

STORO

# SYSTEMATIC WINDOWS AND DOORS

CONSTANTLY FOLLOW DEMANDS TO ACHIEVE PERFECTION

**Energy Saving<sup>+</sup>**

— European energy saving system solution

**MAX panorama<sup>+</sup>**

— American Landscape System Solution

**panorama<sup>+</sup>**

— American Landscape System Solution

STORO



STORO was born in Storo village under the Alps in northern Italy. The area around the village is characterized by the presence of many processing and production factories manufacturing traditional hardware and auxiliary accessories for windows and doors: they are the first to define the groove standard for aluminum windows and doors.

In 2018, to commemorate past contributions of the village to the world's aluminum windows and doors industry, STORO window and door systems officially entered China, set up its operation center in Shenzhen (China) and established a window and door system design studio in Italy. Professional R&D engineers of the industry were formed to develop windows and doors systems in the Chinese regions: Italian design innovation, supply chain integration advantages, and also Italy's system solution experience based on national standards are all fully expressed by STORO through the production of windows and doors systems. Designing and promoting unique high-performance windows and door systems suitable for local regions, while considering climate conditions and human environments, is the end goal of our R&D team: it is also important to ensure that the overall implementation of the systems is well executed for providing better products and services to local regional window and door enterprises and users.

Today, STORO is a comprehensive provider of aluminium window and door system. STORO has more than 100 patents and is certified by Intertek and BMT authority in the United States where it won the "China Window and Door Curtain Wall Supreme Award"; currently, the company has more than 120 people ranging from system R&D engineers, systems and process optimization engineers to professional technical support service team and business services staff.

# SYSTEM INTRODUCTION



STORO not only provides windows and doors systems solutions for customers, but also offers systematic services, such as: quality management for production processes, warehouse information management, order delivery and installation management; With the final purpose of cultivating quality support talents for customers.

Systematic design:

We have professional system door and window design engineers to design and develop system doors and windows; based on more than ten years of knowledge of the needs of China's regional door and window customers and end-user consumer demand research, system design based on cognition and understanding The program is theoretically verified;

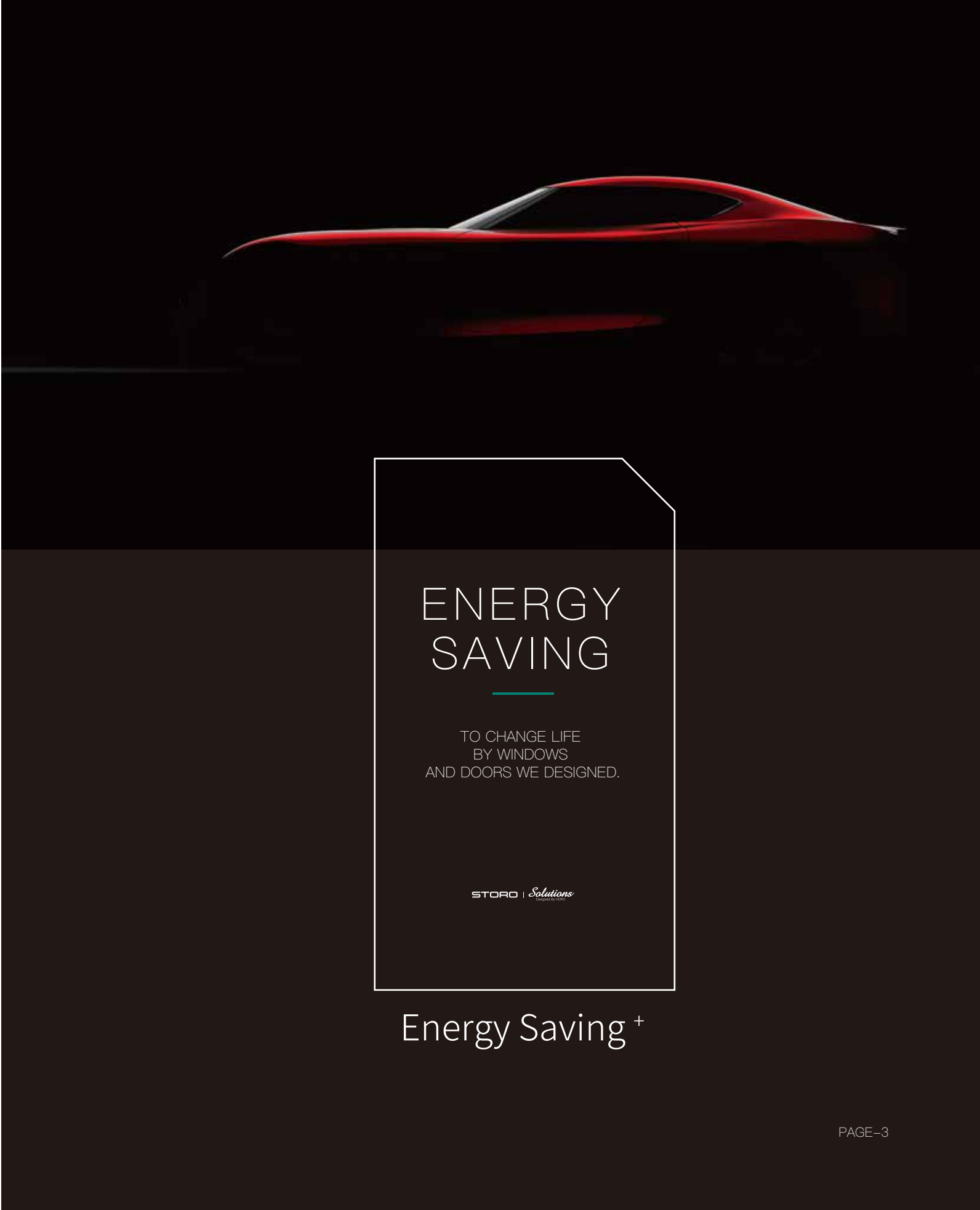
Theoretical verification:

After the theoretical verification scheme is feasible, we will maximize the understanding and R&D strength of our hardware system and auxiliary function system, and carry out system supporting research and development; integrate the upstream and downstream quality supply chain to verify the system plan. Feasibility to ensure the quality of products from processing to installation to home;

Practical verification:

Production of sample windows for related performance indicators; tracking and testing of actual production and processing, product sales to installation and home; based on the standard requirements of system doors and windows, dismissing unqualified plans, improving design or redesign.

Door and window system whole case provider  
SUPPLIER OF COMPLETE SYSTEM SOLUTIONS  
FOR WINDOWS AND DOORS.



## ENERGY SAVING

TO CHANGE LIFE  
BY WINDOWS  
AND DOORS WE DESIGNED.

STORO | *Solutions*

Energy Saving <sup>+</sup>

# SAFETY GUARDIAN HEALTH

HOME GUARD

Energy Saving



## Sealing performance

Water tightness, air tightness,  
Strong winds resistance, heavy rains, sand and dust,  
Create warm ambient,  
Comfortable living space.



## Insulation performance

Multi-cavity structure and low thermal conductivity material,  
Excellent thermal insulation performance,  
Energy saving up to 70%.



## Wind Load Resistance

Wind pressure resistance reaches level 9,  
High strength-compressive properties,  
Resistant to severe natural disasters.



## Energy saving and environmental protection

The aluminum alloy profile thermally broken uses new thermal insulation materials.  
The energy saving and environmental protection performance is excellent,  
and the comprehensive performance of heat insulation,  
heat preservation and waterproofing complies with  
the highest level of quality in the domestic and  
foreign window and door system industry.



## Sound insulation performance

The multi-cavity structure is sealed with multiple gaskets,  
and the sound insulation is as high as 36dB, which can  
ensure tranquility and comfort even in the busy city.



## Secure and anti-theft

High-quality hardware, anti-theft design, safety protection,  
Protect your home

6 product performance advantages-Safeguarding family health



# THERMAL BREAK BAR

Essential heat insulation strips for door and window

Effectively block heat conduction to enhance heat preservation and insulation

Excellent weather resistance and corrosion resistance

Effectively block the air and water leakage from the inside and outside.

Offer function of sound insulation and water blocking

Use the principle of pressure balance to drain water through the drain hole



Leading window and door insulation strips,Effectively block heat conduction, so as to achieve the effect of heat insulation;The rubber strip has good weather resistance and corrosion resistance.The sealing rubber strip effectively blocks the air flow between indoor and outdoor.It plays a role of sound insulation and water blocking.Water is drained through the drainage holes using the principle of pressure balance.



## ***HIGH PERMEABILITY MESH***

Easy to process and cut, reduce manpower loss  
Long lifespan, corrosion resistant (coastal. Invisible HD, anti-mosquito and insect-proof)  
High-definition field of view: clear visibility from indoor to outdoor.

# 304

## ***STAINLESS STEEL***

Effectively defends from mosquitoes nuisance  
At the same time, it does not hinder the circulation of air and has a certain anti-theft ability.

