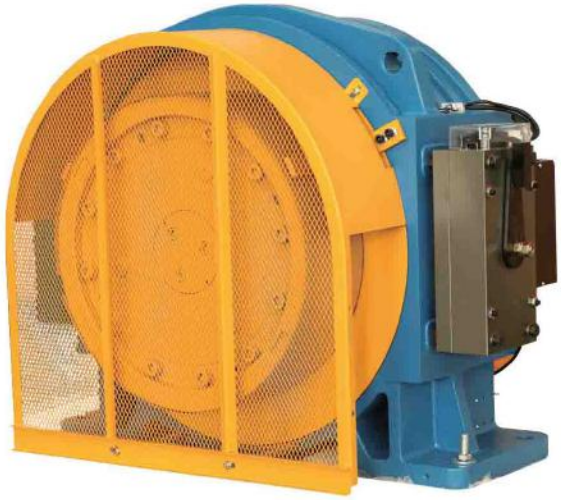
VEHICLE & FREIGHT ELEVATOR

Advanced Technology

Permanent magnetic synchronous gearless traction machine

Permanent magnet synchronous traction technology is a new generation of low-carbon energy saving elevator core technology researched by Schumacher and motor manufacturer. Compared with traditional technology, this technology is with low-carbon energy, less space, low construction costs and low operating cost characteristics; Meanwhile easily achieve machine none-maintenance requirements.



A gear traction machine

Mature technology,high reliability
Fine durability
Smooth running
Firm and durable
The main use of machine room elevator

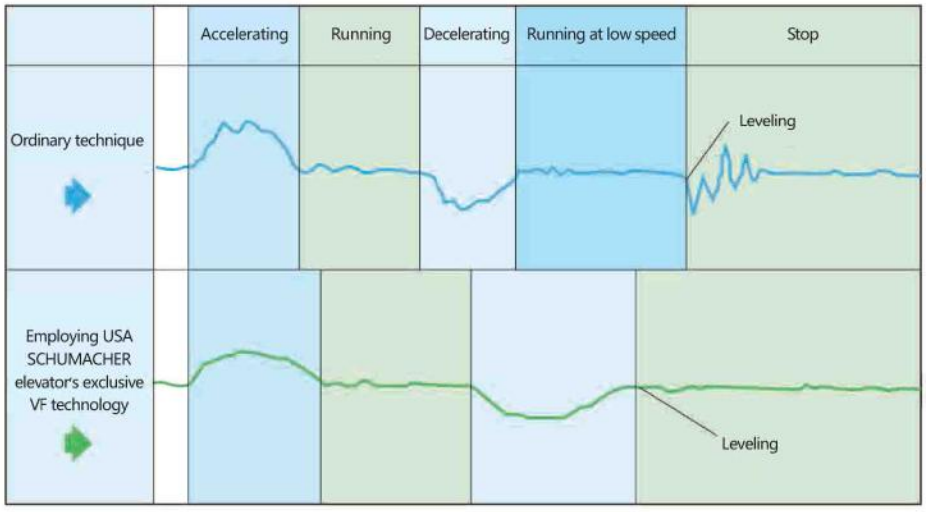
AC variable frequency door operator

Apply advanced technology VF door operator control systems, AC variable frequency motor and door mechanical system, not only to improve the safety and sensitivity of elevator operation, but also save energy consumption, adapted to the growing demands of modern transport.

Low Noise | Environmentally Friendly | Efficient and energy-saving | Space-saving | Stable And Reliable

