
## Group Control System Technology

Support 8 group control, through the group control system coordination and scheduling, unified management to improve load efficiency and reduce energy consumption.



# SAFE AND COMFORT

VVF door control System



## VVF door control System

KOYO Elevator use AC permanent magnet and VVF door control system. The door open and close curve can be adjusted. The doors are safe, comfortable, low noise, stable and reliable performance.

## Infrared light curtain protection system

The light curtain protection network in the elevator entrance can detect any people and goods which can protect personal safety effectively.

## Precise position control system

KOYO take the advantage of the advanced sensor to realize real-time signal feedback and process and achieve the car leveling without error. Reliable car unique memory technology to ensure that the elevator can stop to open the door in advance and leveling safety function.

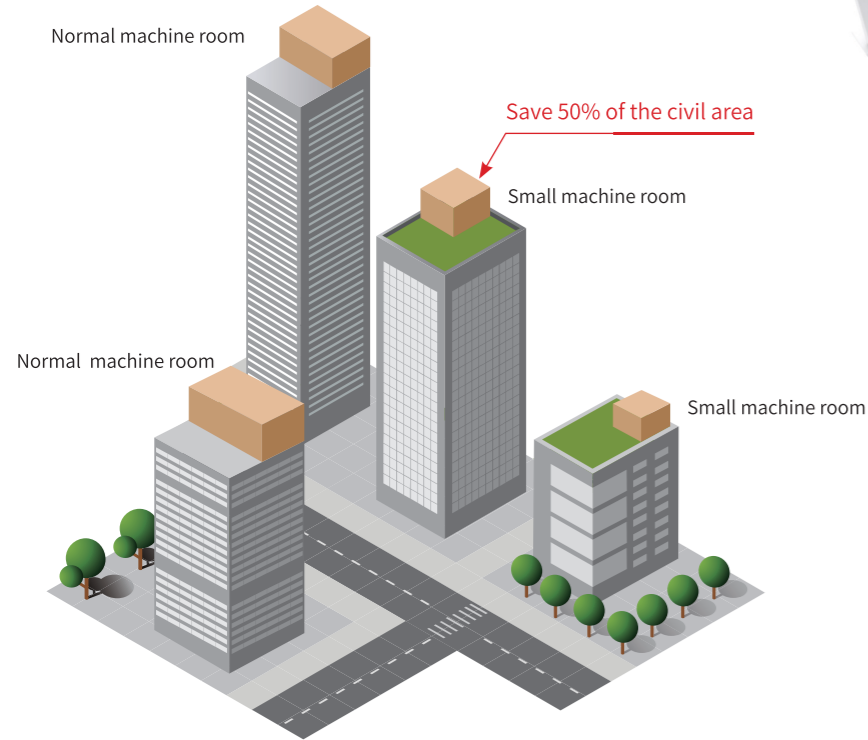
**Save pace, save construction costs**

Compared with normal machine room size, small machine room could save over 50%, is easy for construction layout and increases the utilization rate of construction area.

**Small Machine Room Passenger Elevator**



The machine room height is only 2800mm, Reduced more than 20% height than normal machine room, Saves the building cost.



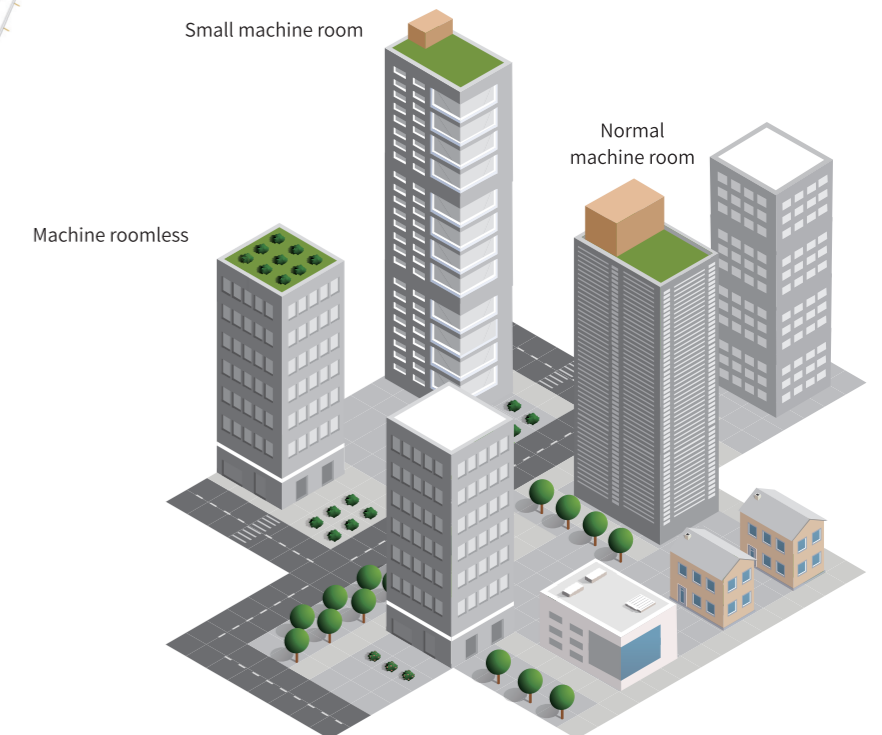
**Optimize design , Create space**

Put the machine room components fixed inside the shaft, Save the building space, decrease the building cost

