

Global Service Network-Overseas Area

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The image and content are just for you reference and please be subject to the actual products. Please pardon us for not informing you in advance if anything updated.

Please contact IFE for details.

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VILLUX Home Lift

Trusted by the World
Stock code: 002774

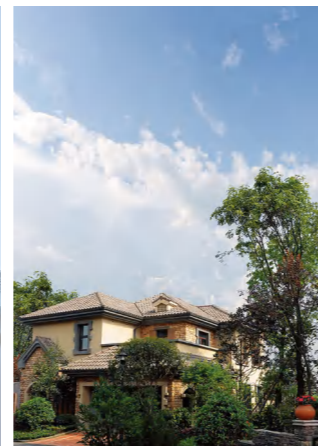
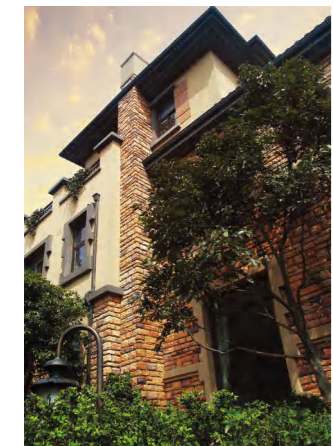




IFE | Villa Elevator | Key Project · Appreciation

Kaifeng Zheng Kai Country Garden

The putting into use of IFE elevators has bring much convenience to the community residents.



Classic Case

Every project is the footprint of IFE development! Every progress is a monument to architecture! During ten years of glorious experience, tens of thousands of examples have witnessed the IFE Elevator's contributions to the world. Every day, tens of millions of people enjoy the comfortable life supplied by IFE Elevators. Numberless well-known buildings in the world are better known for their use of IFE Elevators. In the future, more projects will be built integrated with the efforts of IFE Elevator.



Guangdong Guangda Group-Dongguan Tianjiao Yufeng Garden



Hebei zhongji Real Estate Development CO., Ltd-- Zhongji Bicheng



Shenzhen Shuixiehuadu Real Estate Development Co., Ltd. - Leimeng Shuixieshan Garden



Hong Kong Hutchison Whampoa Group - Hai Yi Hao Ting



Indonesia Golf Island



United Arab Emirates Dubai Hills



Huojianjun Beidaihe Recreation Home



Hainan Yefenghaiyuan Garden



Shanxi Guxing Real Estate Development Co., Ltd.-Guzhai Villa



Jiujiang Yulong Industrial Co., Ltd. (Yulong Hupan Garden)



Ningxia Tianehu Garden Villa



Taiyuan Yuda Real Estate Development Co., Ltd-April Day. First Residence

Advantages of VILLUX Home Lift

01 Space Saving, Flexible Layout

Smaller shaft size, Flexible layout

1350mm*1350mm shaft size can meet 400kg capacity lift. Rear counterweight or side counterweight can be arranged to meet the needs of wide shaft and deep shaft, and the occupied space is smaller, indoor and outdoor layout are flexible.

2900mm

The Minimum Overhead Height

200mm

The Smallest pit depth

Lower overhead

The elevator overhead can be as low as 2900mm, which can meet the general construction requirement of home lift.

Smaller pit depth

The pit depth only needs 225mm, does not affect the foundation of house and requires no additional construction cost.

02 Safe and reliable

Its service life is **2-3 times** more than traditional wire rope.

International qualify, reliable choice

The bending fatigue life of steel strip is as high as 10 million times. Its service life is 2-3 times more than traditional wire rope, with low running noise, no lubrication and more environmental friendly.

Industry's highest level safety certification

Adopt functional safety(SIL3) technology to realize safety protection, with multiple anti-trapped people design to ensure people's safety when taking elevators

Authoritative and reliable

CNAS laboratory has passed ilac-MRA certificate. Cabin structure is stable.

Villa+Luxury

VILLUX is a kind of high-end home lift designed for high-class residence and villa by IFE. Through flexible design and advanced drive control, expresses a free way to travel.



