



Fuji Elevator AVA Product Features and Advantages





FUJISJ

FUJI ELEVATOR CO.,LTD

Distributor Authorization Letter

经销商授权书

We hereby authorize RKL Lifts & Escalators (أركي ال للمصاعد والسلالم الكهربائية) to be our company's distributor in Saudi Arabia. The distributor can sell install and maintain our products on the condition that he obtains the relevant qualifications in the designated region. Develop markets without violating laws, regulations and company rules and regulations, and continue to increase the market share of FUJISJ elevator products in the region.

兹授权 RKL Lifts & Escalators (أركي ال للمصاعد والسلالم الكهربائية) 为我在 沙特阿拉伯 的经销商，该经销商在获得该国安装维保资质的条件下，在指定区域可销售、安装和维保我司电梯产品。在不违反法律、规定和公司规章制度的前提下开拓市场，持续提高 FUJISJ 电梯产品在该区域的市场份额。

Distributor territory : Territory in Saudi Arabia only

销售区域：销售地区只限在 沙特阿拉伯 销售。

Authorization time: 01/11/2025—31/10/2026

授权期限： 01/11/2025—31/10/2026

The above mentioned agent has no right to transfer the authorization.

上述授权经销商无权转让委托，特此声明。

Company name: FUJI ELEVATOR CO.,LTD

授权单位名称 (盖章) 

签发日期: Issue Date: 01/11/2025

www.fujisj.com





1 **Company Profile**

2 **Product Presentat-**

3 **Production Managem-**

PART 01

Company Profile

Base Situation



The AVIC Production Base of Fugui Elevator Co., Ltd. Guizhou Branch , covering an area of 110,000 square meters. Originally a subsidiary of AVIC Group, it is an advanced equipment manufacturing enterprise integrating elevator design, production, sales , installation, renovation, and maintenance. The company is also recognized as a National High-Tech Enterprise, a Specialized, Refined , Unique, and Innovative Enterprise in Guizhou Province, a Provincial Technical Center of Guizhou, and one of the first pilot demonstration units for intelligent manufacturing in the province.

Base Situation

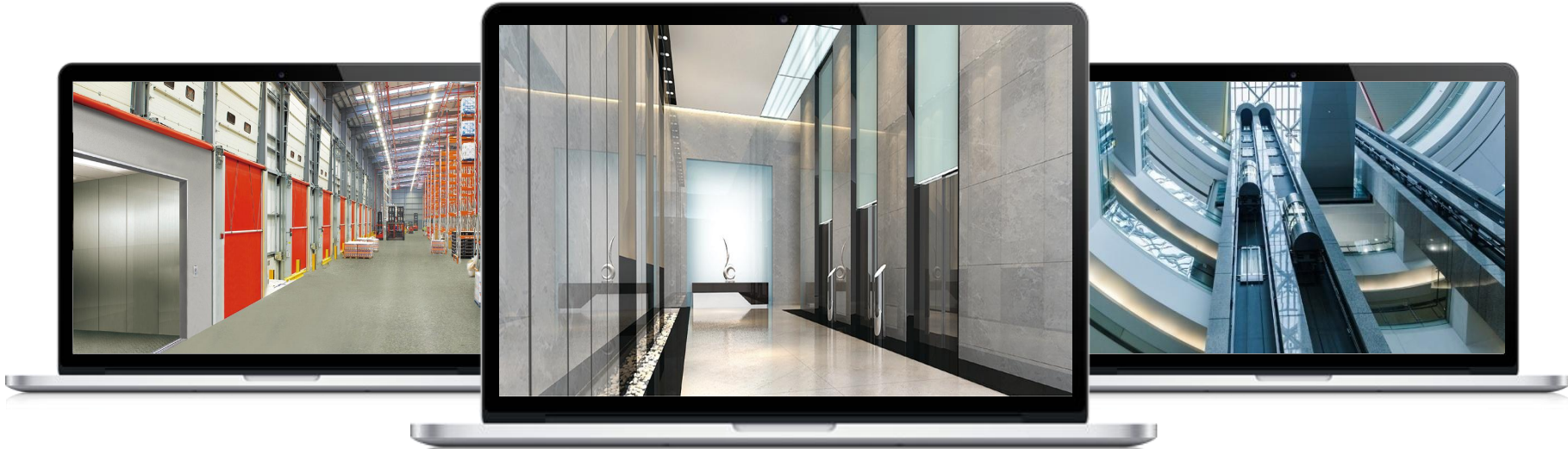


The company currently has 1 expert enjoying special allowances from the State Council, 1 nominated expert, 17 individuals honored with national awards, 5 experts listed in Guizhou Elevator Industry Directory, 72 junior and senior technical professionals, 80 skilled technicians, and 41 industry technical experts. It operates 3 intelligent production lines with an annual elevator manufacturing capacity of 15,000 units.

PART 02

Product Introduction

Elevator Products



Passenger Elevator

High efficiency, safe and comfortable, perfect layout

The Staircase

Stylish appearance, personalized settings

Villa Terrace

From the core, tailor-made, and luxurious decoration

Good Ladder

Handle weight with ease, smooth and comfortable

Escalator/Boardwalk Stairs

Energy-efficient and smooth as walking on flat ground

Size of Product

Product type		Rated load capacity (kg)	Nominal speed (m/s)	Main engine	System	Traction ratio
Organic Room	Passenger elevator	Q≤1050	V≤2.5	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	2: 1
		1150≤Q≤1600	V≤3.0			
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
		1000≤Q≤1600	V≤3.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Observation elevator	Q≤1600	V≤3.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Hospital elevator	Q≤1600	V≤3.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Fire lift	Q≤1600	V≤3.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
	Freight elevator	Q≤3000	V≤1.0	Suzhou Monna	Suzhou Huichuan	4: 1
		Q≤5000	V≤1.0	Suzhou Monna	Suzhou Huichuan	

Size of Product

Product type		Rated load capacity (kg)	Nominal speed (m/s)	Main engine	System	Traction ratio
No room	Passenger elevator	Q≤1600	V≤2.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	2: 1
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Observation elevator	Q≤1600	V≤2.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Hospital elevator	Q≤1600	V≤2.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
		1600 < Q≤2000	V≤1.75	Suzhou Monna	Suzhou Huichuan	
	Fire lift	Q≤1600	V≤2.0	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan, Xintida	
	Freight elevator	Q≤3000	V≤1.0	Suzhou Monna	Suzhou Huichuan	4: 1
Q≤5000		V≤1.0	Suzhou Monna	Suzhou Huichuan		
Home lift		Q≤400	V≤0.4	Suzhou Monna, Suzhou Tongrun	Suzhou Huichuan	2: 1
Dumb waiter		Q≤300	V≤1.0	/	/	2: 1
Escalator		≤30°	V≤0.65	H≤18m	Suzhou Huichuan	Not have
		≤35°	V≤0.50	H≤6.0m	Suzhou Huichuan	Not have
Moving pavement		≤12°	V≤0.50	L≤42.018m	Suzhou Huichuan	Not have
		0°	V≤0.50	L≤80.20m	Suzhou Huichuan	Not have

Product Superiority

I FJ-B-CK series products

- Novel Structure, Space-Saving
- Easy to Install, Safe and Comfortable

Example: 1.0 m/s, 1000kg load capacity, 11kW asynchronous motor, 6.1kW synchronous elevator