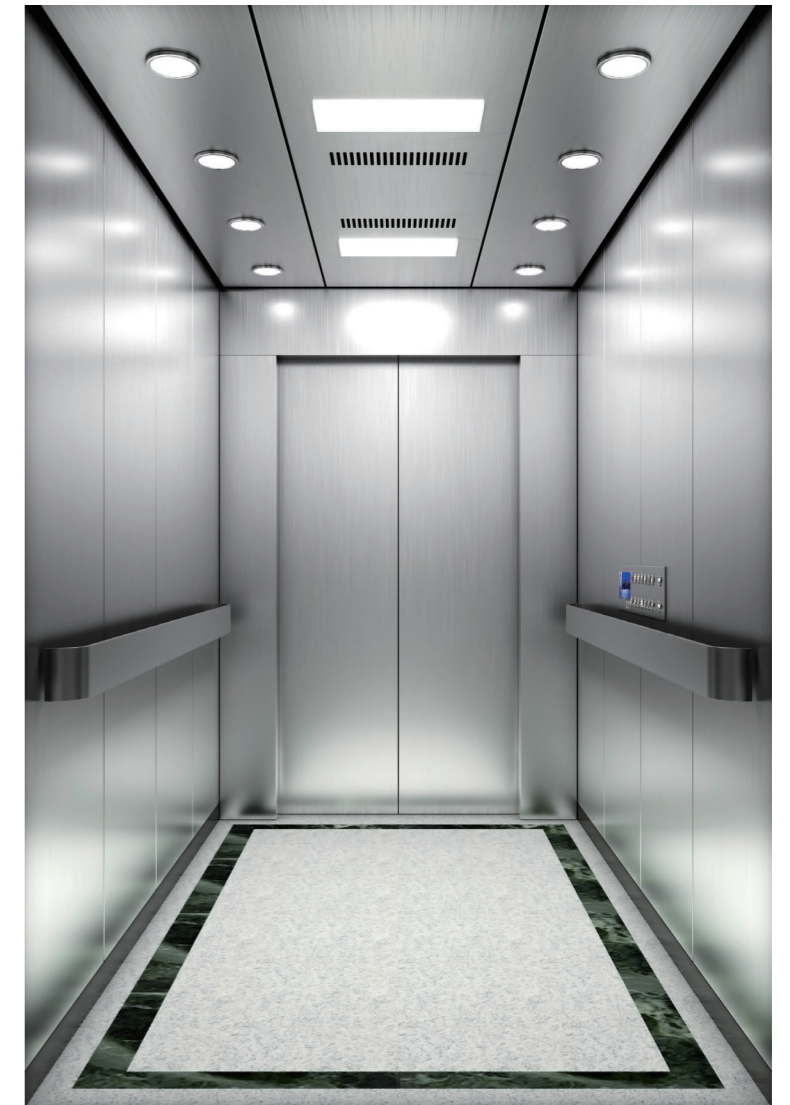
**MRL Passenger Elevator**



Cabin sound insulation technology, quiet and comfortable, double cabin, effectively reduce MRL elevator operation noise, Make a more quiet and comfortable environment



# HOSPITAL ELEVATOR



Model: **KYC500-2017**

Ceiling : Hairline stainless steel , LED light

Cabin wall : Hairline stainless steel

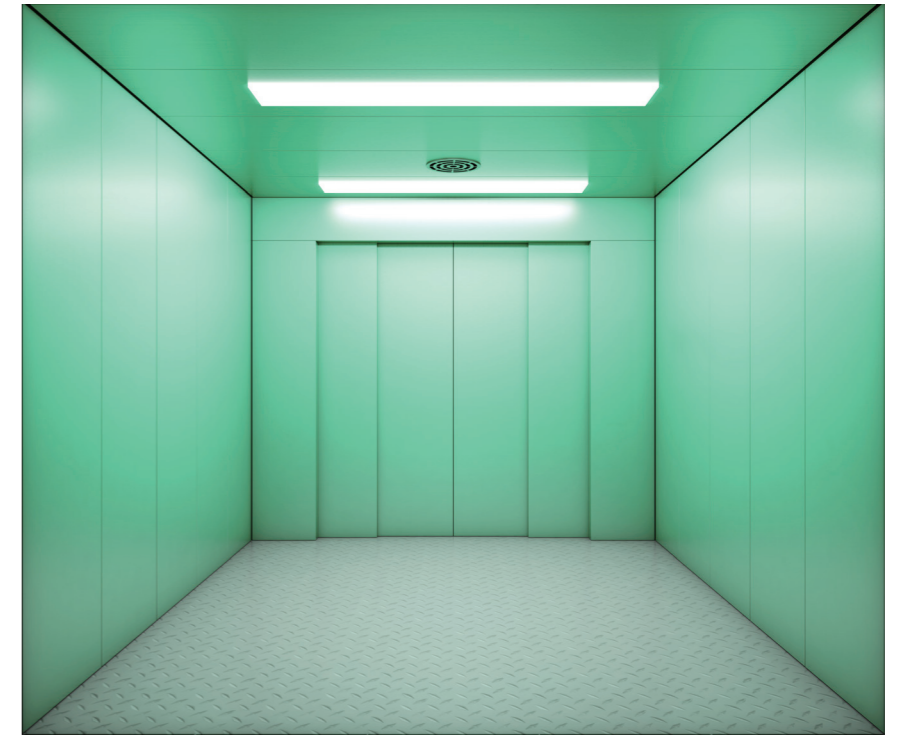
Handrail : Hairline stainless steel

Floor: PVC





# FREIGHT ELEVATOR



Model: **KYC501-2017**

Ceiling : Painted steel , LED light, Fan

Cabin wall : Painted steel

Floor: Checkered steel plate

Painted color

RAL 1027

RAL 1020

RAL 5024

RAL 5009

RAL 9001

# HOME ELEVATOR



Model: **KYC502-2017**

**Ceiling :** Mirror stainless steel, Acrylic, LED light.

**Cabin wall :** Champaign gold stainless steel, etched stainless steel

**Handrail :** Mirror stainless steel

**Floor:** PVC



Model: **KYC503-2017**

**Ceiling :** Hairline stainless steel, Acrylic, LED light

**Cabin wall :** Hairline stainless steel, Wood grain decorative sheet

**Handrail :** Hairline stainless steel

**Floor:** PVC

# CAR ELEVATOR



# CABIN

# DECORATION



Model: **KYC504-2017**  
(Standard configuration)

**Ceiling:** Hairline stainless steel, Acrylic, LED lights

**Car Walls:** Hairline stainless steel

**Floor:** PVC



Model: **KYC505-2017**  
(Standard configuration)