03 Efficient Energy Saving, Environmental-friendly



Environment friendly drive system

Creatively selecting permanent magnet synchronous tractor as driver to improve the operation efficiency, low starting current, small size, low noise. Compared with traditional hydraulic driven elevator and forced driven elevator, it saves energy 40 ~ 45%, reduces noise 5 ~ 10dB(A).

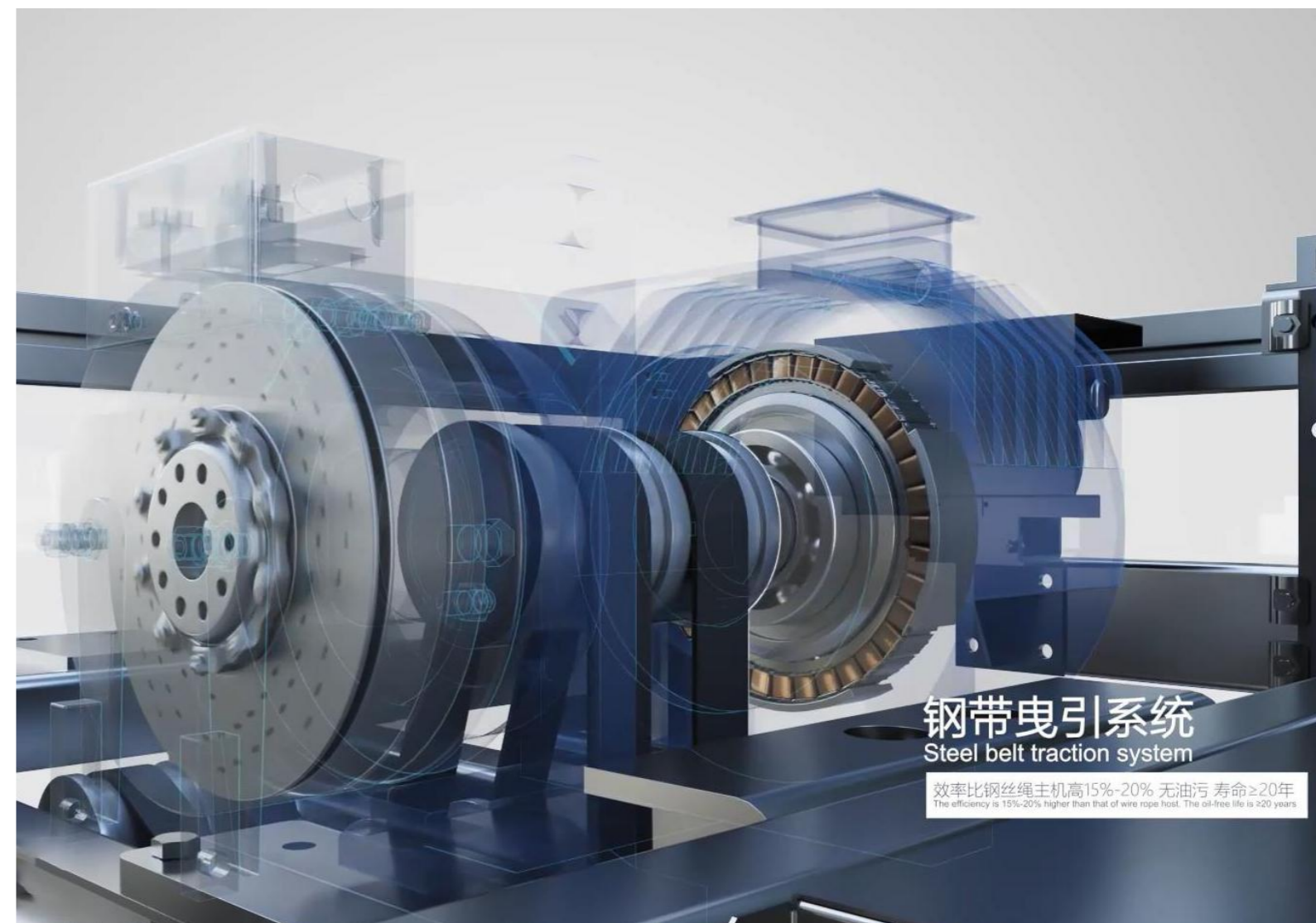
Maintenance-free self-lubricating guide shoe

Long service life, oil-free, maintenance-free, clean and environmental-friendly.