• Anti-theft diamond mesh



## *FLUSH FRAME & SASH DESIGN*

When the window is closed, the design of the frame and sash on the same plane is not only simple and beautiful, but also enhances considerably the air tightness and windproof performance.



## *WINDSHIELD DRAIN COVER*

Exposed drain cover causes wind and whistle sound  
Easily get clogged with dirt  
Two-layer separation structure of windshield cover  
Very good solution to wind whistle and dirt clogging problems

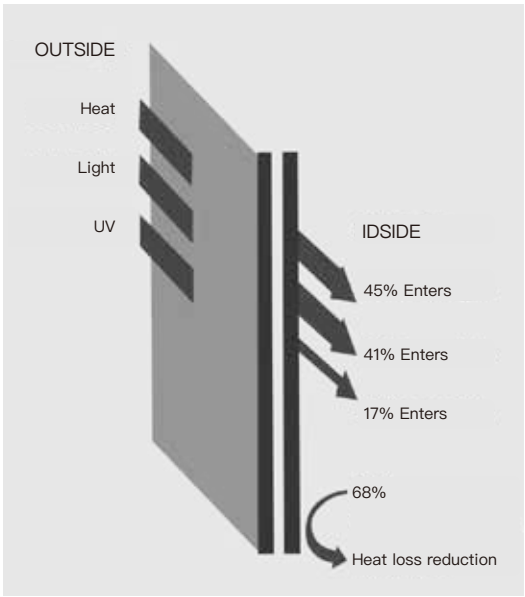
# GLUE INJECTION PROCESS

Glue injection process through the special rivet is used to connect the corner between frame and sash, to ensure the strength of the product structure, and enhance the performance of stability, sealing and waterproof capacity.



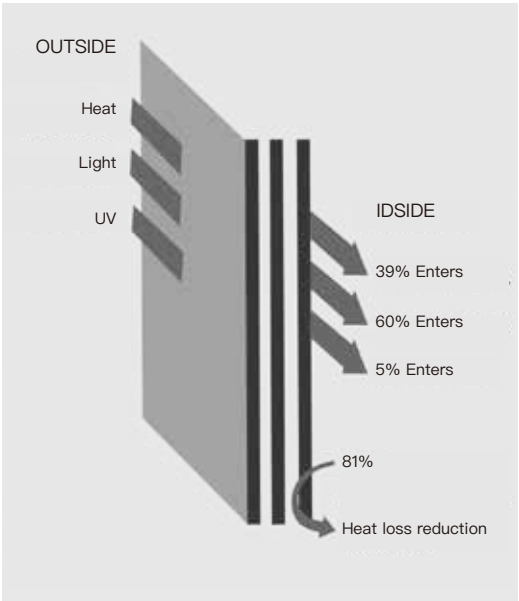
# CLEAR GLASS AND LOW-E GLASS

5mm high-transparency glass+12mm insulating layer  
gas+5mm coated LOW-E glass.  
The argon gas in the internal space enhances considerably  
the thermal insulation performance.



# CLEAR GLASS AND LOW-E GLASS

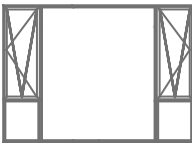
5mm high-transparency glass + 12mm insulating layer gas +  
5mm high-transparency glass +12mm insulating layer gas +  
5mm coated LOW-E glass.  
This IGU (Insulating Glass) is currently the best solution in  
terms of insulation glass, and can also be used in extreme  
weather conditions.





***TILT-TURN  
WINDOW***





# 65 TILT-TURN WINDOW

## Specification

<div> Air tightness AW class (AAMA standard)</div>	<div> Water tightness (Pa) AW class 680Pa (AAMA standard)</div>	<div> Wind load resistance (KPa) AW class (AAMA standard)</div>
<div> Heat-insulating performance (W/m²·K) 6 class (GBT8478 standard)</div>		<div> Sound-proof (dB) 4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 100kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 47	Frame: 65	5+20A+5	24
	Mullion: 36		Sash: 75		

## Style

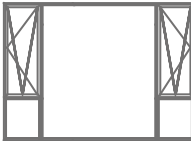
Fixed sash/ Corner-free/ Curtain wall  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional  
Tilt-turn window



- ◎ The frame, mullion and sash are designed with rectangular cavity design, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass covers are designed with rectangular cavity, which is not easy to deform and very solid.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The fixed glass has middle sealing structure which can prevent rain issues and allows higher performance of the air tightness, water tightness, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.







# 75 TILT-TURN WINDOW

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 680Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 100kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 47	Frame: 76.3	5+12A+5+12A+5	35.3
	Mullion: 36		Sash: 86.3		

## Style

Fixed sash/ Corner-free/ Curtain wall  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional  
Tilt-turn window



- ◎ The frame, mullion and sash are designed with rectangular cavity design, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
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- ◎ The fixed glass has middle sealing structure which can prevent rain issues and allows higher performance of the air tightness, water tightness, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.

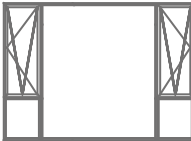






**CASEMENT  
WINDOW  
WITH SAFETY  
SCREEN  
SASH**





# 88 CASEMENT WINDOW WITH SAFETY SCREEN SASH

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 680Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

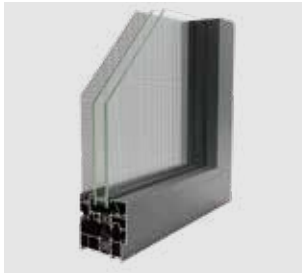
Max. SW: 100kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 47	Frame: 88.8	5+20A+5	24
	Mullion: 36	Transfer frame	Sash: 75		
Mosquito Sash	Sash: 33.1		Sash: 21.8		

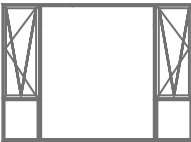
## Style

Fixed sash/ Corner-free/ Curtain wall  
Built-in (inward opening) safety mosquito sash



- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass covers are designed with rectangular cavities which make the structure not easy to deform and very solid.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The fixed glass has middle sealing structure which can prevent rain issues and allows higher performance of the air tightness, water tightness, wind pressure.
- ◎ Concealed drainage frame and mullion design options are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.





# 118 CASEMENT WINDOW WITH SAFETY SCREEN SASH

## Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 680Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 100kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 47	Frame: 118	5+20A+5	24
	Mullion: 36	Transfer frame	Sash: 75		
Mosquito Sash	Sash: 28		Sash: 33		

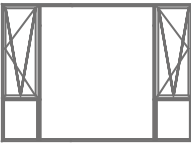
## Style

Fixed sash/Corner-free/ Curtain wall  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- ⊗ Inward opening window, with two options for the in and out opening mosquito sash.
- ⊗ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ⊗ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ⊗ The glass covers are on the indoor side to prevent dangers during installation.
- ⊗ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ⊗ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ⊗ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ⊗ Concealed drainage frame and mullion design are available.
- ⊗ Different mullion design options can meet different heights and strengths requirements.





# 128 CASEMENT WINDOW WITH SAFETY SCREEN SASH

## Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 680Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 100kg

## Technical Parameters

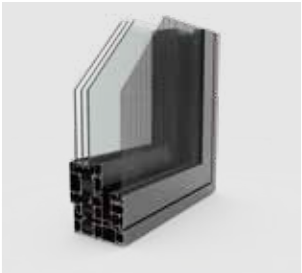
Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 47	Frame: 129.3	5+12A+5+12A+5	35.3
	Mullion: 36	Transfer frame	Sash: 86.3		
Mosquito Sash	Sash: 28		Sash: 33		