1.0 m/s, 800kg load capacity, 9kW asynchronous motor, 5kW synchronous elevator

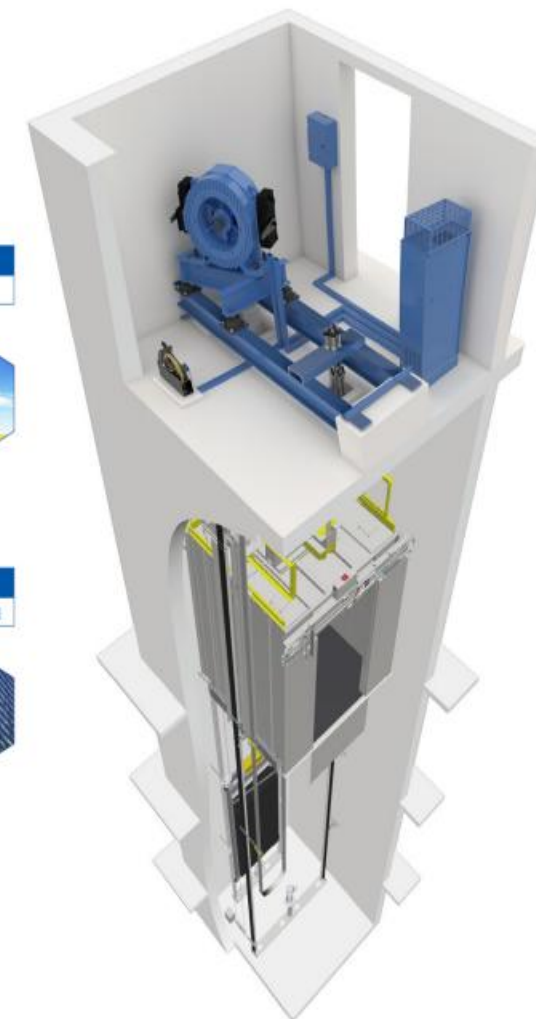
减少 40% 的电梯能耗
Saving up to 40% energy

采用全球领先的永磁同步无
齿轮曳引机, 有效减少能耗,
可以减少能耗 40% 之多,
实现电梯主机免维护。

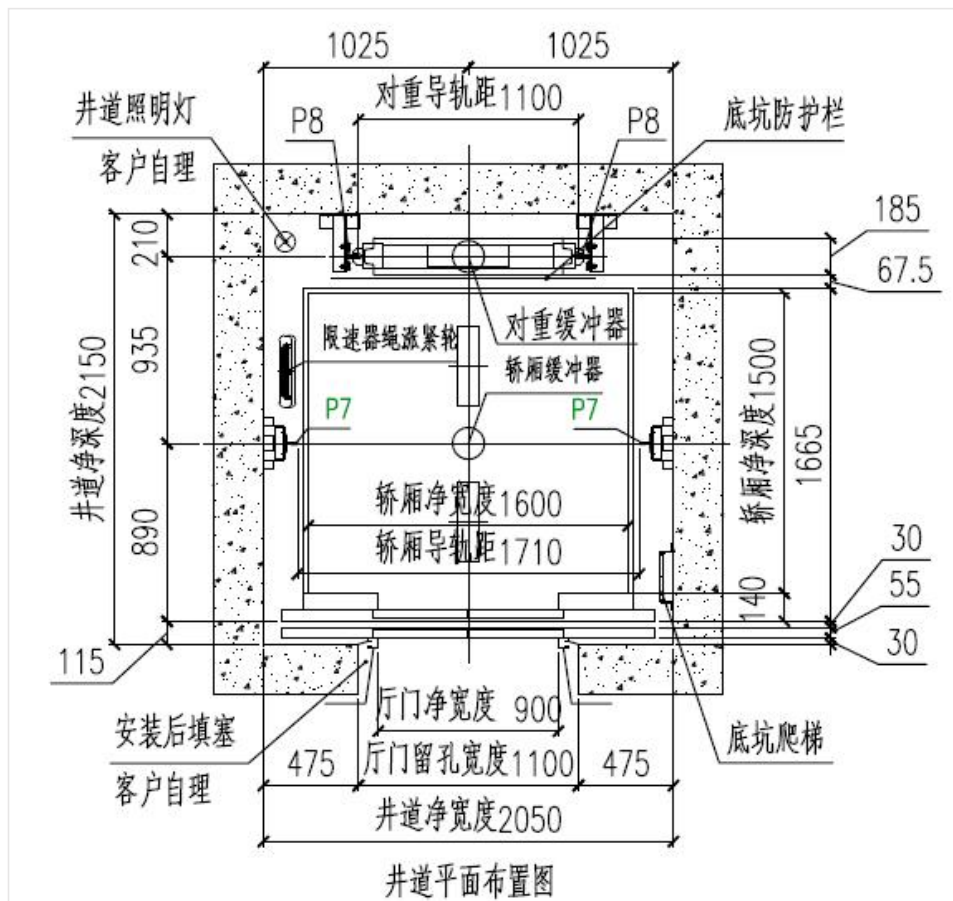


节约 50% 的机房面积
Saving up to 50% area of machine room

机房空间仅仅是电梯井道的一个
延伸, 因此建造方便, 能耗
成本低。紧凑的永磁同步无齿
轮主机可以为机房留出更大的
空间, 放置其他控制设备。



Shaft Layout



●Unique structure

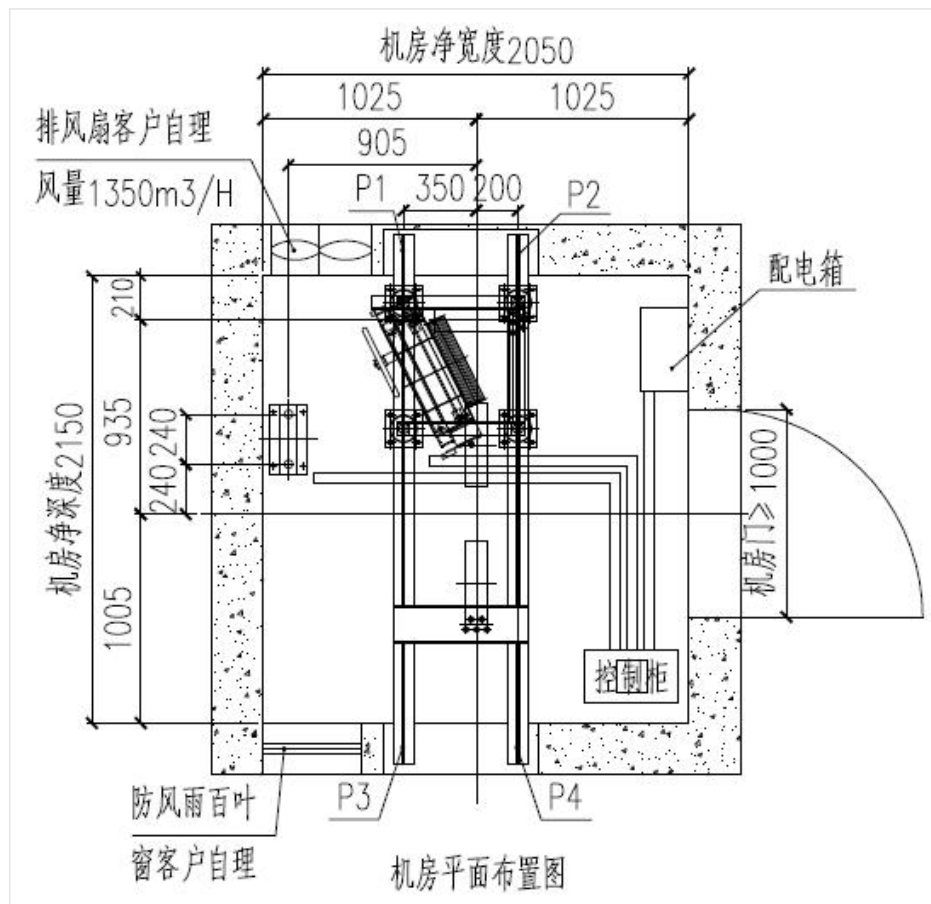
1 The 180° wrap angle (most manufacturers use 150-160°) enhances traction performance, reduces the pulley's cutting angle, and extends the rope's service life.

2 The center of gravity coincides with the cabin center, facilitating cable installation and suspension of the compensation chain.

●save space

The standard 1000kg shaft dimensions are 2050*2150 (with 400mm vertical clearance: 2050mm width minus 400mm vertical clearance equals car width, 2150mm depth minus 600mm vertical clearance equals car depth). This design achieves 12% higher shaft utilization efficiency compared to conventional models.