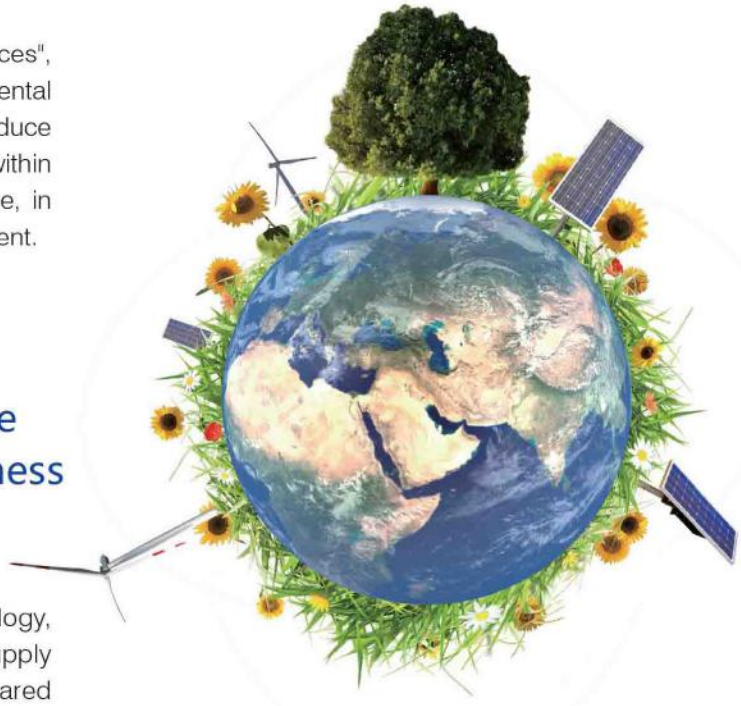
Deceleration curve comparison

VF observation elevator use vector frequency transformer to full closed-loop control the elevator, the elevator greatly improved performance, lower operating power consumption, has a very superior cost performance



Low carbon emissions, to develop a sustainable society

Treat "low carbon", "recycling resources", "environmental protection" as three fundamental developments, actively promote to reduce environmental impact of global production within whole life cycle to produce and maintenance, in order to achieve social sustainable development.



New generation VVVF technology to overcome the energy consumption weakness of traditional technology.

Schumacher elevator apply VVVF technology, the elevator running power and power supply capacity will be significantly reduced, compared to conventional AC speed drag energy, will save nearly 20%.

Safe, reliable, cost-effective

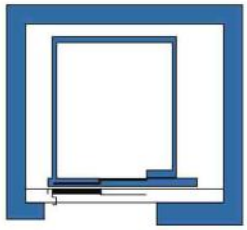
Schumacher serial freight elevators apply micro-computer control technology. It uses high intensity cars that have been designed and manufactured by section materials. It can transport the freight under extreme conditions. SCHUMACHER freight elevators conform to the European standard and the Chinese standard for manufacturing, installation and safety. The European code is referred to as EN81, The standard code for China is referred to as GB7588. SCHUMACHER freight elevator is your ideal choice in the factory, warehouse, department store, shopping center, housing property management center etc. because of its safe; durable and reliable properties, high structural strength, smooth operation, large door opening distance, high cost performance and so on.

Multiple door opening modes

In order to satisfy different entry/exit requirements from a broad range of users, SCHUMACHER freight elevator offers four door opening modes: side opening , center opening double-folded door, one-way door opening, opposite door opening. It's flexible design can accommodate the unique requirements of any factory, warehouse, department store, shopping center, housing property management center etc.

two panel sliding door

center-opening& double-folded



single way door

double way door

We will never let it happen, as the old saying "A miss is as good as a mile"

SCHUMACHER freight elevator uses a slight edge to lay the brand foundation. The product leveling accuracy can be controlled within mm level range.

More professional and considerate

Sensitive intensive infrared screens, in the elevator door forming screen protection safety net, for any access to its detecting location of people or objects are responsive, greatly improving the safety performance of.

Large width door opening, free entry/exit

For the convenience of free entry/exit of large bulk freight, The SCHUMACHER freight elevator series applies multi-folded car structures. It can reach maximum width when opening the car door.

The durable and anti-aging high-strength materials

Schumacher 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 about the more durable and anti-aging products.