**Ceiling:** Hairline stainless steel, Acrylic, LED lights

**Car Walls:** Mirror / Hairline stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



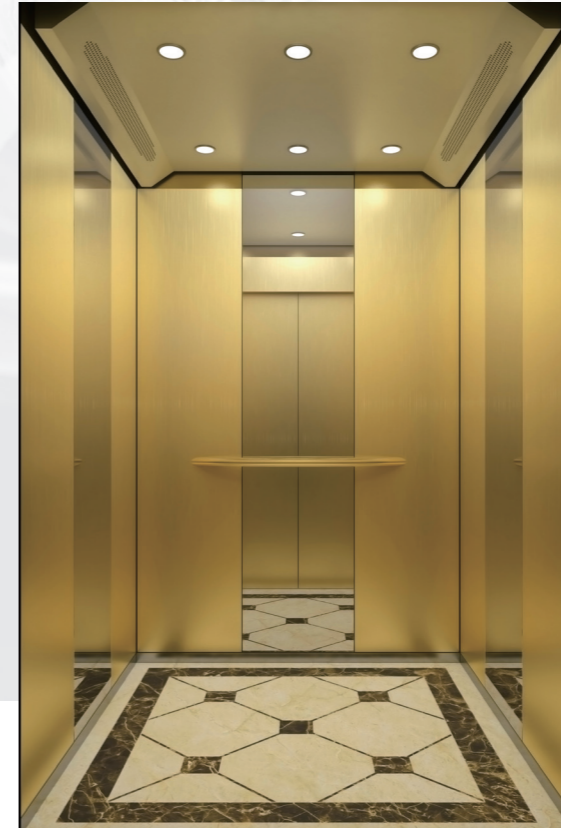
**Model: KYC029-2017**

**Ceiling:** Painted Steel, Acrylic, LED lights  
**Car Walls:** Brushed Stainless Steel, Mirror Polished Stainless Steel  
**Handrail:** Stainless steel Tube  
**Floor:** PVC



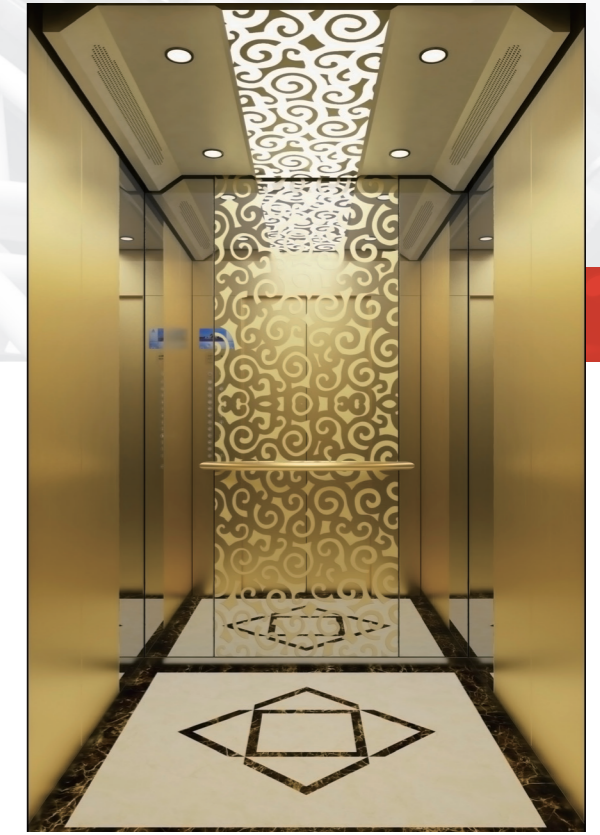
**Model: KYC030-2017**

**Ceiling:** Painted Steel, LED lights  
**Car Walls:** Brushed Stainless Steel, Mirror Polished Stainless Steel  
**Handrail:** Stainless steel Tube  
**Floor:** PVC



**Model: KYC031-2017**

**Ceiling:** Painted Steel, LED lights  
**Car Walls:** Brushed Stainless Steel, Golden Mirror Polished Stainless Steel  
**Handrail:** Titanized Stainless steel Tube  
**Floor:** PVC



**Model: KYC032-2017**

**Ceiling:** Painted Steel, Acrylic, LED lights  
**Car Walls:** Golden Brushed Stainless Steel, Golden Mirror Polished Stainless Steel, Mirror Polished Stainless Steel, Golden Stainless Steel  
**Handrail:** Titanized Stainless steel Tube  
**Floor:** PVC