Silent and comfortable

TüV certified contactless control system makes the operating noise less than 45dB, allowing you to enjoy a quiet home life;

PMT vibration is 40% lower than the national standard.



钢带曳引系统
Steel belt traction system

效率比钢丝绳主机高15%-20% 无油污 寿命≥20年
The efficiency is 15%-20% higher than that of wire rope hoist. The oil-free life is ≥20 years.



04 Safe Escort Human Experience



Automatic Intelligent Rescue

When the power supply is normal, if the elevator breaks down, the system will automatically analyze and skip the failure (except for safety circuit, door lock circuit failure), and give priority to evacuate people when they reach the nearest floor at low speed.



No trap on power failure, smooth elevator ride

After power blackout, the Automatic Rescue Device will start automatically to deliver passengers to the nearest floor.



One-button Emergency Solution

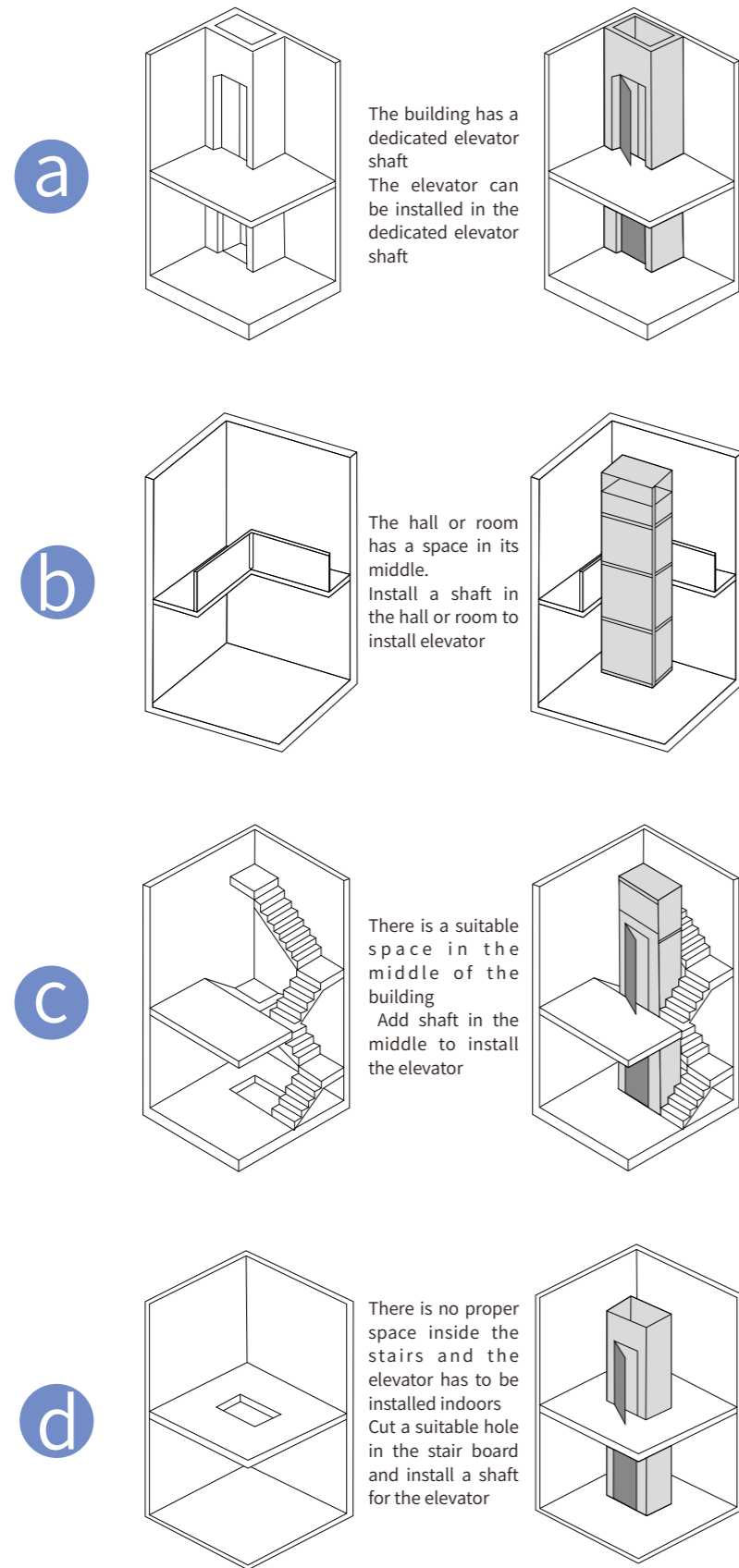
When pressing the car emergency button, the system will call the designated mobile phone to keep contact with outside