## Style

Fixed sash/ Corner-free/ Curtain wall

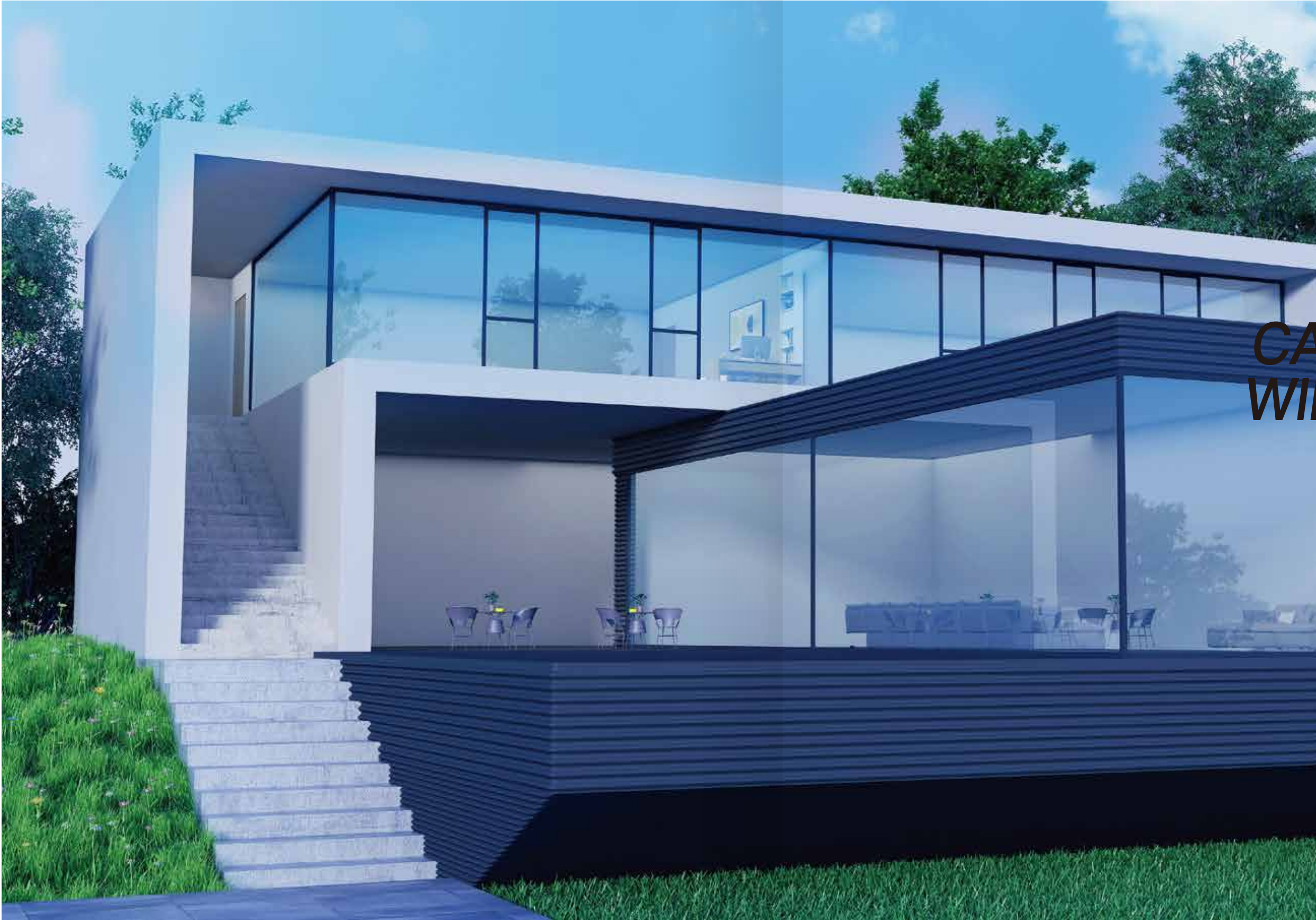
Built-in (inward opening) safety mosquito sash

Built-in (inward opening) high transparency mosquito sash



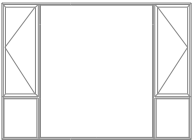
- ◎ Inward opening window, with two options for the in and out opening mosquito sash.
- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.





# CASEMENT WINDOW





# 65 CASEMENT WINDOW

## Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 720Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 36	Frame: 65	5+20A+5	24
	Mullion: 36	Transfer frame: 54.5	Sash: 75		

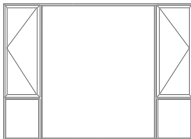
## Style

Fixed sash/ Corner-free/ Curtain wall  
Outward opening window  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional






- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The sealing structure of the transfer profile has waterproof capacity.
- ◎ Indoor installation outward opening sash can be executed from the indoor with transfer frame together, avoiding dangers from outdoor installation.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.





# 75 CASEMENT WINDOW

Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 36	Frame: 76.3	5+12A+5+12A+5	35.3
	Mullion: 36	Transfer frame: 54.5	Sash: 86.3		

Style

Fixed sash/ Corner-free/ Curtain wall  
Outward opening window  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional



- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ Three-layer sealing structure for outward opening windows offers higher performance (air tightness, water tightness, wind pressure) than double-sealed outward opening windows
- The sealing structure of the transfer profile has waterproof capacity.
- ◎ Indoor installation outward opening sash can be executed from the indoor with transfer frame together, avoiding dangers from outdoor installation.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.

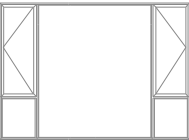






**CASEMENT  
WINDOW  
WITH SAFETY  
SCREEN  
SASH**





# 88 CASEMENT WINDOW WITH SAFETY SCREEN SASH

### Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

### Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

### Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 29	Sash: 47	Frame: 88.8	5+20A+5	14.8
	Mullion: 29	Transfer frame: 54.5	Sash: 65.8		
Mosquito Sash	Sash: 60.3		Sash: 31.3		

### Style

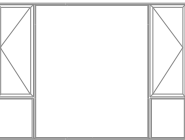
Fixed sash/ Corner-free/ Curtain wall  
Outward opening window  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
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- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The sealing structure of the transfer profile has waterproof capacity.
- ◎ Indoor installation outward opening sash can be executed from the indoor with transfer frame together, avoiding dangers from outdoor installation.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.







118 CASEMENT WINDOW  
WITH SAFETY SCREEN SASH

Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 720Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

Technical Parameters

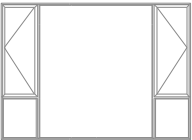
Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 29	Sash: 36	Frame: 118	5+20A+5	Frame: 24mm Sash: 14.8mm
	Mullion: 29	Transfer frame: 59.6	Sash: 65.8		
Mosquito Sash	Sash: 60.3		Sash: 31.3		

Style

Fixed sash/ Corner-free/ Curtain wall  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash





- ◎ The mosquito sash and frame in the same level enhance the surface visible appearance.
- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ Three-layer sealing structure for outward opening windows offers higher performance (air tightness, water tightness, wind pressure) than double-sealed outward opening windows
- The sealing structure of the transfer profile has waterproof capacity.
- ◎ Indoor installation outward opening sash can be executed from the indoor with transfer frame together, avoiding dangers from outdoor installation.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.



# 128 CASEMENT WINDOW WITH SAFETY SCREEN SASH

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m <sup>2</sup> ·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

## Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

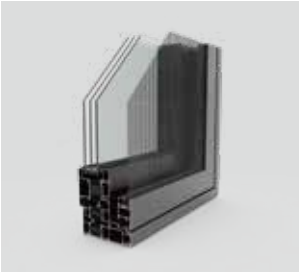
Max. SW: 60kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 29	Sash: 36	Frame: 129.3	5+12A+5+12A+5	35.3
	Mullion: 29	Transfer frame: 54.5	Sash: 86.3		
Mosquito Sash	Sash: 60.3		Sash: 31.3		

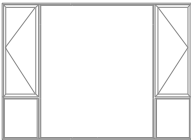
## Style

Fixed sash/ Corner-free/ Curtain wall  
Outward opening window  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash






- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.





# 138 CASEMENT WINDOW WITH SAFETY SCREEN SASH

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

## Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

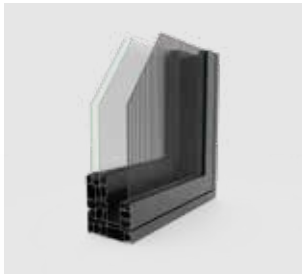
Max. SW: 60kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 29	Sash: 36	Frame: 138	5+20A+5	Frame: 24mm Sash: 14.8mm
	Mullion: 29	Transfer frame: 59.6	Sash: 65.8		
Mosquito Sash	Sash: 60.3		Sash: 31.3		

## Style

Fixed sash/ Corner-free/ Curtain wall  
Outward opening window  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- ◎ The mosquito sash and frame in the same level enhance the surface visible appearance.
- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ Three-layer sealing structure for outward opening windows offers higher performance (air tightness, water tightness, wind pressure) than double-sealed outward opening windows
- ◎ The sealing structure of the transfer profile has waterproof capacity.
- ◎ Indoor installation outward opening sash can be executed from the indoor with transfer frame together, avoiding dangers from outdoor installation.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure.
- ◎ Concealed drainage frame and mullion design are available.
- ◎ Different mullion design options can meet different heights and strengths requirements.



A modern two-story house at dusk. The house has a minimalist design with large windows and a prominent vertical glass feature on the upper floor. The interior lights are on, and the sky is a deep blue. The house is surrounded by greenery and a lawn.


# CASEMENT DOOR





# 65 CASEMENT DOOR

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)		Sound-proof (dB)  4 class (GBT8478 standard)

## Specification (opening sash)

SW: 1000mm  
SH: 2600mm  
Max. SW: 120kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 36	Frame: 65	5+20A+5	24
	Mullion: 36		Sash: 75		




- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The sealing structure of the transfer profile has waterproof capacity.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure
- ◎ Concealed drainage frame and mullion design are available.
- ◎ The door system is designed with low threshold structure (20mm) and no-threshold structure design, both of which are sealed by gaskets, with good sealing performance, to prevent air leakage at the bottom of the door.
- ◎ Different mullion design options can meet different heights and strengths requirements.