**Model: KYC506-2017**

**Ceiling:** Hairline stainless steel, Acrylic, LED lights

**Car Walls:** Mirror Etched / Hairline stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



**Model: KYC507-2017**

**Ceiling:** Mirror stainless steel, Acrylic, LED lights

**Car Walls:** Black Titanium / Mirror Hairline stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



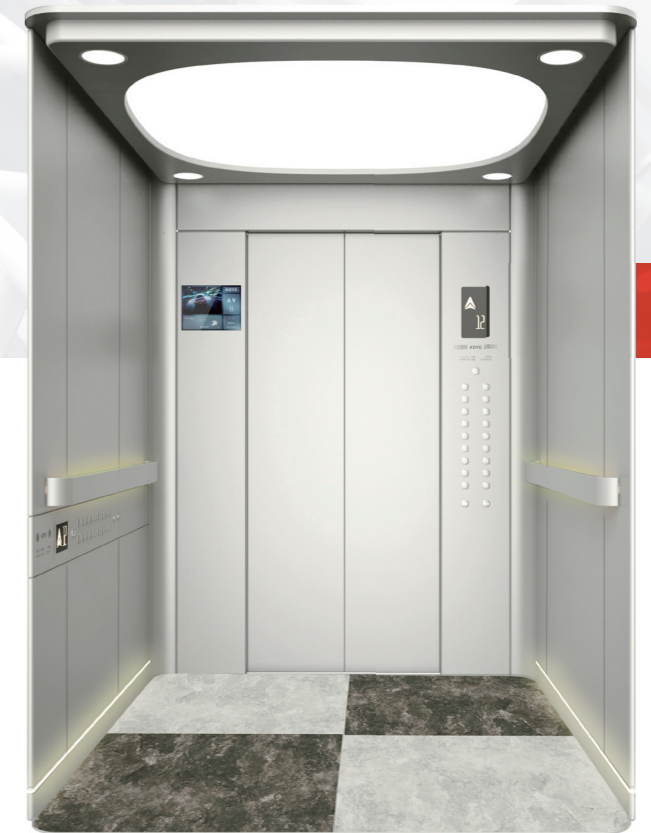
**Model: KYC508-2017**

**Ceiling:** Hairline stainless steel, Acrylic, LED lights

**Car Walls:** Hairline stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



**Model: KYC509-2017**

**Ceiling:** Hairline stainless steel, Acrylic, LED lights

**Car Walls:** Hairline stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



**Model : KYC510-2017**

**Ceiling:** Mirror stainless steel, Acrylic, LED lights

**Car Walls:** Mirror stainless steel

**Handrail:** Hairline stainless steel

**Floor:** Marble



**Model: KYC511-2017**

**Ceiling:** Mirror stainless steel, Acrylic, LED lights

**Car Walls:** Champagne Mirror Etched stainless steel

**Handrail:** Round wood, Hairline stainless steel

**Floor:** Marble



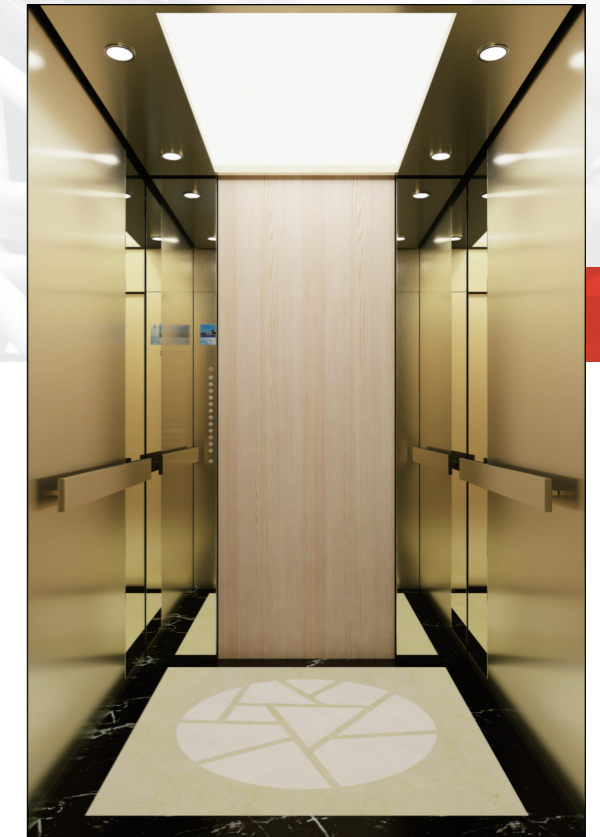
**Model: KYC512-2017**

**Ceiling:** Rose Gold stainless steel, Acrylic, LED lights

**Car Walls:** Rose Gold stainless steel, etched

**Handrail:** Rose Gold

**Floor:** PVC



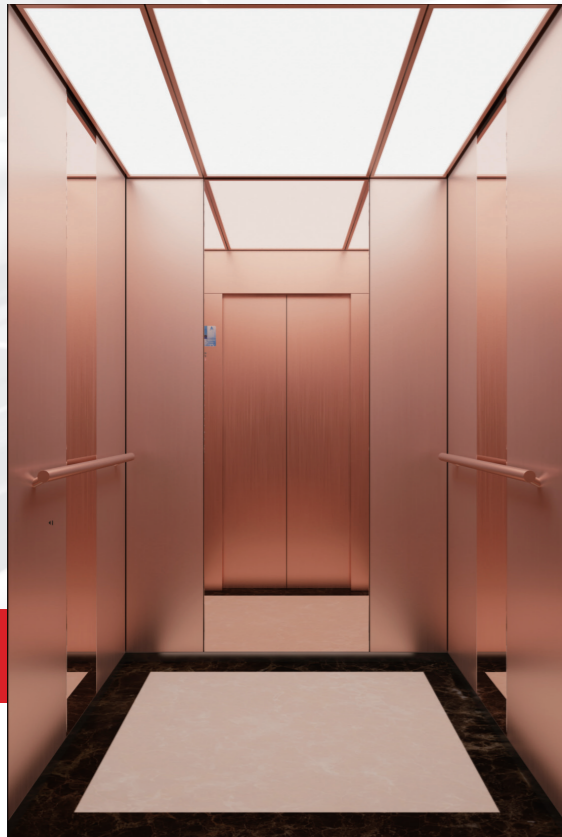
**Model: KYC513-2017**

**Ceiling:** Champagne stainless steel, Acrylic, LED lights

**Car Walls:** Champagne Mirror stainless steel

**Handrail:** Champagne stainless steel

**Floor:** PVC



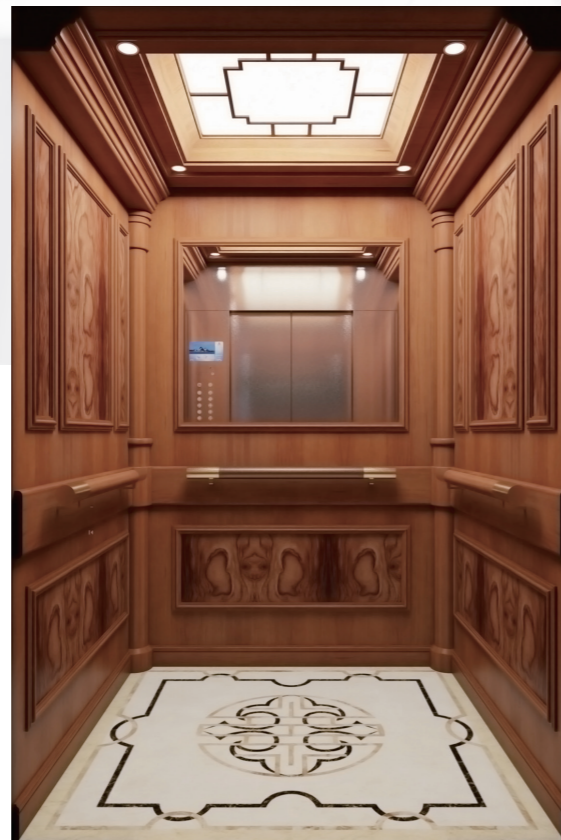
**Model: KYC514-2017**

**Ceiling:** Rose Gold Mirror stainless steel, Acrylic, LED lights

**Car Walls:** Mirror stainless steel

**Handrail:** Hairline stainless steel

**Floor:** Marble



**Model: KYC515-2017**

**Ceiling:** Wooden frame, Acrylic, LED lights

**Car Walls:** Wooden walls, mirror

**Handrail:** Wooden stainless steel

**Floor:** PVC



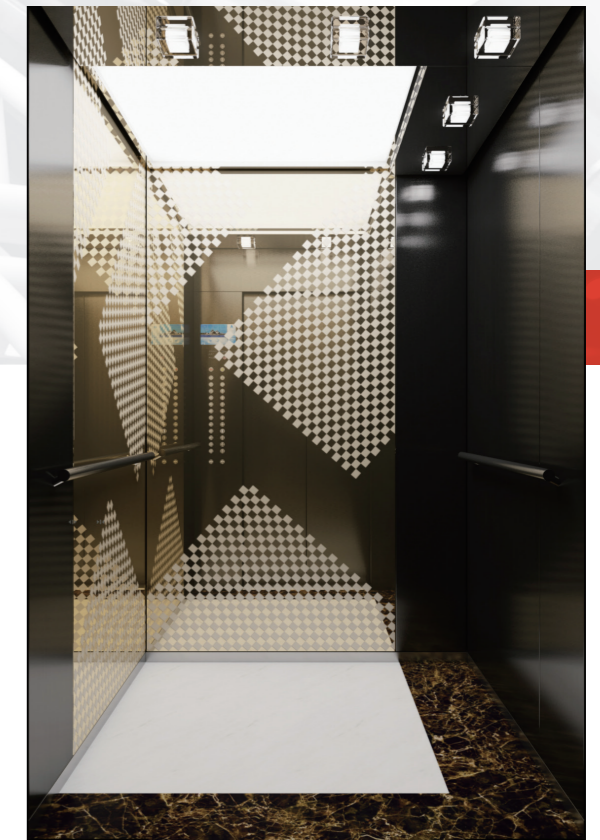
**Model: KYC516-2017**

**Ceiling:** Champagne Mirror stainless steel, LED lights

**Car Walls:** Champagne Mirror stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC



**Model: KYC517-2017**

**Ceiling:** Mirror stainless steel, LED lights

**Car Walls:** Black Titanium / Mirror Etched stainless steel

**Handrail:** Hairline stainless steel

**Floor:** PVC





**Model: KYC520-2017**  
(Standard configuration)

**Car cover:** Hairline stainless steel, etched  
**Ceiling:** Hairline stainless steel, LED lights  
**Cabin wall:** Hairline stainless steel  
**Sightseeing surface:** 3 pcs laminated safety glass  
**Handrail:** Hairline stainless steel  
**Floor:** PVC



**Model: KYC521-2017**  
(Standard configuration)

