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 Service hotline **400-8866-350**

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SAIL

HIGH TECHNOLOGY
FULFILLS A BRIGHT FUTURE

VILLA **ELEVATOR** SERIES



Sail Intelligent Elevator(Suzhou) Co.,Ltd.

Focus upon **intellectual** elevators
Lead new concept
of future elevators



Intellectual times, summit conference.
Wisdom appears invisible and peaceful.
Let' s hug intellectual manufacture and gather together innovative
cohesion.
The building is endowed with unique charm because
of magical & flexible space.
Let' s wisely compose a bright future of intellectual made in
China.



Intellectual control

It applies radiation-free integrated control cabinet that combines contemporary industrial control technology with communication technology. All steel plate enclosed design shields radiation. It is convenient in maintenance. VVVF variable frequency control door machine system freely adjusts door machine running curve. It is safe in operation and stable in quality.



Noise reducing

It combines with low noise traction machine design, car wall triple noise-reducing technologies, running system noise-reducing design. Elevator operational noise is less than 43dB. It does not affect your family's sleeping and rest.



Smooth and comfortable

Smooth running system is specially designed for the old. The most comfortable speed running curve, smooth and soft start / stop are more suitable for use of old people.



Flexible application

It adapts to building aesthetics design, new innovative inspiration. Rich and colorful car combination satisfies your plural requirements. Meanwhile, it saves a perfect space. It brings about a freer and more flexible building space.

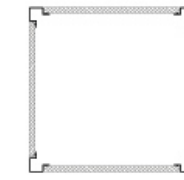
Technology



24-hour monitor on-line solution

1080P high definition | 112° wide angle | Two-way voice | Infrared night vision | Sound detection | Cloud storage

Non-well solution plan



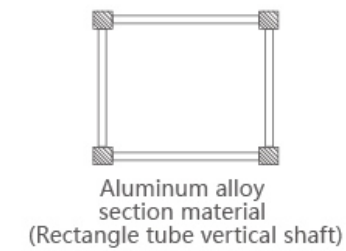
Bent sheet material type

Features of steel structure well frame:

- It is of high cost performance. Later outer plating will be packaged by decoration unit. It coincides with design style.
- Free selection of installation position
- Surface painted & anti-rusting treatment, anti-corrosive

Features of aluminum alloy well frame:

- Elegant and attractive independent framework glass design
- No extra building cost
- It integrates with indoor decoration into one with fine transmission of light
- Free selection of installation position
- Anti-corrosive, long life cycle
- It chooses industrial level aluminum alloy
Glass applies 5+5mm thickness safety laminated glass



Aluminum alloy section material
(Rectangle tube vertical shaft)



While installing villa elevator near the corridor or outside the villa, bent forming steel frame and steel frame out of aluminum alloy section material are your first-choices in quickly building up elevator well.



Traction type home elevator

- With machine room, machine room-less.
- According to house structure door-opening requirements, backpack frame style or portal frame style elevator structure for your choice.
- VVVF drive technology: Home elevator special-purpose micro-computer panel control, smooth and comfortable.
- Special-purpose traction machine frame: It is fixed in guiderail. Building does not bear any load.
- Host: It applies 220V~380V single-phase power supply, ordinary home-use power. It needs no additional application of industrial power.
- Automatic door machine: Variable frequency energy-saving, safe and reliable.
- UPS (spare power) can emergency release passengers at power failure.
- One-key dialing telephone makes roll call to 3-5 main family members at emergency conditions.
- Total rated power 1.5KW in operation (including 1.1KW drive system). Power is less than a micro-wave oven. It saves 80% power compared with small commercial elevator.
- Intellectual service: It links with owners' mobile through network. It executes real-time monitor to elevator running conditions.