Data Center Layout



● Easy installation

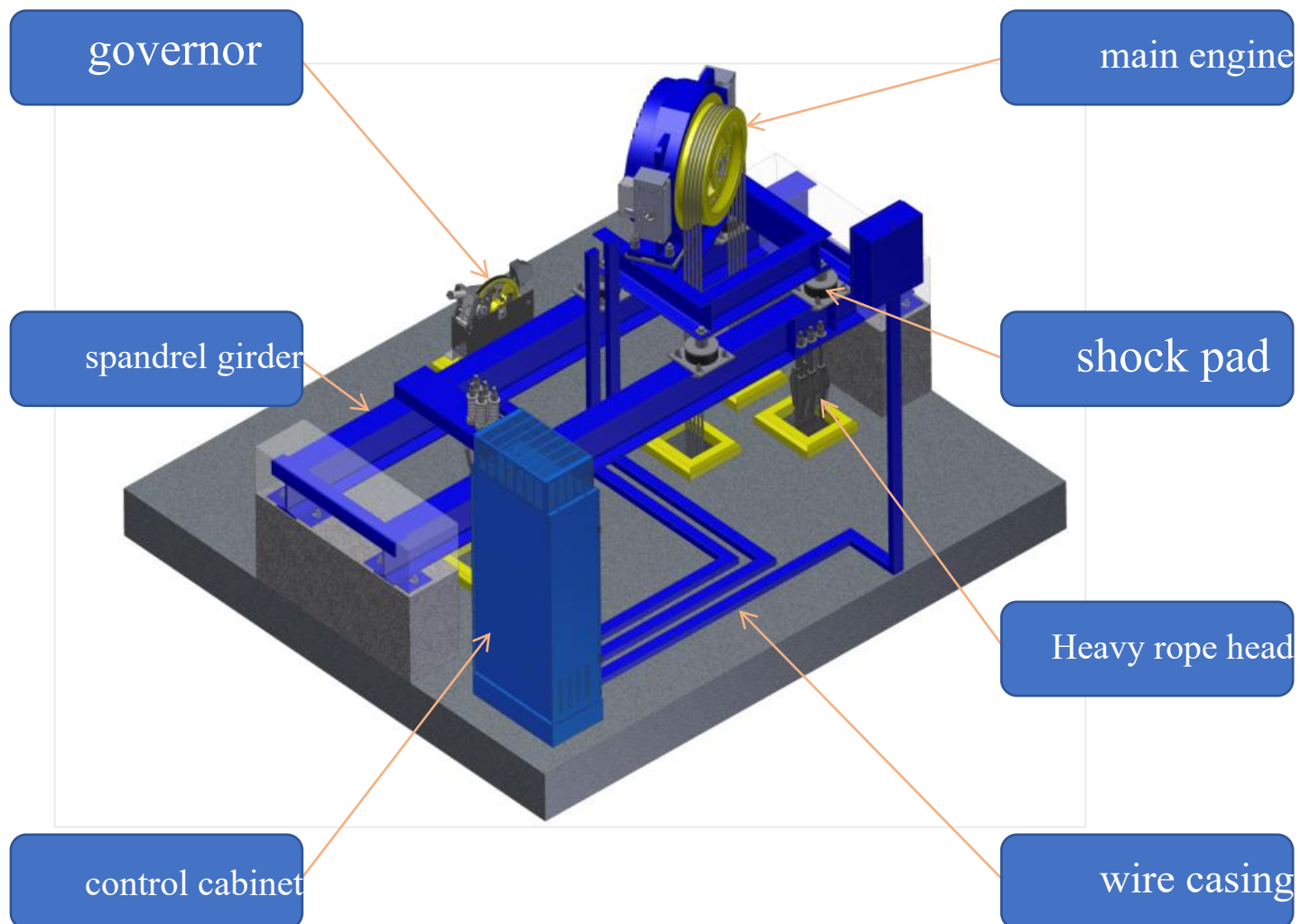
1 The counterweight rope head acts directly on the load-bearing beam, simplifying the machine room reservation and reducing the load-bearing beam for the counterweight.

2 Single-layer rack for easy and quick installation.

● Comfortable and safe

The load-bearing beam is spaced 550mm apart, with a wide base plate, single-layer rack, and low center of gravity. The main unit operates safely and smoothly, ensuring excellent passenger comfort and ride quality.

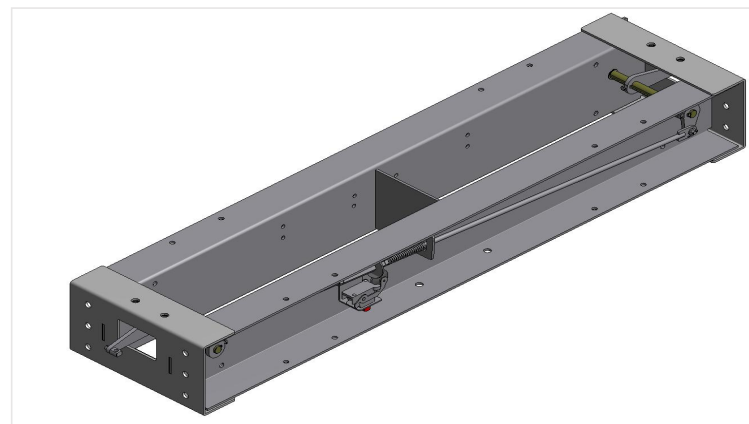
Data Center 3D View



● 180° wrap.

- The center of gravity is centered on the center of the four shock pads.
- The heavy rope end is on the load-bearing beam.
- The strong and weak current channels are arranged separately.
- No heavy rope head beam and its reserved hole.

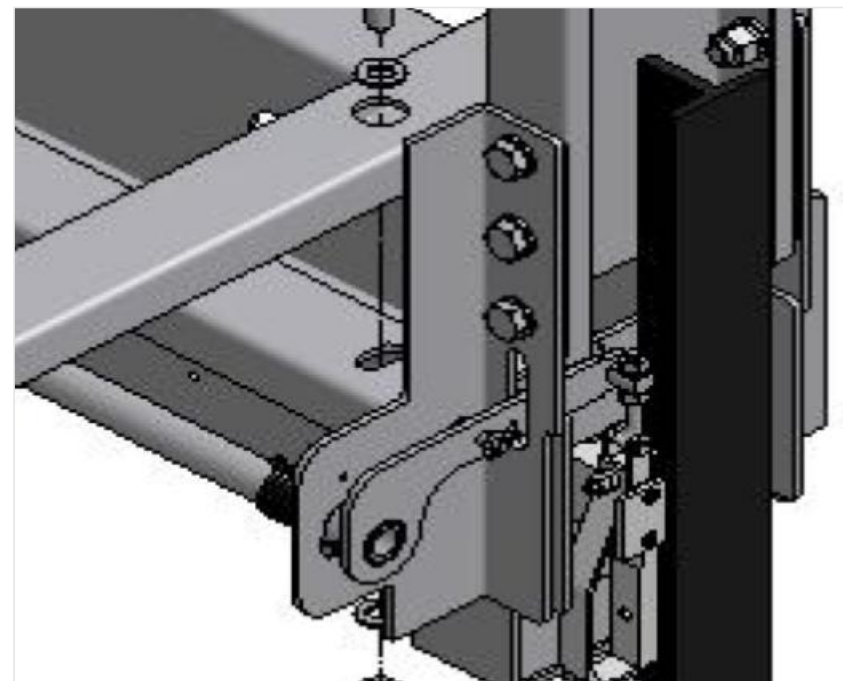
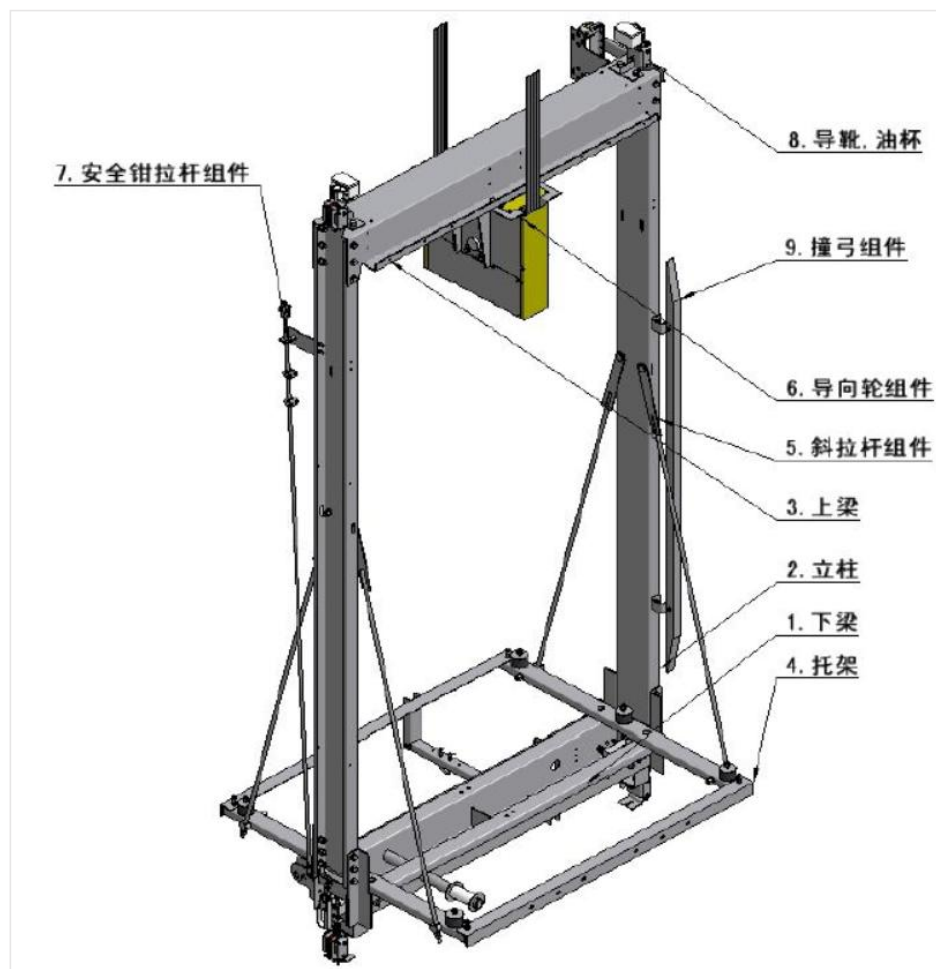
Using the Sedan Frame Structure



