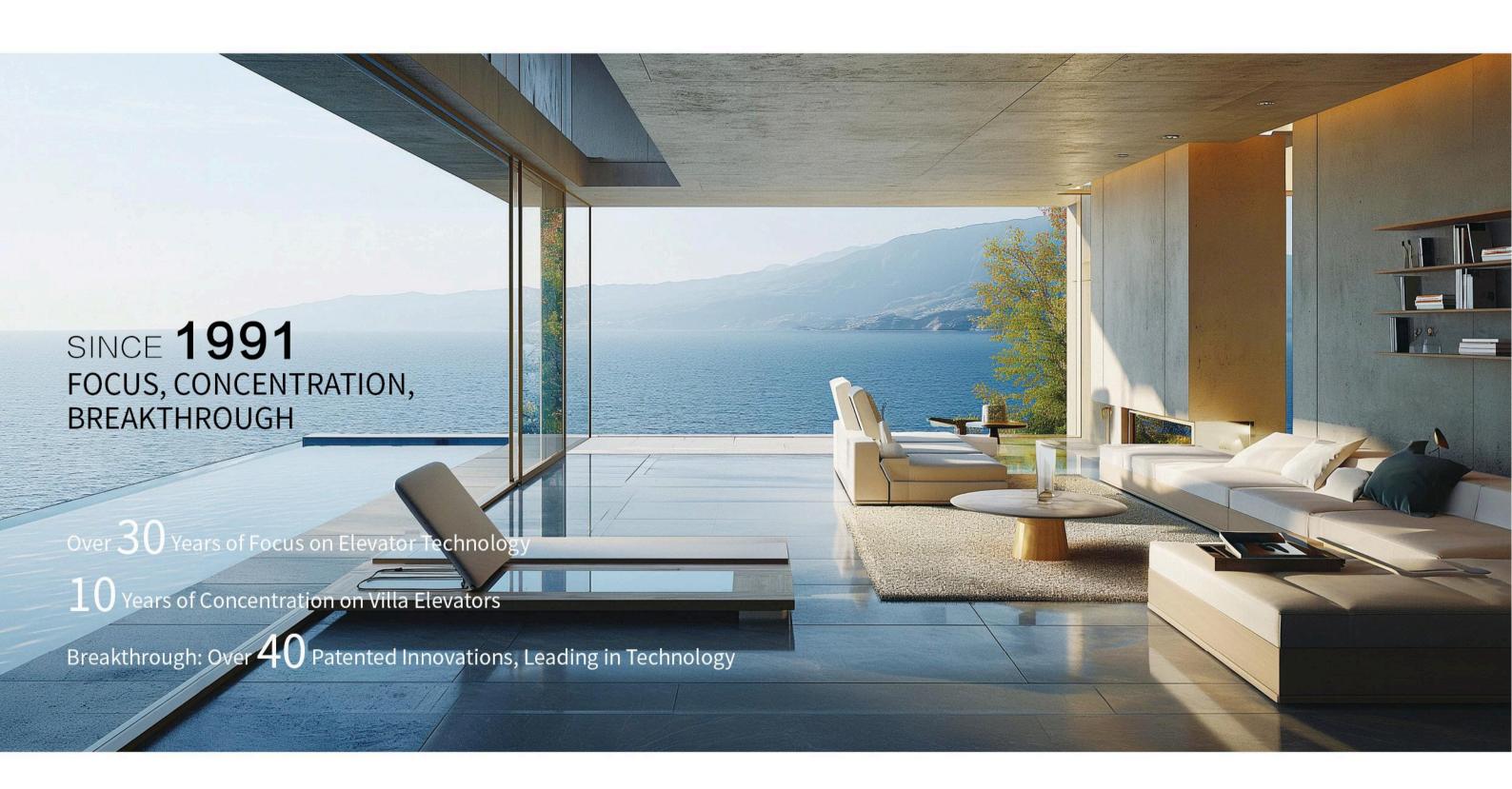
THE ZENITH OF CREATION





BELT TRACTION VILLA ELEVATOR ZV SERIES

Load: 180, 280, 320, 400, 480kg

Speed: 0.3, 0.4, 0.63m/s

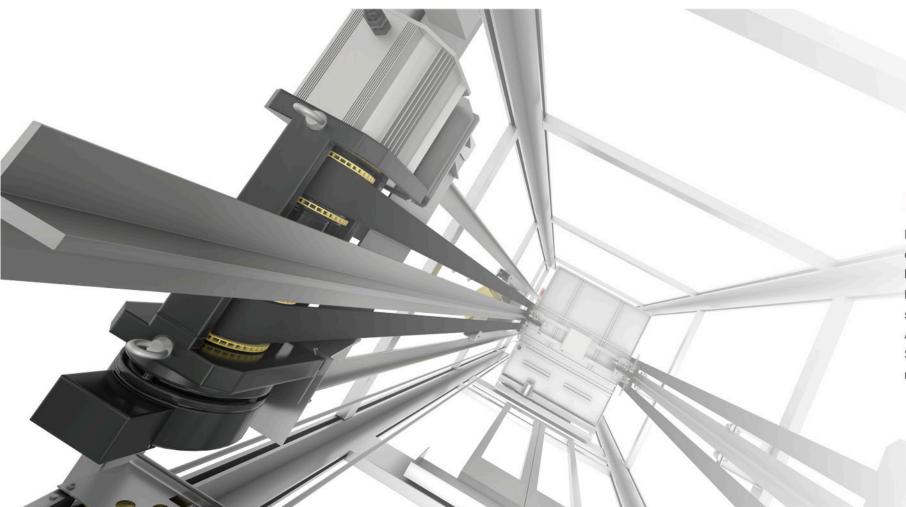
The steel belt traction machine designed specifically for home elevators is technologically advanced compared to traditional gearless traction machines, offering reliable performance and clear advantages:

- 1. High efficiency and energy saving: Operating power of 1.1KW.
- 2. The steel belt rolls silently against the traction wheel and car bottom wheel, reducing noise interference.
- 3. The steel belt has a fatigue life of 20 million cycles and has passed tensile strength tests, outperforming traditional steel ropes, verified by international TUV testing.
- 4. The traction machine and brake have passed type tests equivalent to national traction machine standards, with testing commissioned by national elevator inspection agencies and CE certification from Rhine TUV.
- 5. With independent intellectual property rights and leading technology, we hold multiple invention and utility model patents, making us a leading domestic brand supplier of steel belt traction elevators.



Steel belt traction machine, environmental protective