**Car cover:** Hairline stainless steel, Art Glass  
**Ceiling:** Hairline stainless steel, Acrylic, LED lights  
**Cabin wall:** Hairline stainless steel  
**Sightseeing surface:** Laminated safety glass  
**Handrail:** Stainless steel  
**Floor:** PVC



**Model: KYC522-2017**

**Car cover:** Titanium hairline SS,  
**Ceiling:** Wooden frame, gold leaf attached at the top area, LED down light, lamp belt  
**Cabin all:** Titanium mirror SS, veneer facing, marble lamp  
**Sightseeing:** Laminated safety glass  
**Handrail:** Stainless steel, titanium stainless steel  
**Floor:** PVC



**Model: KYC523-2017**

**Car Cover:** Titanium and mirror stainless steel, Acrylic  
**Ceiling:** Frame of titanium and mirror stainless steel, Gold foil veneer for the top, LED Down lights  
**Cabin wall:** Titanium and mirror stainless steel.  
**Sightseeing surface:** Laminated safety glass  
**Handrail:** Titanium stainless steel  
**Floor:** PVC

# DOORS

## DECORATION



**KYD051-2017**  
Mirror,etched,hairline stainless steel



**KYD052-2017**  
Mirror,etched,hairline stainless steel



**KYD053-2017**  
Mirror,etched



**KYD050-2017**  
Mirror,etched

**KYD054-2017**  
Mirror, etched



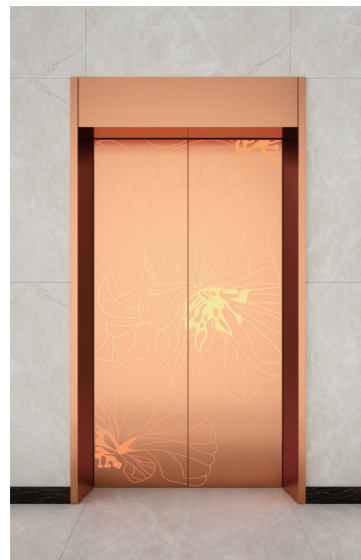
**KYD058-2017**  
Champaign golden,  
mirror, etched



**KYD055-2017**  
Mirror, etched, recess golden



**KYD059-2017**  
Titanium golden, mirror, etched



**KYD056-2017**  
Rose golden, etched



**KYD057-2017**  
Rose golden, etched



**KYD060-2017**  
Titanium golden, mirror, etched



**KYD061-2017**  
Titanium golden, etched

# CEILINGS

# DECORATION



**KYT001-2017**  
Material:Hairline stainless steel,Acrylic, LED



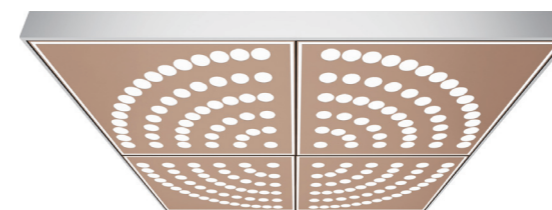
**KYT002-2017**  
Material:Hairline stainless steel,Acrylic, LED



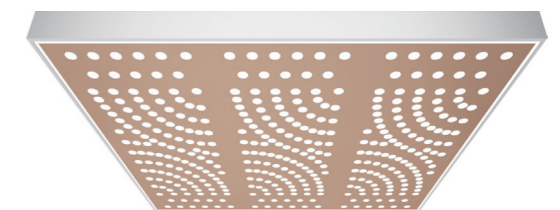
**KYT003-2017**  
Material:Hairline stainless steel,Acrylic, LED



**KYT004-2017**  
Material:Hairline stainless steel,Acrylic, LED



**KYT005-2017**  
Material:Mirror stainless steel,White Transparent plate,  
Aluminium frame



**KYT006-2017**  
Material:Mirror stainless hollow plate,White Transparent plate,  
Aluminium alloy frame



**KYT007-2017**  
Material:Mirror stainless steel,Acrylic, LED



**KYT008-2017**  
Material:Mirror stainless steel,Acrylic, LED

**OTHER**  
**DECORATION**

**FLOOR**



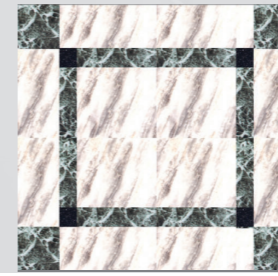
KYS001-2017



KYS002-2017



KYS003-2017



KYS004-2017



KYS005-2017



KYS006-2017

**HANDRAIL**



KY-302TJ



KY-301F



KY-302J



KY-301TF



KY-315F



KY-303J



KY-315TF



KY-303TJ



KY-308



KY-309TM

**RAL**

RAL 1027

RAL 1020

RAL 5024

RAL 5009

RAL 9001

# CAR OPERATION

# PANEL



KYCOP30  
Integrated COP (side wall)



