



SAFETY DOOR INTEGRATION SYSTEM OF VILLA GARAGE



GUIZHOU DEMA INTELLIGENT EQUIPMENT MANUFACTURING CO.

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KUZI
EVERYTHING IS BECAUSE OF PASSION

SPECIAL
ANNOUNCEMENT

KUZI reserves the right to change the design and specifications without notice.KUZI reserves the right of final interpretation of the contents of this booklet, as the printing process of the booklet may show color deviation between the product and the real product, please refer to the final product.

FOLLOW THE ENTERPRISE
PUBLIC ACCOUNT FOR MORE
AMAZING INFORMATION!



LEADING BRAND

WE SPARE NO EFFORT IN
PURSUING OUR DREAMS

Time passes, but our original aspirations remain unchanged. We are marching forward for our dream, and with the spirit of innovation and craftsmanship, we are bringing high-quality product experience and honorable service to consumers worldwide.

GRASP THE PRESENT AND MEET THE FUTURE

BRAND HISTORY

Guizhou Dema Intelligent Equipment Manufacturing Co., Ltd. was established in 2018, mainly engaged in the high-end villa intelligent garage door complete sets of products and equipment manufacturing research and development, and at the same time, the creation of the "KUZU" brand for its high-end villa garage door and lay a good foundation for its independent operation. Since its inception, the company has taken the dynamic process of the product, practical, durable, and cost-effective, as the core direction of research and development. The products constantly gained high recognition from national dealers and users. At the same time, our research and development results applied for dozens of invention and utility model patents, which the National Intellectual Property Bureau authorizes. The quality management system implemented by the company is in line with the requirements of ISO90012015, and in 2020, the products passed the CE certification of the European Union. In 2021, we were awarded the title of national high-tech enterprise. In 2022, we participated in preparing the group standard of "Electric Fast Rolling Shutter Door for Construction" as the deputy editorial unit. In 2023, we were awarded the recognition of innovative small and medium-sized enterprises at the provincial level in Guizhou.

QUALITY INHERITANCE WITNESSES EXCELLENCE

BRAND INTRODUCTION

KUZI originates from the quality heritage of Austria. Its factory is located in Guiyang, southwest China, known as the "world capital of big data". As an independent operating brand of high-end garage doors under the company, KUZI has been focusing on the craftsmanship of villa intelligent garage doors, leveraging resources to vigorously promote the development of smart cities. Bringing consumers high-quality product experiences and distinguished services.

KUZI brand is a technology enterprise integrating research and development, manufacturing, sales, and service of villa intelligent garage doors. The company's quality management system complies with the requirements of ISO 90012015 and is certified. The products have passed the EU CE certification, Australian RCM certification, and have been awarded the titles of national high-tech enterprise, innovative small and medium-sized enterprise in Guizhou Province, specialized and new small and medium-sized enterprise in Guizhou Province. In 2023, it was awarded the title of Top Ten Special Contribution Enterprises by Guiyang Comprehensive Bonded Zone. The villa intelligent garage door products developed by the company currently have dozens of national invention patents. The products are sold to the United States, Europe, the Middle East, and Southeast Asian countries. In mainland China, it has a sales network of more than 120 dealers.

Strength empowers innovation. KUZI has advanced production equipment, such as introducing automated product processing lines, CNC machining centers, CNC laser equipment, and other advanced production and testing equipment facilities in the industry. KUZI also has an outstanding team in the industry, from solution design to product service, from product upgrading to production line process improvement, from mechanical intelligence to information technology diversification, all embodying the spirit of this professional team's craftsmanship. The team attaches great importance to technology research and development and always pays attention to cutting-edge technology. Working with heart, pursuing the ultimate. With exquisite quality and distinguished service, KUZI has won the trust of global consumers and become the preferred choice for high-end villa residential communities.

Today, KUZI has become the leading brand in the villa intelligent garage door industry. But our original intention remains unchanged, advancing towards our dreams, everything is because of passion!



KUZI has high-quality products, innovative and leading technology and attentive and honorable service, which have won wide recognition from the society and won many honors.

KUZI villa garage safety door integrated system, subvert your inherent imagination. Technology and artistic, aesthetic and practical, intelligent and safe, KUZI with science and technology and innovation, to take you a step ahead of others to enjoy the future of life.

ALL FOR THE SAKE OF PASSION
ONLY FOR SUBVERSION

REDEFINITION

PRODUCT ADVANTAGE

INTRODUCTION TO THE ADVANTAGES OF INTELLIGENT SMALL TURBO VILLA GARAGE DOOR PRODUCTS

Intelligent small turbo villa garage door is superior to traditional garage doors in space design, appearance design, safety integration system, intelligentization, heat preservation, sealing, lifting speed, opening frequency, operation noise, etc. Door plate selection: 1.5mm-2.0mm thick high-strength aluminum alloy profiles, intermediate polyurethane foam filling, surface oxidation or electrophoresis coloring, not easy to lose color and discoloration. The sealing tape adopts EPDM (European standard) tape, which has good elasticity and resistance to compression and deformation, strong weather resistance, and corrosion resistance. The track is made of 6.0mm thick aluminum alloy; The door frame is made of 2.5mm thick galvanized plate with laser cutting and baking paint treatment. The pulleys are made of double-port bearings, and the door link hinges are adopts 6061 aviation aluminum alloy profile extruded in one shot, and the middle is with polymer silencer sleeve, and the friction is noiseless; Transmission mode. Synchronous belt transmission, synchronous belt flexibility to adapt to the instantaneous forward and reverse, high and low-speed operation, through the improvement of the counterweight system, to achieve the tension spring on the door running assistance, effectively improve the original chain sprocket transmission of the mixed noise, run more smoothly and steadily, service life extension. The motor adopts a joint venture servo motor, which compared with the traditional asynchronous induction motor, efficiency doubled, energy saving, lightweight, high torque, twice the overload, and other advantages, can perfectly overcome the wind pressure in the natural environment.

3 MAJOR OPERATING SYSTEMS

REDEFINING VILLA GARAGE DOORS AT A NEW HEIGHT

LIFTING SYSTEM

Solve the problem of existing sprocket chain with high noise and jamming by synchronous belt drive with smooth gear meshing characteristics, and further improve the spring counterweight and drive shaft. Solving the problem of poor spring assistance and drive shaft jamming easily of the existing fast door, ensuring the turbo fast door operation smoother and more stable.

DRIVE LINE SYSTEM

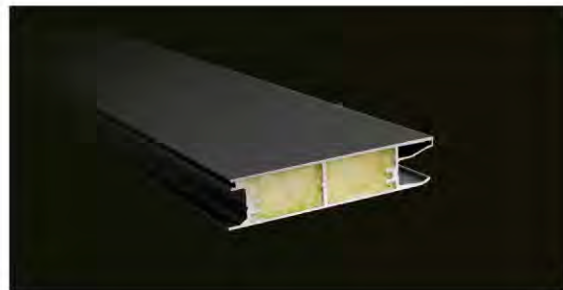
The transmission system is mainly used to drive the door body opening and closing operation. It contains servo gear motor, coupling, transmission shaft and so on. By upgrading the rigid connection mode to drum tooth connection mode, it can effectively adjust the tiny error of the door body due to the manufacturing and installation process, and compared with the original rigid connection transmission mode, it has the advantages of small vibration of the door body, low noise, and smoother operation, which improves the customer's experience and the ultra-long operation life.

COUNTERWEIGHT SYSTEM

Realization of the tension spring on the door running power, through the improvement of the counterweight operation, to achieve a good door running power effect.

PATENT TECHNOLOGY





STRICT MATERIAL SELECTION SYSTEM

KUZI very strict on the choice of raw materials, the door panels with hidden hinge design and all products door plate profiles are high-strength aluminum alloy plate, filled with internal polyurethane foam. All the hardware accessories we are striving for excellence, each hinge, each rail, each sealing tape, and even a small screw, we strive to be the best of the best.

SAFETY PERFORMANCE SYSTEM

With airbag and light curtain double safety protection, FSS output signal without testing, can be directly integrated with the door guide (SB type and D8 type), IP67 strong waterproof performance, high light spare, dust-proof, waterproof, dirt-resistant. Applicable door speed up to 0.6m/s.