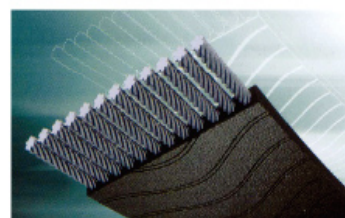


Steel belt home elevator

New steel band traction type home elevator is of three-side inlaid style for car wall decoration. It applies different materials with the more stronger inter-changeability. It can satisfy the customers' diverse and individual requirements.



Following the development of domestic township construction and social aging trend, home elevator is popular in countless families. Mostly apply traditional traction wire rope as suspension system. It is limited by traction machine and sheave size. It gets low utilization rate to well space.



Composite steel belt

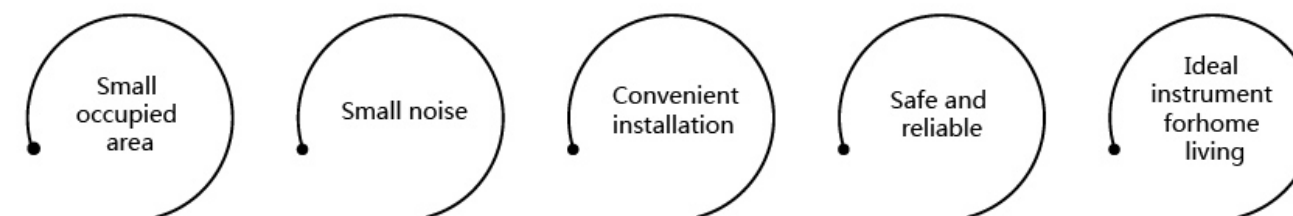
Compared with the traditional wire rope:

1. Polyurethane (PU) material layer without lubrication;
2. Its life is two or three times higher than that of traditional wire rope.
3. It is more bendable. It increases the contact area with drive wheel; It is more effective and energy-saving.

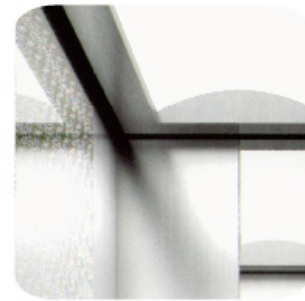


Traditional wire rope

Steel band traction technology has been controlled by foreign-invested elevator factories. Following such technological breakthrough, the company leaders firstly grasp this business opportunity. It lays importance upon researching into, developing and quickly putting out the first set of steel band traction type home elevator. Steel band applies special material package. Steel wire is not rusty. It does not wear the traction sheave. It needs no lubricating oil. It is maintenance-free with the longer life, large frictional coefficient, the more powerful traction capacity. Car can be 20% lighter. It reduces energy consumption. Compact permanent magnet synchronous and gear-less traction machine, small axis diameter traction sheave, diversion sheave, counterweight sheave bring about the smaller well projection area. It can save 15% of well area. Meanwhile, it greatly reduces top-floor and pit space.



Car decoration



SA-JT001 (Standard)

Ceiling: Mirror stainless steel+LED lighting
Car wall: Hairline stainless steel+
mirror+ etching
Floor: PVC block floor



SA-JT002 (Optional)

Ceiling: Mirror stainless steel frame,
down lamp
Car wall: Glass/stainless steel
Floor: PVC