- The ultra-high rigidity eliminates the need for diagonal tie rods in standard cabins, simplifying installation. Additional diagonal tie rods are required for cabins with a load capacity $\leq 1050\text{kg}$ and depth $\geq 1950\text{mm}$, or for those exceeding 1050kg with cabin depth $\geq 1600\text{mm}$.

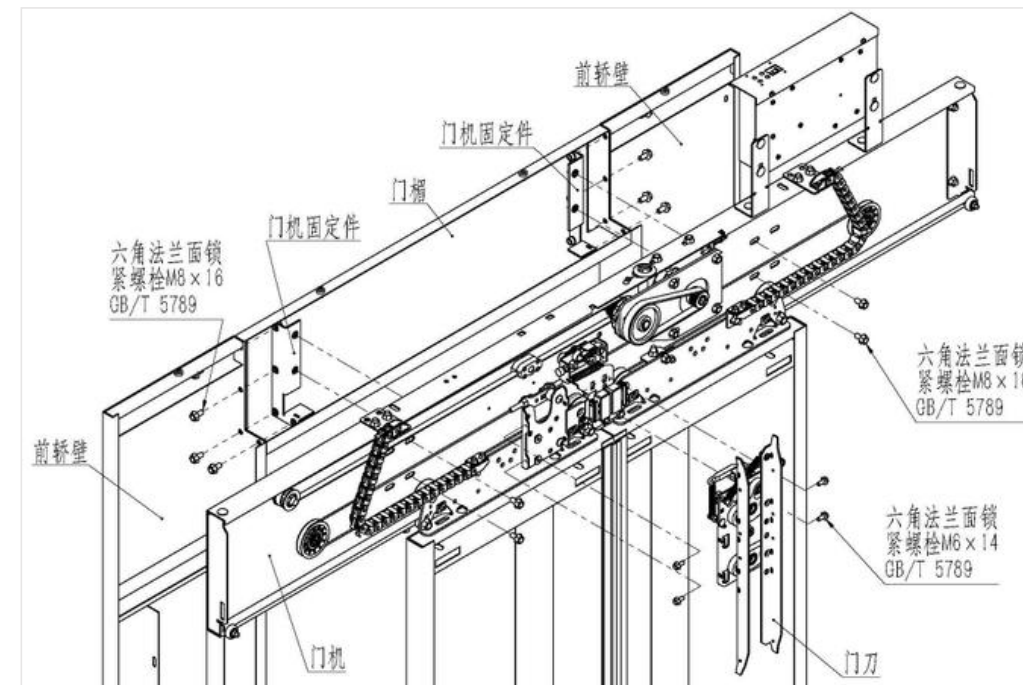
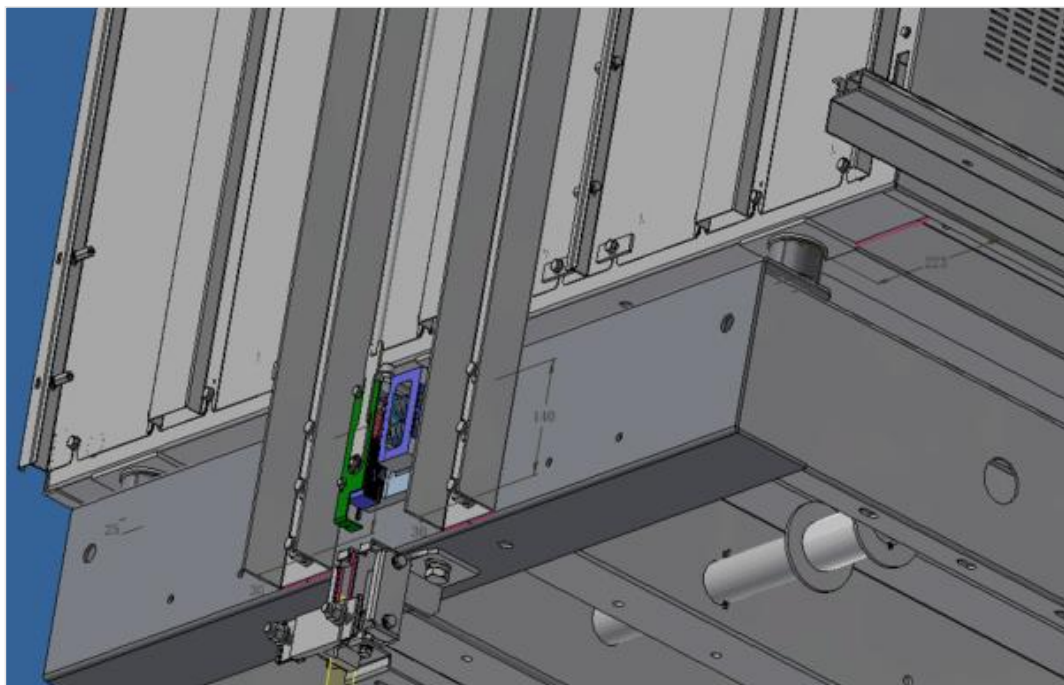
- The structure is reasonable, the robot workstation processing, high precision, easy to install.

Older Sedan Frame Structure



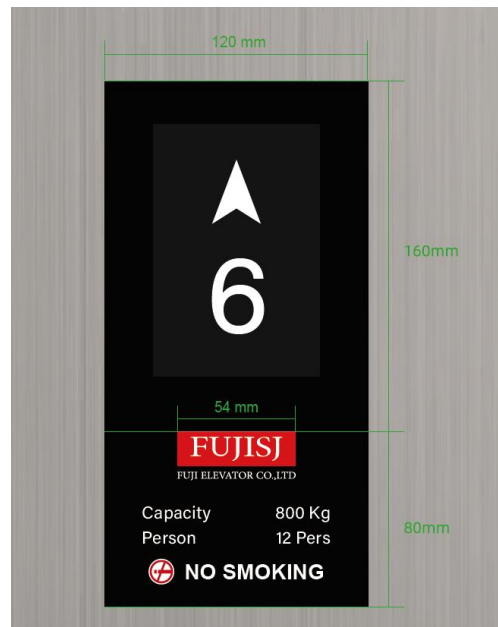
● Due to the processing error, it is not easy to ensure the verticality of the upright beam. Although the gasket can reduce the verticality error, it will increase the difficulty of installation, and it is not easy to control, and it is easy to produce resonance.