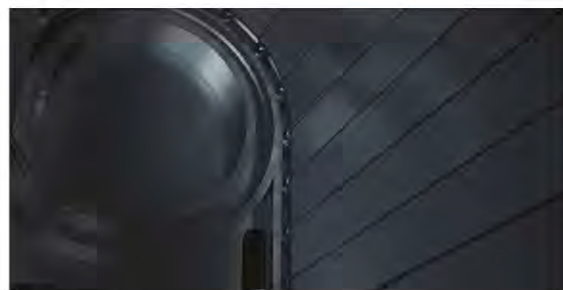


INSTALLATION OF STRUCTURAL SYSTEM

KUZI provide you with a variety of lifting system solutions, engineers and technicians will be based on the site civil structure, in the turbine inhalation type, elliptical inhalation type, vertical lifting type, 90-degree flip-flop lifting or more guide way program, to provide you with the most scientific and reasonable program.

INTELLIGENT OPENING AND CLOSING SYSTEM

The product can be opened by radar, license plate recognition, vehicle recognition, remote control handle and mobile APP remote control, etc. When you rush out and forget to close the door, the door body comes with a delayed closing function to close automatically. The application of advanced intelligent technology allows you to enter and exit with greater ease.



RAIL LIFTING SYSTEMS

The door body adopts Austrian advanced turbo inhalation track technology with spiral lifting track, running quietly and smoothly. Strong load bearing capacity, fast operation, no contact between the door body and the connecting parts when rolling up, no friction, no wear and tear. It guarantees the lifting speed and prolongs the service life of the door body.

8 MACROCORE SYSTEM MAKING IMAGINATION VISIBLE

CORE SYSTEM TECHNOLOGY

EMERGENCY OPENING SYSTEM

In case of power failure, the electric control system can open the motor brake at any time, and the door can be lifted up with the help of the balancing system, which can effectively solve the problem that the door can not be opened and closed due to power failure or malfunction.

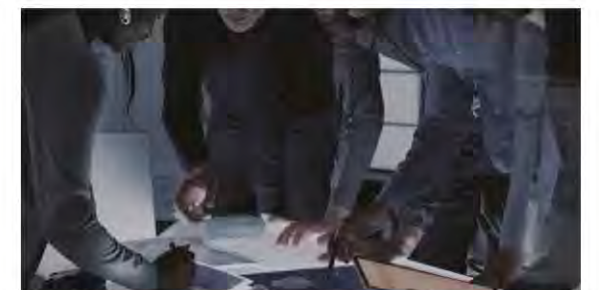


TWO MAJOR OPERATING SYSTEMS

Transmission system and lifting system are fully upgraded. Transmission system: from the original chain transmission upgraded to synchronous belt wheel (more than 4 meters door using, bilateral counterweight), gear motor direct connection (less than 4 meters door using, unilateral counterweight), in addition to the dull double-fixed drive shaft upgraded to a drum-shaped gear double floating drive shaft, effectively reducing the mechanical noise of the transmission system and equipment vibration. Lifting system: chain wheel and chain lifting upgraded to synchronous belt wheel lifting with gear smooth meshing characteristics, the transmission process is more stable with low noise.

PRIVATE CUSTOMIZED SYSTEM

Two opening methods, multiple surface colors. Widely used in villa high-grade private residence, meet your more choices, create a delicate, intelligent, beautiful and practical garage door for you. Realize your perfect imagination.



FULL PANEL TRACKLESS RISING GARAGE DOOR

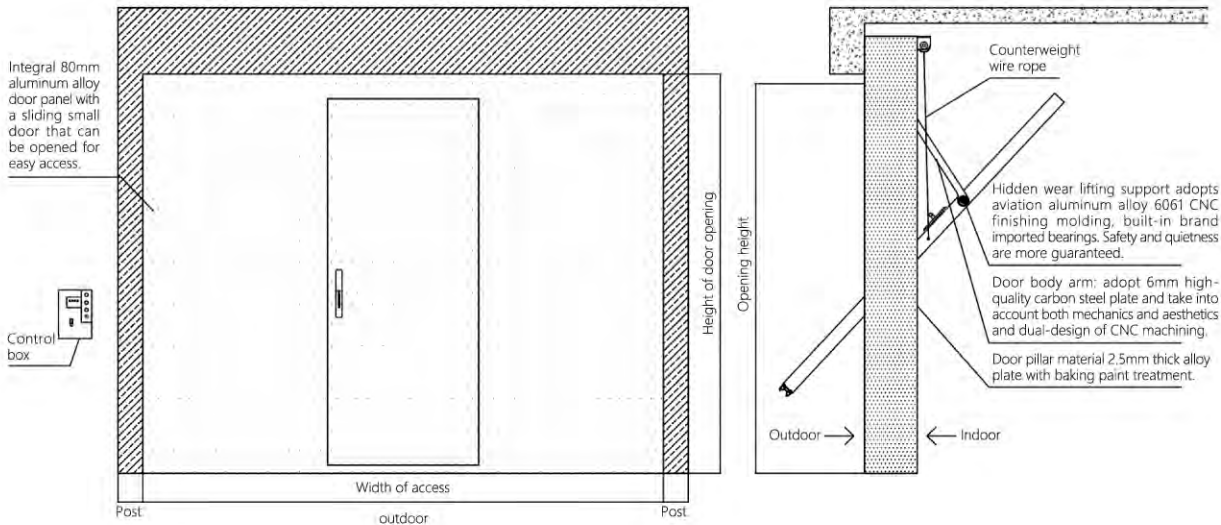
SERIES

GRASP THE
PRESENT
AND MEET THE
FUTURE

FULL PANEL TRACKLESS RISING GARAGE DOOR

SAFETY DOOR
INTEGRATION SYSTEM OF VILLA GARAGE

GARAGE DOOR PLAN DIAGRAM



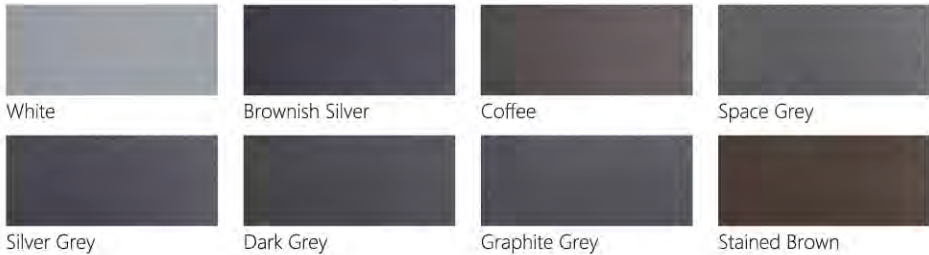
PARAMETERS OF FULL PANEL TRACKLESS RISING GARAGE DOOR EXCELLENCE SERIES

Material And Model	Aluminum alloy door panel, thickness is 80mm, the middle of the door body is filled with thermal insulation cotton and polyurethane.
Airtightness	Airtightness of approximately 2.0m ³ / m ² / H (at 50 Pa pressure) for installed doors
Wind Resistance	30m/s, wind-resistant up to grade 11
Thermal Insulation Performance	Insulation factor: K-VALUE0.4W/M2K
Configuration	(Standard) photoelectric sensors, remote control; (Optional) vehicle identification, license plate recognition, and mobile phone APP remote control.
Opening/Closing Speed	0.2M/S ~ 0.3M/S (adjustable)
Lifting Methods	Full plate counterweighted sliding lift
Maximum Size	Maximum 6m passing width, 5m passing width with middle door opening.

COMPREHENSIVE UPGRADE OF CORE SYSTEMS

Uplift Flap System: Uplift flap system is driven by the drive motor to lift the door body upward while rotating around the lifting shaft to open, reducing the top space occupation; secondly, the swinging arm rotates around the curve of the support point to adjust the force balance of the door body at all times to ensure the safe and smooth operation.