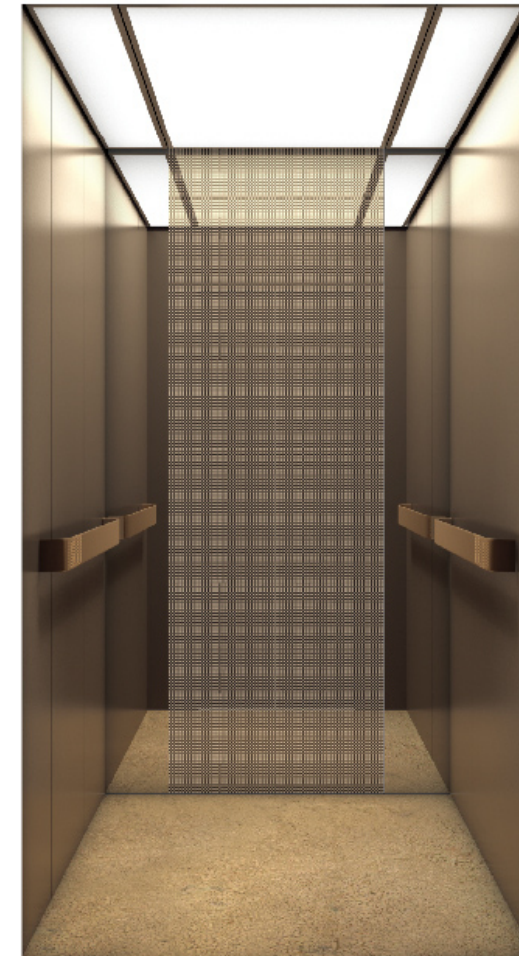
Car decoration



SA-JT003 (Optional)

Ceiling: Mirror stainless steel frame ,
down lamp
Car wall: Color steel plate, mirror
stainless- steel,soft wood roll
Floor: PVC

Note: Pictures have been drawn by computer.
It might be slightly different from actual colors. Please take real product as criterion.



SA-JT004 (Optional)

Ceiling : Champagne gold side frame,
acrylic light-emitting panel
Car wall : Champagne gold, mirror, etching
Handrail : Champagne gold flat handrail
Floor : PVC



SA-JT005 (Optional)

Ceiling : Sand-blast stainless steel,
Creamy white wood decoration line ,crystal ceiling
Car wall : Lightning beige marble , Wood decoration surface
Handrail : Wooden handrail with stainless
steel at both ends
Floor : PVC