Cabin Structure



- Plug-in cabin wall panels and automated production lines demonstrate precision and efficiency, featuring high processing accuracy, easy installation, and rapid delivery. During secondary decoration, the cabin frame remains unaffected, allowing for separate panel wrapping.
- The front wall installation of the elevator door reduces the difficulty of installation and reduces the failure rate (modular installation, easy installation, not affected by the height of the elevator door, save the roof space).

Human-Computer Interface



- 6. 4-inch black background with white text display.
- One-piece control panel, large display panel, simple and beautiful.
- Patent outreach, AVIC heritage
- Zinc alloy button (can be used to make parts with complex shape, thin wall and high surface finish. At room temperature, its hardness is better than ordinary die cast aluminum alloy, and it has good wear resistance.)

Product Superiority

II FJ-B-CKW series products

- Compact structure, easy to reserve
- Quick, secure, and comfortable installation

Shaft Layout

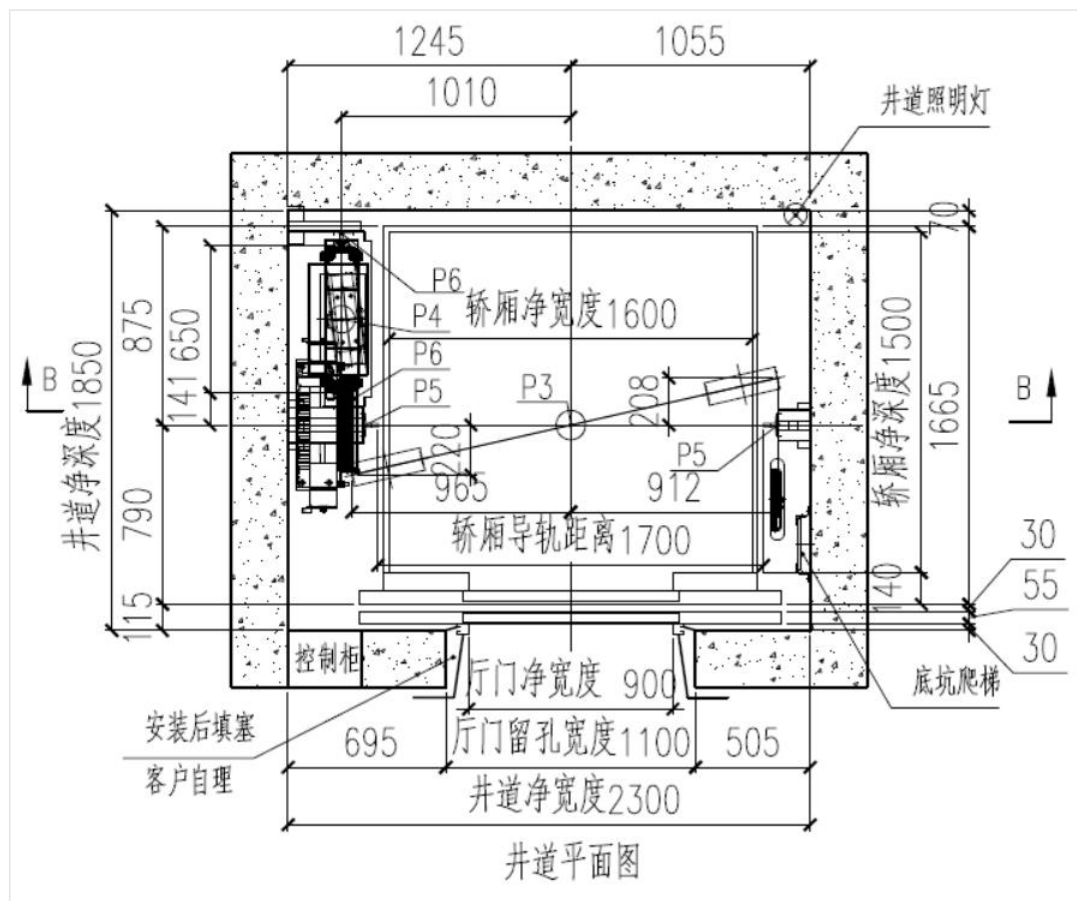
● Compact structure

The 1000kg shaft must measure 2300*1850 mm. For track-mounted configurations, when vertical deviation is within 0 to +, the required dimensions are 2250*1800 mm.

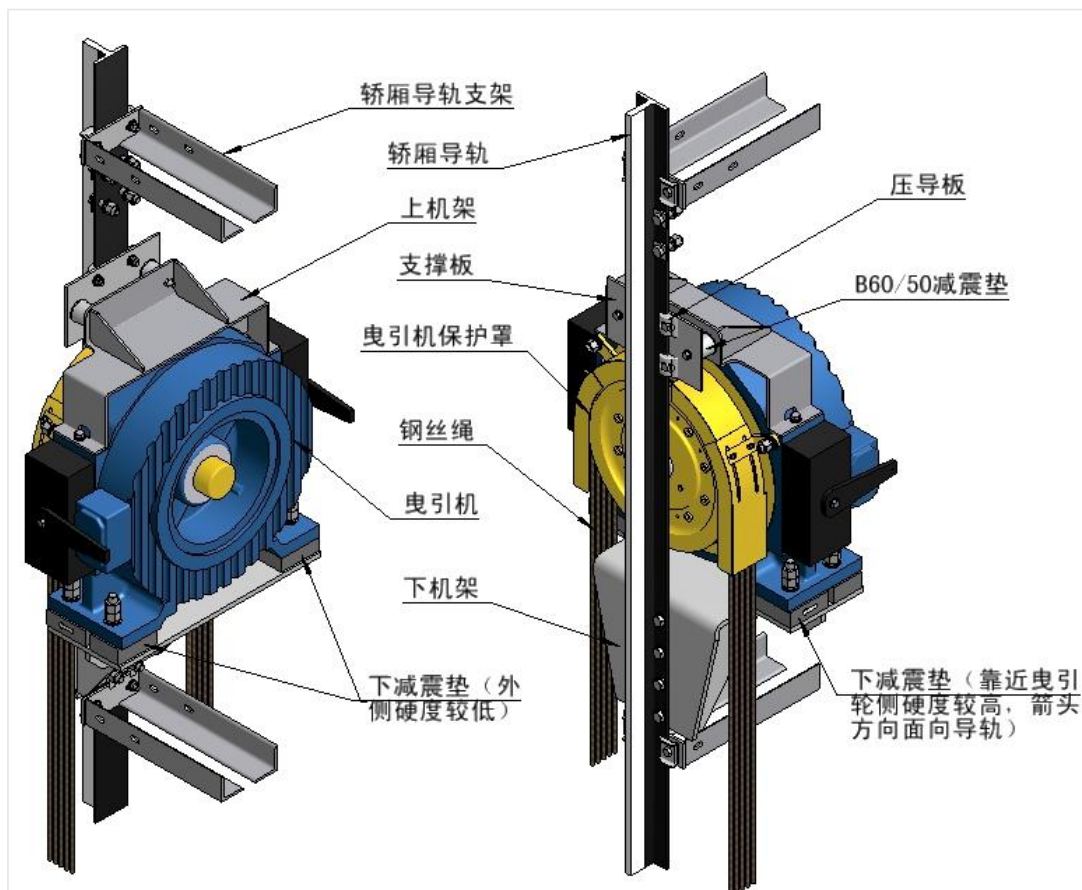
For ultra-thin main units, the shaft width minus 550mm equals the cabin width, and the shaft depth minus 350 mm equals the cabin depth. This design improves shaft utilization by 10% compared to conventional models.

● Reserve is easy

The host is installed by guide rail, without the need to reserve pre-embedded, greatly reducing the civil engineering cost.



Host Installation and Setup



● Easy installation

The host and rope head device are modularized for easy and fast installation.