Machine-roomless Freight Elevator

Schumacher machine roomless elevator offers an infinite possibility for vast constructions

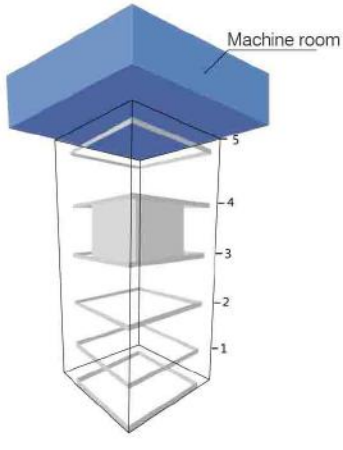
Schumacher machine roomless freight elevator have many energy-saving and loss-reducing ideas. It not only saves the building area, but also greatly increases design freedom, It is also very environmentlly friendly. Compared with same load level for a freight elevator with machine room, it saves 25% of the electric energy and 10% of the building area.

Machine roomless freight elevator

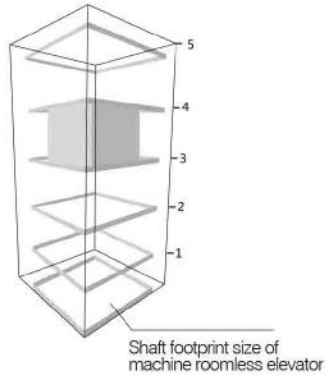
Save construction space by 10%

Save energy by 25%

Reduce energy consumption by 35% -55%



Machine room of normal elevator



Machine room of machine roomless elevator

freight elevator different kinds of buildings.

Schumacher machine roomless freight elevator only needs a hoistway without a machine room. It brings about more design freedom to many different building designs.

Easy and effective installation

Easy installation it vital for freight transport in the elevator application. SCHUMACHER machine roomless freight elevator provides the customers with easy and effective installation plans. It ensures normal progress of the construction projects.

New generation variable frequency voltage regulation and speed governor technology

It is of the remarkable energy-saving, environmental protection, comfortable travel, maintenance-free, low noise and small size.

AC variable frequency door machine

The advanced technology not only saves energy, but also increases door opening/closing accuracy and ensures smooth travel of the door.