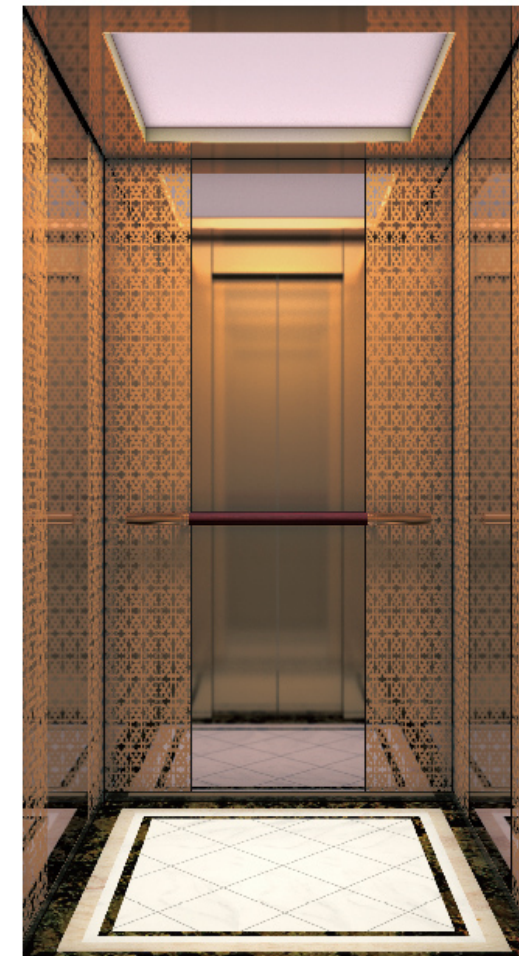
Car decoration

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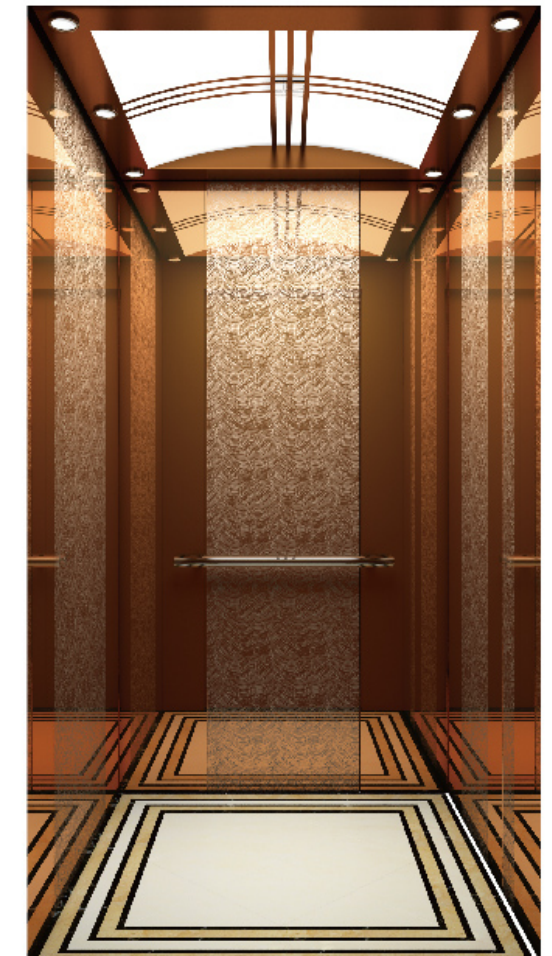
SA-JT006 (Optional)

Ceiling: Carpentry, acrylic, parchment lamp
Car wall: Carving art glass
Handrail: None
Floor: Marble



SA-JT007 (Optional)

Ceiling : Bronze color mirror stainless steel,
acrylic light-emitting panel
Car wall : Mirror stainless steel, bronze
mirror etched stainless steel
Handrail : Combination of solid wood
and bronze stainless steel
Floor : PVC(Optional Marble)



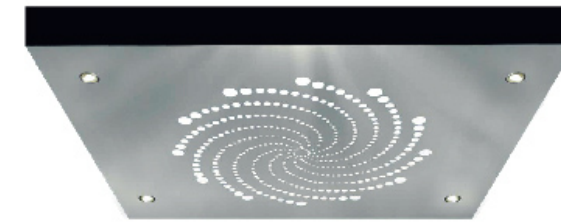
SA-JT008 (Optional)

Ceiling : Rose mirror stainless steel frame,
acrylic light-emitting panel , down lamp
Car wall : Rose gold mirror etched stainless steel,
rose gold mirror stainless steel
Handrail : Stainless steel single tube handrail
Floor : PVC(Optional Marble)

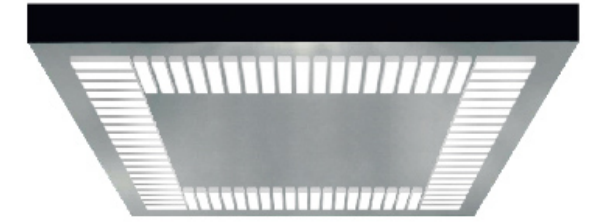
Man-machine Interface



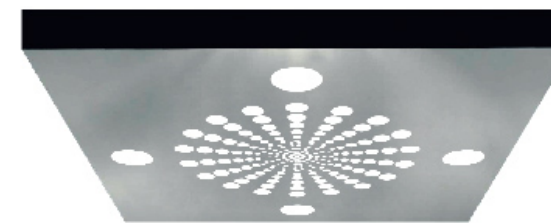
Ceiling series



SA-JD001 Standard
Hairline stainless steel, acrylic lighting decoration, LED lighting



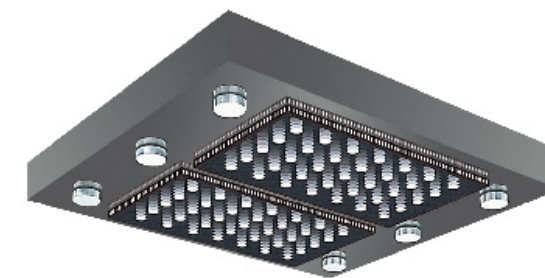
SA-JD002 Optional
Hairline stainless steel, acrylic lighting decoration