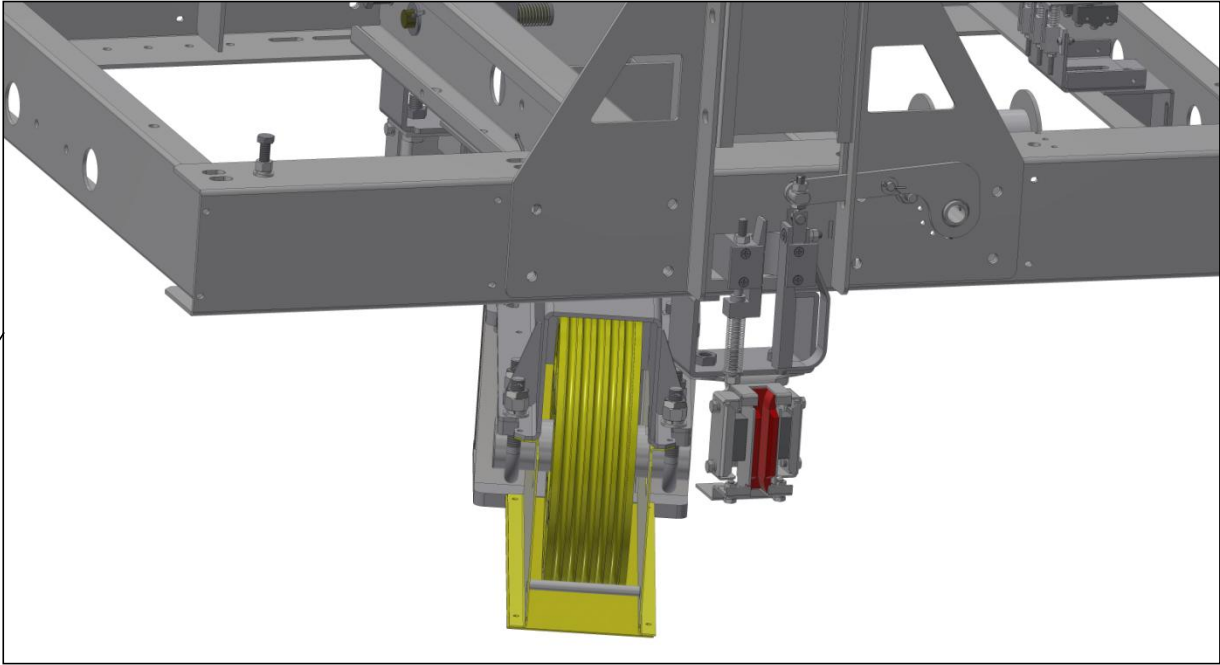
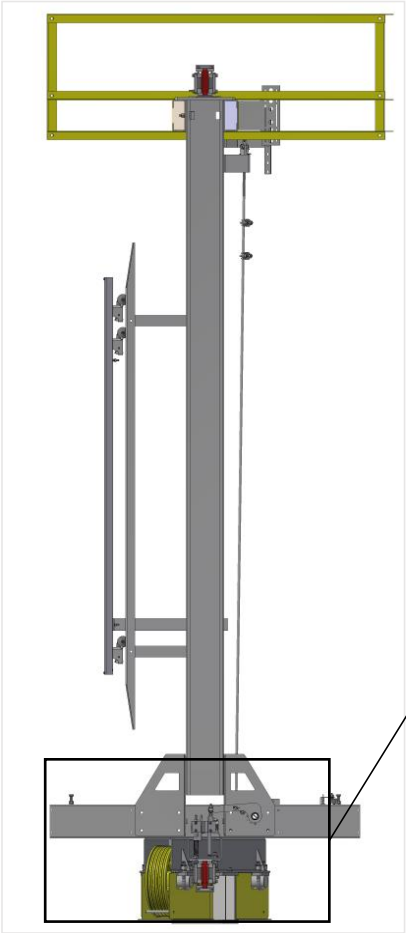
● Comfortable and safe

1 The car frame adopts a large pallet structure, the bottom wheel of the car is placed diagonally, and the center of the car, the center of the guide rail and the center of the suspension are basically coincident, so the operation is more stable.

2 The small diameter (minimum $\phi 8\text{mm}$) steel wire rope is used, which makes the noise less and the ride more comfortable.

3 The host is flexibly connected to the guide rail through upper and lower shock pads, effectively reducing the operating noise.

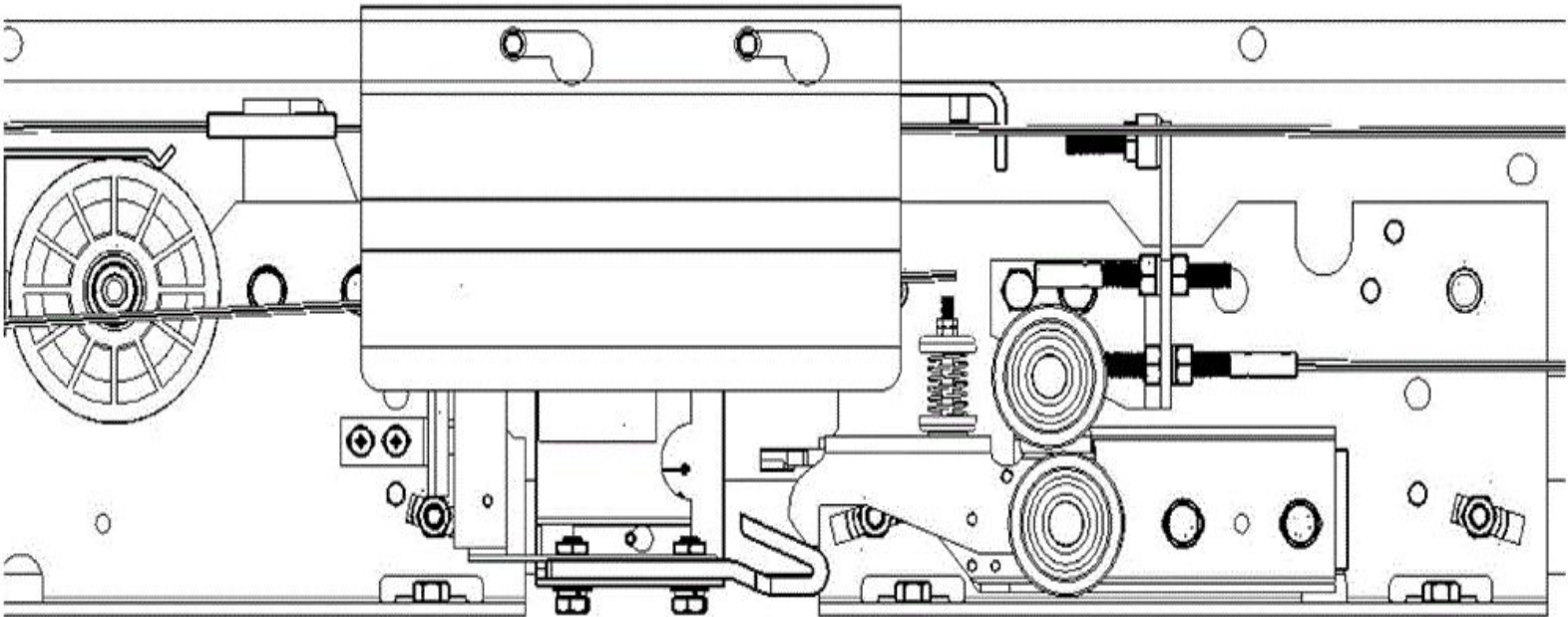
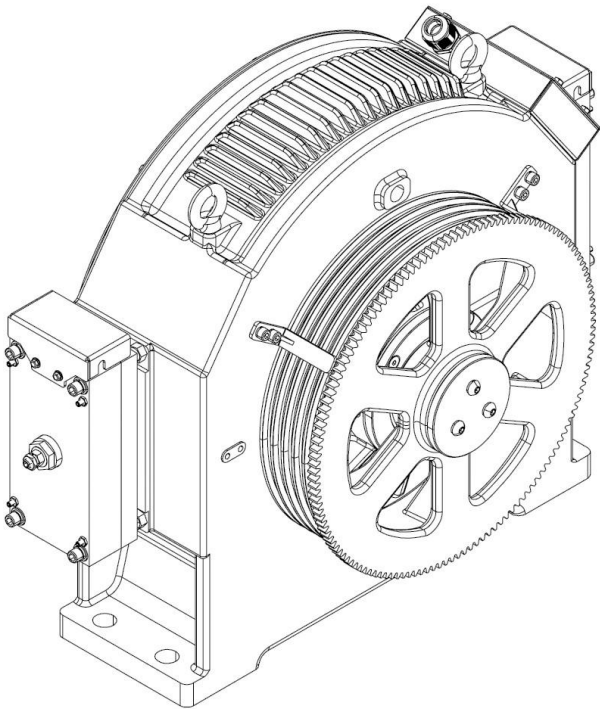
Cage Structure