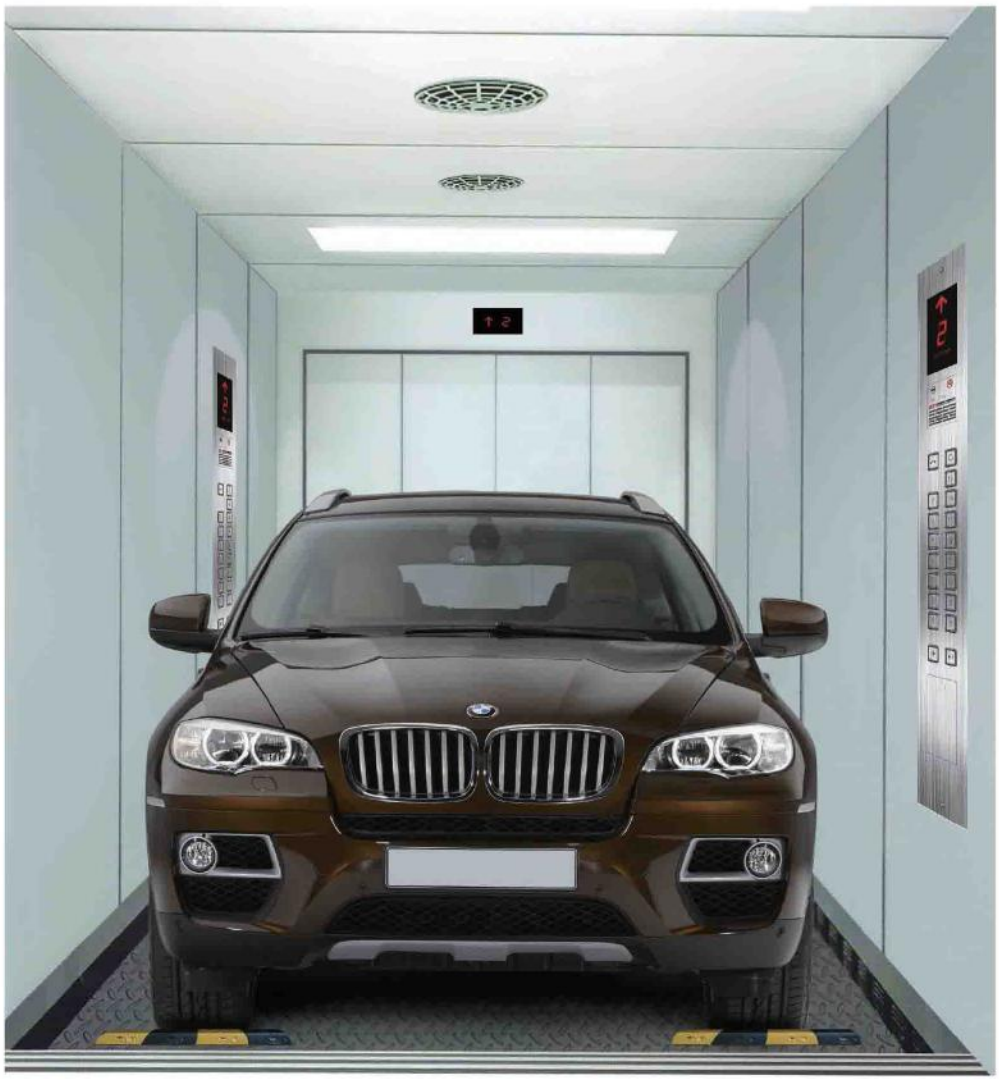
Standby & technology

When the elevator is in stand-by mode, it automatically cuts off the lighting and ventilator fan in the elevator.

Automobile Elevator

Escort you and the car

Schumacher car elevator take years of car elevator manufacturing technology from Schumacher USA, using highly sophisticated VVVF technology to precise control speed, avoid the noise and car jitter caused by traction system load increased because uneven stress of car, maximize optimization features of this series products.



Dual operation buttons box

There are two push-button operation boxes in the car. Therefore the driver can operate the elevator in the car without stepping out of it.

Special display system

Special circuit control and display system is convenient for the drivers inside/outside the car.

Safety guide device

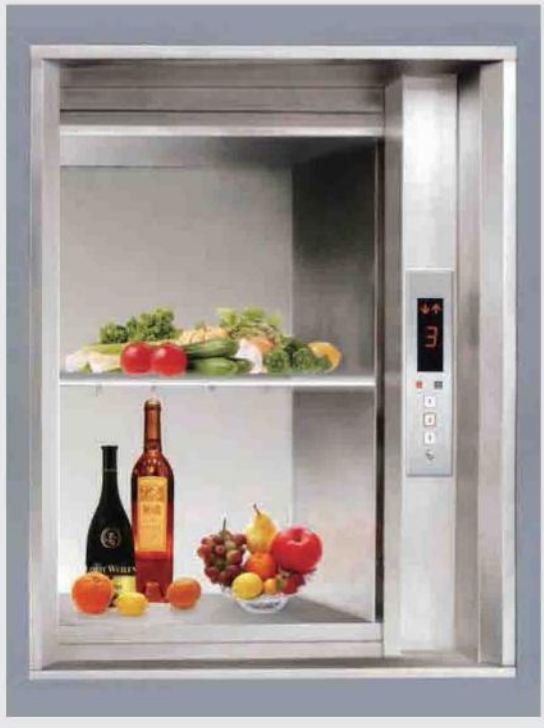
Safety guide device sets in the car ground to ensure fine security of both the automobile and the elevator.

Front/rear door opening are available

The elevator car is positioned between the front and rear door openings which is more convenient for the safety aspect and for the cars to enter into/exit from the elevator cars.

Dumbwaiter Elevator

Using industrial computer (PLC) or computer control, complete specifications, novel structure, fine workmanship, with safe, reliable, stable, easy to operate the car and landing doors made of high quality stainless steel plate production lines, luxury and beauty, widely used in hotels , restaurants and other units, is popular among customers.