DOOR PANEL SURFACE COLOR IS AVAILABLE



UPLIFT FLAP SYSTEM

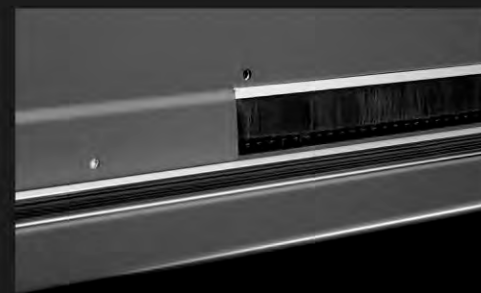


DOOR BODY SWIVEL ARM/CONCEALED LIFTING SUPPORT

The door body rotating arm adopts a 6mm high-quality carbon steel plate considering the mechanics and aesthetics of the dual design of CNC machining and becomes a rotating support seat that adopts aviation aluminum alloy 6061 carved molding, built-in brand imported bearings quieter. The rotating arm mechanism has a safe, mute, beautiful, simple, and clean look characteristic. Safe and quiet, and more guaranteed.

SEALING SYSTEMS

The sealing system between the door body and the door post adopts high-performance telescopic sealing design, which retracts when the door body is in operation and can be sealed automatically when it is closed.



BOTTOM SEAL

The bottom is sealed with EPDM high quality rubber, which is wear-resistant, simple and reliable.

FULL-PANEL TRACKLESS RISING GARAGE DOOR MAIN ROAD SEPARATION SYSTEM

The pedestrian door is practical and solidly located in the center of the full-panel trackless lift-up garage door, combining the practicality of entrance security protection to prevent unwanted entry, harmoniously embedded in the design of the full-panel trackless lift-up garage door. The pedestrian door is designed with user-friendly technology such as invisible hinges, invisible bolts and seals on all sides, making the appearance of the whole panel trackless garage door more integrated. Intelligent opening technology greatly improves safety and security, allowing the pedestrian door to quickly and easily access the garage without having to open the garage door all the way.



MULTI-FUNCTIONAL OPENING METHOD

The whole plate trackless rising garage door can solve the garage door hole is short, the door body can be opened between the pedestrian door, and multifunctional door opening methods such as fingerprints and passwords are used to make travel more convenient (fingerprint and password opening is only limited to pedestrian doors).



The pedestrian door is integrated with the garage door, the automation system is completely hidden, personalized to create an elegant and unique appearance, beautiful and clean, adding more functions to your garage.

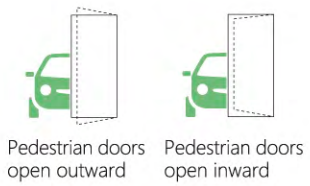
Modern Aesthetics for a Intelligent Future

KUZI full-panel trackless ascending garage door series garage security doors maximize flexibility according to customer needs,making it an avant-garde creation. In every detail it ensures superb aesthetics in the most diverse architectural solutions.





SAFETY DOOR
INTEGRATION SYSTEM OF
VILLA GARAGE



The near-perfect product is aesthetically stunning

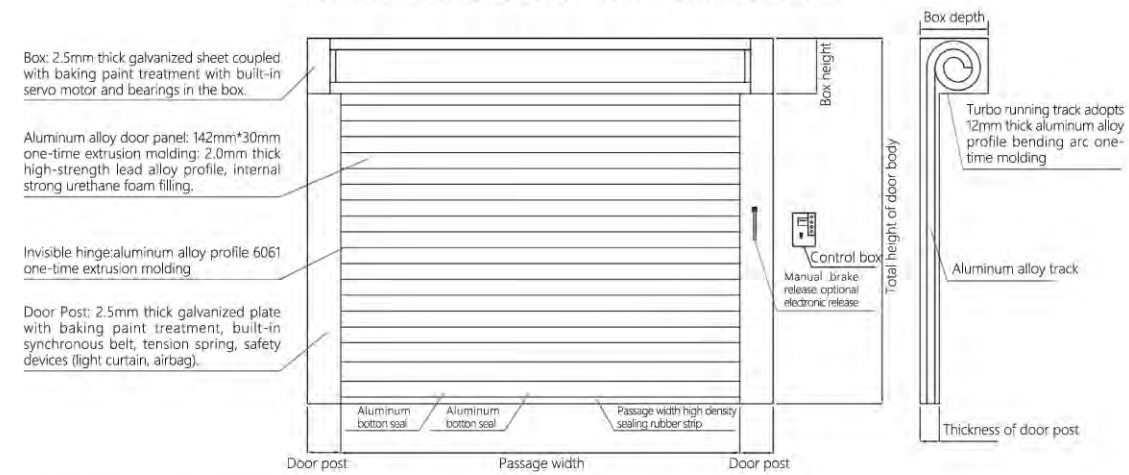
The designer will be elegant, generous, and modern life perfect fusion, the reinforced aluminum plate carefully crafted, elegant appearance and unique artistry fully demonstrate the dignity of the identity. At the same time, its connotation has a good quality, high hardness, beauty, and generous.



142

SERIES

GARAGE DOOR PLAN DIAGRAM



142 ZHENPIN SERIES RELATED PARAMETERS

Material And Model	Wall thickness of 2.0mm high-strength aluminum alloy, internal polyurethane foam filling.
Specification	142mm*30mm
Guide Track	Aluminum alloy guided load-bearing track ensures no noise and no friction when the curtain is running at high speed.
Airtightness	The air tightness for the installed door is about 2.0 m ³ /m ² /H (at 50 Pa pressure).
Wind Resistance	30m/s, wind resistance class 11
Thermal Insulation Performance	Insulation coefficient: K-VALUE 0.4W/M2K
Configuration	(Standard) Light curtain, remote control, airbag, manual release; (Optional) vehicle identification, license plate recognition, mobile APP remote control, etc.
Opening / Closing Speed	0.6M/S-1.8M/S(adjustable)
Lifting Method	Round turbine lifting (standard lifting), oval turbine lifting, 90° flap lifting
Maximum Size	Maximum 7.4m passing width

TWO CORE SYSTEMS ARE FULLY UPGRADED

Transmission system: the original chain transmission is upgraded to synchronous belt wheel (used for gates over 4 meters with bilateral counterweights), gear motor is directly connected (used for gates under 4 meters with unilateral counterweights), in addition to upgrading the dull double-fixed transmission shaft to a drum-shaped tooth double-floating transmission shaft, which effectively reduces the mechanical noise of the transmission system and vibration of the equipment, and makes it run more smoothly and steadily.

Lifting system: sprocket chain lifting upgraded to synchronous belt wheel lifting with gear smooth meshing characteristics, due to its gear transmission characteristics, coupled with the two media a soft and rigid cooperation, the transmission process is more stable and low noise, longer life. Completely change the door in the operation of the sense of frustration and manual release when the door is not easy to open and close the problem.

DOOR PANEL SURFACE COLOR IS AVAILABLE



GRASP THE PRESENT AND MEET THE FUTURE

142mm

SAFETY DOOR INTEGRATION SYSTEM OF VILLA GARAGE

ELECTRIC MOTOR :
EFD-110150BE-MRC8.78



MAIN FUNCTIONS

- Mobile phone remote control
- Wireless control
- Flexible start flexible stop
- Infrared protection function
- Airbag protection function
- Access control (radar, ground sensor)
- Forward and reverse switching

TECHNICAL PARAMETERS

Rated voltage	AC220/50HZ
Rated power	1.5KW
Motor speed	2000rpm
Motor torque	7.2N.m
Power supply	AC 180-240V ~ 50Hz
Limit mode	Absolute value encoder
Self-locking mode	Electro-mechanical brakes
Manual release	Handle
Protection Function	Over-current protection, over-voltage protection, under-voltage protection, overload protection, etc.
Place of use	Indoor, no direct sunlight, no dust, corrosive gases, oil mist, water vapor, etc.
Working temperature	-10°C ~ 40°C (40°C ~ 50°Cderating for general use)



GRASP THE PRESENT
AND MEET THE FUTURE

Details determine quality

KUZI Garage Doors are specially designed for high-end villas and elite individuals, providing a personalized experience for your home. The combination of hardcore intelligent manufacturing performance and aesthetic art design to achieve spatial optimization is not only a high-level philosophy of life, but also a wisdom of life.