The steel belt machine has a compact structure, with a smaller sheave diameter and volume. The reverse sheave diameter is small, allowing installation in the car top or under the car beam. The non-rigid contact between the steel belt and sheave results in lower noise and enhanced comfort. The sheave diameter of the steel belt machine is significantly smaller than that of traditional sheaves, with the main machine's efficiency being 15%-20% higher than similar motors, leading to greater energy savings.



Honor cabinet

Integrated design, deep integration with a control cabinet volume only 30% of traditional control cabinets.

No contactor application and fanless design, with control cabinet noise levels below 40 decibels. High-performance drive platform with innovative algorithms, thoroughly addressing elevator start-up and operational comfort issues.

Achieved TUV and Sil3 safety level international certification; unique "5S" design concept: Small, Silence, Save, Safe, Smart; equipped with intelligent automatic rescue, power failure automatic rescue, and one-button rescue for multiple safety guarantees.

NON-STANDARD SIZE TAILOR-MADE

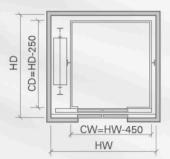
Various door opening methods can be designed according to user layout and needs.

Pit Depth: 80mm (car top wheel), 150mm (car bottom wheel), 200mm (backpack frame).

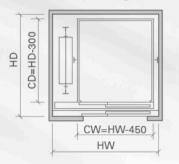
Top Floor Height: 2700mm (car top wheel), 2500mm (car bottom wheel), 2900mm (counterweight behind the gantry, backpack frame with right-angle door).

