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TECHNOLOGY CREATES A BETTER LIFE

NEW XI'AO ELEVATOR GROUP

SURAPID ***FWD*** | **Optimax**

Elevator Components & OEM

The World's Preferred Elevator and Escalator Solution Provider

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and the specific content is subject to the official signing of the contract

Version number: 202504A

Qingshan Elevator Components Intelligent Industrial Park

- ▶ Park covers an area of 350 mu, is mainly engaged in the R&D and manufacturing of elevator core components.
- ▶ The sales of elevator core components such as control cabinets, cabins, door operator, fixture, etc. rank first in the country.
- ▶ It has provincial high-tech R&D enterprise center, enterprise research institution and post-doctoral scientific research workstation.



Hengfan Elevator Components Intelligent Industrial Park

- ▶ The park project is expected to have a total investment of 150 million in equipment.
- ▶ It is expected to purchase high-end digital equipment such as door machine line, painting line, SMT, display automation line, turret drilling punch press, CNC bending machine, and shearing machine.
- ▶ After the completion of the project, an annual production capacity of 150,000 sets of elevator parts will be formed.



Jiaxing Elevator Components Intelligent Industrial Park

- ▶ Cover an area of 237 mu, is mainly engaged in production of passenger elevator, cargo lift, escalator, heavy duty escalator and their related components
- ▶ Buy production equipments such as bending machine, multi-station punch, shearing machine, laser cutting machine, painting line, spray-painted line.
- ▶ After completion, it will have an annual production capacity of 20,000 sets of elevator components and 10,000 sets of escalator components.



Tianjin Elevator Components Intelligent Industrial Park

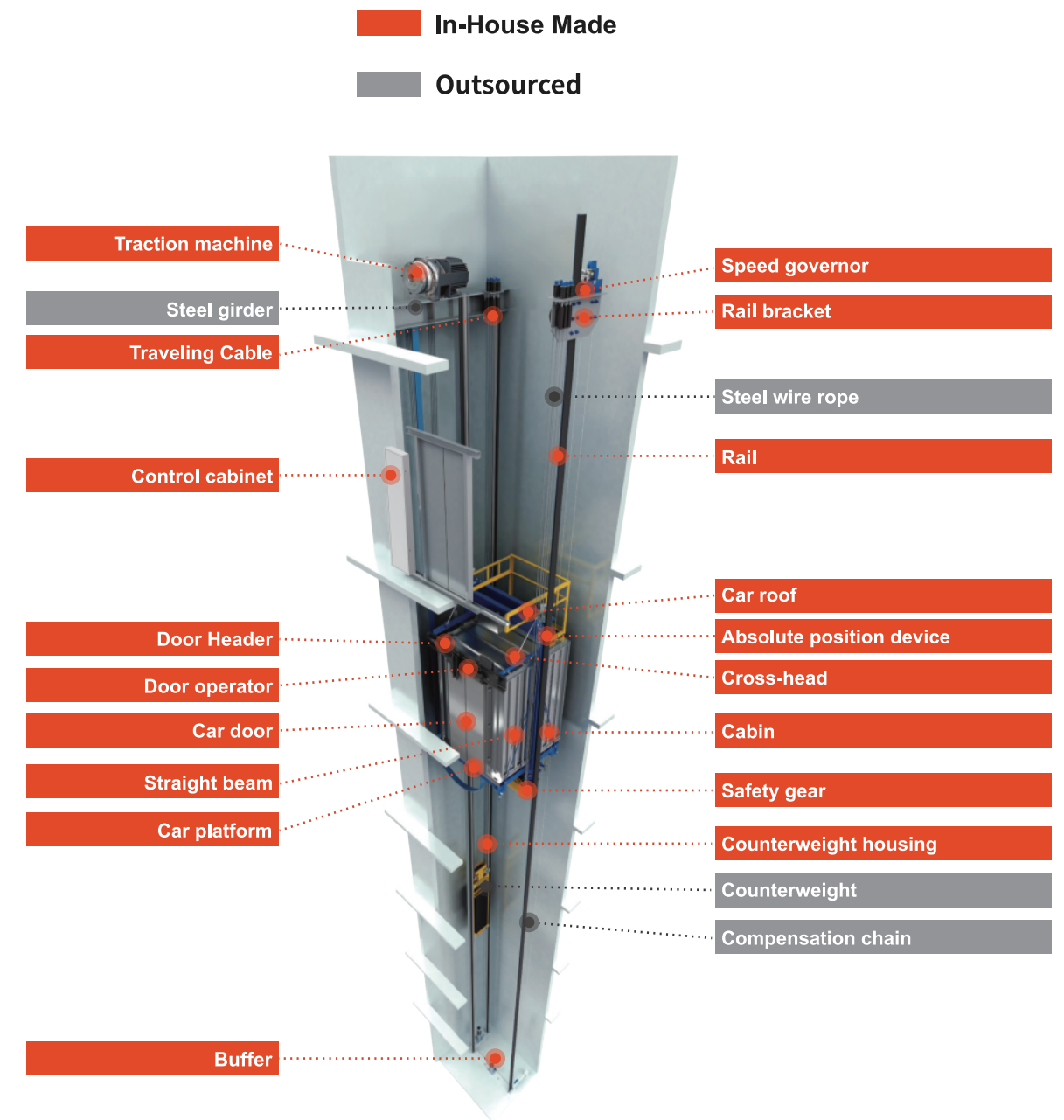
- ▶ Founded in 2010, it covers an area of 252 mu with a total investment of 800 million.
- ▶ With a digital intelligent production management system, it provides products and services for world-renowned elevator companies.
- ▶ The annual production capacity of the whole elevator is 6000 units.