GRASP THE PRESENT
AND MEET THE FUTURE

Three-dimensional beauty through
the craft of fine carving

Minimalism under the carving process from the surface light to texture presentation, the product more fine texture and luster, to create a more three-dimensional 3D natural effect. Product design, R & D more realistic and delicate, concave and convex three-dimensional surface has a more unique expression, can further enhance the original texture of raw materials.



120

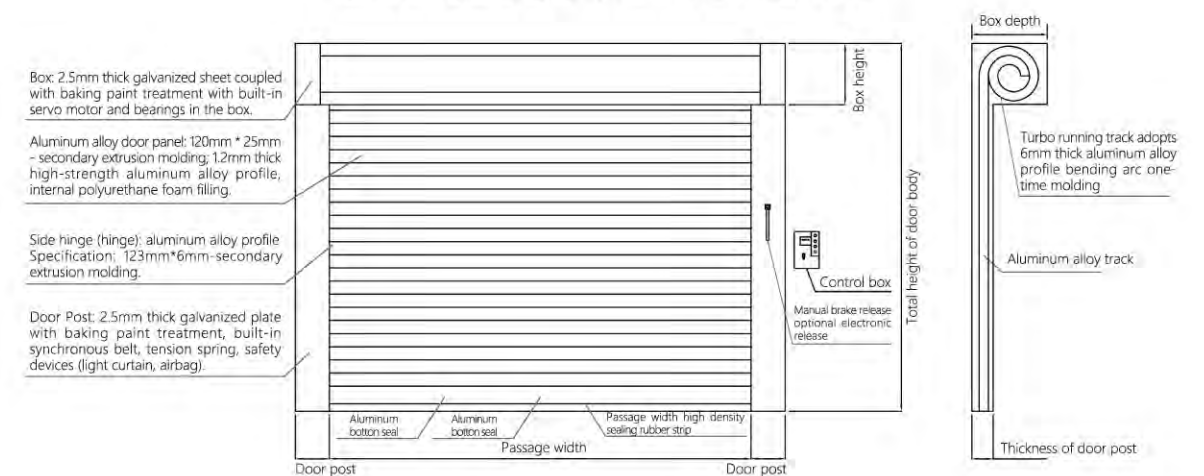
SERIES

GRASP THE
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120mm

SAFETY DOOR
INTEGRATION SYSTEM OF VILLA GARAGE

GARAGE DOOR PLAN DIAGRAM



120 ZHENPIN SERIES RELATED PARAMETERS

Material And Model	Door wall thickness 1.2mm high strength aluminum alloy material, internal polyurethane foam filling.
Specification	120mm*25mm
Guide Track	Aluminum alloy guided load-bearing track ensures no noise and no friction when the door curtain operates at high speed.
Airtightness	The air tightness for the installed door is approximately $2.0 \text{ m}^3 / \text{m}^2 / \text{H}$ (at 50 Pa pressure).
Wind Resistance	30m/s, wind resistant up to class 11
Thermal Insulation Performance	Insulation coefficient: K-VALUE 0.4W/M2K
Configuration	(Standard) Light curtain, remote control, airbag, manual release; (Optional) vehicle identification, license plate recognition, and mobile phone APP remote control.
Opening / Closing Speed	0.6M/S-1.8M/S(adjustable)
Lifting Method	Round turbine lift (standard lift), oval turbine lift, 90° flap lift
Maximum Size	Maximum passing width 6.5m

TWO CORE SYSTEMS ARE FULLY UPGRADED

Transmission system: the original chain transmission is upgraded to synchronous belt wheel (used for gates over 4 meters with bilateral counterweights), gear motor is directly connected (used for gates under 4 meters with unilateral counterweights), in addition to upgrading the dull double-fixed transmission shaft to a drum-shaped tooth double-floating transmission shaft, which effectively reduces the mechanical noise of the transmission system and vibration of the equipment, and makes it run more smoothly and steadily.

Lifting system: sprocket chain lifting upgraded to synchronous belt wheel lifting with gear smooth meshing characteristics, due to its gear transmission characteristics, coupled with the two media a soft and rigid cooperation, the transmission process is more stable and low noise, longer life. Completely change the door in the operation of the sense of frustration and manual release when the door is not easy to open and close the problem.

DOOR PANEL SURFACE COLOR IS AVAILABLE



ELECTRIC MOTOR :
EFD-110150BE-MRC8.78



MAIN FUNCTIONS

- Mobile phone remote control
- Wireless control
- Flexible start flexible stop
- Infrared protection function
- Airbag protection function
- Access control (radar, ground sensor)
- Forward and reverse switching

TECHNICAL PARAMETERS

Rated voltage	AC220/50HZ
Rated power	1.5KW
Motor speed	2000rpm
Motor torque	7.2N.m
Power supply	AC 180-240V ~ 50Hz
Limit mode	Absolute value encoder
Self-locking mode	Electro-mechanical brakes
Manual release	Handle
Protection Function	Over-current protection, over-voltage protection, under-voltage protection, overload protection, etc.
Place of use	Indoor, no direct sunlight, no dust, corrosive gases, oil mist, water vapor, etc.
Working temperature	-10℃ ~ 40℃ (40℃ ~ 50℃derating for general use)



ACCESSORIES

SEIKO ACCESSORIES
THE BEST OF THE BEST

KUZI demand for quality is as strict as it is extreme, and we strive for excellence in the selection of fittings, and we dare not neglect even a tiny screw.

KUZI's technical engineers understand the importance of high-quality accessories for integrated garage door systems. We are extremely strict on the selection of accessories because we only want to craft a good work in our hearts.



Orbit (oval)



Orbit (circular)



Safety airbag



Bottom sealing strip



Servo control box

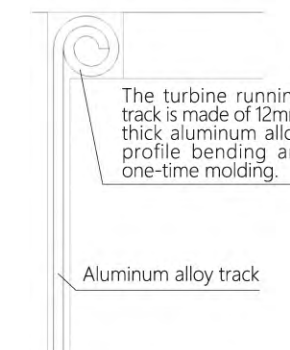


Servo motor

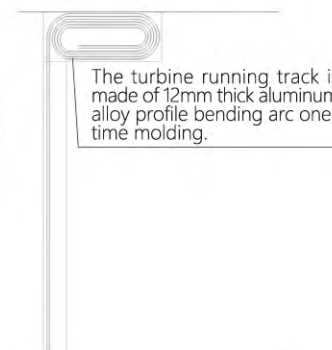


Roller

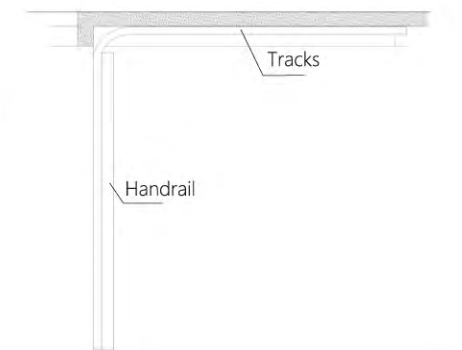
LIFTING METHODS



Circular turbo lifting



Oval turbo lifting



90° lifting



Light curtain

LIGHT CURTAIN SAFETY DEVICE PRODUCT CHARACTERISTICS

Parallel-beam.
safety class 2, FSS output signals can be integrated directly into door guides without testing (type SB and DB).
TÜV certified.
Applicable door speed up to 2.5m/s.
IP67 waterproof solid performance, high light spare, dustproof, waterproof, dirt-resistant.
Electrical signal synchronization can effectively prevent the impact of ambient light and stroboscopic.
Flashes on the product anti-short-circuit protection transistor output PNP/NPN (Push-Pull) or output FSS.
Cross-section size of only 12mm x 16mm.