KYCOP40



KYIND40



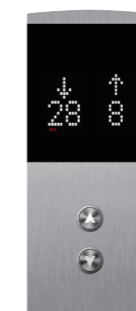
KYCOP102  
Integrated COP (front wall)



KYCOP108



KYIND108



KYIND108D



KYCOP106 KYIND106 KYIND106D



KYCOP10 KYIND20



KYCOP20 KYIND21 KYIND51



KYCOP121



KYCOP191 KYIND191



KYCOP109 KYIND109 KYIND109D



KYIND198 KYINDG01 KYINDG02

**Fireman switch**



KYX101 KYSF122 KYX122



**Hall lantern**

KYZ105

## MR Passenger Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TKJ450	6	1	TR ≤ 45	4300	1400	CO 750×2100	1350×900×2300	1900×1550
		1	TR ≤ 45	4300	1400			
TKJ630	8	1.5	25 ≤ TR ≤ 65	4400	1500	CO 800×2100	1400×1100×2300	2000×1750
		1.75	35 ≤ TR ≤ 80	4500	1500			
TKJ800	10	1	TR ≤ 45	4300	1400	CO 800×2100	1400×1350×2300	2000×2000
		1.5	25 ≤ TR ≤ 65	4400	1500			
		1.75	35 ≤ TR ≤ 80	4500	1500			
TKJ1000	13	2	40 ≤ TR ≤ 90	4600	1600	CO 900×2100	1600×1400×2300	2200×2050
		1	TR ≤ 45	4300	1400			
		1.5	25 ≤ TR ≤ 65	4400	1500			
TKJ1150	15	1.75	35 ≤ TR ≤ 80	4500	1500	CO 900×2100	1800×1400×2300	2400×2100
		2	40 ≤ TR ≤ 90	4600	1600			
		1	TR ≤ 45	4400	1500			
TKJ1250	16	1.5	25 ≤ TR ≤ 65	4500	1600	CO 1100×2100	2000×1400×2300	2600×2100
		1.75	35 ≤ TR ≤ 80	4600	1600			
		2	40 ≤ TR ≤ 90	4700	1700			
TKJ1350	18	1	TR ≤ 45	4400	1500	CO 1100×2100	2000×1500×2300	2600×2200
		1.5	25 ≤ TR ≤ 65	4500	1600			
		1.75	35 ≤ TR ≤ 80	4600	1600			
TKJ1600	21	2	40 ≤ TR ≤ 90	4700	1700	CO 1200×2100	2100×1600×2300	2700×2350
		1	TR ≤ 45	4400	1500			
		1.5	25 ≤ TR ≤ 65	4500	1600			

## MRL Passenger Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TWJ450	6	1	TR ≤ 45	4300	1400	CO 750×2100	900×1350×2300	1850×1850
		1	TR ≤ 45	3500*	1100*			
TWJ630	8	1	TR ≤ 45	4300	1400	CO 800×2100	1100×1400×2200	1850×1800
		1.5	25 ≤ TR ≤ 65	4400	1500			
		1.75	35 ≤ TR ≤ 80	4500	1600			
TWJ800	10	1	TR ≤ 45	4300	1400	CO 800×2100	1350×1400×2300	2250×1850
		1.5	25 ≤ TR ≤ 65	4400	1500			
		1.75	35 ≤ TR ≤ 80	4500	1600			
TWJ1000	13	1	TR ≤ 45	3500*	1100*	CO 900×2100	1400×1600×2300	2300×2050
		1	TR ≤ 45	4300	1400			
		1.5	25 ≤ TR ≤ 65	4400	1500			
TWJ1150	15	1.75	35 ≤ TR ≤ 80	4500	1500	CO 900×2100	1400×1800×2300	2300×2250
		2	40 ≤ TR ≤ 90	4600	1600			
		1	TR ≤ 45	4300	1400			
TWJ1250	16	1.5	25 ≤ TR ≤ 65	4500	1600	CO 1000×2100	1400×2000×2300	2300×2450
		1.75	35 ≤ TR ≤ 80	4600	1700			
		1	TR ≤ 45	4400	1500			
TWJ1350	18	1.5	25 ≤ TR ≤ 65	4500	1600	CO 1000×2100	1500×2000×2300	2400×2450
		1.75	35 ≤ TR ≤ 80	4600	1700			
		1	TR ≤ 45	4400	1600			
TWJ1600	21	1.6	25 ≤ TR ≤ 65	4600	1700	CO 1100×2100	1600×2100×2300	2600×2600
		1.75	35 ≤ TR ≤ 80	4700	1800			
		1	TR ≤ 45	4400	1600			

\* Only for non-standard without inspection

## High Speed Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TKJ1250	16	2.5	55 ≤ TR ≤ 100	4800	2200	CO 1100×2100	2000×1400×2300	2700×2400
		3	65 ≤ TR ≤ 135	5100	3600			
TKJ1350	18	2.5	55 ≤ TR ≤ 100	4800	2200	CO 1100×2100	2000×1500×2300	2700×2500
		3	65 ≤ TR ≤ 135	5100	3600			
TKJ1600	21	4	85 ≤ TR ≤ 180	5900	4000	CO 1200×2100	2100×1600×2300	2900×2600
		2.5	55 ≤ TR ≤ 100	4800	2200			
		3	65 ≤ TR ≤ 135	5100	3600			
		4	85 ≤ TR ≤ 180	5900	4000			



### MR Hospital Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TKJ1350	18	1 1.5 1.75 2	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80 40 ≤ TR ≤ 90	4400 4500 4600 4700	1500 1600 1600 1700	SO 1100×2100	1300×2300×2300	2300×2850
TKJ1600	21	1 1.5 1.75 2	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80 40 ≤ TR ≤ 90	4400 4500 4600 4700	1500 1600 1600 1700	SO 1300×2100	1400×2400×2300	2400×2950

### MRL Hospital Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TWJ1350	18	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4500 4600	1500 1600 1700	SO 1100×2100	1300×2300×2300	2300×2850
TWJ1600	21	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4600 4700	1600 1700 1800	SO 1300×2100	1400×2400×2300	2400×2950