Elevator IoT function(not for free)

Automatically record the operation of elevators all day, the maintenance personnel will be informed immediately after the elevator breaks down.

Product Application Scenarios



- Rear and side counterweight can be flexibly arranged to accommodate different sizes of shaft
- High utilization rate of shaft for the lower overhead and pit depth
- Suitable for different types of building space layout: 4 kinds of building structure application scenarios (concrete shaft, surround staircase, hollow hall and floor openings)



Decoration Configuration

Car standard configuration



CAR90-02

Ceiling C65-05(Rose Gold Mirror Stainless Steel + ultra-thin Ceiling light)
 COP COP43-04(Rose Gold Hairline Stainless Steel)
 Car wall CW03-05(front/rear wall: Rose Gold Mirror Stainless Steel
 Two Sides: Rose Gold Hairline Stainless Steel)

Car door L01-08 (Rose Gold Mirror Stainless Steel)
 Floor F02-06(Marble)

Car standard configuration



CAR208

Ceiling C203 (Hairline Stainless Steel+LED Ceiling lights)
 COP COP43-00(Dot-matrix display/ Hairline stainless steel faceplate)
 Car wall CAR208(Hairline stainless steel)

Car door L01-00(Hairline stainless steel)
 Floor F02-06(Marble)

Note: If there is a slight difference between the physical objects and the effects. The final interpretation right belongs to IFE