SA-JD003 Optional
Hairline stainless steel, acrylic lighting decoration



SA-JD004 Optional
Soft lighting design of stainless steel side frame and arch white light-emitting panel



SA-JD005 Optional
Multi-ply reflection is supplemented with soft, 3D lighting of four-side waist-shaped light-emitting hole and organic light pole



SA-JD006 Optional
Steel plate spraying plastics frame , acrylic lighting decoration

Handrail series



SA-F001



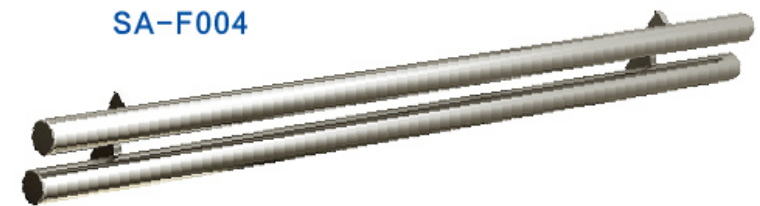
SA-F002



SA-F003



SA-F004



SA-F005



SA-F006

Landing door series



SA-JM001
Standard



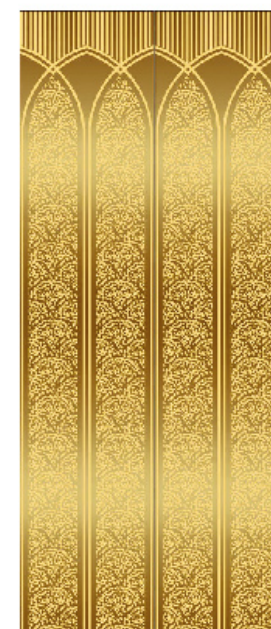
SA-JM002
Optional



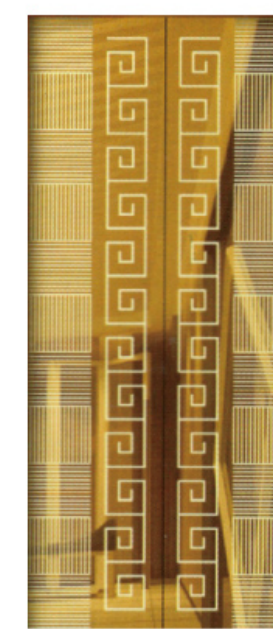
SA-JM003
Optional



SA-JM004
Optional



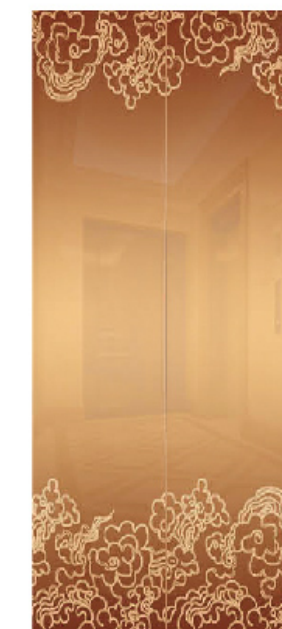
SA-JM005
Optional



SA-JM006
Optional



SA-JM007
Optional



SA-JM008
Optional

Function table

Safety function	Comfortable function
Fault detect & rescue	Into/go out of cabin
Motor overheat protection S	Door open button S
Automatic fault diagnostic S	Door close button S
Inverter overheat protection S	Light curtain protection S
Over current protection S	Misuse protection
Over load protection S	Cancel call by double click S
Anti reverse protection S	Call for the other direction S
Slip protection S	Comfortable ride
Overrun protection S	Illumination in cabin S
Main circuit fault protection S	Ventilation in cabin S
Door block protection S	Arrival indication S
Entrance light curtain protection S	Optimized speed curve S
Safety circuit protection S	Background music/voice announcement O
Change landing floor S	Special function
Automatic adjustment after power recover S	Handicapped function (braille button & voice announcement) O
Emergency landing rescue O	Through door control O
Rescue by telephone call O	Selective landing floor O
Running times counting S	Handicapped door open protection O