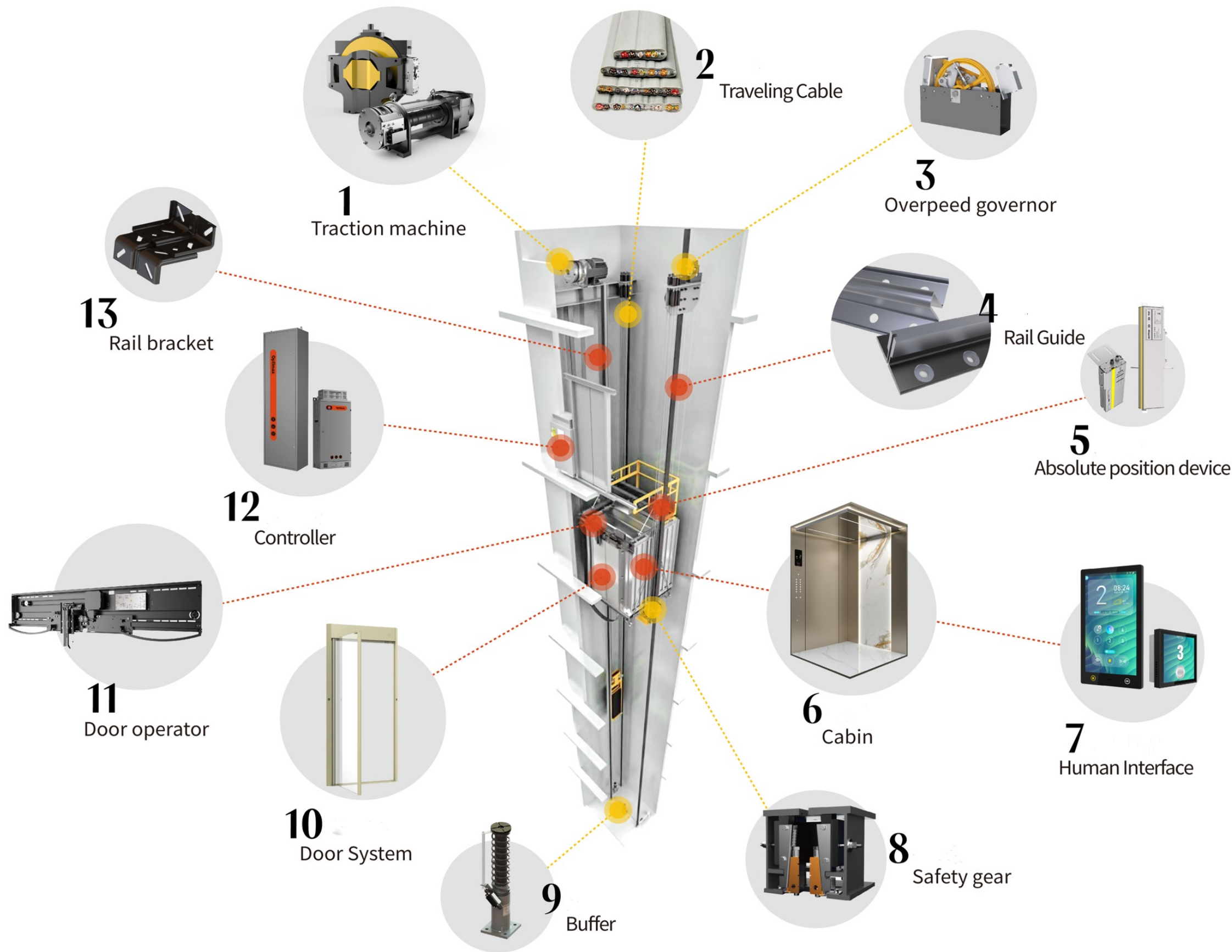


Diagram of Components

INTELLIGENT MANUFACTURING COMPONENTS



**All core components are in-house made
the most complete homemade chain in the industry.**





Integrated Solution for New Lift and MOD

High-speed Elevators, Commercial Elevators, Residential Elevators,
a full range of product solutions.

01

Product Features

MR ELEVATOR

Energy Saving Permanent Magnet Synchronous Gearless Traction Machine

Adopting permanent magnet synchronous gearless traction machine, breaking through traditional design, no excitation required, small starting current, high transmission efficiency, and more reasonable structure. Compared with simultaneous interpreting traction machine, it has higher efficiency, eliminates noise and vibration caused by traditional traction machine, and makes the elevator run quietly. Energy conservation and environmental protection, with an energy-saving effect of over 30%.

Fully Digital Control

The use of dual 32-bit fully digital control integrates elevator control and driving, with features such as rich functionality, intelligent control, and low noise. Ensure stable elevator performance, safety and comfort.

High-efficiency Permanent Magnet Frequency Conversion Door Operator Comfortable and Quiet

The main technical indicators and safety performance of the door operator have been certified by the authority to effectively ensure the safety and stability of the elevator. Adopt the latest door drive system and closed-loop vector control, grasp the overall situation and be easy to control. Compact structure, energy saving and environmental protection, reliable operation, convenient installation, low noise and so on.

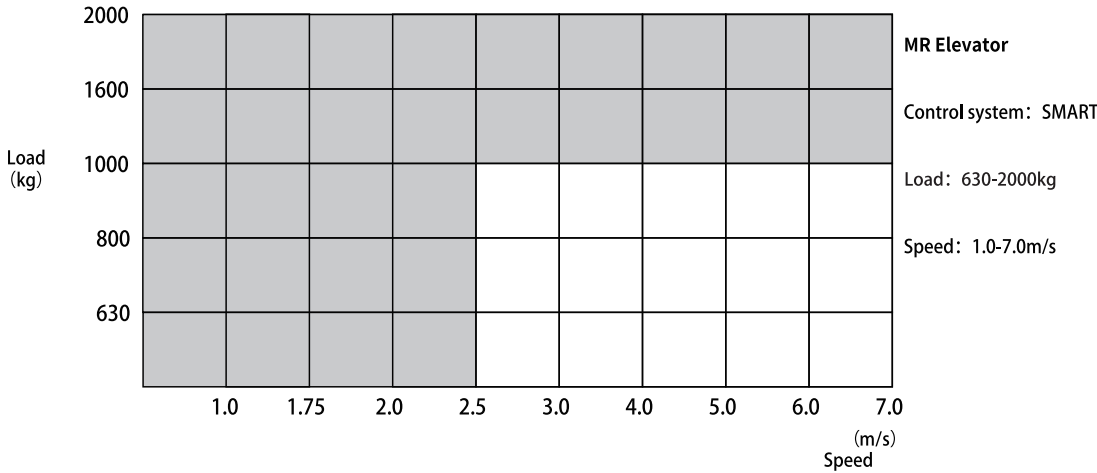
Personalized Decoration Honorable

Based on the customer’s architectural style, installation environment and other characteristics, the individuality is brought into full play, making the elevator decoration an exclusive decoration.

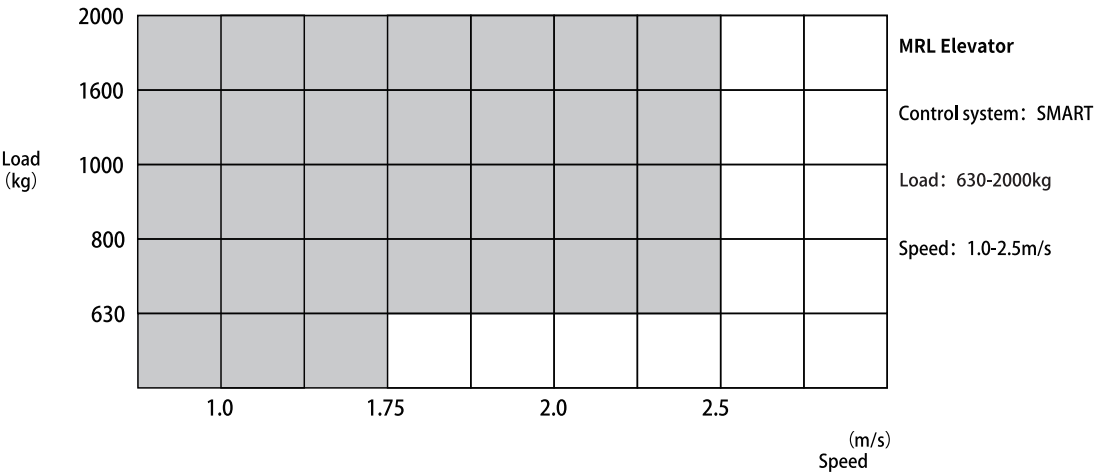
MRL ELEVATOR

- ◎ The MRL passenger elevator eliminates the machine room at the top of the building and installs all equipment in the shaft, allowing builders and developers to design more freely while saving construction costs.
- ◎ The gearless traction machine is installed on the top, which greatly saves the construction space.
- ◎ The elevator control cabinet is designed to be more "slim" so that it can be installed in the shaft wall.
- ◎ The MRL passenger elevator adopts an "upward traction" structure, which maintains the original multi-layer space while saving bottom space.

PRODUCT MR ELEVATOR



PRODUCT MRL ELEVATOR





Control System

01

Core Advantages

Committed to providing a "one-stop" overall solution for elevator and escalator components.

Optimax Tech tailors a "one-stop" overall solution to create higher value for customers. Expanding and strengthening electronic and electrical products is a firm strategic direction for Optimax Tech.

Over the years, Optimax Tech has been deeply involved in control technology, and has a variety of highly recognized control cabinet products in the market, becoming one of the preferred suppliers of control products in the elevator and escalator industry

A world-class intelligent manufacturing factory, a strong supply chain manufacturing hard core system, with an annual production capacity of up to 150,000+ units.