# 75 CASEMENT DOOR

Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 720Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

Specification (opening sash)

SW: 1000mm

SH: 2600mm

Max. SW: 120kg

Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Frame: 36	Sash: 36	Frame: 76.3	5+12A+5+12A+5	35.3
	Mullion: 36		Sash: 86.3		



- ◎ The frame, mullion and sash are all designed with rectangular cavities, glue injection corner cleats and glue injection connectors, making the structure very stable.
- ◎ It adopts Die casting aluminium corner cleats, which can be connect by screw or machine, suitable for different processing and equipment.
- ◎ The glass covers are on the indoor side to prevent dangers during installation.
- ◎ The glass cover has rectangular cavities which make it solid and not easy to deform.
- ◎ The structure is designed for complete sealing through gaskets, and allows outdoor glass assembly by use of glue, and let choose different sealing methods according to operating habits.
- ◎ The sealing structure of the transfer profile has waterproof capacity.
- ◎ The fixed glass has middle sealing structure which can prevent rain issue and have the higher performance of the airtight, watertight, wind pressure
- ◎ Concealed drainage frame and mullion design are available.
- ◎ The door system is designed with low threshold structure (20mm) and no-threshold structure design, both of which are sealed by gaskets, with good sealing performance, to prevent air leakage at the bottom of the door.
- ◎ Different mullion design options can meet different heights and strengths requirements.



MAX Panorama<sup>+</sup>

PANORAMA  
SYSTEM

TO CHANGE LIFE  
BY WINDOWS AND DOORS WE DESIGNED.

STORO



Big view • Big future • Big territory • Big difference

MAX Panorama+ system



Safety



Heat insulating



Sound insulation



Wind load resistance



Environmental protection



Sealing



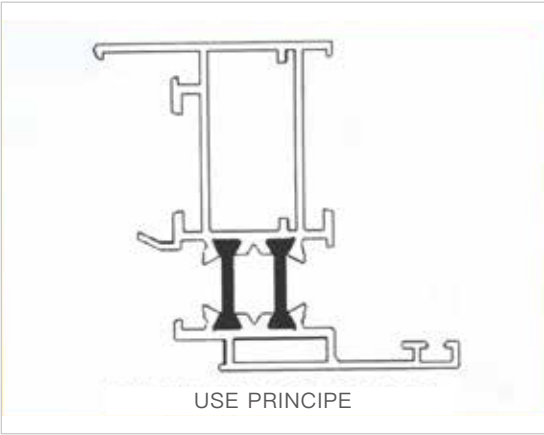
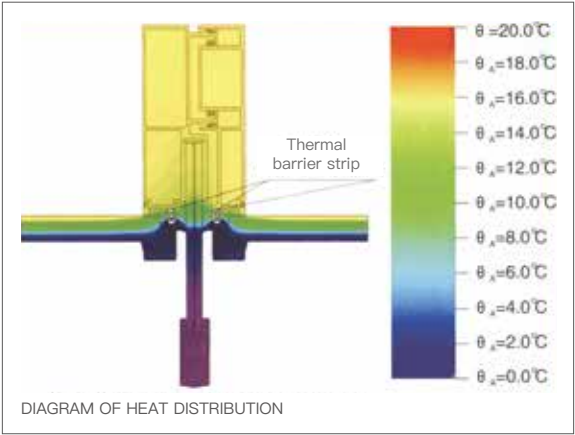
In the real architectural scene  
how is the Panorama system displayed?

It is perceived as an excellent piece of design which take into full consideration each single step of its creation: materials, craftsmanship and production; can offer the widest view of the outdoor scenery, and the visible profile of the profile is extremely narrow; It reflects the overall beauty of the building design.

As a part of the architectural edifice, the visual effects of the doors and windows are simple and full of style, giving a wide scenery experience.

MAX Panorama+ system





# TECHNICAL ANALYSIS CHART

- Inspection of the thermal break bar dimensional accuracy for customers based on the national standard GB/T23615.1-2009.
- Detection and analysis of the thermal break bar internal structure for customers based on the national standard GB/T23615.1-2009.
- Detection of the thermal break bar density by electronic weighing instrument based on the national standard GB/T23615.1-2009.
- Testing the thermal break bar physical performance based on the national standard CB/T23615.1-2009. Thermal-aging test for 1000 hours.

# SYSTEM HARDWARE

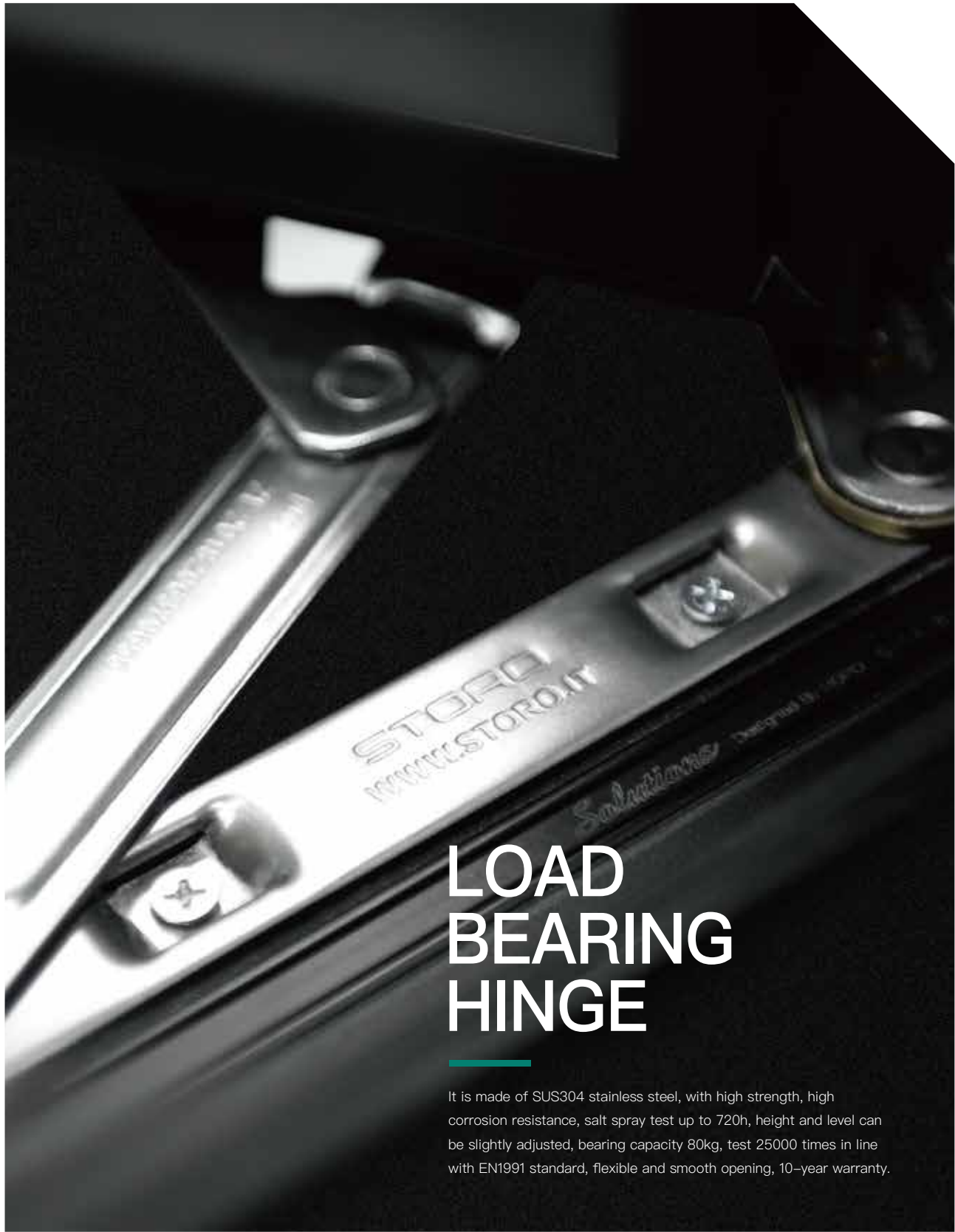
The system adopts a complete set of hardware relying on unique design and excellent feel; hardware interaction with frame and sash is enhanced allowing longer lifespan, easier operation of the whole system.



# SECURITY LOCK

Made of strong anti-theft locking pin and locking plate to prevent the anti-prying; the shielded locking pin around the sash reaches the Class A anti-theft standard.





# LOAD BEARING HINGE

It is made of SUS304 stainless steel, with high strength, high corrosion resistance, salt spray test up to 720h, height and level can be slightly adjusted, bearing capacity 80kg, test 25000 times in line with EN1991 standard, flexible and smooth opening, 10-year warranty.