Control function	Information function
Automatic door opening S	Information at landing S
Adjustable door open time S	Running direction display S
Inspection operation S	Car position display S
Test operation S	Indication of registered call S
Auto home S	Fault warning S
Fault memory S	Information in cabin
Shaft information self learning S	Indication of registered call S
	Runing direction display S
	Floor number display S
	Overload warning S
	Fault warning S

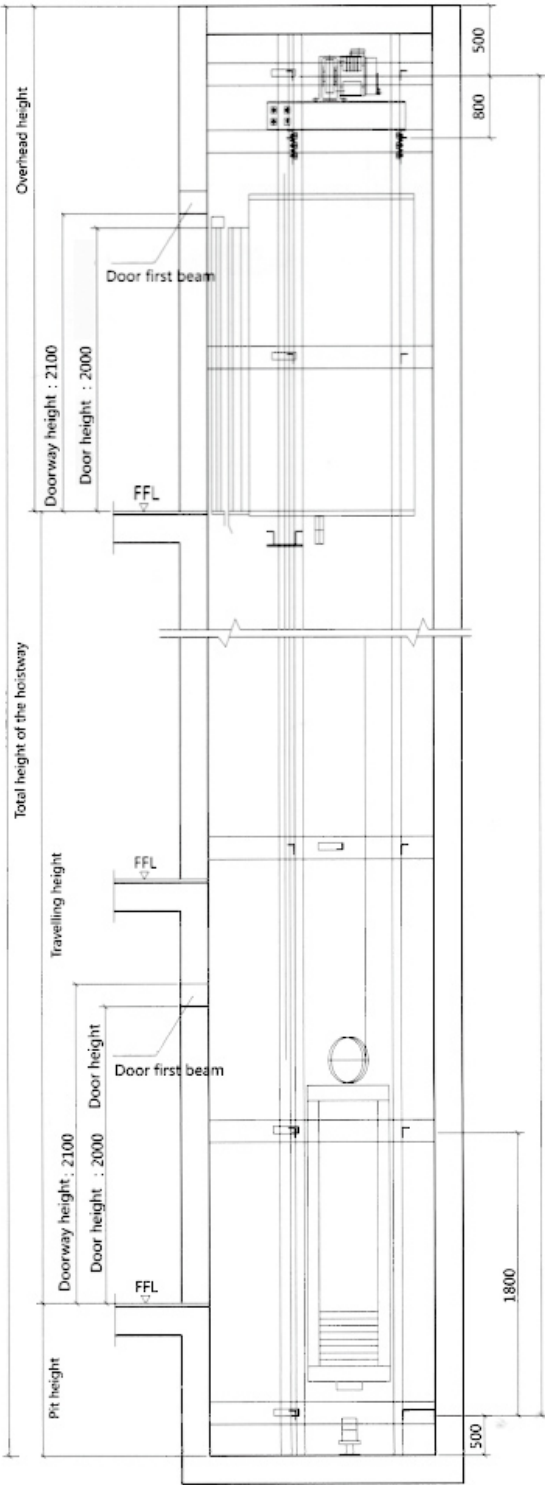


S- Standard
O- Optional Need to add

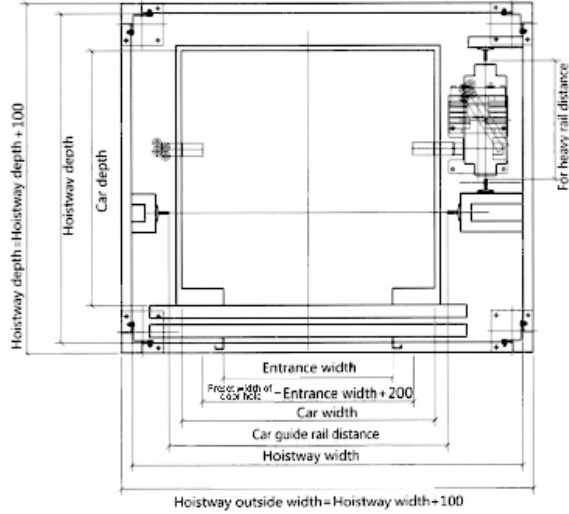
Remark: Please refer to Sail technical documents and contact our Sail sales person for details.