CEDES AG was certified to ISO 9001 in 2015

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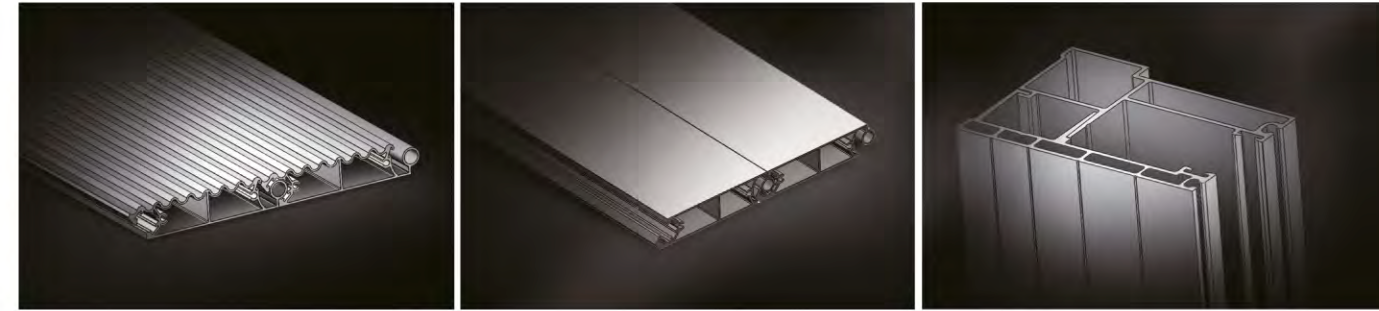
SERIES

GRASP THE
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FUTURE

← 80mm

SAFETY DOOR
INTEGRATION SYSTEM OF VILLA GARAGE

PRODUCT ADVANTAGE



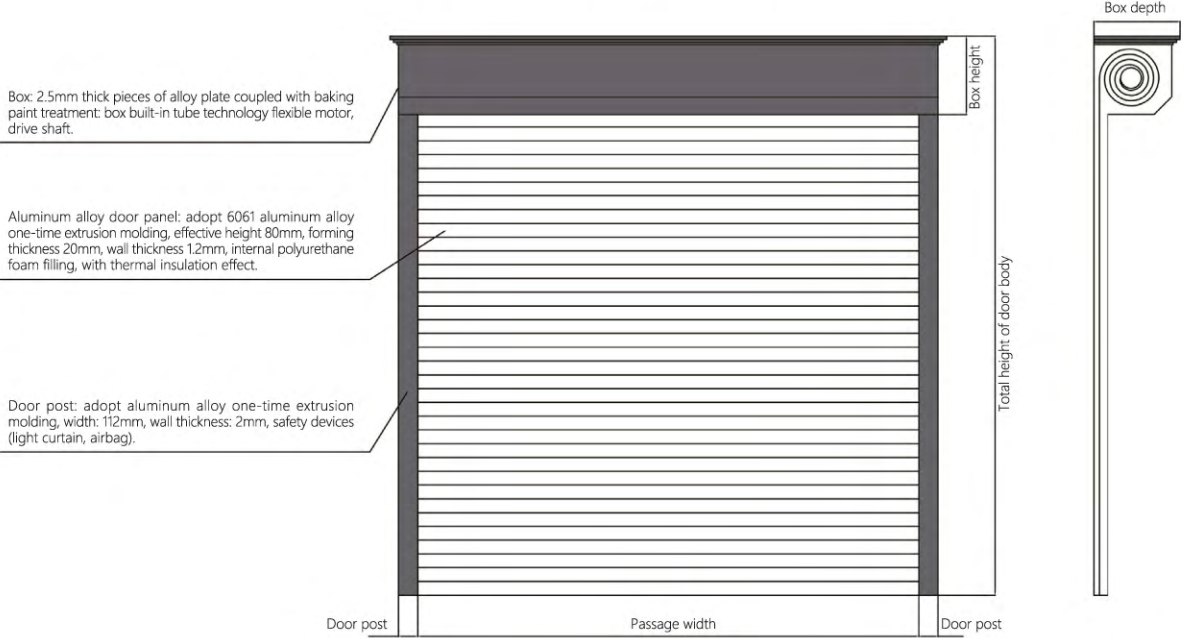
Selection system 80 Perfect Series A, B, C models (corrugated process and flat process can be freely customized)

Separate track, type A



The box is laser cut from 2.5mm plate, split beveled box, high strength, beautiful appearance, easy to install.

GARAGE DOOR PLAN DIAGRAM



PARAMETERS OF 80 ZHENPIN SERIES A MODEL

Material And Model	Door wall thickness 1.2mm high-strength aluminum alloy profile, internal polyurethane foam filling.
Specification	80mm*20mm
Airtightness	The air tightness for the installed door is approximately $2.0 \text{ m}^3 / \text{m}^2 / \text{H}$ (at 50 Pa pressure).
Wind Resistance	30m/s, wind-resistant up to class 11
Thermal Insulation Performance	Insulation factor: K-VALUE 0.4W/M2K
Configuration	(Standard) light curtain (parallel light), remote control, Rebounding in case of obstruction; (Optional) vehicle identification, license plate recognition, mobile phone APP remote control and so on.
Opening / Closing Speed	0.3M/S-0.6M/S
Lifting Method	Circular roller shutter lifting
Maximum Size	Maximum passing width is 7.1m

TWO MAJOR SAFETY SYSTEM INNOVATIONS

AIRBAG PROTECTION SYSTEM

The system supports airbag system, when the airbag touches an object while the system is in the process of closing the door, the system stops operating immediately and then operates in the direction of opening the door until the door runs to the top and stops.

LIGHT CURTAIN SAFETY SYSTEM

Light curtain (parallel light) safety protection electric eye, the door frame is equipped with two sides of the counter-radiation electric eye, there are objects below the door body, so that the door to maintain the open state, when the door body is falling, there are objects below the passage of the door body will be automatically opened to the most open position, to wait until there are no obstacles below the time-delayed descent again.

DOOR PANEL SURFACE COLOR IS AVAILABLE



Intelligent technology beyond your imagination

KUZI80 series roll-up garage security door, condensing the designer's unique design details, unique classic and intelligent innovation collide with each other, presenting the artistic beauty of advanced space.



SERVO TUBE MOUNTED MOTOR



MAIN FUNCTIONS

- Mobile phone remote control
- Wireless control
- Flexible start flexible stop
- Infrared protection function
- Airbag protection function
- Access control (radar, ground sensor)
- Forward and reverse switching

TECHNICAL PARAMETERS

Rated voltage(V)	AC220/50HZ
Rated power(KW)	520-1000KW
Rated torque(N.m)	120-200
No-load speed(r/min)	30-60
No-load current(A)	5.5
Pipe diameter(mm)	92
Basic limit(turn)	18
Maximum Limit Turns(tum)	19
Length(mm)	560/545
Static weight(kg)	14
Continuous running time(min)	4
Protection Grade	IP44