The dimensions shown are for reference only; specifics are subject to design.

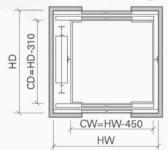
Center-opening door



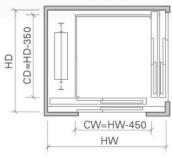
Side-opening door



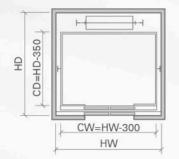
Opposite opening door (Center-opening)



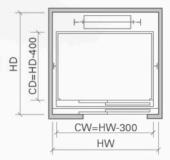
*Right-angle door for backpack frame (Side-opening)



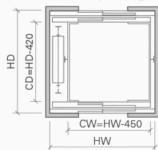
Center-opening door



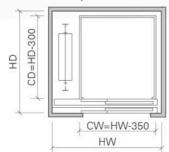
Side-opening door



Opposite opening door (Side-opening)

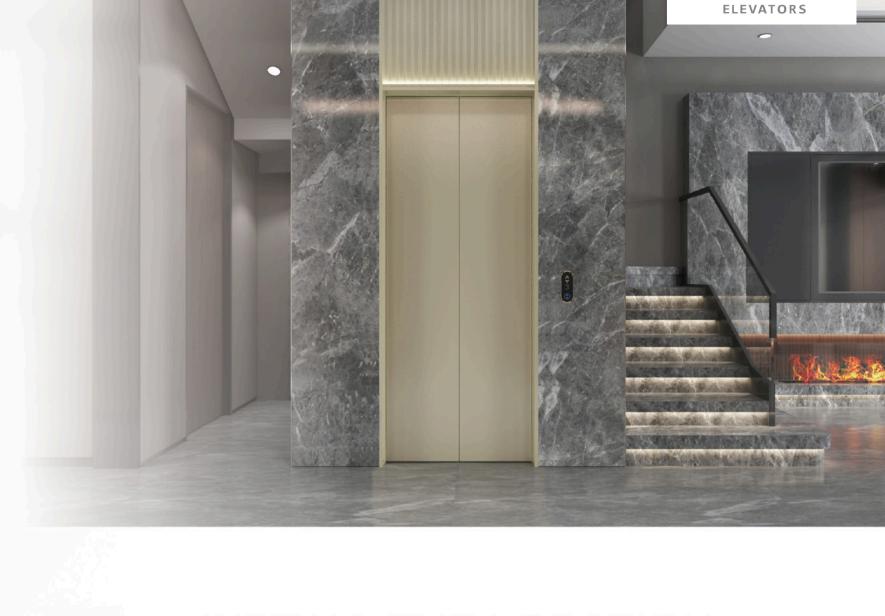


*Side-opening for backpack frame

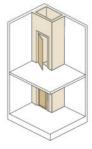


HW - Hoistway width HD - Hoistway depth

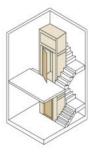
CW -Car width CD - Car depth



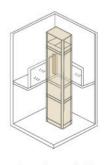
INSTALL THE LOCATION OF THE SCENE



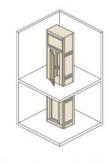
Concrete shaft



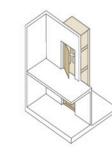
Around the stairs



Spacious hall



Opening at the floor

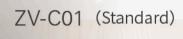


SUP \$\mathcal{z} RIOR

Installed outdoors



CAR DECORATION



Ceiling: Aluminum alloy fine frame
+LED light +LED light strip

Rear wall: Mirror stainless steel
Side wall: Vibration stainless steel
Front wall: Vibration stainless steel

Floor: PVC



Cabin 360 panoramic view







CAR DECORATION

ZV-C03 (Optional)

Ceiling: Aluminum alloy fine frame+white

decorative panel + Middle LED

downlight, hidden light strips around

Rear wall: Cloth patterned decorative panel,

black titanium stainless steel

embedded strip

Side wall: Cloth patterned decorative panel,

black titanium stainless steel

embedded strip

Front wall: Champagne gold and textured

stainless steel

Floor: PVC or rock board



Cabin 360 panoramic vie





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CAR DECORATION

ZV-C04 (Optional)