02

Product Features

◎ Stability

More than 600000 sets in use.

The cumulative use of the control system has exceeded 20 years.

With a national laboratory certified by CNAS, every step of the product is strictly controlled.

◎ Economical

Completely independent intellectual property rights, the integration of production and research keeps pace with the times.

The perfect combination of drive and control; The first combination of logic board and security board in China

Modular design and highly integrated technology.

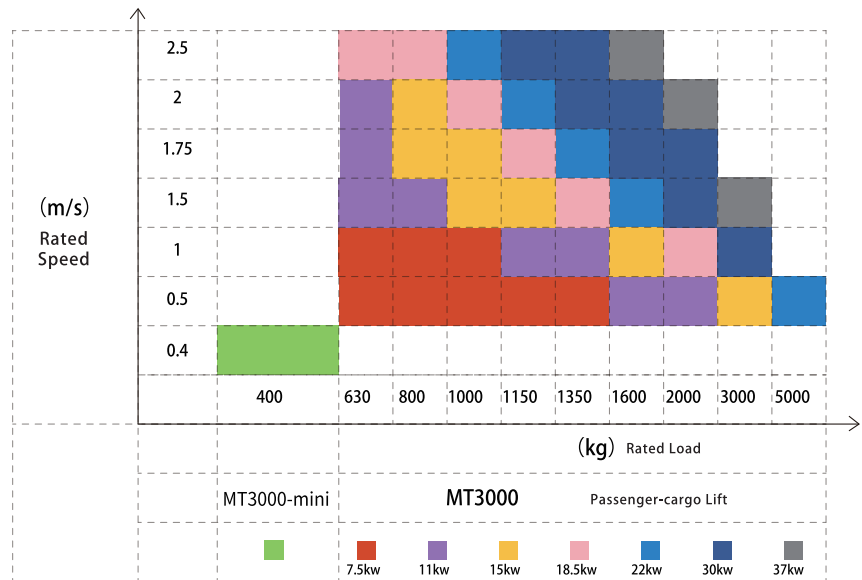
◎ Ease of Use

Fast and slow debugging is simple; Accurate fault location;

No motor tuning, motor angle self positioning; Matching with multiple Debugger such as Bluetooth, mobile phone APP and manipulator;

Complete set of electrical matching, user-friendly expansion with rich functions to meet various user needs.

PRODUCT ELEVATOR CONTROL CABINET



MAIN PRODUCTS MT3000



FEATURES:

- ◎ True integration, greatly reducing internal and external cables, economical and easy to use;
- ◎ The functional parameters are easy to understand, and the universal fault codes. Make elevator commissioning and maintenance simple and easy;
- ◎ Support multiple debugging methods: PC software, handheld operator, mobile APP;
- ◎ Flexible and rich modular value-added accessories to meet various functional requirements.

PRODUCT ESCALATOR CONTROL CABINET

Host Power	90kw	IECB-P Heavy Duty Escalator Control System	
	75kw		
	5.5kw		
	55kw		
	45kw		
	37kw		
	30kw	IECB-III Control System	IECB-II Control System
	22kw		
	18.5kw		
	15kw		
	13kw		
	11kw		
	9.5kw		
	8kw		
	5.5kw	Commercial Elevator(Domestic)	Commercial Elevator (Overseas)
		Application Market	
		Heavy Duty Escalator(Domestic)	

MAIN PRODUCTS IECB-III

FEATURES:



- ◎ Minimal design of the main and secondary systems, saving hours, and easy maintenance and repair;
- ◎ Innovative security bus, with only 10 core cables connecting the upper and lower machine rooms;
- ◎ Ultra-small size, high utilization rate of civil engineering, less room space occupation;
- ◎ Support Bluetooth debugging, OTA upgrade, parameter upload and download;
- ◎ Built-in boot menu simplifies debugging steps.



01

Core Advantages

The inventor, promoter and leader of the permanent magnet door operator for elevators.

Formulator of the "Zhejiang Made" group standard for permanent magnet door operators for elevators.

Optimax Tech door system products have been highly recognized by customers for their stable and reliable performance, and a total of 1,200,000+ units have been shipped.

In 2021, Optimax Tech presided over the formulation of the "Zhejiang Made" group standard for permanent magnet door operators, the standard number is T/ZZB 2155-2021, which continues to lead the development of elevator permanent magnet door operators towards higher standards.

02

Product Features



Easy to Use

Innovatively introduce the concept of free debugging, use the knob and dial switch to adjust the speed and torque, and reduce the difficulty of use;



Reliable Design

Encoder free positioning, never stall speed; optimize fault trigger logic, reduce downtime;



High Adaptability

Input wide voltage band design, 380V not damaged, door motor waterproof design;



High Customization

Customizable communication protocol, signal interface.



Feature Rich

Integrate light curtain power supply, different operating speeds on different floors.



Multiple Configurations

Synchronous and asynchronous door cam optional.



Rich Products

The products cover a series of door system products such as homelift, passenger elevators, medium and high-speed passenger elevators, two panel/three panel cargo lifts, fireproof/insulation, etc.



Mature and Reliable

1,200,000+ door operators continue to operate on the construction site with stable performance.

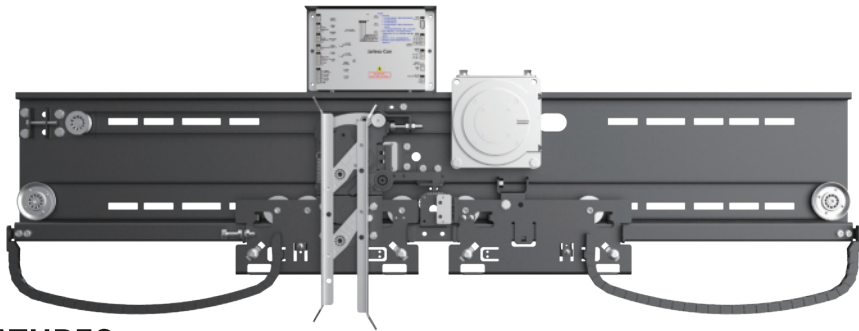
PRODUCT CENTER OPEN SERIES

Speed (m/s)	7.0			door operator: Super-Con landing door: SLD							
	6.0										
	5.0										
	4.0	door operator: Super- II landing door: SLD2									
	3.5										
	3.0										
	2.5										
	2.0	door operator: Jarless-Con /Easy-Con landing door: LLD3/LLD5/GLD									
	1.75										
	1										
0.5	650	700	800	900	1000	1100	1200	1300	1400		
(mm) Opening Width											

PRODUCT TWO PANEL/THREE PANEL

Opening Type	Three Panel	Door Operator: Center Open Six Panel Header : Center Open Six Panel								
		Door Operator: Side Open Three Panel Header: Side Open Three Panel								
	Two Panel	Door Operator: Center Open Four Panel96, Center Open Four Panel119 Header: Center Open Four Panel96								
		Door Operator: Side Open Two Panel96,Side Open Two Panel119 Header: Side Open Two Panel96								
		Door Operator: Side Open Two Panel90 Header: Side Open Two Panel85								
	0.5	650	700	900	1200	1500	1800	2000	3000	4000
(mm) Opening Width										

MAIN PRODUCTS JARLESS-CON DOOR OPERATOR



FEATURES:

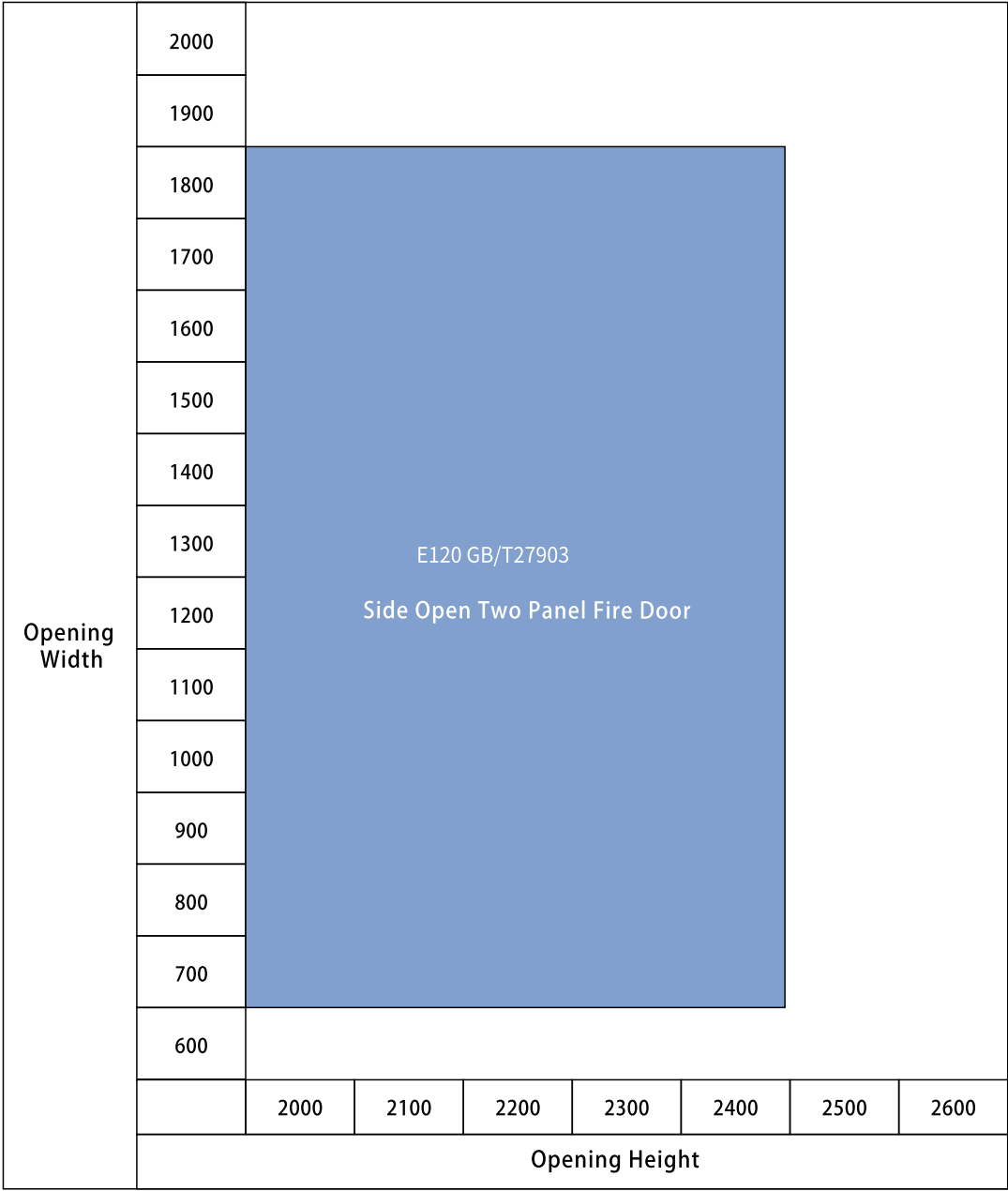
- Intellectual property rights: own the intellectual property rights of frequency converter and motor, which are designed and manufactured by ourselves.
- Accurate control: adopts the latest stepless speed regulation frequency control door driving system, loop vector control and real time speed feedback. Speed regulating accuracy can reach to 0.1%.
- Reliable design: Main mechanical components are subject to standardized design and strict design verification (3D modeling, finite element analysis etc.). Both mechanical structure and control system are subject to component verification (reliability test, abnormality test, functional test, etc.). Even more, the whole unit is subject to rigorous abnormality test, functional test and 3-million operations test. These guarantee product reliability. Besides, the product features stable operation, good comfort and low noise.
- Good adaptability: The design of wide voltage input tape supports input voltage of $220V \pm 20\%$, suitable for synchronous door vane, asynchronous door vane and anti-pull asynchronous door vane as we as various complex environments in construction site
- Simple debugging: server debugging or knob debugging, 3 minutes to complete normal debugging.
- Other functions: fault memory protection, adjustable door vane opening/closing curve, synchronous/asynchronous door vane selection, slow closing under outage, encoder fault protection, adjustable optional torque.

PRODUCT CENTER OPEN FIRE DOOR

Opening Width	1400	E120 GB/T27903 Center Open Fire Door					
	1300						
	1200						
	1100						
	1000						
	900						
	800						
	700						
	600						
Opening Height							