Gantry type traction construction parameters

Hoistway drawing



Hoistway plan layout

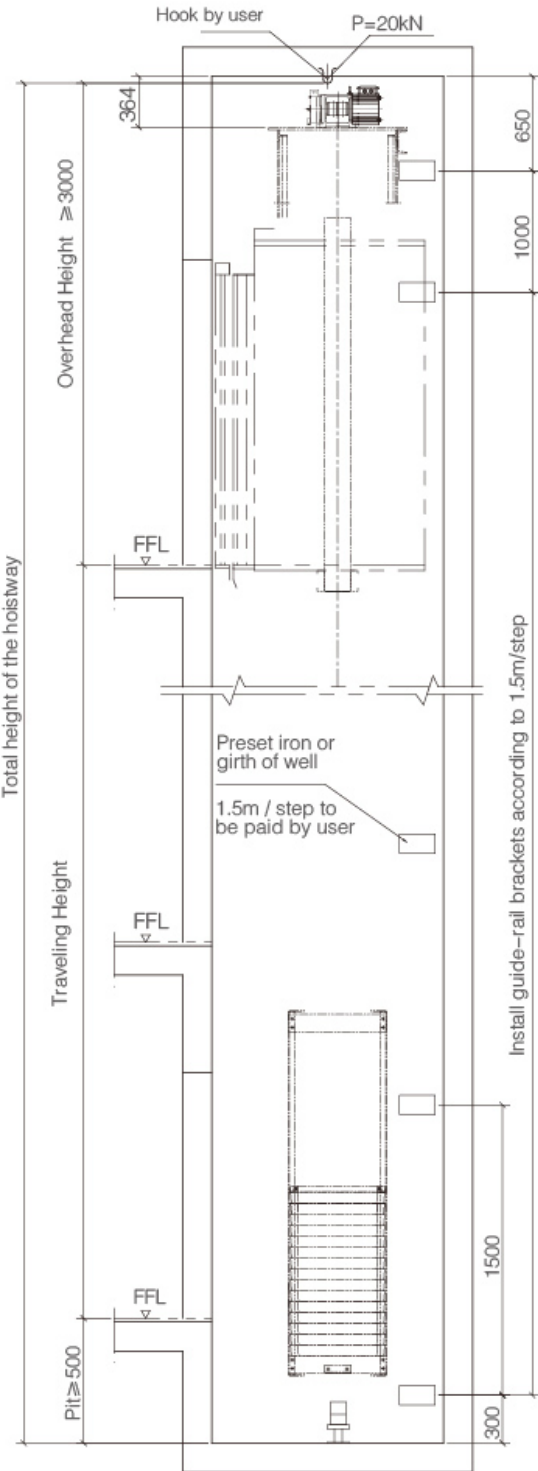


Load (kg)	250	320	400
Persons	3	4	5
speed(m/s)	0.4		
Control mode	AC VVVF variable frequency computer control		
Door opening mode	Side opening double-folded	Center opening door	
Entry / exit width (wide x height)(mm)	700x2000	700x2000	700x2000
Cage size (length x width) (mm)	900x1200	1000x1200	1200x1200
Shaft size (width x depth) (mm)	1550x1550	1650x1550	1850x1550
Overhead Height(mm)	≥3200		
Pit(mm)	≥450		
Maximum parking number	4F / 4-station		
Maximum lifting height (m)	12		
Power supply	A.C 1-220V 50HZ		