Decoration Configuration

Car Optional Configuration

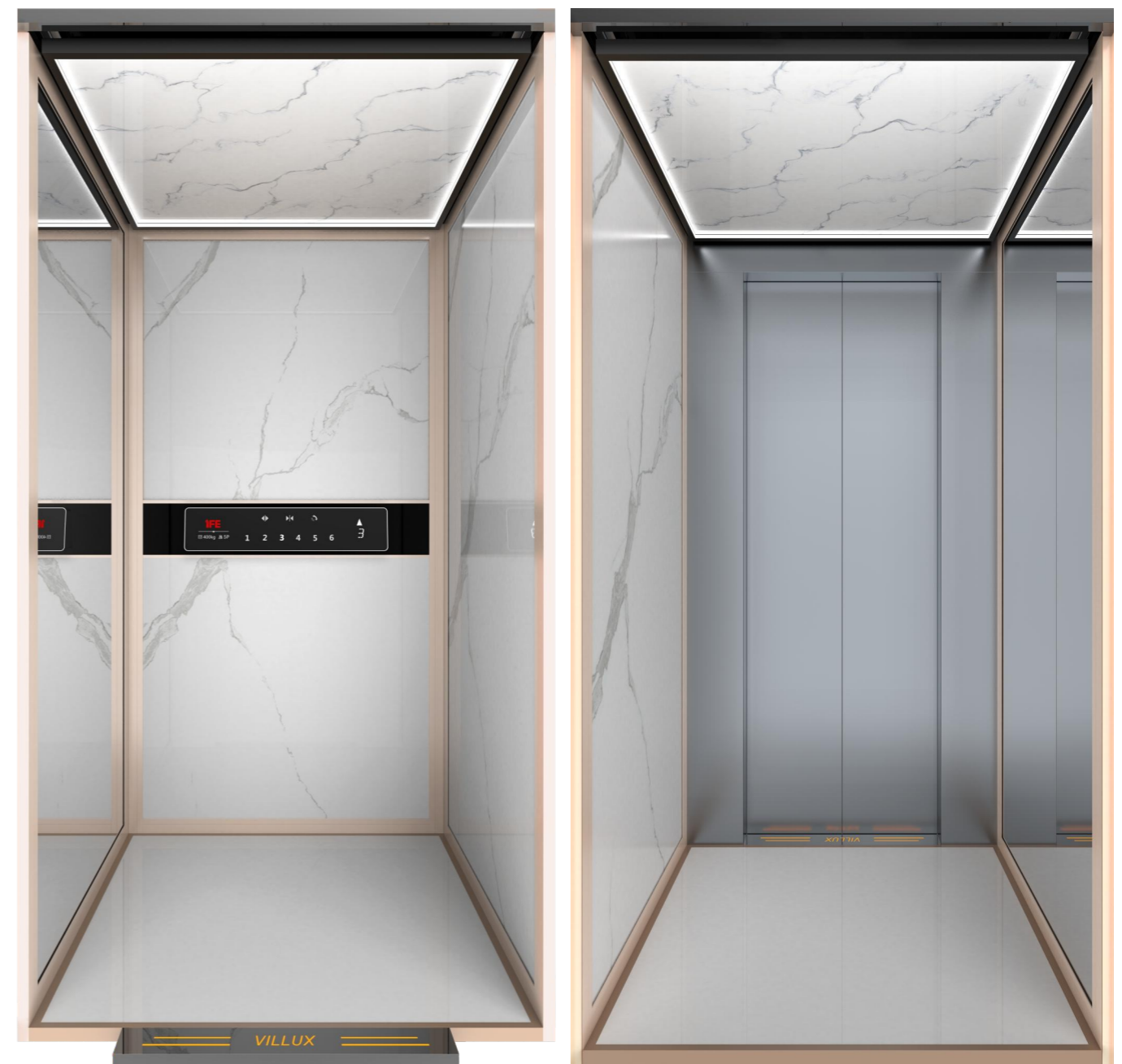


CAR505

Ceiling C501(Honeycomb aluminum plate + aluminum alloy frame +LED light belt)
 COP COP503(LED segment display/stainless steel frame + glass faceplate)
 Car wall CAR505(Front wall/lintel:Black titanium mirror stainless steel anti-fingerprint treatment
 Left side wall: Aluminium alloy frame+Black titanium mirror stainless steel anti-fingerprint treatment
 right side wall: Aluminium alloy frame+wooden decoration
 rear wall: Aluminium alloy frame+wooden decoration

Car door L01-16(Black titanium mirror stainless steel anti-fingerprint treatment)
 Floor F203 (Marble)
 WEL pedal VILLUX with yellow light

Car Optional Configuration



CAR506

Ceiling C501(Honeycomb aluminum plate + aluminum alloy frame +LED light belt)
 COP COP503(LED segment display/stainless steel frame + glass faceplate)
 Car wall CAR506(Front wall/lintel:Sandblasted stainless steel anti-fingerprint treatment
 Left side wall: Aluminium alloy frame+ Mirror stainless steel anti-fingerprint treatment
 right side wall: Aluminium alloy frame+rock beam
 rear wall: Aluminium alloy frame+rock beam

Car door L01-17(Sandblasted stainless steel anti-fingerprint treatment)
 Floor F203 (Marble)
 WEL pedal VILLUX with yellow light