Superior performance

Electric lock function: call the base station is equipped with electric locks ladder box, used to start and shut down the elevator control circuit;
Run fault protection function: When outside the normal run time of 10 seconds, the elevator stops, to prevent burn out the motor;
Fault self-display: the diagnosis of faults in code display;
Self-diagnostic capabilities: the ability to diagnose and identify the causes;
Restoring self-insurance function: if the control signal circuit short-circuit the insurance automatically disconnects when the failure to eliminate auto-connect after the insurance;
Contactor adhesion protection: If contactor coil power disconnected contacts unable to prevent the re-run to ensure safety;

Superior performance

Answer the call: Press the call button, the called elevator buttons light on, lights off after arriving;
Beeper function: When arrive, the beeper will remind;
Door status indicator: landing door open after elevator arrive, digital display door status and prompts this elevator is used in this layer;
Operating direction display function: the direction indicated by the vertical line luminous arrow;
Floor display: the floor(elevator arrive) is digital displayed;

Car Decoration And Design

Standard

Ceiling	paint steel (color optional)
Car wall	paint steel (color optional)
Car door	paint steel (color optional)
Lighting	Energy-saving fluorescent lamp
Floor	Corrugated steel

Optional

Ceiling	Hairline stainless steel
Car wall	Hairline stainless steel
Car door	Hairline stainless steel
Lighting	Energy-saving fluorescent lamp
Floor	Corrugated steel

Landing Door Series

Side opening &
double-fold type

Standard
Jamb: Painted steel
(optional color)
Landing door: Stainless steel
Sill: Iron-made

Side opening &
three folded type

Standard
Jamb:Painted steel
(optional color)
Landing door: Painted steel
Sill: Iron-made

Side opening &
double-fold type

Standard
Jamb: Painted steel
(optional color)
Landing door: Painted steel
Sill: Iron-made

Center-opening &
double-folded type

Optional
Jamb: Painted steel
(optional color)
Landing door: Painted steel
Sill: Iron-made

Car Operation Panel

SMK-201
(Standard)