# INJECTION MOLDING PROCESS

Adopt injection production process standard, pin fixed injection corner  
code connector, dual enhancement of integrity and water tightness, stable  
angle combination and water blocking of cavity.



# SEAMLESS STITCHING

Industry-leading technology, strict process standards,  
concentrating on developing refined product technology, using  
material cross-section impermeable glue, bicomponent  
structural glue to ensure that the corners are not deformed,  
water-proof, and 45° perfect seamless assembly.



# SEAL RUBBER STRIP

Using EPDM foam sealing tape, 40 years lifespan, 15-year resilience rate 86%, ensures extreme quality to the sealing parts, overlapping volume, adhesive strip compression, heat preservation and insulation, and durable weather resistance.



# *WINDSHIELD DRAINAGE*

Adopting a new window plate structure and adding a double drainage design for the auxiliary frame. The outer frame is provided with a drainage port and a two-layer separation structure for the windshield cover. It is a good solution to block winds and whistles, effectively solves the problem of heavy wind and rainfall, and avoids mildew on the wall.



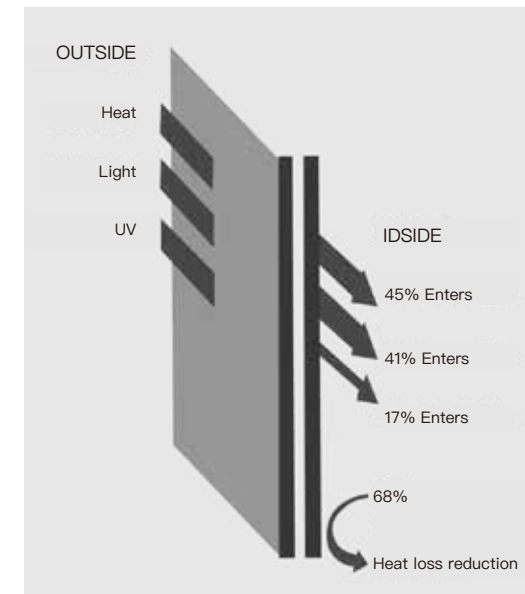
# TEMPERED INSULATING GLASS

Energy-saving three-layer sealing structure tempered insulating glass  
Can effectively block heat conduction, energy saving, sound insulation, anti – ultraviolet,  
anti – condensation and other effects  
Optional built-in sunshade glass (manual/automatic shutter)  
Energy-saving glass (low-radiation low-E glass, argon low-E insulating glass, warm edge spacer)  
Safety glass and other types of insulating glass to meet customer needs

## CLEAR GLASS AND LOW-E GLASS

5mm high-transparency glass+12mm insulating layer gas+5mm coated LOW-E glass.

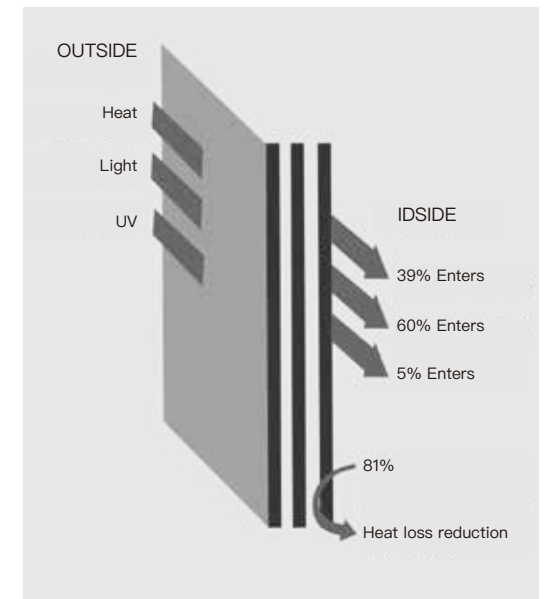
The argon gas in the internal space enhances considerably the thermal insulation performance.



## CLEAR GLASS AND LOW-E GLASS

5mm high-transparency glass + 12mm insulating layer gas + 5mm high-transparency glass +12mm insulating layer gas + 5mm coated LOW-E glass.

This IGU (Insulating Glass) is currently the best solution in terms of insulation glass, and can also be used in extreme weather conditions.



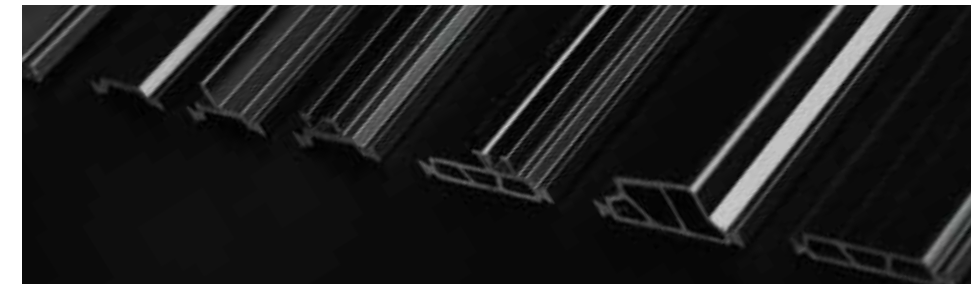




## ***SUPER SOUNDPROOF***

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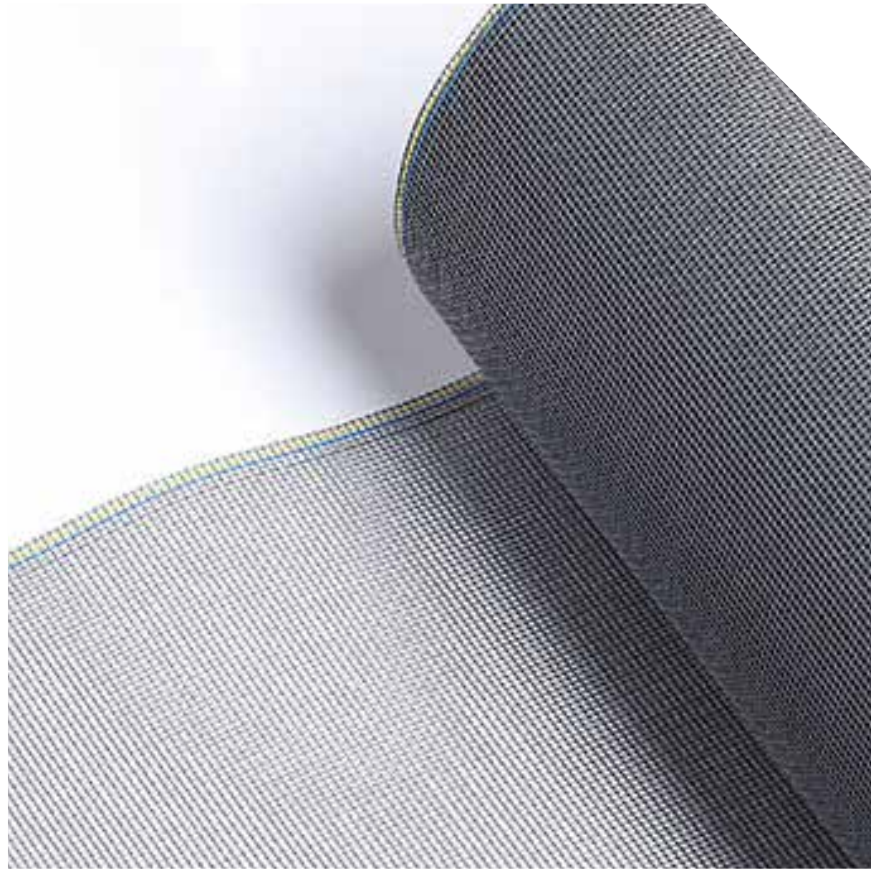
The use of super-sealed automotive grade 3C fully tempered insulating glass used on high-speed railways. The chamber can be equipped with laminated anti-theft glass. The glass with interlayer is not easy to break, and can have anti-theft function, explosion-proof and bullet-proof. The double chamber is more effective in terms of sound and heat insulation. Waterproof, anti-fog and anti-mildew.



## ***INSULATION STRIP***

---

Essential heat insulation strips for door and window  
Effectively block heat conduction to enhance heat preservation and insulation  
Excellent weather resistance and corrosion resistance  
Effectively block the air and water leakage from the inside and outside.  
Offer function of sound insulation and water blocking  
Use the principle of pressure balance to drain water through the drain hole



## HIGH-THROUGH GAUZE

Easy to process and cut, reduce manpower loss  
Long lifespan, corrosion resistant (coastal. Invisible HD,  
anti-mosquito and insect-proof)  
High-definition field of view: clear visibility from indoor to  
outdoor.

# 304

## STAINLESS STEEL

Effectively defends from mosquitoes nuisance  
At the same time, it does not hinder the circulation of air and has a certain  
anti-theft ability.