Decoration Configuration

Car Optional Configuration



CAR99-21

Ceiling C63-03(Mirror stainless steel+Ultrathin ceiling Lamp)
 COP COP43-05(Rose gold mirror stainless steel)
 Car wall CW06-01(Front Wall & Side Wall: Rose Gold Mirror Stainless Steel
 Rear Wall : Craft glass)

Car door L04-04(Rose Gold Mirror Stainless Steel + Safety laminated glass)
 Floor F02-09(Marble)

Note: If there is a slight difference between the physical objects and the effects. The final interpretation right belongs to IFE

Decoration Configuration

Car Optional Configuration(panaramic)



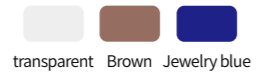
CAR90-20

Ceiling C57-00 (Mirror Stainless Steel+LED Ceiling Light)
 COP COP500-01(13 inch touch screen/white faceplate)
 Car wall CAR90-20 (Front wall/ lintel: Mirror Stainless Steel
 Side/Rear Wall: Champagne gold aluminum alloy frame+ Tempered laminated glass)
 Car door L06-00 (Champagne gold aluminum alloy frame+ tempered laminated glass)

Floor F02-00(Marble)
 HOP HOP506(Acrylic faceplate+ Zinc Alloy frame)
 Landing door L06-00(Champagne gold aluminum alloy frame+ tempered laminated glass)
 Opening Central Opening

Shaft Structure

Glass Optional Color



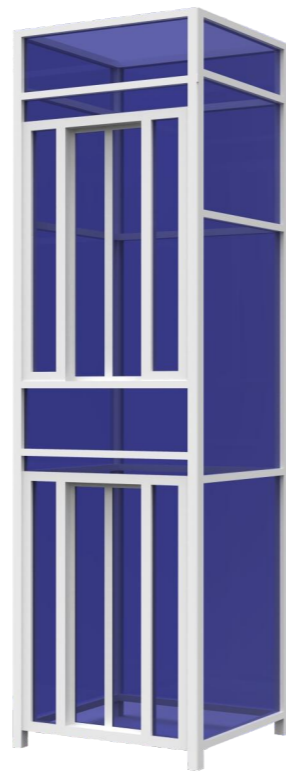
Aluminum alloy shaft structure optional color



Black aluminum alloy shaft structure + Transparent glass



Champagne gold aluminum alloy shaft structure + Brown glass



White aluminum alloy shaft structure + Jewelry blue glass

Decoration Configuration

COP



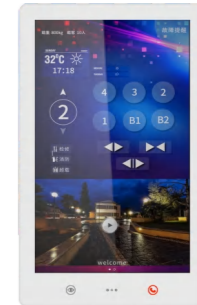
COP43(Standard)

COP43
· Size: 170*690*55 (W*H*D)
· Flush mounted, Push button
· Dot-matrix display
· Emergency button
· Stainless steel faceplate



COP503(Optional)

COP503 (optional)
· Size: 700*150*25(W*H*D)
· Surface-mounted, touch button
· LED Segment display
· Emergency button
· glass faceplate+stainless steel frame



COP500-01(Optional)

COP500-01 (Option)
· Size: 200*350*13 (W*H*D)
· Surface-mounted, 13 inch touch screen
· Voice announcement, multi-media display
· Emergency button

Decoration Configuration

Landing Door Decoration Standard Configuration+ Optional Configuration



Standard Configuration
L01-08

Door Panel: Rose Gold Mirror Stainless Steel
Door Jamb: Rose Gold Mirror Stainless Steel



Optional configuration
L01-17

Door panel: Sandblasted stainless steel with fingerprint resistant treatment
Door jamb: Sandblasted stainless steel with fingerprint resistant



Optional configuration
L06-00

Door panel: Champagne gold aluminum structure + tempered laminated glass

Decoration Configuration

HOP



HOP212(Standard)

HOP212
· Size: 93*265*16
· Surface-mounted
· Glass faceplate
· LED Segment display, push button