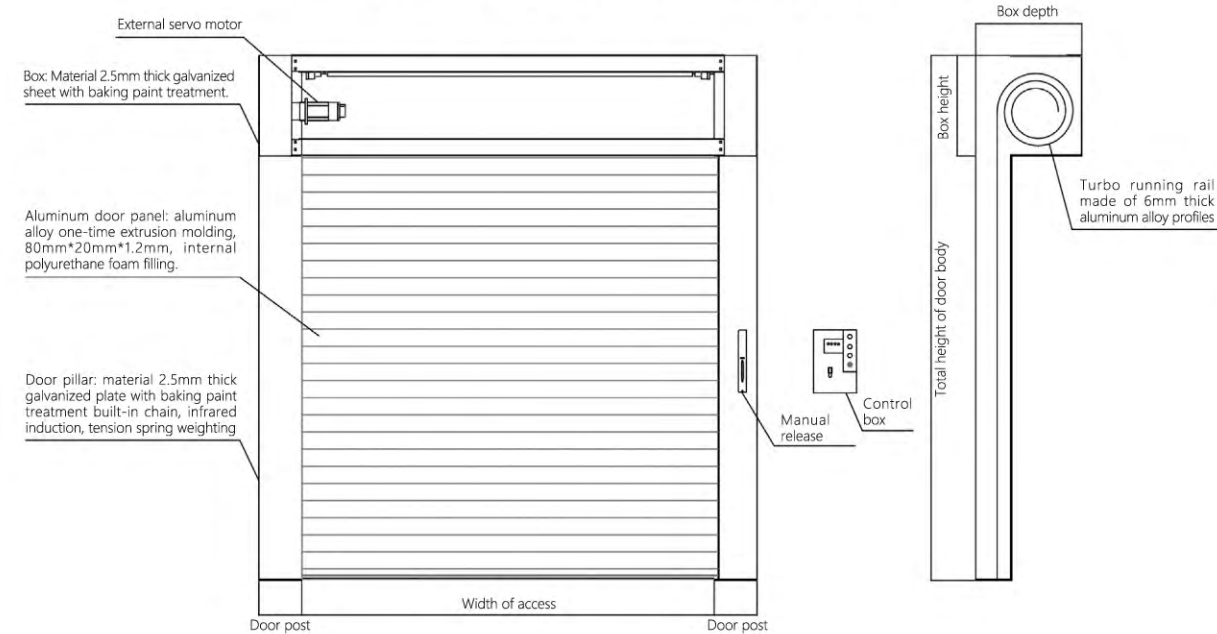


GRASP THE PRESENT
AND MEET THE FUTURE

Two major safety system innovations

Under the design concept of minimalism, the appearance takes the basic elements of space, such as geometric lines, as the core structure of the design, eliminates all redundant decorations, and enriches the completeness of the design with the details of the overall structural interest to form a simple, atmospheric and clean-cut artistic feature.

GARAGE DOOR PLAN DIAGRAM



PARAMETERS OF 80 ZHENPIN SERIES B MODEL

Material And Model	Adopt aluminum alloy one-time extrusion, effective height 80mm, molding thickness 20mm, wall thickness 1.2mm, internal polyurethane foam filling, with thermal insulation effect.
Specification	80mm*20mm
Guide Track	Aluminum alloy guided load-bearing track ensures no noise and friction-free operation of the curtain at high speeds.
Airtightness	Airtightness of approx. 2.0m³/m²/ H (at 50 Pa) for installed doors
Wind Resistance	30m/s, wind-resistant up to grade 11
Thermal Insulation Performance	Insulation factor: K-VALUE0.4W/M2K
Configuration	(Standard) infrared photoelectricity, remote control, airbag, manual release; (Optional) vehicle identification, license plate recognition, mobile APP remote control and so on.
Opening / Closing Speed	0.3M/S-1.8M/S (adjustable)
Lifting Method	Circular turbo lifting, Elliptical turbine lift
Maximum Size	Maximum passing width 6m

TWO MAJOR UPGRADED FEATURES

Relative to the A model upgraded to become a smart small turbo system, through the tension spring on the door body of the counterweight and changes to the drive shaft, to solve the existing fast door spring assistance is not good, the drive shaft jamming problem, to ensure that the turbo run more smoothly and steadily.

The lifting system adopts chain transmission, which has the advantages of accurate average transmission ratio, reliable work, high efficiency; large power transmission, strong overload capacity, small transmission size under the same working condition; small required tension force, small pressure acting on the shaft; can work in high temperature, humidity, dusty, polluted and other harsh environments.

TWO MAJOR SAFETY SYSTEM INNOVATIONS

AIRBAG PROTECTION SYSTEM

The system supports the installation of an airbag system. When the airbag touches an object while the system is in the process of closing the door, the system stops operating immediately and then operates in the direction of opening the door until the door runs to the top and stops.

PHOTOELECTRIC SAFETY SYSTEM

Photoelectric (parallel light) safety protection electric eye, the door frame is equipped with two sides of the counter-radiation electric eye, there are objects below the door body, so that the door to maintain the open state, when the door is lowered and an object passes underneath, the door will automatically open to its maximum.



External servo motor
Significantly reduces the width of the box for maximum passage width.

DOOR PANEL SURFACE COLOR IS AVAILABLE



ELECTRIC MOTOR :
EFD-110150BE-MRC8.79



MAIN FUNCTIONS

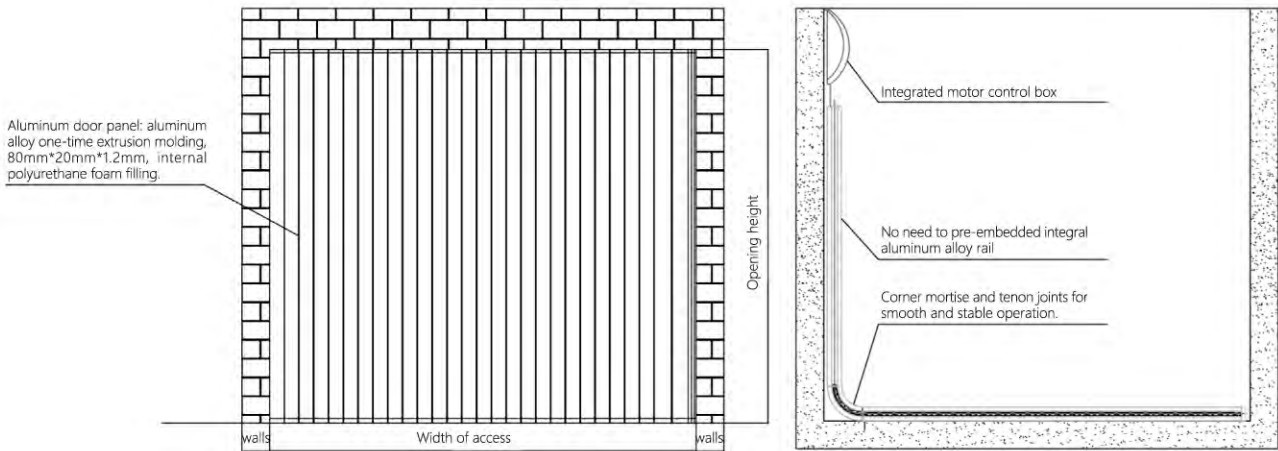
- Mobile phone remote control
- Wireless control
- Flexible start flexible stop
- Infrared protection function
- Airbag protection function
- Access control (radar, ground sensor)
- Forward and reverse switching

TECHNICAL PARAMETERS

Rated voltage	AC220/50HZ
Rated power	0.75/1.5KW
Motor speed	2000rpm
Motor torque	2.7/7.2N.m
Power supply	AC 180-240V ~ 50Hz
Limit mode	Absolute value encoder
Self-locking mode	Electro-mechanical brakes
Manual release	Handle
Protection Function	Over-current protection, over-voltage protection, under-voltage protection, overload protection, etc.
Place of use	Indoor, no direct sunlight, no dust, corrosive gases, oil mist, water vapor, etc.
Working temperature	-10°C ~ 40°C (40°C ~ 50°Cderating for general use)



GARAGE DOOR PLAN DIAGRAM



PARAMETERS OF 80 ZHENPIN SERIES C MODEL

Material And Model	Door wall thickness 1.2mm high-strength aluminum alloy profile, internal polyurethane foam filling.
Specification	80mm*20mm
Guide Track	Aluminum alloy guided load-bearing track ensures no noise and smooth running of the door curtain at high speed.
Airtightness	Airtightness of approx. 2.0 m ³ /m ² /H (at 50 Pa) for installed doors
Wind Resistance	30m/s, wind-resistant up to grade 11
Thermal Insulation Performance	Insulation factor: K-VALUE0.4W/M2K
Configuration	(Standard) remote control, Rebounding in case of obstruction; (Optional) vehicle identification, license plate recognition, mobile phone APP remote control.
Opening/Closing Speed	0.2m/s ~ 0.4m/s (adjustable)
Lifting Methods	Side shift

TWO MAJOR UPGRADED FEATURES

Side sliding door has the maximum use of limited garage door space, can solve the problem of narrow and short garage door openings, maximize to meet the required opening size, the same applies to some special type of curved position.

Long-lasting life: eliminates the need for a tension spring balancing system, avoiding the phenomenon of fatigue of the tension basket.

Side sliding door reduces the resistance of the door running through the design of upper load-bearing track and pulley, which greatly prolongs the service life of the door and motor.