Plate spray card

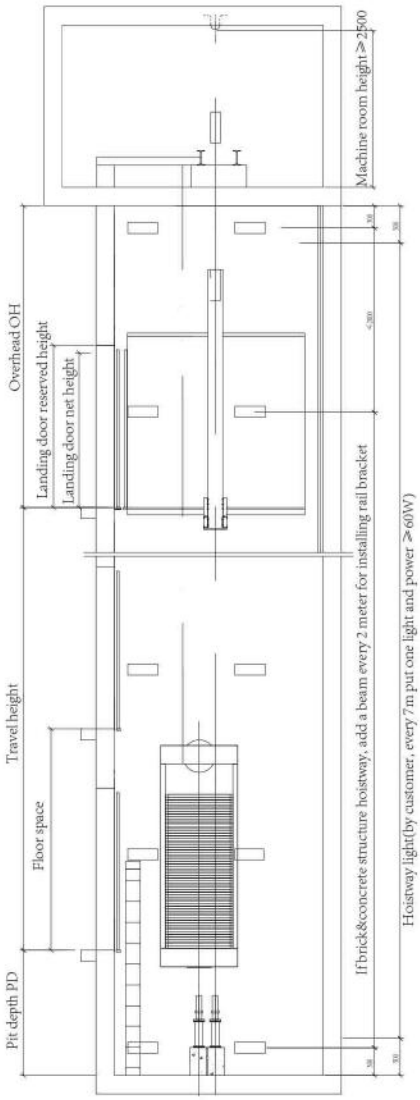
SMK-S010
Cream-colored

SMK-S020
Light gray

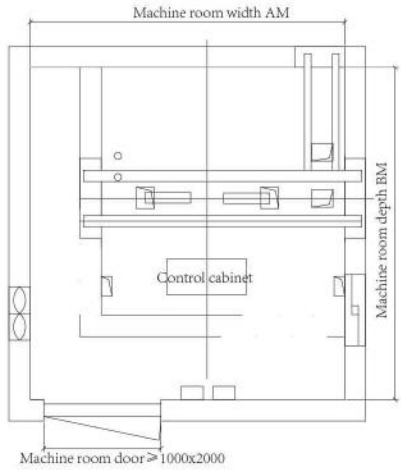
SMK-S030
Aurora Silver

SMK-S040
Apple green

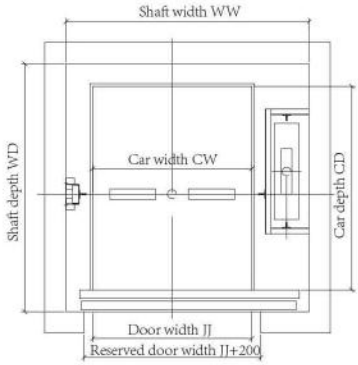
Freight Elevator Civil Figure



Shaft& machine room vertical section



Machine room layout



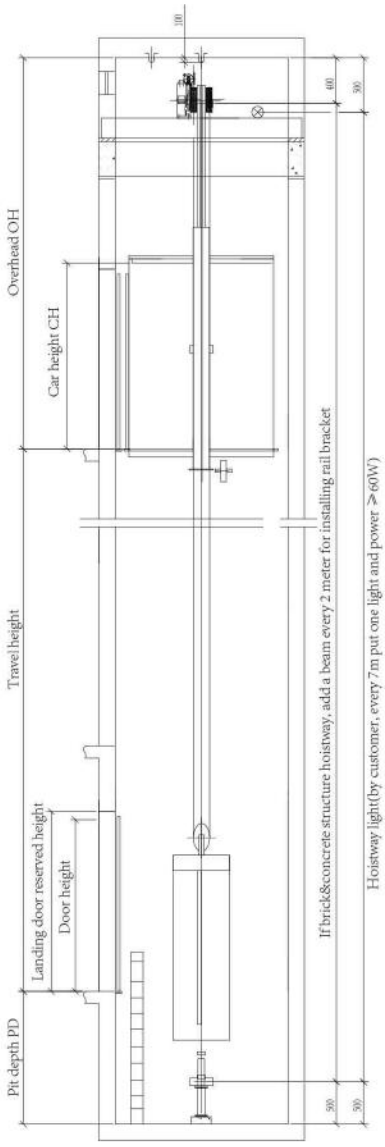
Shaft layout

Standard machine room freight elevator Technical Data Sheet

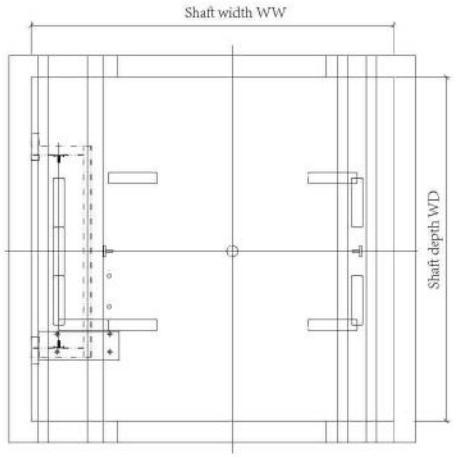
Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH (mm)	Door size JJ*HH (mm)	Shaft size			Max. travel height TH (m)
					shaft width* shaft depth WW*WD (mm)	overhead OH (mm)	pit depth PD (mm)	
1000	0.5	sliding two panel	1400*1700*2200	1400*2100	2500*2200	4200	1400	30
2000	0.5	sliding two panel	1700*2400*2200	1700*2100	3000*2850	4200	1400	30
3000	0.5	center four panels	2000*2900*2200	2000*2100	3500*3350	4500	1500	30
4000	0.5	center four panels	2200*3300*2200	2200*2100	3800*3950	4600	1500	30
5000	0.5	center four panels	2500*3600*2200	2500*2100	4200*4200	4800	1600	30