• Anti-theft diamond mesh



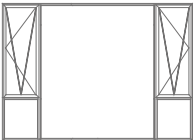









# *TILT- TURN WINDOWS*





## 75 TILT-TURN WINDOW

### Specification

<div>Air tightness</div> <div></div> <div>AW class</div> <div>(AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 575Pa</div> <div>(AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class</div> <div>(AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class</div> <div>(GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class</div> <div>(GBT8478 standard)</div>

### Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 80kg

### Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 27	Mullion: 27	Frame: 75	5+20A+5	Frame: 24mm Sash: 18mm
	Bottom frame: 27	Side frame: 50	Sash: 84.5		

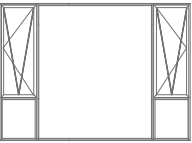
### Style

Fixed sash/ Corner-free/ Curtain wall  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional  
Tilt-turn



- ⦿ No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- ⦿ Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- ⦿ Connecting structures are sealed with structural glue, ensuring strength and safety.
- ⦿ Sealing gasket is combined EPDM with foam to achieve better sealing effect.





# 85 TILT-TURN WINDOW

## Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 575Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

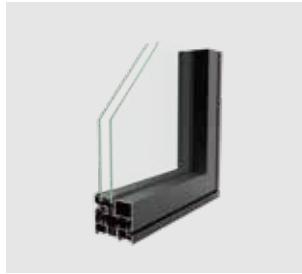
Max. SW: 80kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 15.5	Mullion: 15.5	Frame: 85	5+20A+5	Frame: 24mm Sash: 18mm
	Bottom frame: 15.5	TSide frame: 50	Sash: 84.5		

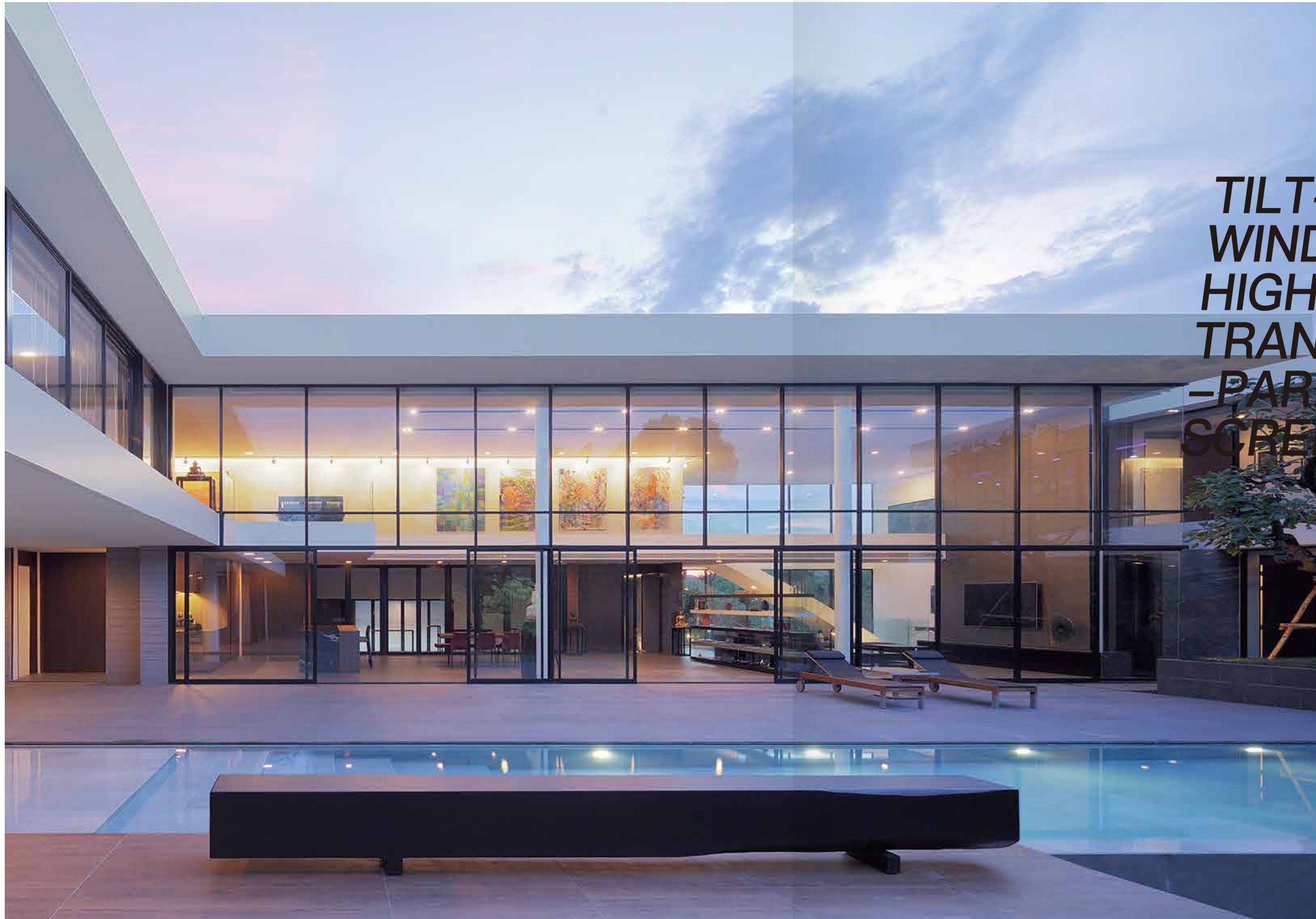
## Style

Fixed sash/ Corner-free/ Curtain wall  
Tilt-turn window

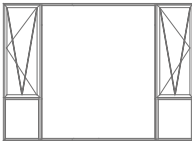


- ◎ No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- ◎ Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- ◎ Connecting structures are sealed with structural glue, ensuring strength and safety.
- ◎ Sealing gasket is combined EPDM with foam to achieve better sealing effect.





**TILT-TURN  
WINDOWS WITH  
HIGH  
TRANS-  
-PARENCY  
SCREEN**



# 118 TILT-TURN WINDOWS WITH HIGH TRANSPARENCY SCREEN

## Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 575Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

## Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

Max. SW: 80kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 27	Mullion: 27	Frame: 118	5+20A+5	Frame: 24mm Sash: 18mm
	Bottom frame: 27	Side frame: 50	Sash: 84.5		

## Style

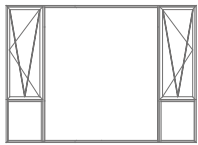
Fixed sash/ Corner-free/ Curtain wall  
Tilt turn window  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- ◎ No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- ◎ Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- ◎ Connecting structures are sealed with structural glue, ensuring strength and safety.
- ◎ Sealing gasket is combined EPDM with foam to achieve better sealing effect.







128 TILT-TURN WINDOWS WITH  
HIGH TRANSPARENCY  
SCREEN

Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 575Pa (AAMA standard)</div>	<div>Wind load resistance (kPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

Specification (opening sash)