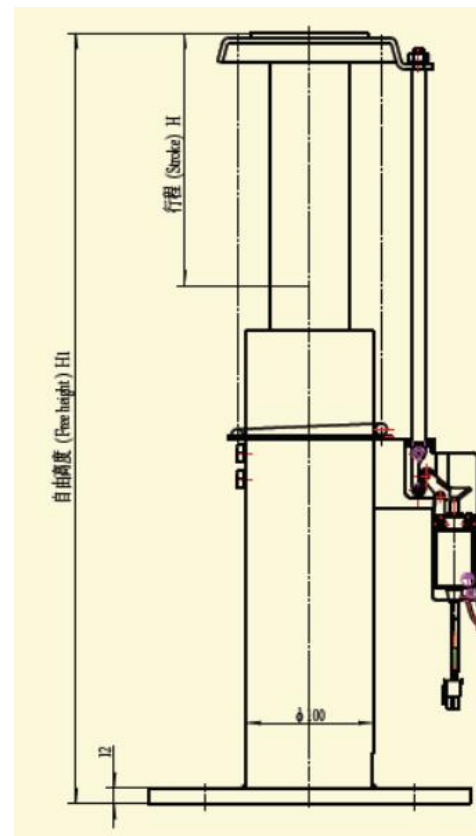
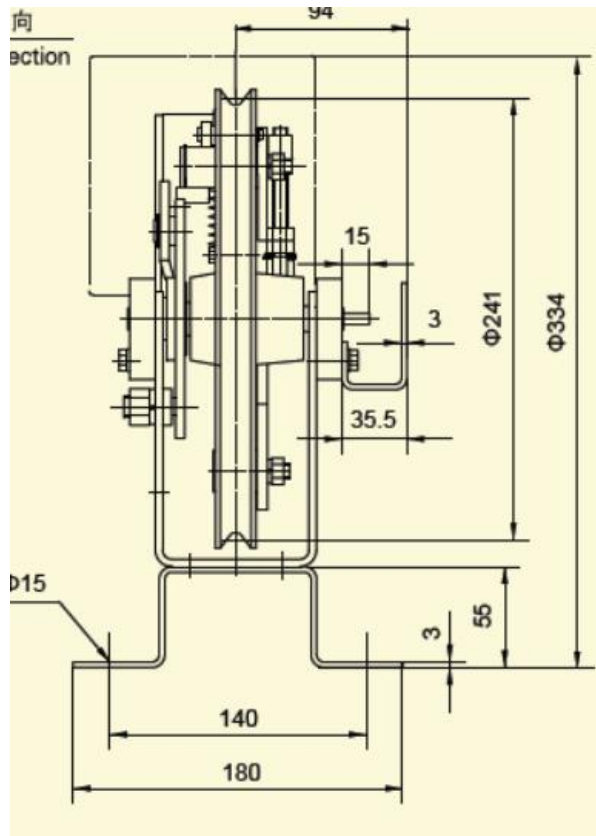
- High rigidity, no need for diagonal rods, easy to install
- Reasonable structure, easy to ensure machining accuracy, easy to install

Product Superiority

III Main components

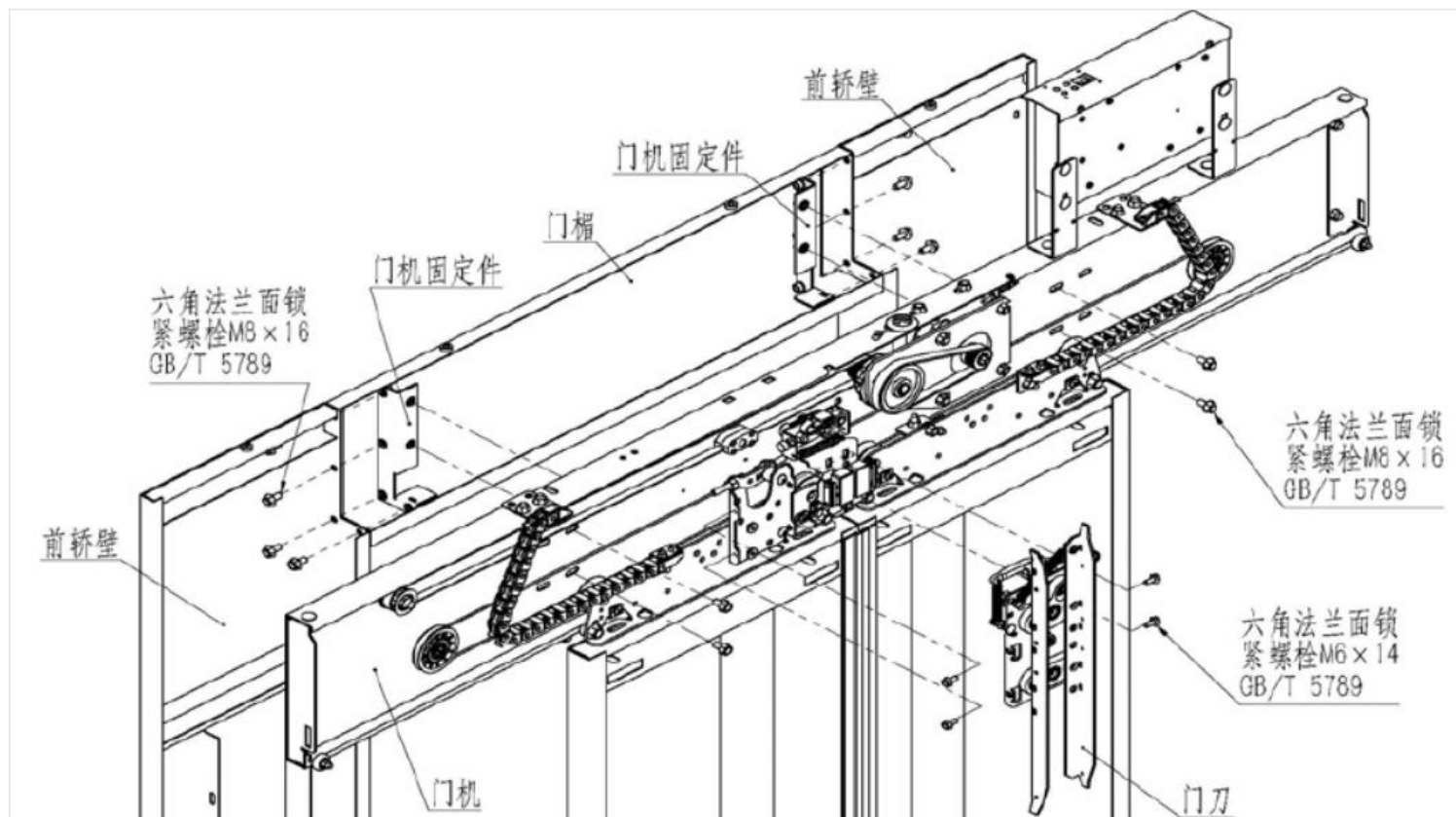


Comp-



●Safety clamps, speed limiters, and buffers are manufactured by Hebei Dongfang Fuda, Shanghai Lvdun, and Ningbo Aodapu—renowned domestic brands that serve leading elevator manufacturers, ensuring reliable quality.

Door System



- The elevator door can be installed on the front wall, which reduces the difficulty of installation and reduces the failure rate (modular installation, easy installation, not affected by the height of the elevator door, save the roof space).