Ceiling: White carbon aluminum panel +

hidden linear light strip+LED downlight

Rear wall: Wood grain decorative panel,

mirror stainless steel

Side wall: Wood grain decorative panel

Front wall: Vibration stainless steel

Handrail: Flat black titanium handrail

Floor:

PVC or rock board



Cabin 360 panoramic view







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CAR DECORATION

ZV-C06 (Optional)

Ceiling: Aluminum alloy frame

+ white carbon aluminum panel

+ hidden LED linear light

Rear wall: Cloth patterned decorative panel,

art glass in the middle,

hidden LED linear light

Side wall: Wood grain decorative panel

Front wall: Antique copper vibration stainless steel

Floor: PVC or rock board



Cabin 360 panoramic view









COP



ZCOP-01 (Standard) Vibration stainless steel panel



ZCOP-02 (Standard) Glass panel



ZCOP-03 (Optional) Oval push-button control box



ZCOP-04 (Optional) Oval knob control box



ZCOP-05/06 (Optional) Intelligent touch screen





ZHOP-01 (Standard) Glass panel HOP



ZHOP-02 (Optional) Touch button (strip type)



ZHOP-03 (Optional) Glass panel touch-integrated external call button



ZHOP-04 (Optional) Touch screen HOP



ZHOP-05 (Optional) Gesture sensing external call



ZHOP-06 (Optional) 4-inch touch screen



ZCOP-07 (Optional) Glass panel button type (horizontal)

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0

2

ZCOP-08

(Optional)

Full-height control box

LANDING DOOR (OPTIONAL)





ZV-M001 Vibration stainless steel



Titanium gold vibration stainless steel



ZV-M003 Rose gold vibration stainless steel



ZV-M004
Champagne gold vibration stainless steel



ZV-M005
Antique copper vibration stainless steel



ZV-M006

Black titanium vibration stainless steel



Black titanium mirror etched stainless steel

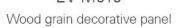


Light champagne gold vibration stainless steel etching



Shallow antique copper vibration stainless steel etching







Wood grain decorative panel



Wood grain decorative panel

FUNCTION TABLE



General protection

Door closing time protection

Car emergency lighting

Limit switch protection

Light curtain protection device

Emergency electric operation on car top and control cabinet

Fault automatic diagnosis

Alarm bell

Bottom buffer device

Door cannot be opened outside door zone

Brake monitoring protection

Contactor feedback monitoring

Relay inspection protection

Speed feedback monitoring

Reverse operation protection

External call button embedded self-diagnosis

Low-speed self-rescue in case of fault

Anti-slip protection

Safety circuit protection

Overload prevention (Warning light and buzzer)

Upper and lower limit protection device

Door interlock protection

Operation contactor protection

Grid voltage fluctuation detection

Drive equipment overheating protection (OHT)

Electric brake release

Automatic Rescue Device (ARD) for power-off

One-touch dialing

Steady running

Automatic return to base station

Automatic open and close door

Non-stop full-load operation

End station for speed and floor number correction

Hoistway self-learning

Stopping

Collective selective control

Standby floor setting

Pre-torque output



Information display

Hall digital position indicator

Car digital position indicator

Car direction indicator

Customizable floor display characters

Hall and car call/register

Trip counter display

Hall direction indicator



Security monitoring

- * Intercom from monitor room to machine room, car (Exclude machine room wired to monitor room)
- * CCTV cable (From car to machine room)

Elevator remote monitor

- * BA interface (Dry contact)
- * Card reader



Comfortable ride

Hall and car door timing (automatic door)

Open and close door button (automatic door)

Automatic ventilation and lighting control in car

Hall button calls door opening (automatic door)

Non-stop floor setting

Repeated door closing (automatic door)

Manual floor selection

Mistaken floor selection cancellation

* Voice floor announcement

Note: * is optional function