DOOR PANEL SURFACE COLOR IS AVAILABLE



Integrated motor



Corner floor rail mortise and tenon joint, smooth and stable operation.



SIDE SLIDING DOORS, FLEXIBILITY AND VERSATILITY

The system requires only a 10cm over-beam height and a turning radius of as little as R15cm.

INTEGRATED MOTOR MAIN FUNCTIONS

- Microcomputer control - single key remote control, realize open - stop - close - stop cyclic action open, close the door automatically light up, 3 minutes after the automatic extinguish.
- Intelligent real-time monitoring, precise control of the stroke; automatic detection of the opening and closing force;
- Password protection - using rolling code coding technology to prevent code theft, safe and reliable.
- Automatic locking (remote control), automatic closing function;
- Infrared photoelectricity monitoring protection function (optional)
- Power failure emergency -The transmission guide is equipped with a clutch switch, pull down the pull rope when the power failure, you can manually open and close the door, and has a self-locking function.
- DC motor - low noise operation, realize soft start and slow stop, protect the motor and prolong the service life.
- Automatic rebound when closing the door in case of obstruction, and the sensitivity of rebound force is adjustable;
- Overload, overheat, low voltage detection and other protection functions.
- Digital display - digital window, menu display, real-time code reflection, automatic monitoring operation.
- Functional options -The motor is left with photoelectric protection switch, wall switch interface, users can choose and configure by themselves.

INTEGRAL MOTOR CONTROL BOX TECHNICAL PARAMETERS

Input Power	220VAC±10% 50~60Hz
Electric motor	24V DC
Environmental Temperature	>-20°C, <+50°C
Environmental humidity	≤ 90%
Force to open and close the door	600N 800N 1000N 1200N
emission frequency	433.92MHz
coding method	Rolling code
Remote Control Batteries	27A 12V
Illuminated lamps	LED
Lighting time	3minutes



PERSPECTIVE SLIDING GARAGE DOOR

SERIES

GRASP THE
PRESENT
AND MEET THE
FUTURE

Perspective Sliding Garage Door

SAFETY DOOR
INTEGRATION SYSTEM OF VILLA GARAGE

PRODUCT ADVANTAGE

PERSPECTIVE SLIDING GARAGE DOOR

Unique profile design, thickness of the installed material can be adjusted arbitrarily from 3mm to 16mm, can be embedded with decorative materials such as PC board, aluminum-plastic board, aluminum honeycomb board, and various decorative boards, providing greater customization and personalized space.

TORSION SPRING ANTI-BREAKAGE AND DOOR ANTI-FALL PROTECTION DEVICE

The torsion spring is an important component of the perspective sliding garage door, playing a role in energy storage and assisting in opening the door. The standard configuration of KUZU perspective sliding garage door includes a torsion spring anti-breakage protection device, which is fixed at the end of the torsion spring and rotates with the torsion spring during normal operation. Once the torsion spring breaks, the latch structure of this device will immediately pop out and lock the ratchet device, thereby preventing the door panel from falling. The door panel anti-fall protection device is a mechanical safety device installed at the bottom of the door panel. In the event of an unexpected steel wire rope breakage causing the door panel to fall, the built-in steel clip of this device will immediately pop out and latch onto the door frame track, preventing the door panel from falling and causing danger.

PINCH PROTECTION

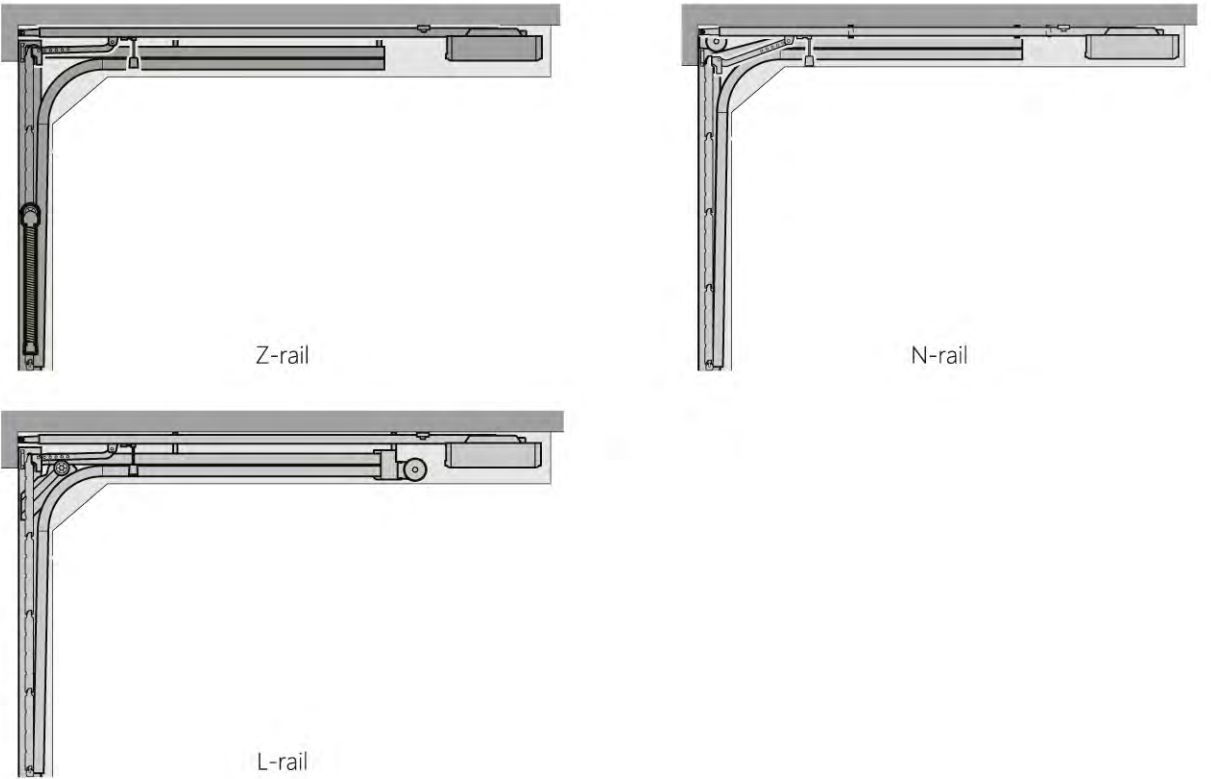
The door panels of the perspective sliding garage door are equipped with anti-pinch structures. The seams at the joints of adjacent door panels are extremely small and continuous during operation. Whether opening or closing, it avoids the danger of pinching hands.

INFRARED PROTECTION AND OBSTACLE REBOUND DEVICE

Infrared protection and obstacle rebound device The perspective sliding garage door is equipped with infrared eyes as standard, always protecting the passage safety under the door body. During the closing process of the door, if an obstacle is encountered, the door will immediately perceive it and stop the closing action. When the door body encounters resistance exceeding the set value, it will automatically open upwards to prevent injury to pedestrians.



GARAGE DOOR SIDE VIEW DIAGRAM



PERSPECTIVE SLIDING GARAGE DOOR PREMIUM SERIES RELATED PARAMETERS

Material And Model	Thickness 40mm
Maximum specification	Maximum width is less than or equal to 6m, height is arbitrary.
Frame material	Precision extruded 6061 aerospace aluminum
Structural design	Anti-pinch door panel connection, torsion spring anti-breakage, door panel anti-fall, multiple safety designs such as photoelectric
Color	Conventional colors include white, black, yellow, etc. More than 10 colors are available (various standard colors can also be provided according to building requirements).
Transparent panels	Can be made of polycarbonate endurance board (PC board), acrylic board, tempered glass, coated glass, low-e glass, hollow glass, etc., thickness from 3mm to 16mm, can be selected according to door width.