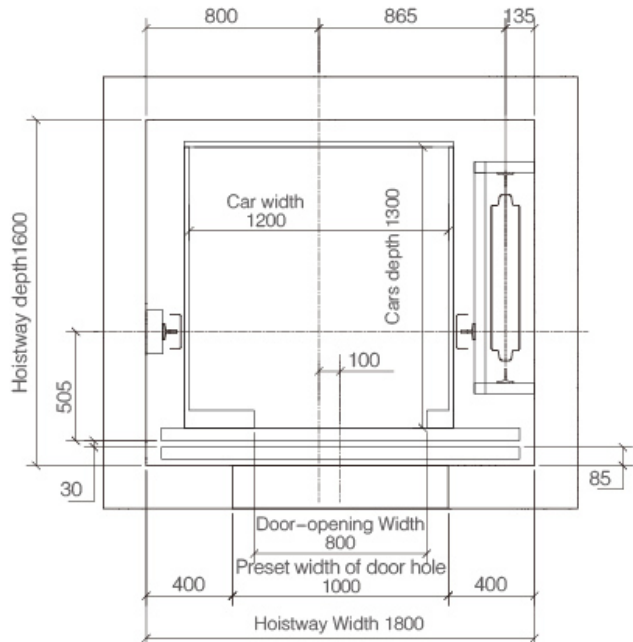
Note: Only for reference, final manufacture please follow contract

Construction of steel belt type household elevator

Hoistway drawing



Hoistway plan layout



Elevator variety	Rated speed(m/s)	Steel belt type household elevator	0.4
Rated capacity	Control mode	400kg	VVVF all selective control
Counterweight layout	Suspension ratio	Side counterweight	2:1
Inner car size		1200 (width) x1300 (depth) x2300 (height)	
Door opening pattern	Door opening size	Automatic center opening	800 (width) x2000 (height)
Service floor number	Landing display	Landing door	
Traveling height	Total well height	mm	mm
Traction machine model	Brand	FAXI	
Traction machine wattage	Current	1.1KW	A
Power	Lighting mains	380V	220V
Dead load of car		kg	
Composite counterweight	Iron counterweight	kg	kg
Floor height information(mm)			
PIT	-1F	1F	2F
500			
Bearing force point (KN)			
P1	P2	P3	P4
40	35	15	15
Item name	400kg villa elevator		

Note: Only for reference, final manufacture please follow contract

24-hour customer service hotline

Sail Intelligent elevator owns the powerful service team. They offers 24-hour all-weather safeguard for your passenger flow. Our repair & maintenance staff stress upon safe and practical properties with rapid response. They rush to the site as soon as possible. They go all out to provide you with effective long-term solution plans.

Long-distance monitor

Various repair & maintenance networks execute real-time monitor to running elevators through preset intellectual building system interface (i.e. long-distance monitor interface). If there is something wrong with elevator, it notifies after-sale staff to promptly solve the problem as soon as possible. It guarantees 365-day 24-hour safe & reliable elevator operation.

Specialized installation system

It persists in human-centered principle. It applies effective and precise customer management system and technical training system. It is equipped with professional installation team with rich experience. It regularly provides installation team with skill and safety training. It enhances their professional capabilities. It constructs an excellent installation team in elevator industry. It supplies all-round considerate service from ordering, booking to delivery and installation flows etc.

Perfect supply system

The enterprise pursues the objective of "being centered by clients". It establishes the perfect supply system. It can choose material nearby. It answers the clients as soon as possible. It offers prompt and convenient parts supply. It becomes the most powerful basic material guarantee in the service system. With coordination of the strong storage & delivery center, the customers can enjoy the more prompt and convenient service within the shortest time possible.

Considerate service

Professional repair & maintenance system

It regularly assigns repair and maintenance staff to test and maintain the elevators. It promptly finds the problems and remove any hidden danger in advance. It gives a full use of Web of Things technology. It fulfills organic linkage to elevator running condition test & alarm, emergency repair. It promises to arrive at site within 30 minutes. It provides vast clients with prompt and accurate repair & maintenance service.