HOP506(Standard)

HOP506
· Size: 55*120*15
· Surface-mounted
· Acrylic faceplate+zinc alloy frame
· dot-matrix display, touch button



HOP211-01
(Optional)



HOP211-02
(Optional)

HOP211-01/HOP211-02
· size: $\phi 75 \times 18$ (diameter*thickness)
· Surface-mounted
· Circle color (Blue/Yellow)
· Dual color status indicator, elevator abnormal display red
· High resolution OLED display of floor and direction

VILLUX Home Lift Function Table

Basic Function		
Operation Function		
01	Full selective collection	Collect all the calling signals to answer selectively based on the signal control system
02	Car call cancellation	Double click the COP button to cancel the wrong command to achieve car call reset
03	Door open\Close button	Micro buttons on the COP to control the door open\close to that passengers could handle the open\close timing flexibly
04	Torque compensation in start	The system will calculate as per the load in cabin and optimize the torque compensation to give more comfort when the elevator just starts
05	Direct landing function	Micro-computer controller automatically calculate the optimize the speed profile according to the target floor
06	Resume operation in power supply	When the position signal is failed to retain or not sure about the elevator position after a power failure, the elevator would go to the end floor to reposition and be back to normal running
07	Automatic home landing	The elevator would be back to base floor to stand by under automatic condition if there is no calling command within the setting time
08	Door reopening by landing	Push the hop button same as the elevator going direction when the door is closing, then the door will reopen
09	Door open\Close button light	Door\close button light lights up to indicate the successful answer

10	Safety loop protection	When the elevator fails, elevator micro-computer control system will report the fault code based on the preset fault code to bring convenience to maintenance staff
11	Fault code storage	The computer would store fault records of elevator and report to manufacturer maintenance staff to take statistical analysis
12	Overload protection	When the car is overload, the overload buzzer will sound alert, at this moment, that door is not closing and the elevator is not working
13	Light curtain door protection	The system forms a dense infrared cross light curtain at the elevator door, which can make a keen response to people or objects entering its detection area, so as to protect passengers from entering and leaving the door safely
14	Door reverse	The door is subjected to a reverse resistance exceeding the preset torque value when it is closing the elevator will reopen
15	Door interlock protection	When the landing door and car door are both in normally closed state, the elevator will operate normally only when the control system judges the elevator is normal
16	Landing zone guard	For safety reason, the car door cannot open in the non-leveling zone
17	Downward over speed protection	Then the downward speed of elevator exceeds a specified speed, the govern will take action and the safety circuit will be cut off while safety gear brakes, then the car stops
18	Upward over speed protection	Then the upward speed of elevator exceeds a specified speed, the govern will take action and the safety circuit will be cut off while the traction machine brakes, then the car stops
19	Reversal movement guard	When the system detects the actual running direction is inconsistent with the specified direction, the car stops immediately and alarms
20	Brake guard	Brake relay signals are being monitored in the entire process. when the brake relay finds the actual state is inconsistent with the specified command, the system will stop the elevator operation
21	Safety torque off	STO safety control technology with international SIL3 certification is adopted to ensure the reliable operation of home lift
22	Speed limited switching at terminals	When the elevator is running to the terminal station and the operation speed is not reduced to a preset value the system will be forced to slow down to ensure the safe operation of elevator
23	Buffer safety protection	When the elevator passes over the terminal floor for any reason, car buffer and counterweight buffer will start the protection and the safety circuit will be cut off in the meantime
24	Micro-computer scanning protection	Before the elevator be back to power after power failure, it would scan input and output points of govern, when finds abnormal state after checking data, the elevator stops running
25	Anti-Locked-Rotor Feature of Motor	If the traction machine does not run due to mechanical jamming when the elevator is starting operating and it exceeds the preset timing, the system will stop the elevator operating
26	Electrical safety loop	The circuit formed by the connection of all electrical safety devices, and the action of any electrical safety device can stop the elevator