TWO MAJOR SAFETY SYSTEM INNOVATION TECHNOLOGIES

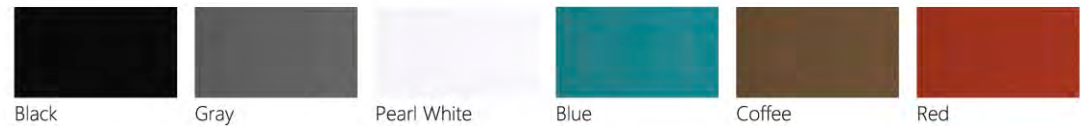
OBSTACLE REBOUND SYSTEM

The system supports obstacle rebound system. When the system is closing and the airbag encounters an object, the system immediately stops operation, then runs in the direction of opening until the door body runs to the top and stops.

PHOTOELECTRIC SAFETY SYSTEM

The photoelectric (parallel light beam) safety protection photocell has two opposing photocells on both sides of the door frame. When there is an object below the door body, the door remains open. When the door body descends and there is an object passing below, the door body will automatically open to the highest position.

DOOR PANEL SURFACE COLOR IS AVAILABLE



Door Opener Motor



The Insulation Frame

The insulation frame effectively improves the insulation of the perspective sliding garage door.

The insulation frame profile of the perspective sliding garage door is installed between the door frame and the wall, forming a thermal bridge between the two, isolating heat conduction, and maximizing the insulation, increasing up to 15%.

Double-layer sealing strips can improve the sealing between the door and the wall, greatly reducing heat loss.

Main functions of the door opener motor

- Adjustable opening and closing speed
- Self-monitoring and automatic shutdown in case of obstacle rebound
- Support for smartphone-controlled intelligent door control system
- Quick emergency disengagement
- Low voltage/overload/overheat self-protection
- Remote control self-learning
- Maintenance reminder
- Public place safety (multiple users)
- Ventilation function
- Counting function
- Built-in WiFi function
- Bluetooth APP control (controllable up to 50 meters away)

Technical parameters

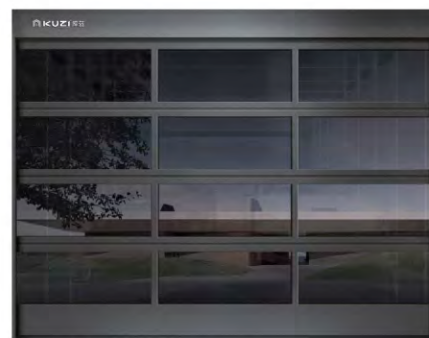
	600N	800N	1000N	1200N	1500N	1800N
Garage door size	<8m ²	<10m ²	<12m ²	<14m ²	<18m ²	<20m ²
Transformer	60W	80W	100W	120W	150W	200W
Motor	24V/6N·m	24V/7N·m	24V/8N·m	24V/8N·m	24V/8N·m	24V/8N·m
Rated voltage	AC 230V or 110V 50/60HZ					
Rated current	2.5A	3.3A	4.1A	5A	6.25A	8.33A
Remote control	Fix / Rolling code , 433.92 / 868 MHz,30 meter transmit, Receiver storage:20PCS					
Speed (no load)	Standard 12-15cm/Sec. Quicker:17-22cm/Sec					
Safety protection	EU Standard of obstacle reverse					
Operating temperature	-20°C± 50°C					
Optional functions	Push Button , Flashing light , Backup battery , Photo beam , Pass door ect.					
Control mode	RF or BLE					



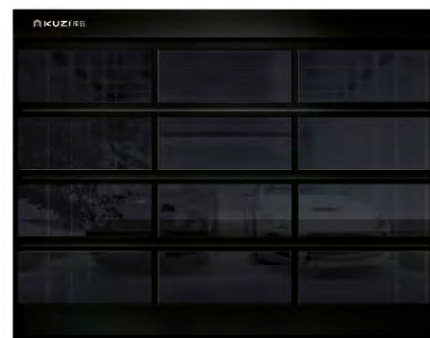


Dynamic and aesthetic enjoyment, enhancing the sense of spiritual belonging for high-end customers.

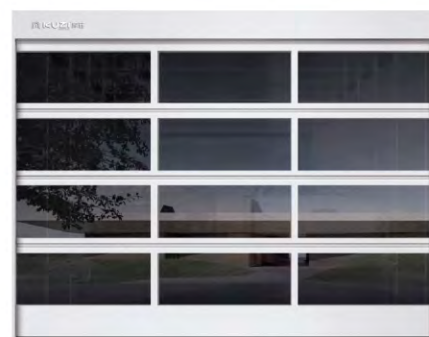
Flexible and lightweight electric perspective sliding garage door, the door leaf opens vertically upwards. It saves more space inside and outside the garage for you and increases space utilization. The sinking bottom seal and bottom frame can make the door body have good sound insulation and thermal insulation.



Semi-transparent · Gray



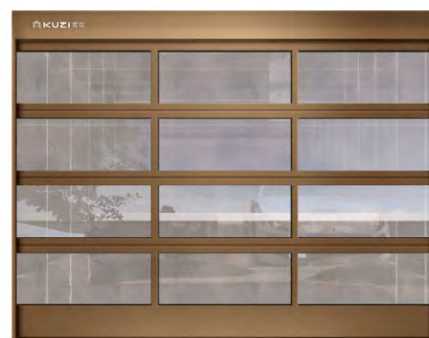
Semi-transparent · Black



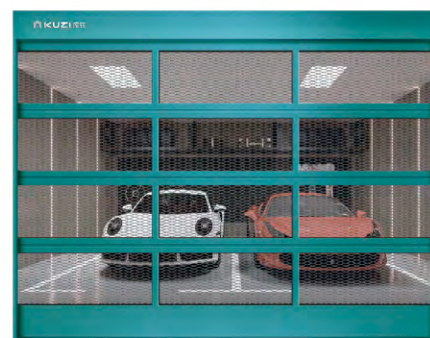
Semi-transparent · Pearl White



Fully transparent · Red



Frosted · Coffee



Steel mesh · Blue

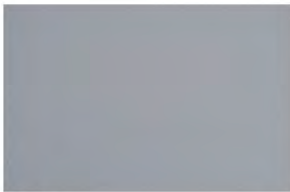


GRASP THE PRESENT
AND MEET THE FUTURE

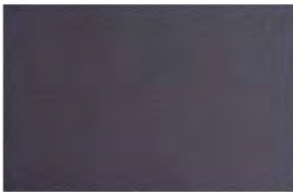
KUZI perspective sliding garage door is equipped with remote control opening function, one-key opening, automatic delayed closing, enjoy comfort. The Internet app's intelligent control system can seamlessly connect with your smart home devices, allowing you to easily remotely control the garage door and open it.

DOOR PANEL SURFACE COLOR IS AVAILABLE

KUZI combines traditional craftsmanship, technical research, and continuous innovation to create original products with attention to every detail, offering unique, practical, and sustainable solutions for garage doors.



White



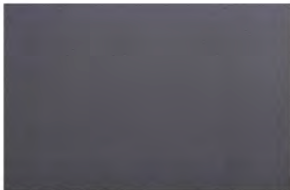
Brownish Silver



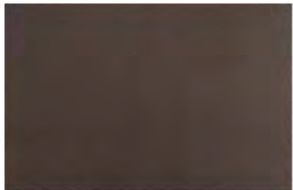
Coffee



Space Grey



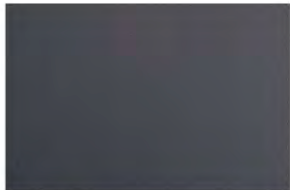
Graphite Grey



Stained Brown



Silver Grey



Dark Grey



Black



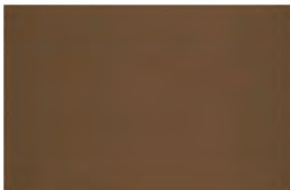
Gray



Pearl White



Blue



Coffee



Red

TRANSPARENT DOOR PANEL COLORS OPTIONAL

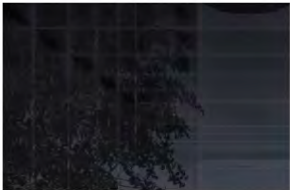
KUZI presents a variety of unique transparent door panel designs, creating avant-garde artistic ideas with rich colors, and creating an elegant and personalized artistic creation road for garage doors.



Frosted



Steel mesh



Semi-transparent



Fully transparent