### MR Panormic Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)		Shaft size HW×HD(mm)
							Rectangular car	Semicircle car	
TKJ800	10	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4600 4800	1900 2000 2100	CO 800×2100	1100×1700×2300	-	2100×2200
TKJ1000	13	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4600 4800	1900 2000 2100	CO 900×2100	1200×1900×2300	1200×2000×2300	2200×2500
TKJ1250	16	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4600 4800	1900 2000 2100	CO 1000×2100	1300×2100×2300	1300×2200×2300	2400×2700
TKJ1350	18	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4400 4600 4800	1900 2000 2100	CO 1000×2100	1400×2100×2300	1400×2200×2300	2500×2700

### MRL Panormic Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)		Shaft size HW×HD(mm)
							Rectangular car	Semicircle car	
TWJ800	10	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4800 5000 5100	1900 2000 2100	CO 800×2100	1100×1700×2300	-	2100×2200
TWJ1000	13	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4800 5000 5100	1900 2000 2100	CO 900×2100	1200×1900×2300	1200×2000×2300	2200×2500
TWJ1250	16	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4800 5000 5100	1900 2000 2100	CO 1000×2100	1300×2100×2300	1300×2200×2300	2400×2700
TWJ1350	18	1 1.5 1.75	TR ≤ 45 25 ≤ TR ≤ 65 35 ≤ TR ≤ 80	4800 5000 5100	1900 2000 2100	CO 1000×2100	1400×2100×2300	1400×2200×2300	2500×2700

## MR Freight Elevator

Type	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
THJ1000	0.5	TR ≤ 45	4400	1400	CO-4P 1300×2100	1600×1400×2200	2200×2150
THJ1600	0.5	TR ≤ 45	4500	1500	CO-4P 1500×2100	1800×1900×2200	2800×2400
THJ2000	0.5	TR ≤ 45	4500	1500	CO-4P 1500×2100	1900×2100×2200	2900×2600
THJ3000	0.5	TR ≤ 45	4500	1600	CO-4P 1700×2100	2200×2500×2200	3200×3000
THJ4000	0.5	TR ≤ 45	4700	1600	CO-4P 2000×2100	2400×3000×2200	3600×3500
THJ5000	0.25	TR ≤ 25	4700	1600	CO-4P 2000×2100	2500×3500×2200	3700×4000
	0.5	TR ≤ 45					

## MRL Freight Elevator

Type	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
THJW1000	1.0	TR ≤ 45	4400	1400	CO-4P 1300×2100	1400×1600×2200	2350×2150
THJW1600	1.0	TR ≤ 45	4500	1600	CO-4P 1500×2100	1800×1900×2200	2800*2500
THJW2000	1.0	TR ≤ 45	4600	1600	CO-4P 1500×2100	1900×2100×2200	2900*2700
THJW3000	0.5	TR ≤ 25	4800	1600	CO-4P 1700×2100	2200×2500×2200	3550*3000

## CAR Elevator

Type	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TQJ3000	0.25	TR ≤ 15	4600	1500	CO-4P 2500×2200	2500×5800×2400	4100×6300
	0.5	TR ≤ 25					
TQJ5000	0.25	TR ≤ 15	5000	1600	CO-4P 2800×2200	2800×7000×2400	4500×7500
	0.5	TR ≤ 25					

## Hydraulic Freight Elevator

Type	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TYH1000	0.5	TR ≤ 40	3600	1500	CO-4P 1300×2100	1300×1750×2200	2300×2300
TYH1600	0.5	TR ≤ 40	3800	1500	CO-4P 1500×2100	1500×2250×2200	2700×2800
TYH2000	0.5	TR ≤ 40	4000	1500	CO-4P 1500×2100	1800×2250×2200	3000×2800
TYH3000	0.25	TR ≤ 20	4200	1600	CO-4P 1700×2100	2200×2500×2200	3700×3000
TYH4000	0.25	TR ≤ 20	4200	1600	CO-4P 2000×2100	2200×3200×2200	3700×3700
TYH5000	0.25	TR ≤ 20	4200	1600	CO-4P 2000×2100	2400×3600×2200	3900×4100

## Dumbwaiter

Type	Model	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)	
								CW on Side	CW on Rear
TZJG100	worktable	0.4	TR ≤ 12	3000	700	U&D-Hand Operated Door 700×800	700×700×800	1300*1000	1150*1150
TZJG200	worktable	0.4	TR ≤ 12	3200	700	U&D-Hand Operated Door 800×900	800×800×900	1400*1100	1250*1250
TZJD200	underground	0.4	TR ≤ 12	3400	800	U&D-Hand Operated Door 800×1000	900×900×1000	1500*1200	1350*1350
TZJD300	underground	0.4	TR ≤ 12	3600	1000	U&D-Hand Operated Door 800×1200	1000×1000×1200	1600*1400	1450*1450

## HOME Elevator

Type	Persons	Rated speed (m/s)	TR (m)	OH (mm)	Pit depth (mm)	Opening size OP×OPH(mm)	Car size CW×CD×CH(mm)	Shaft size HW×HD(mm)
TYJX250	3	0.3	TR ≤ 12	3500	500	SO 700×2000	800×1200×2100	1400×1650
		0.4						
TYJX320	4	0.3	TR ≤ 12	3500	500	SO 800×2000	900×1200×2100	1500×1650
		0.4						
TYJX400	5	0.3	TR ≤ 12	3500	500	SO 800×2000	900×1300×2100	1500×1750
		0.4						