Basic Function		
Special Operation		
27	Main floor setting	According to site requirement by setting the main station based on basic parameters, the elevator will return to the preset floor when it exceeds a specified timing without any operation
28	Fire Layer Setting	The fire floor can be set by the fire floor in the basic parameters according to the requirements of the site. When the fire signal is input, the elevator will be lowered to the floor
29	Overhaul and Manipulation of Car Roof	The elevator can be operated at a low speed in the selected direction by pressing the upper, lower and public buttons of the car roof overhaul box. The open and close buttons control the opening and closing of the elevator so as to make the overhaul and maintenance safer and faster
30	Specific Layer Service Functions	According to the customer's needs, whether the elevator stops on a certain floor or not can be set up

Interface		
31	Rolling Direction Display	The control panel in the car and the call box in the hall of each floor are used to display the direction of the elevator, so as to facilitate passengers to understand the current operation status of the elevator
32	Digital Floor Display	On the control panel in the car and the call box in the hall of each floor! Display the floor station of the elevator with dot-matrix LED lamp at any time, so as to facilitate passengers to know the current running position of the elevator
33	Customization of Floor Display	Special floor display fonts can be customized depending on the need

Emergency Function		
34	Emergency light in car	The emergency light device set in the car is enabled in case of power failure
35	Emergency Electricity	When safety forceps, upper limit, lower limit, upward overspeed, speed limiter switch action, emergency electric function can be operated in the control cabinet, so that the elevator slowly up or down, in order to facilitate rapid rescue
36	One-button Emergency Call	Press the emergency button in the car and dial the preset number repeatedly to ensure that the passengers can contact maintenance personnel, relatives and friends at any time (The stability of connection between phones depends on the local signal).
37	Automatic Rescue Operating Device	When the elevator is powered off suddenly in normal operation, the device will move quickly, driving the elevator to run at low speed to the nearest floor, opening the door to evacuate passengers
38	Electric brake release	When the elevator failure cannot be eliminated in a short time, the maintenance personnel can operate the device to make the elevator reach the nearest floor at low speed and evacuate passengers quickly.

Energy Saving Function		
39	Energy saving standby	In the absence of any operation instructions, the elevator will enter the energy-saving mode within the predetermined time after closing the door, closing the lighting and fans in the sedan car
40	Fan Control	Control the on/off of the fan of the car at any time through COP

Villux Home Lift Technical Parameters

NO	Spercification	Parameter
01	Rated capacity(kg)	400
02	Speed(m/s)	0.4
03	Drive method	Steel belt traction drive
04	Door control	VVVF
05	Traction machine	Permanent Magnet Synchronous Gearless Motor
06	Control System	CTRL80 Integrated Controller
07	Motor rated power(kW)	1.2
08	rated current(A)	5
09	Starting power at rated load(A)	7.5
10	Power	Standard: Single phase 220V (Optional 380V);3.5kVA
11	Minimum wiring requirements	2* 2.5 mm ² copper sheath cable + 2.5mm ² yellow-green cable
12	travel height(m)	≤18
13	Minimum floor height	Door height +350 (2PCO)/Door height +375 (4PCO)/Door height +420 (side opening)

NO	Spercification	Parameter		
01	Shaft size (width*Depth)mm	1600*1545	1350*1615	1800*1100
02	Car size(mm) (width*depth*height)	1200*1100	950*1100	1250*850
03	Door opening size(mm) (width*height)	Central Opening(narrow jamb)750*2000	Left Side Opening(narrow jamb)700*2000	Central Opening(narrow jamb)800*2000
04	Counterweight arrangement	Rear counterweight		Side counterweight
05	Car height(mm)	2100		
06	Overhead height(mm)	≥2900		≥2950
07	Pit depth(mm)	With marble: 225 With PVC: 200		

- Note: 1. Maximum area of car= (rated load/250)m²
 2. Door height refers to the requirements of civil layout drawings
 3. Please consult our salesman for the shaft size. We can provide solutions such as aluminum shaft structure and hand door.