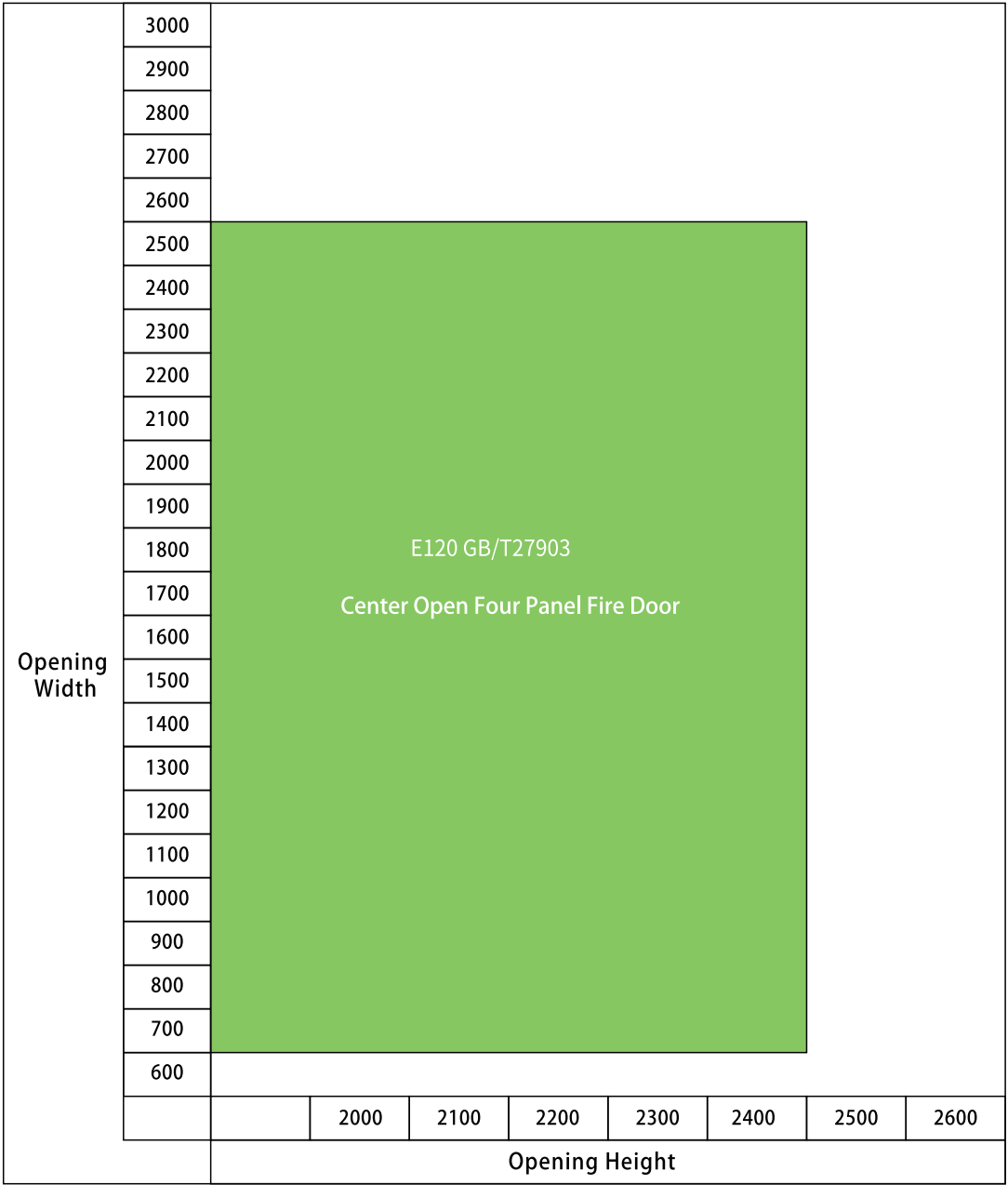
Comply with GB/T27903, E120

PRODUCT SIDE OPEN TWO PANEL FIRE DOOR



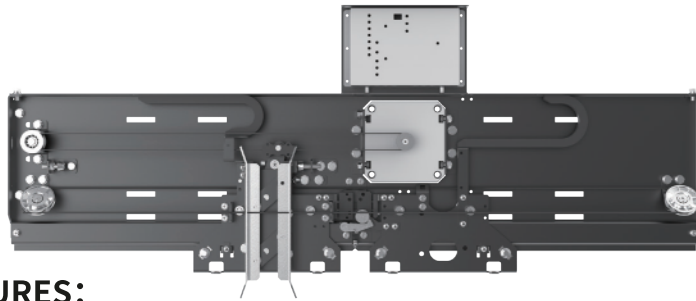
© Comply with GB/T27903, E120

PRODUCT CENTER OPEN FOUR PANEL FIRE DOOR



© Comply with GB/T27903, E120

MAIN PRODUCTS SWIFT CON DOOR OPERATOR



FEATURES:

- **Small Shaft and Spacious Space**
Meet the smaller civil dimensions of villa elevators, larger openings, larger cabin;
- **Neat and Beautiful**
The height of the door operator is low and the door knife is short, which meets the requirements of high ground floor, low headroom, and large sightseeing door panels;
- **Durable**
Simplified mechanical structure, less maintenance design, meeting maintenance once every two years (100,000 times);
- **Highly Comfortable**
Quiet design, opening noise 50dB, closing noise within 48dB, zero noise in standby;
- **Energy Efficient**
The energy-saving design of the whole machine, the standby power consumption is less than 10 watts, which is less than half of the power consumption of existing products;
- **Highly Integrated**
Integrated design of light curtain control, the life of the light curtain can be doubled, up to 10 years;
- **Reliable and Mature**
Easier installation and debugging, more reliable operation.





01

Core Advantages

- Optimax Tech Fixture
- User-centric;
- The product is easy to install and operate, has a wide range of applications;
- Higher performance, smoother human-machine experience;
- From ingenuity, proficient in the process;
- Relying on a reliable whole-industry self-made and digital manufacturing system and a strong R&D and technical team;
- Provide comprehensive personalized service;
- Tailor-made integrated solutions;
- Create higher value for customers.

02

Product Features



COP/LOP

- Multiple series and models to meet the different needs of customers;
- 2.5D tempered glass, aluminum alloy oxidation and other diversified product surface treatment processes, presenting more refined fixtures;
- Build a full range of fixtures;
- Provide multi-field product services.



Homelift Products

- It's an idol faction also a power faction;
- The combination of appearance and quality creates a better experience.



Elevator Display

- From 4.3 inches to 15 inches, multiple size specifications, flexible and adaptable;
- Various styles of LED, BND, STN, and TFT, choose as you like.



Button

- Comfortable mechanical touch, enjoy light feedback;
- 5 million times long service life, durable.

PRODUCT PASSENGER ELEVATOR COP

- XCP2-A3 - XCP2-G - XCP2-J	- XCP12-A - XCP23-A - XCP35-A - XCP40-pro
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Integrated Control Box

Split Type Control Box



XCP35-A XCP40-pro XCP2-J XCP2-G XCP2-A XCP23-A XCP12-A

PRODUCT HOMELIFT COP

- | | |
|---|---|
| <ul style="list-style-type: none">• XCP2-D2 | <ul style="list-style-type: none">• XCP15-B• XCP25-A• XCP26-A• XCP31-A• XCP31-B• XCP33-A |
|---|---|

Integrated Control Box

Split Type Control Box



PRODUCT PASSENGER ELEVATOR LOP

- | | |
|---|---|
| <ul style="list-style-type: none">• XHB4-A• XHB8-B | <ul style="list-style-type: none">• XHB12-A• XHB23-A• XHB35-A• XHB40-pro |
|---|---|