## FUNCTION DESCRIPTION

STANDARD FUNCTION		
No.	Function Name	Function Description
01	Fully Selective Control	When in automatic or attendant control, the elevator stops in response to the in-car registrations while automatically follows landing calls up and down, i.e., a passenger can register his or her call at any landing.
02	Inspection Travel	It is a function for field mechanics or engineers to carry out maintenance, inspection or testing tasks. When operational conditions are satisfied, an authorized person can inch the car by pressing and releasing the red button, he can move the car at inspection speed by continuously pushing down the button and stop it by releasing the button.
03	Testing Travel	It is a function designed for measuring the performance of a new elevator. By setting a given parameter in testing travel on the Master Control board, a field engineer will put the elevator into automatic operation. Both the total number of trips and the interval time between trips of the testing travel can be determined by parameter setting.
04	Automatic Control for Door-opening Time	When the elevator travels in automatic state without attendant, the door closes automatically by a delay after the car arrives at a landing with the door open.
05	Cancel a Wrong Registration	If a passenger realizes that he or she has pushed down a wrong button in the car panel, he or she can cancel the wrong registration by pushing the same button twice incessantly. The registered signal will be canceled. This function can be activated by the parameter setting.
06	Clear Registrations at Changing Direction	When the elevator car arrives at the last landing and is about to reverse the direction, all the registrations behind its present travel will be cancelled at once.
07	Direct landing	The control system decelerates the elevator according to distance principle. No creeping when leveling.
08	Full load by pass	When a full-loaded elevator car travels in automatic mode without attendant, the elevator will NOT answer any calls from its passing landings, stopping at the landings by in-car registrations only.
09	Auto Homing	When the elevator travels in automatic mode without attendant service while setting Auto Homing in effect, the elevators which receives neither in-car nor landing calls will automatically return to the main landing within a given period of time determined by parameter setting.
10	Fault history Log	The Fault history Log keeps the latest 20 fault records concerning the occurrence time, floors and fault codes.
11	Hoist way landing data self-study	the hoist way self-study system should be activated before the elevator goes into service. The system will study various kinds of data within the hoist way and save those running data permanently.
12	Service Landing arbitrarily Setting	Using the handheld operator to set at will which floors the elevator serves and which floors the elevator does NOT serve.
13	Attendant Service	Using the switch in the car operation panel, one can put the elevator into attendant service, under which the automatic door closing is absent and the door can only be closed when attendant keep pressing the door-closing button. Meanwhile the function can also allow attendant to choose direction and by-passing.
14	Independent Travel	Independent Travel is an exclusive travel, during which the elevator overlooks all landing calls and the automatic door-closing is absent. Other features are similar to Attendant Service.
15	Emergency elevator returning against fire	When encountering fire, passenger set the fire returning switch in position. Elevator immediately cancels all the instructions and call and travel to firefighting station for door-opening and stand-by.
16	Automatic Correction in Landing Position Signals	The traveling elevator system compare its own position signals at each terminal switch and the leveling switch of each landing against those obtained by self-study and making automatic data corrections accordingly.
17	Elevator Lock-in	Setting the lock-in switches of elevator in automatic mode or with attendant, and clear up all the registration call. The elevator only respond to the in-car instruction until no new instructions registered. Then the elevator returns to the base station, turns off in-car lighting and fan after opening the door automatically, lightens the door-opening button indicator, and automatically close the door when 10 seconds time delay expired. Finally, the elevator stops running, and will be back to operation when the lock-in switch reset.
18	Over-load Protection	With the over-load switch functioning, the door remains open with alarm buzzing on
19	Operation Time Limiter	If the elevator in operation has traveled incessantly for a longer time than the value preset by the time limiter (max.45s) without leveling, all elevator operation will be stopped.
20	Deceleration switch failure protection	When encountering the deceleration switch failure, elevator land in emergency to avoid possible top or bottom floor collision.
21	Protection against terminal overtravels	Both the uppermost and the lowest ends of the hoistway are mounted with limit switches and speed retardation switch to prevent any elevator over-travels.
22	Contact Detection protection of Safety Relay and Contactor	The system checks up the contact reliability of the safety relays and contactors. If any inconformity between the contact movement and the working status of the coil is detected, all car movements will be stopped.

STANDARD FUNCTION		
No.	Function Name	Function Description
23	Main Circuit Fault protection	Emergency stop occurs once system receives the signals indicating failure of main circuit. This function is also able to prevent running of an elevator at fault.
24	Overspeed Protection	This protection function is provided to avoid safety problems due to elevator running speed higher than control limit.
25	Fully Selective Control	The system checks the reliability of band-type brake through its switch. Protection will be launched once the band-type brake is found not reliable.
26	Door Switch Fault Protection	The protection shall be activated to stop elevator once system detects abnormal condition of door lock.
27	Door Lock disconnect Protection	Elevator will stop once lock disconnect is found in operation.
28	Parallel connection running	The coordination of landing calls between two elevators is realized through CAN serial communication bus-based data transfer between the two elevators. The running efficiency of the elevators is improved.
29	Base station door-opening standby function	Use parameter setting to choose the elevator door-opening and standby when it is in base station.

OPTIONAL FUNCTION		
No.	Function Name	Function Description
01	Door pre-opening	The option enables leveling elevator to open door immediately upon arrival at the pre door-opening zone. In this way the elevator operation is more efficient.
02	Door-opening and releveling	Due to the stretch of wire ropes in case of high-rise buildings, the parking car may move up and down while passengers leave and board the car, which may lead to mal-leveling. Once this situation is detected by the system, the control will make the car relevel at a slow speed with the door open.
03	Fireman Service	The fireman switch is set on in case of fire, the elevator will immediately clear out all instructions & call and return to firefighting base station. Then system switches to fireman service mode.
04	operation panel for the disable	The system checks the reliability of band-type brake through its switch. Protection will be launched once the band-type brake is found not reliable.
05	Group control operation	Use group control controller to coordinate landing calls of elevators in the bank. In this way the running efficiency of elevator can be improved. And functions such as peak service and distributed waiting state are provided. The group control system can control up to 8 units
06	Parallel Connection Running	Control system link to the PCs in monitoring room through CAN communication line. Working staff can monitor the elevator position, running direction and fault condition and etc.
07	Earthquake response function	Activate the earthquake function. If earthquake occurs, the earthquake inspection device is activated. A contact signal from the device will be transferred to the control system. The control system will instruct the running elevator to park at nearest floor and open the doors for passenger evacuation as well as stop the elevator then.
08	Arrival lamp at landing	Activate the function. The up/down arrival lamp installed at the hall of each floor will inform passengers the upcoming arrival of the elevator.
09	Arrival gong at landing	Activate the function. The up/down arrival gong at hall of each floor will inform passengers the upcoming arrival of the elevator.
10	VIP priority service	A special service for the VIP passengers, the function enables the VIP passenger to arrive the destination floor at fastest speed.
11	Emergency leveling when blackout	The building blackout causes the running elevator fail to reach the door zone and entrapment occurs as the consequence. Under the above circumstance does the blackout emergency leveling device activate. The elevator will be pushed at the low speed to the nearest door zone for passenger evacuation.
12	Broadcasting function for upcoming floor	When install the floor broadcasting function to the system, the floor broadcaster will report the upcoming floor during the leveling process and report the subsequent running direction of the elevator at each time of door-closing.
13	Door-opening holding buttons	Use the door holding button to enable the door-closing delay.
14	IC card floor service control in car	Once this function is installed, a card reader is installed in the operation panel. Passenger must use the card to register the instruction for authorized floors.
15	IC card elevator call service control at hall	Once this function is installed, a card reader is installed at the call panel of each floor. Passenger must use the card to register the call signal for the corresponding floor.

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# INTERNATIONALIZATION MARKET