SW: 400-950mm

SH: 400-1900mm

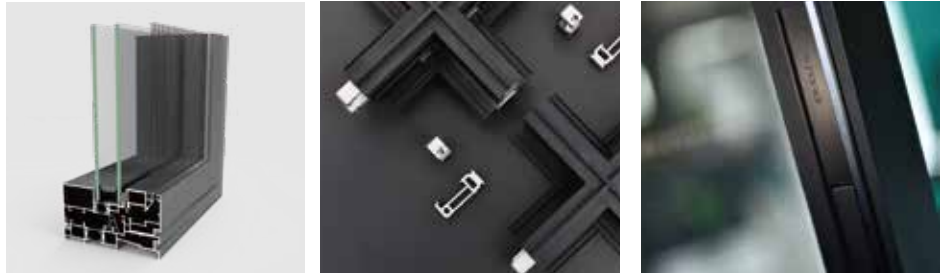
Max. SW: 80kg

Technical Parameters

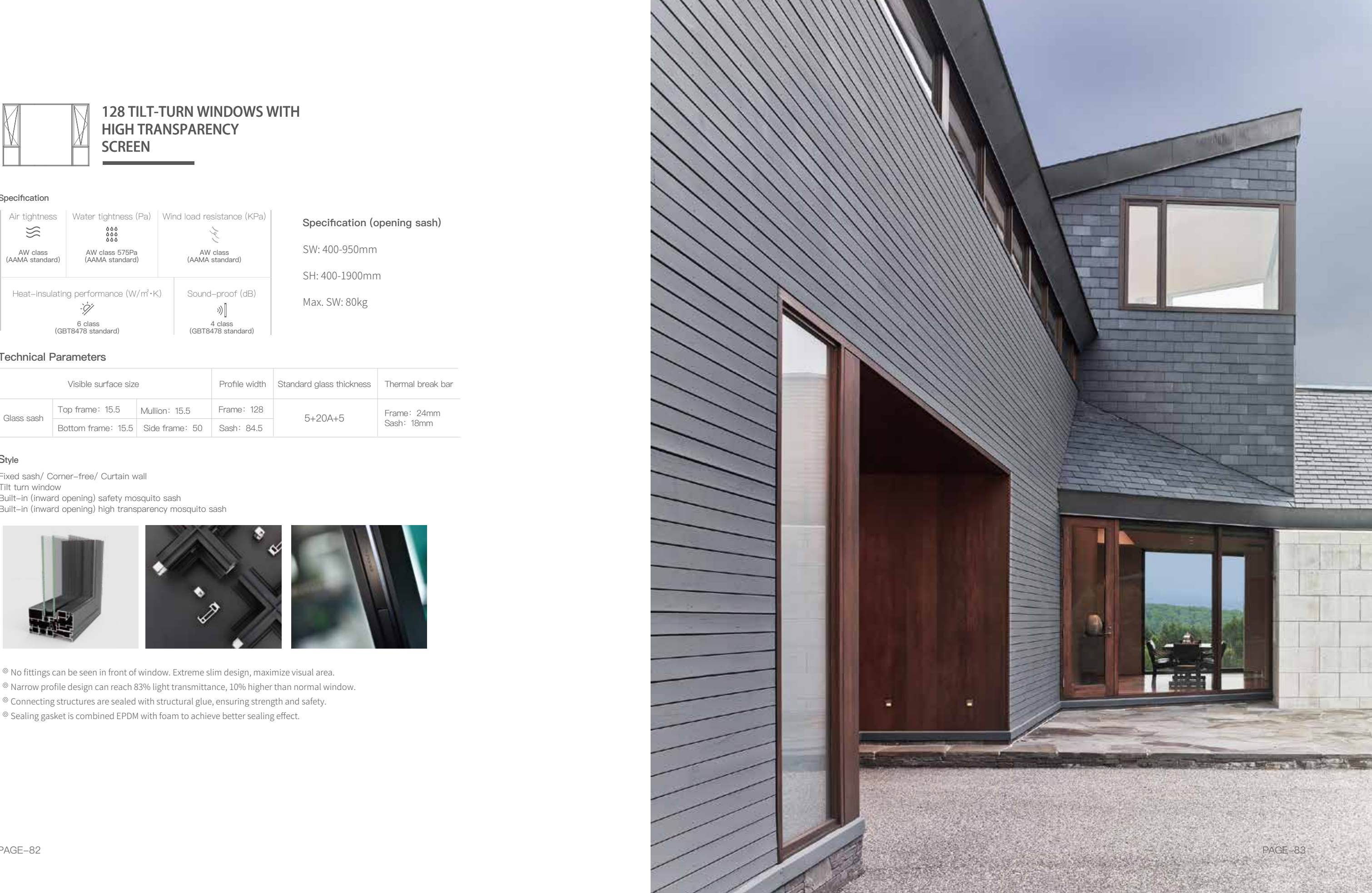
Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 15.5	Mullion: 15.5	Frame: 128	5+20A+5	Frame: 24mm Sash: 18mm
	Bottom frame: 15.5	Side frame: 50	Sash: 84.5		

Style

Fixed sash/ Corner-free/ Curtain wall  
Tilt turn window  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- Ⓢ No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- Ⓢ Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- Ⓢ Connecting structures are sealed with structural glue, ensuring strength and safety.
- Ⓢ Sealing gasket is combined EPDM with foam to achieve better sealing effect.

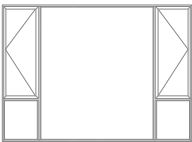






***CASEMENT  
WINDOW***





# 75 OUTWARD OPENING WINDOW

### Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 720Pa (AAMA standard)</div>	<div>Wind load resistance (kPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>

### Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

### Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 73	Mullion: 73	Frame: 75	5+20A+5	Frame: 24 Sash: 14.8
	Bottom frame: 73	Side frame: 17	Sash:84		

### Style

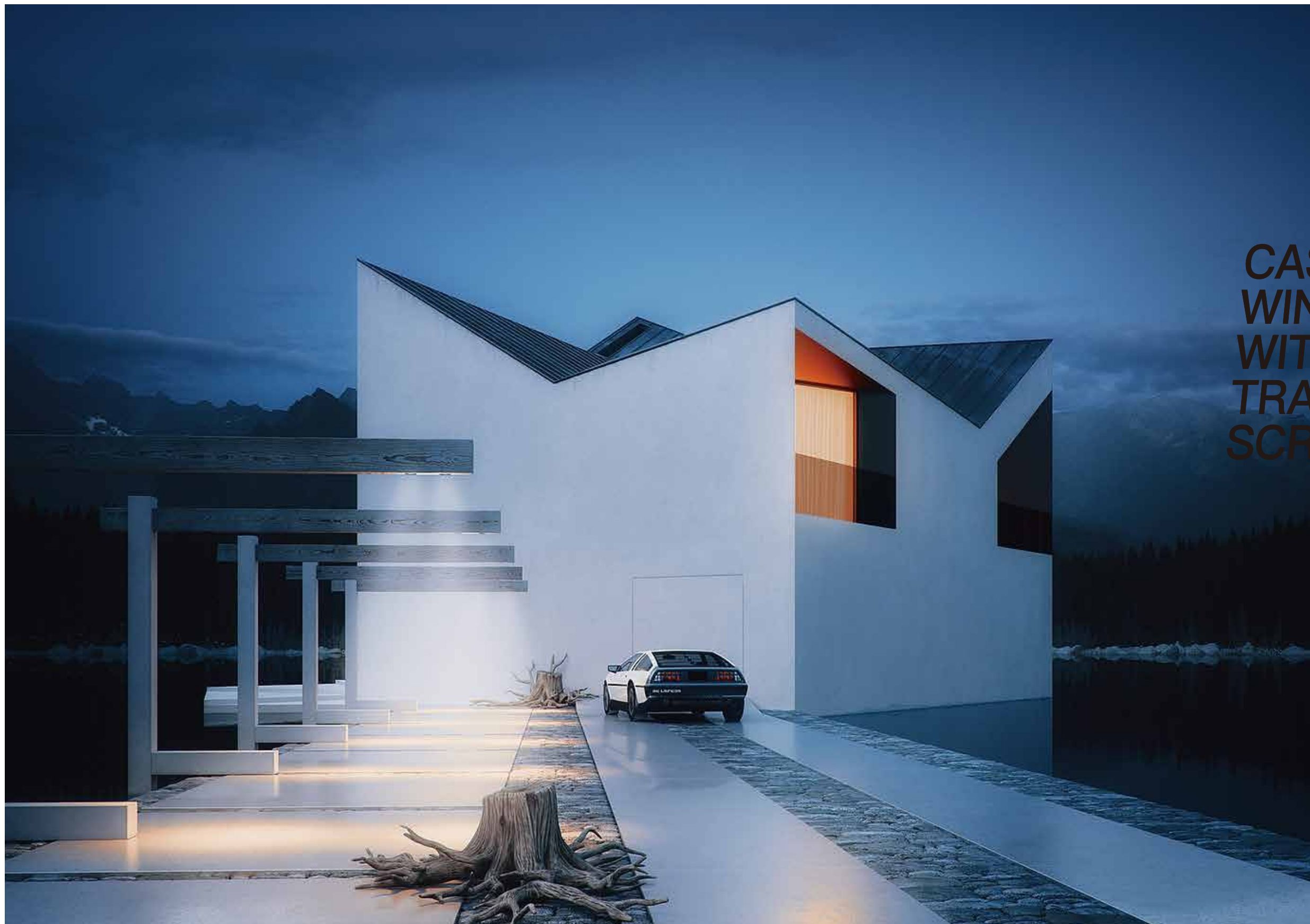
Fixed sash/ Corner-free/ Curtain wall  
Outward opening  
Safety mosquito sash (inward opening) is optional  
High transparency mosquito sash (inward opening) is optional



- ◎ No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- ◎ Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- ◎ Connecting structures are sealed with structural glue, ensuring strength and safety.
- ◎ Sealing gasket is combined EPDM with foam to achieve better sealing effect.