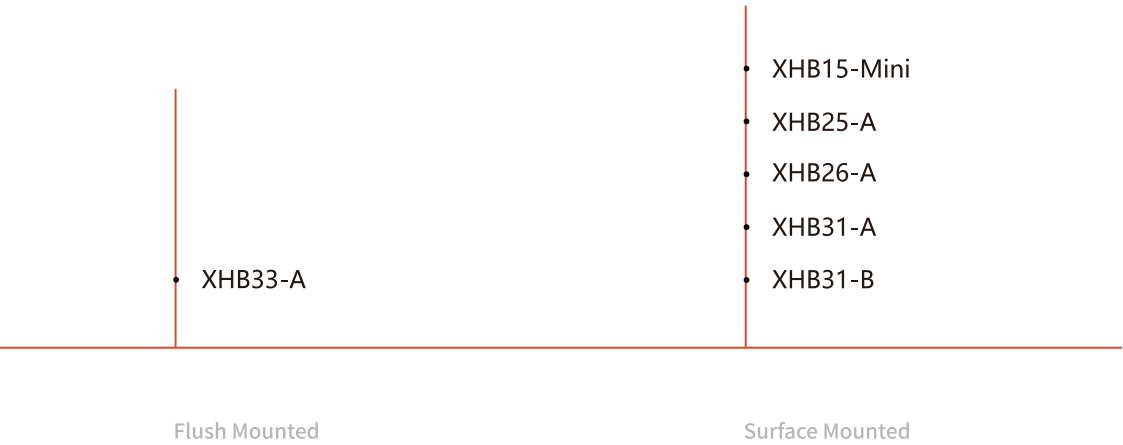
Flush Mounted

Surface Mounted



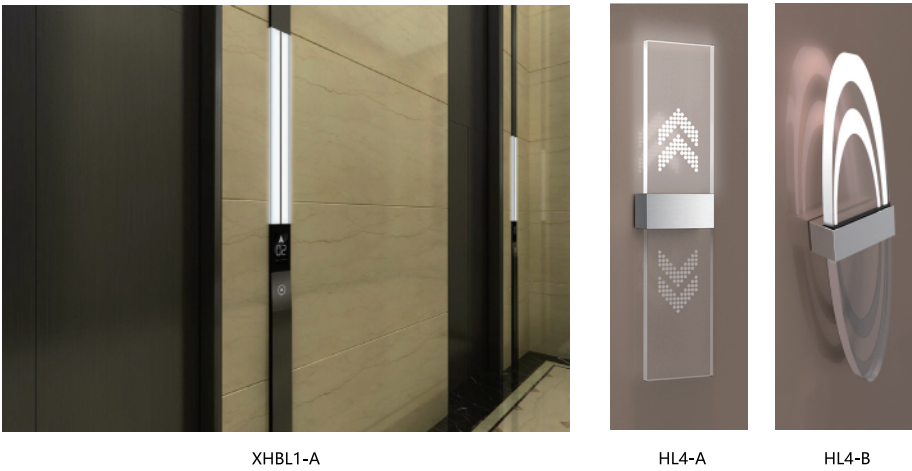
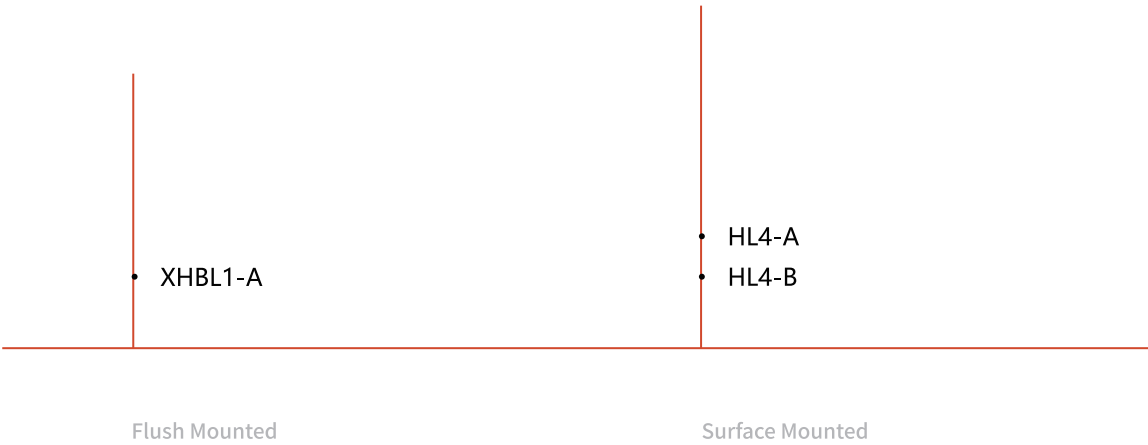
PRODUCT

HOMELIFT LOP



PRODUCT

HALL LANTERN / ARRIVAL GONG

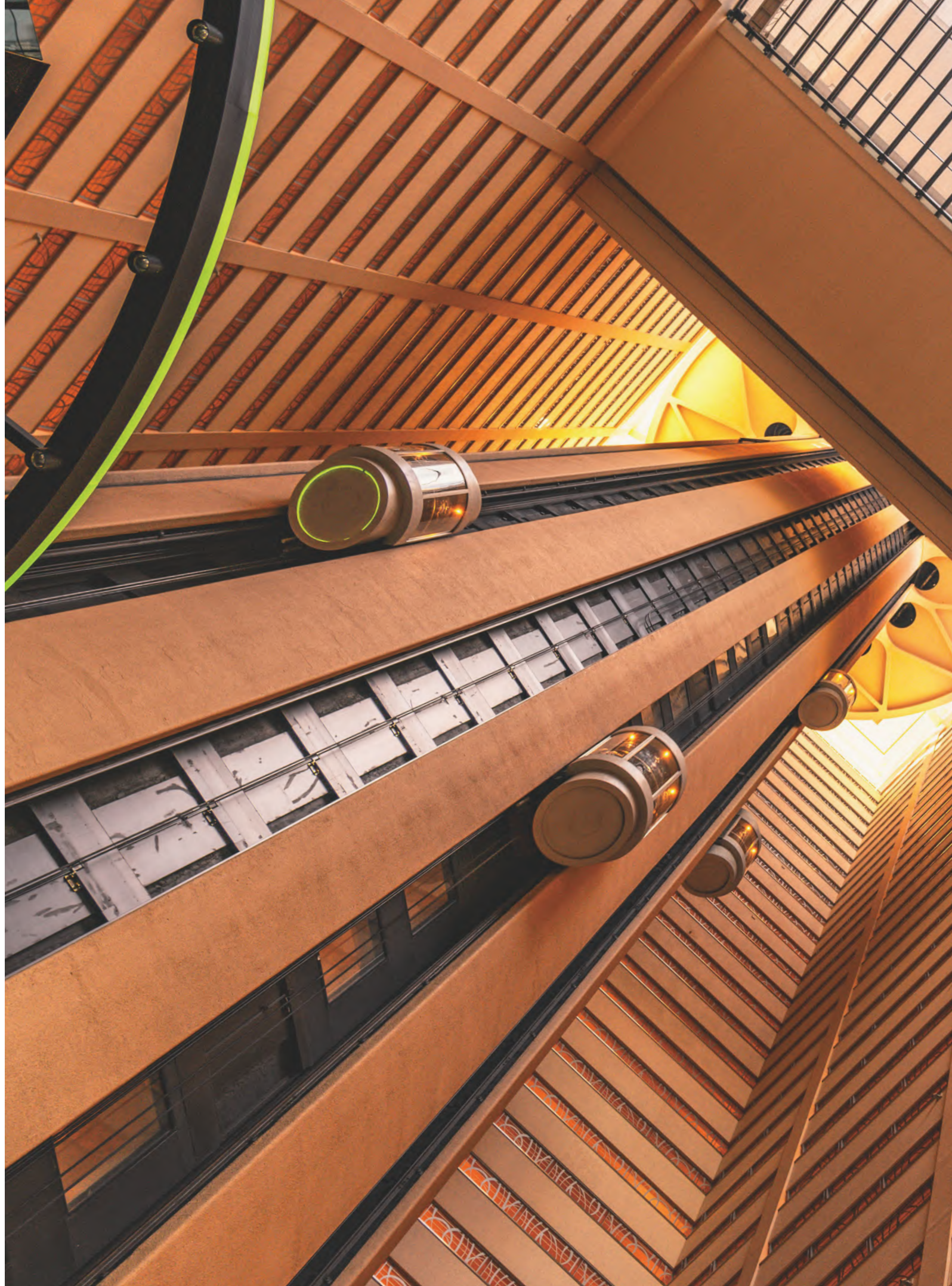


PRODUCT **BUTTON**

- | | |
|---|--|
| <ul style="list-style-type: none">• BS34D• BR34T• BR34C | <ul style="list-style-type: none">• BS34D(B)• BR34T(B)• BR34C(B) |
|---|--|

No Braille

Braille



01

Core Advantages

Boundless aesthetics of Optimax cabin design.

Optimax passenger elevators meet various styles of architectural spaces.

Provide a variety of changes in different spaces such as residences, commercial facilities, apartments, and public facilities.

Through flexible design expression, extreme process details control and perfect humanized needs.

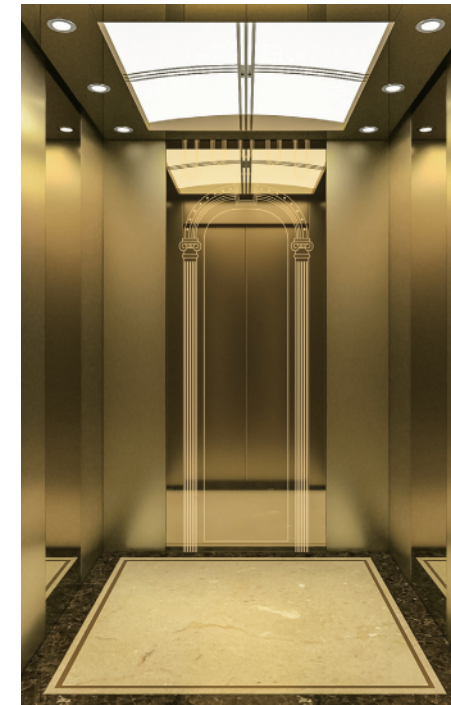
Give architecture a new aesthetic sensory experience.