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

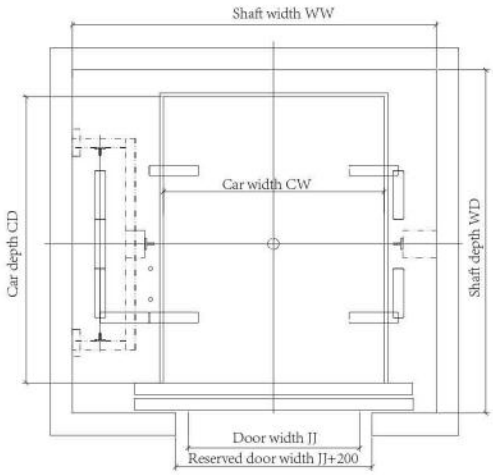
Machine Roomless Freight Elevator Civil Figure



Shaft vertical section



Top layout



Shaft layout

Standard machine roomless freight elevator Technical Data Sheet

Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH (mm)	Door size JJ*HH (mm)	Shaft size			Max. travel height TH (m)
					shaft width* shaft depth WW*WD (mm)	overhead OH (mm)	pit depth PD (mm)	
1000	0.5	sliding two panel	1400*1700*2200	1400*2100	2500*2100	4200	1500	30
2000	0.5	sliding two panel	1700*2400*2200	1700*2100	3050*2850	4500	1600	30
3000	0.5	center four panels	2000*2900*2200	2000*2100	3500*3350	4700	1700	30
4000	0.5	center four panels	2200*3300*2200	2200*2100	3850*3950	5200	1800	30

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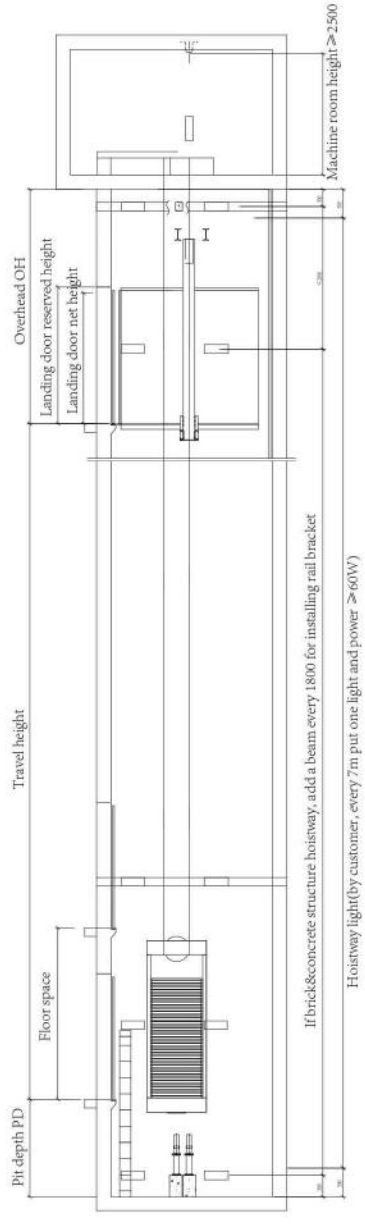
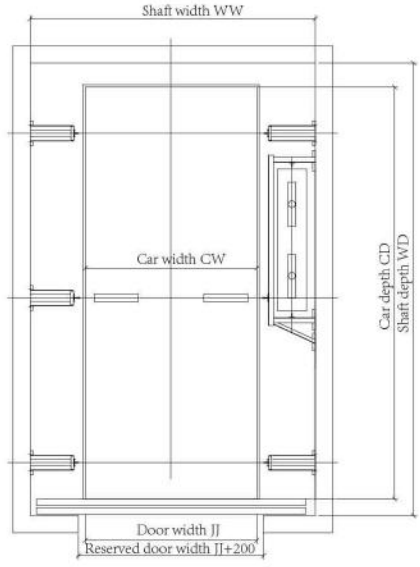
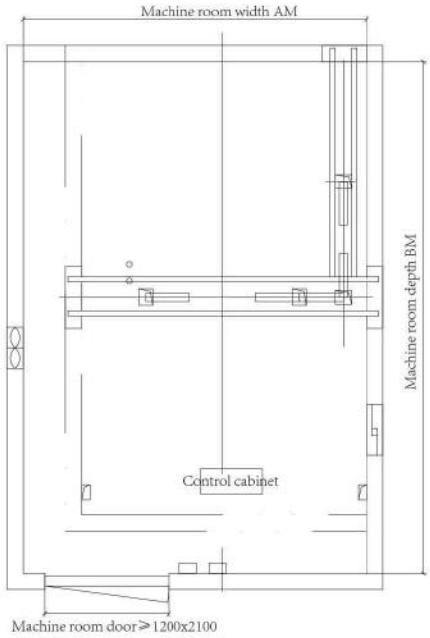
Car Elevator Civil Figure