Stainless Steel Door Panel

关于层门包板及粘接工艺的说明

层门是电梯的重要部件，层门的强度关系到使用者的生命安全，所以 2015 年 7 月，国家对 GB 7588-2003《电梯制造与安装安全规范》出台了 1#修改单，专门对层门强度做出了要求，必须满足型式试验的要求。对此，各电梯厂家也对层门的结构进行了调整，采用不同的层门工艺来满足要求。

我司现在的层门包括“包板”及“粘接”两种结构。

包板工艺是一般以 1.2mm 厚的喷塑碳钢板为基础，再在其表面包一层 0.7mm 厚不锈钢，我司不锈钢和喷塑碳钢板之间采用德国进口的优质双面胶粘接并配以铆接进行二次加固，确保两种材料之间连接的平整性及可靠性，

粘接工艺是指门板直接采用 1.2mm 厚不锈钢制作，加强筋板及上下封头均采用冷胶进行粘接，并采用电焊进行二次加固。

包板工艺和粘接工艺有以下优缺点：

1. 包板工艺门板总的厚度为 1.9mm，门板厚实且重，运行平稳，可减小振动及降低运行噪音，运行效果更好。

2. 包板工艺的加强筋、上下封头与碳钢板采用焊接工艺，有非常高的强度，经久耐用，加强筋不会脱落，而粘接工艺的加强筋、上下封头和不锈钢面板只能采用粘接，另外有 4 个电焊点位，这种工艺强度明显弱于整体焊接工艺，4 个电焊点容易虚焊，在长期的开关门过程中容易脱落，且时间长了之后有粘胶脱落的风险，存在严重的安全隐患。

3. 从成本来说，包板工艺的基础板需要喷塑，重量重一些，而粘接采用的不锈钢材料厚度是 1.2mm，包板用的不锈钢是 0.7mm，总的算下来两种工艺成本相当，不存在偷工减料的说法。

4. 我司对两种工艺的门板分别进行了型式试验要求的撞击试验，包板工艺的变形量明显小于粘接工艺的变形量，试验证明强度更可靠。

通过对以上各项的比较，我司最终面向客户主推包板工艺，根据客户需求，也可提供粘接工艺门板，两种工艺均满足型式试验要求。

特此说明！

贵州中航电梯有限责任公司 技术部



- 0.7 m m stainless steel castings
- 1 The door panel is made of 2 mm carbon steel plate, with reinforcing ribs and upper/lower heads welded to the carbon steel base plate, providing exceptional strength. Its robust construction ensures long-lasting durability.

Control

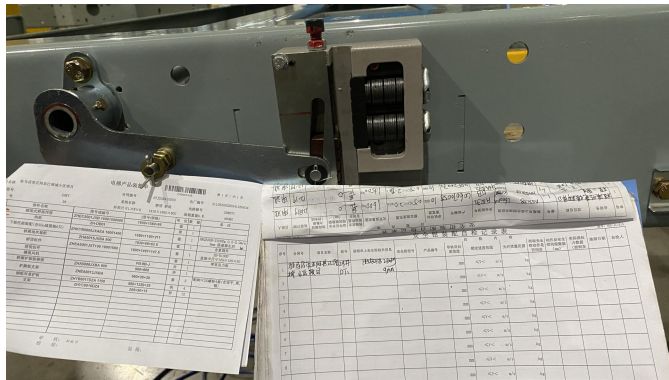


A full-time programming team is responsible for the programming of intelligent production equipment to ensure product consistency and accuracy.



Flatening process: The products of shear-
ing and laser cutting are flattened to
ensure the flatness of the products and the
effective release of stress.

Control



Special inspection process control is implemented for critical safety components, such as self-inspection of safety clamp assembly.

Provide installation guidance signs for critical components, such as safety catch base plate installation instructions for freight elevators and counterweight frame installation guidelines.

Control



电梯控制柜检验/调试记录

编号: 120-11-027

项目名称	电梯控制柜	电机功率 (kW)	1.5	电压 (V)	380	频率 (Hz)	50	额定速度 (m/s)	1.0
合同编号		曳引机型号	AT100	曳引机编号	330899	主驱动号	010001	控制柜型号	AT100
电梯型号	1600	控制柜型号	AT100	控制柜编号	120100	制动器型号	HCW100	PG卡型号	

一、通电前检查

1. 外观检查

序号	检查内容	检查结果
①	柜体表面光洁完好, 无划痕, 无掉漆, 柜门无卡阻, 且开启角度≥90°。	✓
②	元器件安装位置正确, 平整, 牢固, 并符合使用说明书要求。	✓
③	器件标识粘贴位置正确, 工整牢固。	✓
④	端子排无松动, 无虚焊。	✓
⑤	线盒线号管标记方向正确, 清晰, 齐全。	✓
⑥	接线牢固无松动, 插件无退针现象, 压线裸露部分不得超过 0.5mm。	✓
⑦	接地螺栓, 接地标记齐全。	✓
⑧	控制柜门锁应牢固, 符合要求, 安装端正, 牢固。	✓
⑨	控制柜接线确认: 检查一次回路、二次回路及接地线是否符合图样要求。	✓

2. 绝缘电阻测试

回路名称	规定阻值	实测阻值
主回路	≥0.5 MΩ	✓
安全回路	≥0.5 MΩ	✓
控制回路	≥0.25 MΩ	✓
接地线	<4 Ω	✓

三、通电带载检查

序号	检查内容	检查结果
1	101-102 之间 电压: AC 110 V	✓
2	201-202 之间 电压: AC 220 V	✓
3	抱闸动作确认 电压: DC 110 V	✓
4	开关电源输入 L-N: AC 240 V	✓

四、功能检查

序号	检查项目	检查结果
①	安全回路检测正确。	✓
②	开关门及门连锁回路检测正确。	✓
③	抱闸回路动作正确, 包括的续流 (耗能) 回路动作正确。	✓
④	上下限位、上下端站、上下次端站 (限速≥2.0m/s) 及门区信号正确。	✓
⑤	检修状态下, 慢下、慢上运行正常。	✓
⑥	消防功能正常。	✓
⑦	检修功能正常。	✓

调试人: 张永强 调试日期: 2024.11.22

备注: 合格打“✓”, 无该项检查时打“/”, 不合格填写实际情况, 有数据要求时, 填写具体数据。

检验结论: 合格 检验员: 张永强 检验日期: 2024.11.22

质量记录:

Before shipment, the control box, control cabinet and main engine are tested one to one to ensure that the electrical system works together, improve the overall performance and reliability, reduce the risk of failure, and reduce the difficulty of elevator installation.

Control



During the shipping process, the MES system's PDA scans and photographs each container number lifted and loaded onto the vehicle for documentation.

编号: HJS-JL-014

检查人员		检查日期		年		月		日	
操作者	车间	零件图号	零件名称	工种	有无图纸	是否首检	工序质量抽查		
							技术要求	抽查情况	结论
	6#	ZHEA800JXT-K684	筒灯上盖板	磨	√	√	125/252	125/252等客未检	不符合要求
	"	ZHA809JXD-J661	挂板型板	折	√	√	12/18/240/1464	12/18/240/1464	合格
	"	ZHA807JXM-J661	M821型左右主板	折	√	√	21/100/903	21/100/903	"
	"	ZHWA821JXMM-8845	平底罩板 930	折	√	√	65/147/65	65/147/65	"
	"	"	"	磨	√	√	272.5/2335	272/2335	"
	"	ZHWA510JXAF-0293	无底斜梁罩板	焊	√	√	1282/171/241/181	1282/171/241/181	"
	"	ZHWA821JXMM-8870	上梁	冲制	√	√	4-813/65/15/170/70	4-813/65/15/170/70	"
	"	"	"	折	√	√	35/80/160/2080	35/80/159.5/2080	"
	6#	ZHWA810JXAF-0293	斜罩新架底罩板	冲	√	√	6-7X12/40/8/20	6-7X12/40/8/20	"
	"	ZHWA810JXAF-0293	斜罩新架底罩板	冲	√	√	99.5/127/20/249.5/8	99.5/127/20/249.5/8	"
	"	ZHWA520102DL-8870	对重滑轮座吊钩(吊钩)	焊	√	√	1140/280/610/172	1140/280/610/163误差较大	不符合要求
	"	ZHWA520102DL-8870	对重滑轮座吊钩	焊	√	√	1140/190/630/170	1140/190/650/163误差较大	不符合要求
备注									

The process team conducts process discipline inspection on the production site from time to time every day, mainly to check the correctness of drawings, rationality of process, standardization of operation and correctness of products during the processing of products.