02

Product Features

- ① Simplify Without Reducing
- ② Advanced Technology
- ③ Fine Craftsmanship
- ④ Rich Configuration
- ⑤ Personalized Customization
- ⑥ Energy Saving and Environmental Protection

Passenger Elevator Cabin Decoration



LUXURY SERIES XTQ01-1805-1-T

Artistic style, exquisite and elegant.

Extraordinary collision of marble and metal.

Every inch reveals the pursuit of quality and the persistence of beauty.



COMFORT SERIES XTQ01-2304-1

Low-saturation color scheme with simple materials.

Overall soft and comfortable atmosphere.



NATURAL SERIES XTQ01-2204

With "home" as the design core.

Natural textures play with light.

Construct a simple and elegant quiet luxury life aesthetics.



LUXURY SERIES XTQ01-2306

Light and shadow stage.

Rendering in the imaginative space of modern art.

Cutting-edge geometric aesthetics immersed in people's hearts.



TECHNOLOGY SERIES XTQ01-2201

Ultimate sand blasted stainless steel with hidden linear lights.

Overall presentation of the sensory experience of future technology.

Homelift Cabin Decoration



CONCISE SERIES XTQ02-2313

Deconstructive symbiosis of modern and traditional elements.

Presenting a clean aesthetic feeling.

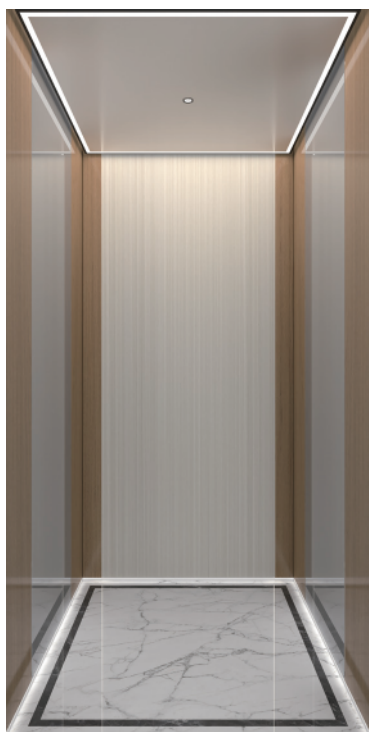


MODERN SERIES XTQ02-2413

Two-color apple sand with fingerprint resistant stainless steel.

A minimalist design language that Outlines a modern aesthetic.

Simple is not simple, full of advanced sense.



GRACE SERIES XTQ02-2314

Point, line light, wood and metal texture.

Perfect fusion of nature and modernity.



RETRO SERIES XTQ02-2414

Maillard color scheme.

Transparent glass with skin-friendly leather.

Simple and elegant, warm and healing space atmosphere presented.



LUXE MINIMALISM SERIES XTQ02-2312

Matte black lacquered glass and gray apple sand stainless steel as base.

With a romantic star ceiling.

Give a classic high-level sense, and highlights the layering of the design.

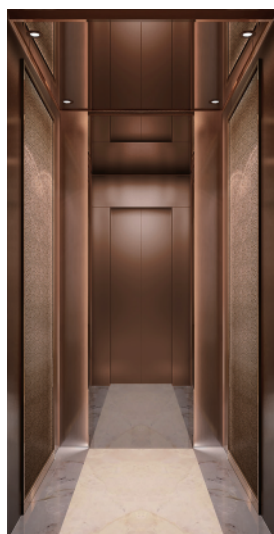


LUXE MINIMALISM SERIES XTQ02-2310

Matte black lacquered glass and gray apple sand stainless steel as base.

Use leather trim, get rid of complicated decoration and fancy patterns.

Advocating a simple design style, simplicity is a kind of luxury.



LUXE MINIMALISM SERIES XTQ02-1501-1

Leather trim with bronzed stainless steel.

Exquisite details and luxurious charm.





Zhejiang Xizi Forvorda Electrical Machinery Co., Ltd.

- ▶ Established in 2004, mainly engaged in the R & D and manufacturing of elevator traction machine, and won the Zhejiang Provincial Government Quality Award.
- ▶ The world's largest permanent magnet synchronous gearless traction machine production base, with a cumulative shipment of 2 million units.





Traction Machine

01

Core Advantages

The market share of gearless traction machines has exceeded 2 million units, ranking first in the industry;

Permanent magnet synchronous gearless traction machine and traction machine brake " Zhejiang Made" certification.

02

Product Features



In-house R&D

Many products have independent intellectual property rights, the developed gearless permanent magnet synchronous traction machine has created a new era of elevators.



Advanced Technology

Adopt the industry's advanced and environmental Green sand process, Iron mold coated sand process, resin sand process and other casting processes.



Light and Compact in Structure

The structure of traction machine is light, small and compact, can be directly installed in the shaft, saving construction area and cost to the greatest extent.



Low Noise Level

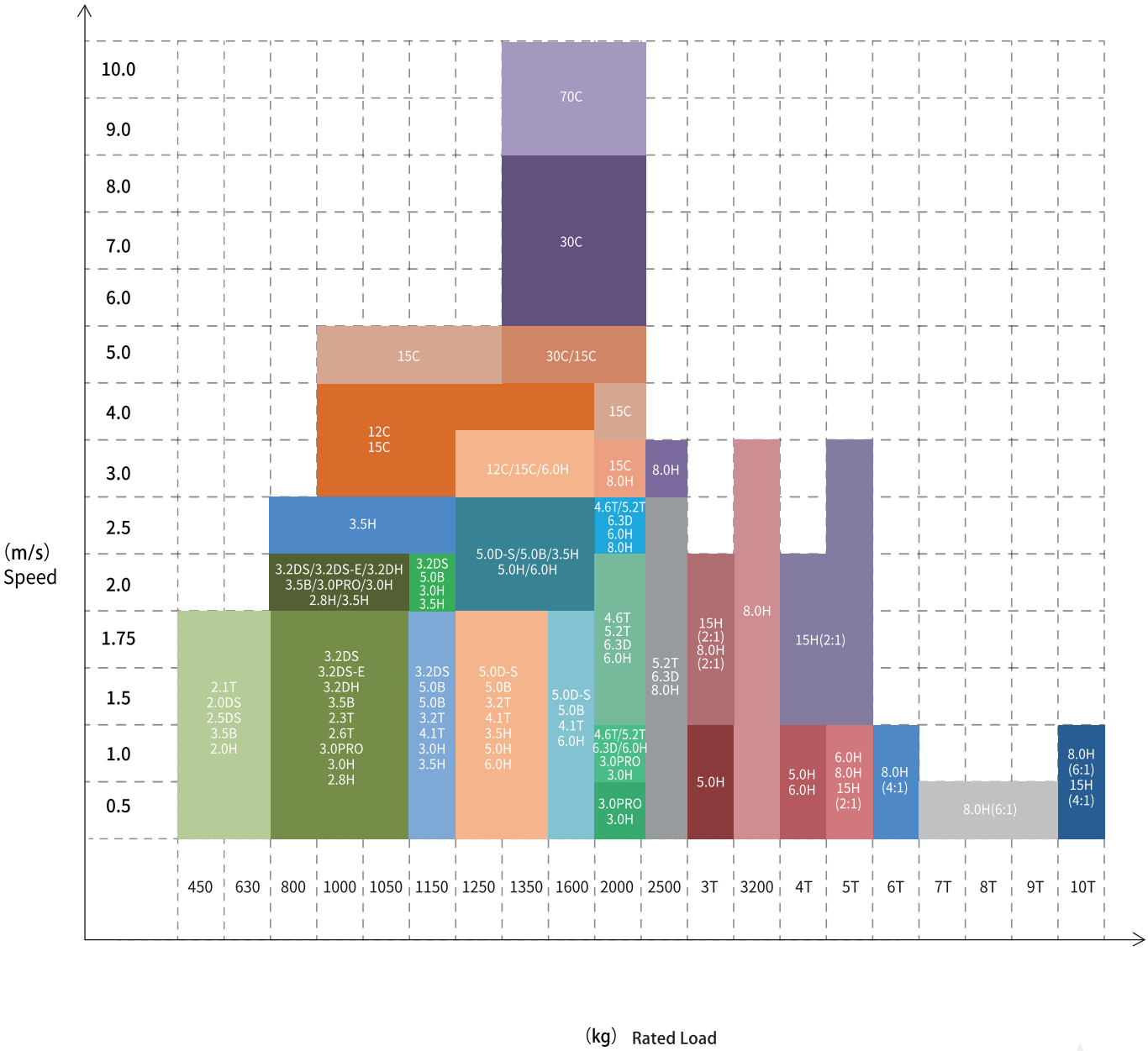
Unique structural design ensures smooth operation and lower noise of the traction machine.