Shaft& machine room vertical section



Shaft layout



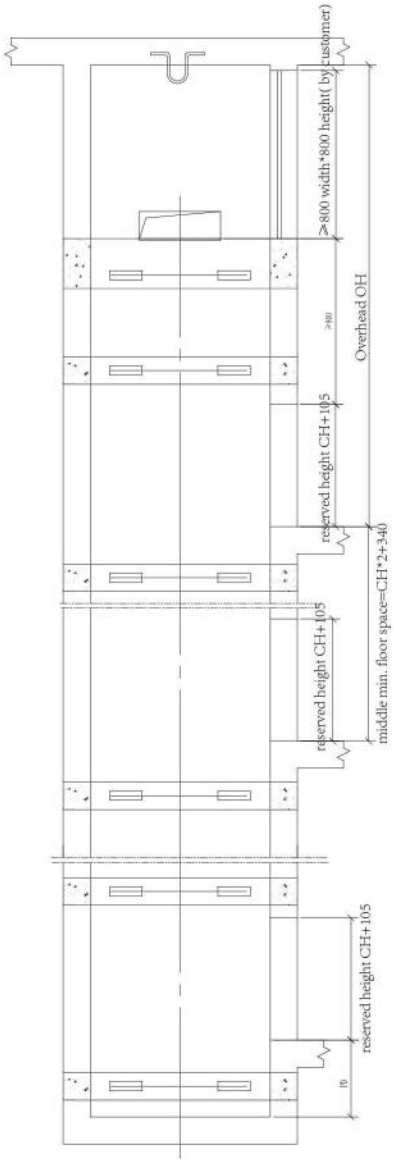
Machine room layout

Standard car elevator Technical Data Sheet

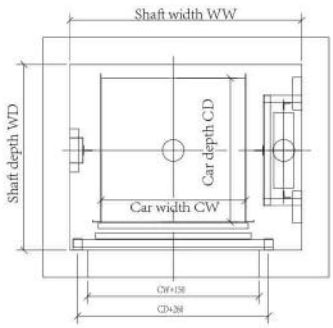
Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH (mm)	Door size JJ*HH (mm)	Shaft size			Max. travel height TH (m)
					shaft width* shaft depth WW*WD (mm)	overhead OH (mm)	pit depth PD (mm)	
3000	0.5	center four panels	2500*6000*2400	2500*2400	4150*6700	4800	1600	30
5000	0.5	center four panels	3500*7000*2400	2800*2400	5000*7800	5200	1700	30

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.

Dumbwaiter Elevator Civil Figure



Shaft& machine room vertical section



Shaft layout

Standard service lift technology parameter table

Capacity KG	Speed m/s	Door opening	Car dimension CW*CD*CH (mm)	Door size JJ*HH (mm)	Shaft size			Max. travel height TH (m)
					shaft width* shaft depth WW*WD (mm)	overhead OH (mm)	pit depth PD (mm)	
100	0.4	Center opening	800*800*800	800*800	1400*1200	2800	800	50
200	0.4	Center opening	900*900*900	900*900	1500*1300	2800	800	50
250	0.4	Center opening	1000*1000*1000	1000*1000	1600*1400	2800	800	50

Note: the above for the civil diagram, detailed dimensions see construction plans, specific to the technical department to provide construction drawings.