Energy Efficient

Energy saving and environmental protection, significantly reducing the cost of use.

PRODUCTS



MAIN PRODUCTS CONCENTRATED WINDING TRACTION MACHINE

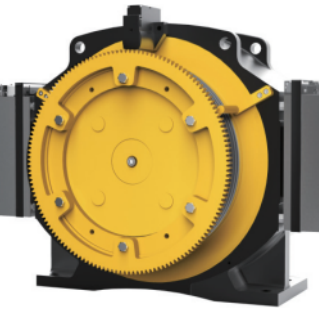
FEATURES:



- Stable structure.
- Concentrated winding.
- Auto-winding process to ensure product consistency.
- Multiple fixed in stator core to achieve stable and reliable.
- Quick adjustment , Easy maintenance.

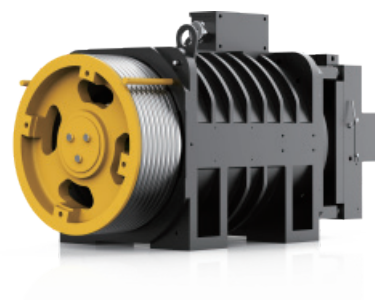
MAIN PRODUCTS REGULAR PASSENGER ELEVATOR TRACTION MACHINE

FEATURES:



- High reliability and ≥ 150000 pcs/year.
- Traction machine get the title of “Zhejiang-Made” .
- Brake lifetime is over 5 million times.
- Freight series and renovation series are derive from H series.

MAIN PRODUCTS BAR TYPE TRACTION MACHINE



FEATURES:

- ⊙ Brakes with independent winding.
- ⊙ High strength enclosure.
- ⊙ Special processed brake disc to ensure braking torque stability.
- ⊙ Suitable for MRL elevator.

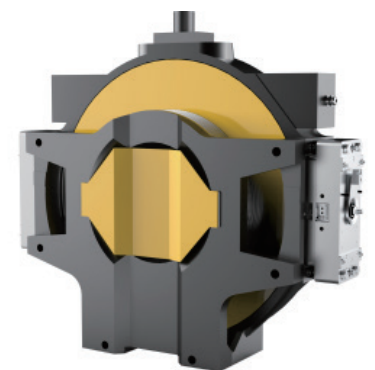
MAIN PRODUCTS BELT TRACTION MACHINE



FEATURES:

- ⊙ Optimized bearing.
- ⊙ Emergency stop switch is installable.
- ⊙ Sand blasted shaft matched for bel.

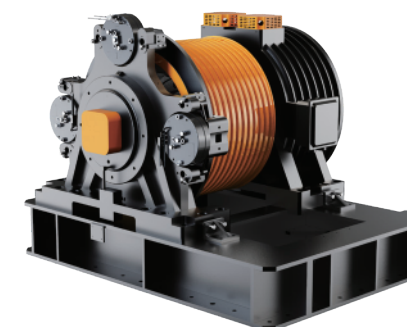
MAIN PRODUCTS ULTRATHIN TRACTION MACHINE



FEATURES:

- ⊙ Designed for flat characteristics.
- ⊙ Saving space for elevator shaft.
- ⊙ Front loading photoelectric encoder can be took apart without moving linear guide.
- ⊙ Quick adjustment , Easy maintenance.

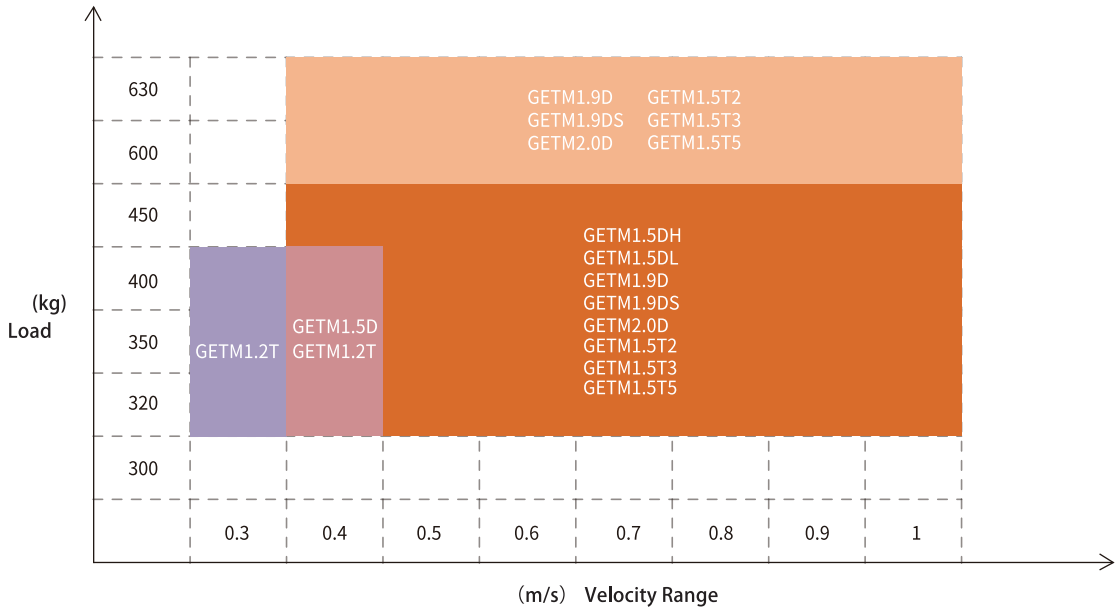
MAIN PRODUCTS HIGH SPEED TRACTION MACHINE



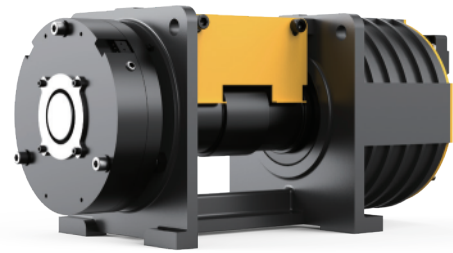
FEATURES:

- ⊙ Design for high speed elevator.
- ⊙ High axle load to , ultrahigh safety factor.
- ⊙ Applying import dedicated high speed elevator brake.
- ⊙ Large number of market application.

HOME MAIN PRODUCT FAMILY TABLE



MAIN PRODUCTS HOME TRACTION MACHINE



FEATURES:

- Low noise and comfortable operation.
- The shaft is specially designed to match the steel strip.
- A variety of wheel slots to adapt to different conditions without machine room.

MAIN PRODUCTS HOME TRACTION MACHINE



Head assembly



Steel strip



Steel strip broken wire detection



Guide wheel

MAIN PRODUCTS HOME TRACTION MACHINE



FEATURES:

- Independent coil brake available.
- High grade magnetic steel, efficient and stable.
- Suitable for different conditions without machine room.