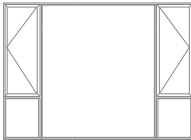






# CASEMENT WINDOW WITH HIGH TRANSPARENCY SCREEN





# 118 OUTWARD OPENING WINDOW WITH HIGH TRANSPARENCY SCREEN

### Specification

<div>Air tightness</div> <div></div> <div>AW class (AAMA standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>AW class 720Pa (AAMA standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>AW class (AAMA standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>6 class (GBT8478 standard)</div>	<div>Sound-proof (dB)</div> <div></div> <div>4 class (GBT8478 standard)</div>	

### Specification (opening sash)

SW: 400-800mm

SH: 400-1900mm

Max. SW: 60kg

### Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 78	Mullion: 78	Frame: 118	5+20A+5	Frame: 24 Sash: 10
	Bottom frame: 78	Side frame: 17	Sash: 75		

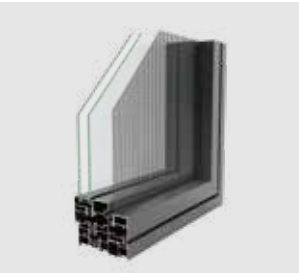
### Style

Fixed sash/ Corner-free/ Curtain wall

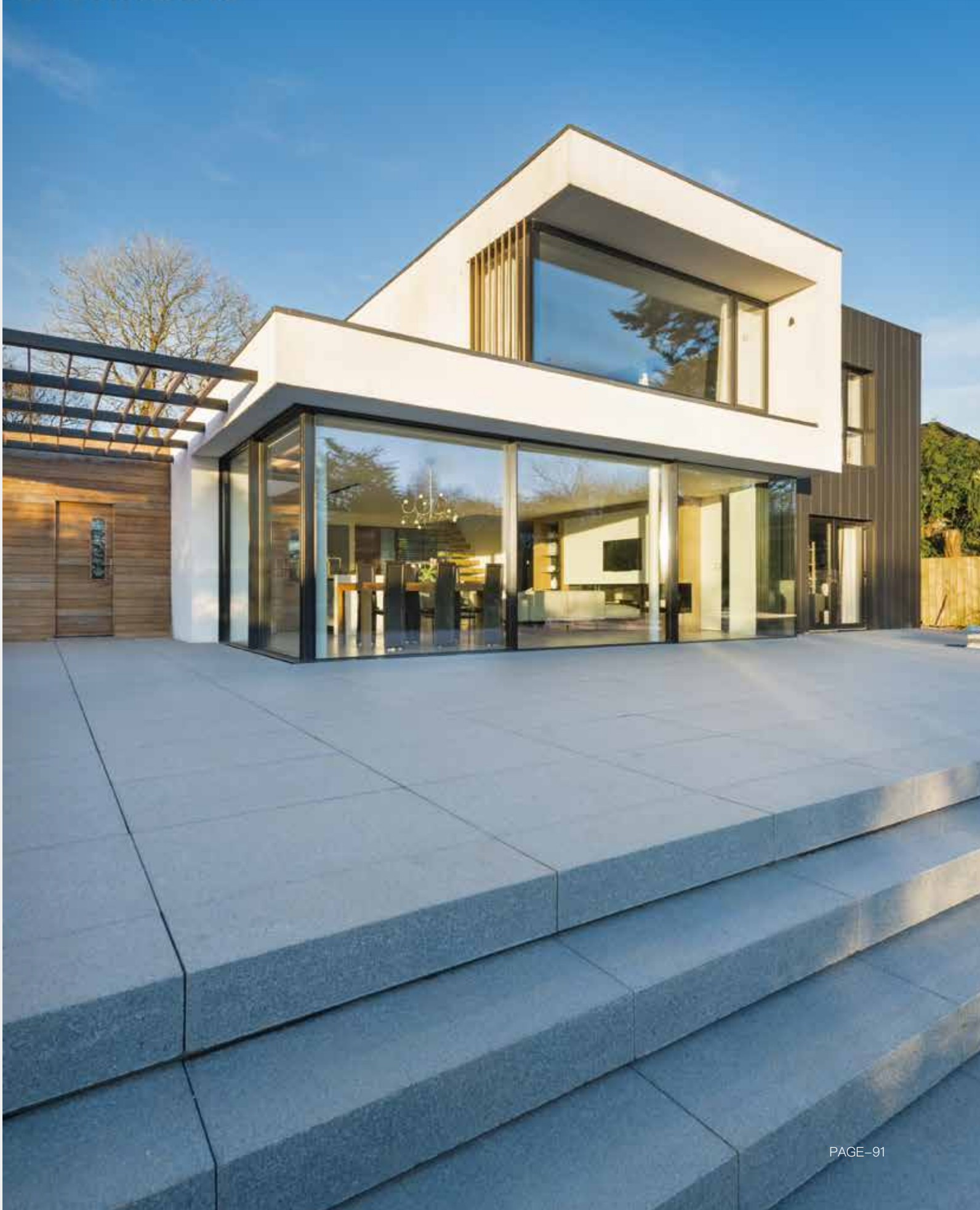
Outward opening

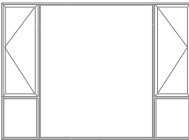
Built-in (inward opening) safety mosquito sash

Built-in (inward opening) high transparency mosquito sash



- © No fittings can be seen in front of window. Extreme slim design, maximize visual area.
- © Narrow profile design can reach 83% light transmittance, 10% higher than normal window.
- © Connecting structures are sealed with structural glue, ensuring strength and safety.
- © Sealing gasket is combined EPDM with foam to achieve better sealing effect.





# 128 OUTWARD OPENING WINDOW WITH HIGH TRANSPARENCY SCREEN

## Specification

Air tightness  AW class (AAMA standard)	Water tightness (Pa)  AW class 720Pa (AAMA standard)	Wind load resistance (KPa)  AW class (AAMA standard)
Heat-insulating performance (W/m²·K)  6 class (GBT8478 standard)	Sound-proof (dB)  4 class (GBT8478 standard)	

## Specification (opening sash)

SW: 400-800mm  
SH: 400-1900mm  
Max. SW: 60kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 78	Mullion: 78	Frame: 128	5+20A+5	Frame: 24 Sash: 10
	Bottom frame: 78	Side frame: 17			

## Style

Fixed sash/ Corner-free/ Curtain wall  
Outward opening  
Built-in (inward opening) safety mosquito sash  
Built-in (inward opening) high transparency mosquito sash



- ◎ Extreme slim design, maximize visual area.
- ◎ High-permeability mesh, anti-mosquito and good ventilation.
- ◎ Combined structure solution and reinforced solution fit for different requirements.
- ◎ Connecting structures are sealed with structural glue, ensuring strength and safety.
- ◎ Sealing gasket is combined EPDM with foam to achieve better sealing effect.

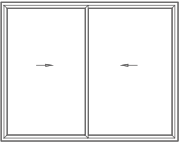






# NARROW SIDE SLIDING DOOR

Large field of view, giving you a wide  
range of unprecedented



# G24 NARROW SLIDING DOOR

## Specification

<div>Air tightness</div> <div></div> <div>5 class (GBT8478 standard)</div>	<div>Water tightness (Pa)</div> <div></div> <div>4 class (GBT8478 standard)</div>	<div>Wind load resistance (KPa)</div> <div></div> <div>9 class (GBT8478 standard)</div>
<div>Heat-insulating performance (W/m²·K)</div> <div></div> <div>2 class (GBT8478 standard)</div>		<div>Sound-proof (dB)</div> <div></div> <div>3 class (GBT8478 standard)</div>

## Specification (opening sash)

SW:depends on roller bearing capacity

SH:3200mm

Max.SW: 250kg

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 51.6	Mullion: 51.6	Frame: 155	5+18A+5	No
	Bottom frame: 65		Sash:63.2		

## Style

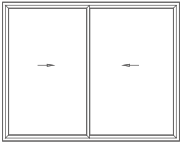
- 2 tracks 2 sashes(light-duty / heavy-duty)
- 2 tracks 4 sashes(light-duty / heavy-duty)



- ◎ The beauty of appearance of windows and doors comes from a bigger visual area and slimmer profile resulting in a larger view and increased lighting.
- ◎ Redesign more functional hardware, higher bearing capacity rollers, minimal handle to achieve as little as 24.6mm slim profile.
- ◎ Sash profile completely concealed in the frame in closed position, makes the appearance of the door concise and appealing.
- ◎ Bottom frame is of barrier-free or high level track inclusive of step platform.
- ◎ Easy installation of locking pin: clamping mechanism allows easy plug-in of the item.
- ◎ The guiding roller with rubber cover bearing allows silent and smooth sliding.
- ◎ Integrated structure of die-casting aluminum corner cleat, roller and roller support frame has adjustable function, range of height adjustment is 0~+4mm.
- ◎ Sash and frame corners are connected through corner cleats and enhanced with corner angle bonding glue, ensuring high structure strength.
- ◎ Bottom drainage design, achieves better water tightness.







# G21 NARROW SLIDING DOOR

## Specification

Air tightness  5 class (GBT8478 standard)	Water tightness (Pa)  4 class (GBT8478 standard)	Wind load resistance (KPa)  6 class (GBT8478 standard)
Heat-insulating performance (W/m²·K)  3 class (GBT8478 standard)	Sound-proof (dB)  3 class (GBT8478 standard)	

## Specification (opening sash)

Max.SW:120kg  
SW:2000mm  
SH:3000mm

## Technical Parameters

Visible surface size			Profile width	Standard glass thickness	Thermal break bar
Glass sash	Top frame: 83.6	Mullion: 83.6	Frame: 139.4	5+9A+5	14.8
	Bottom frame: 61.5		Sash:55.6		

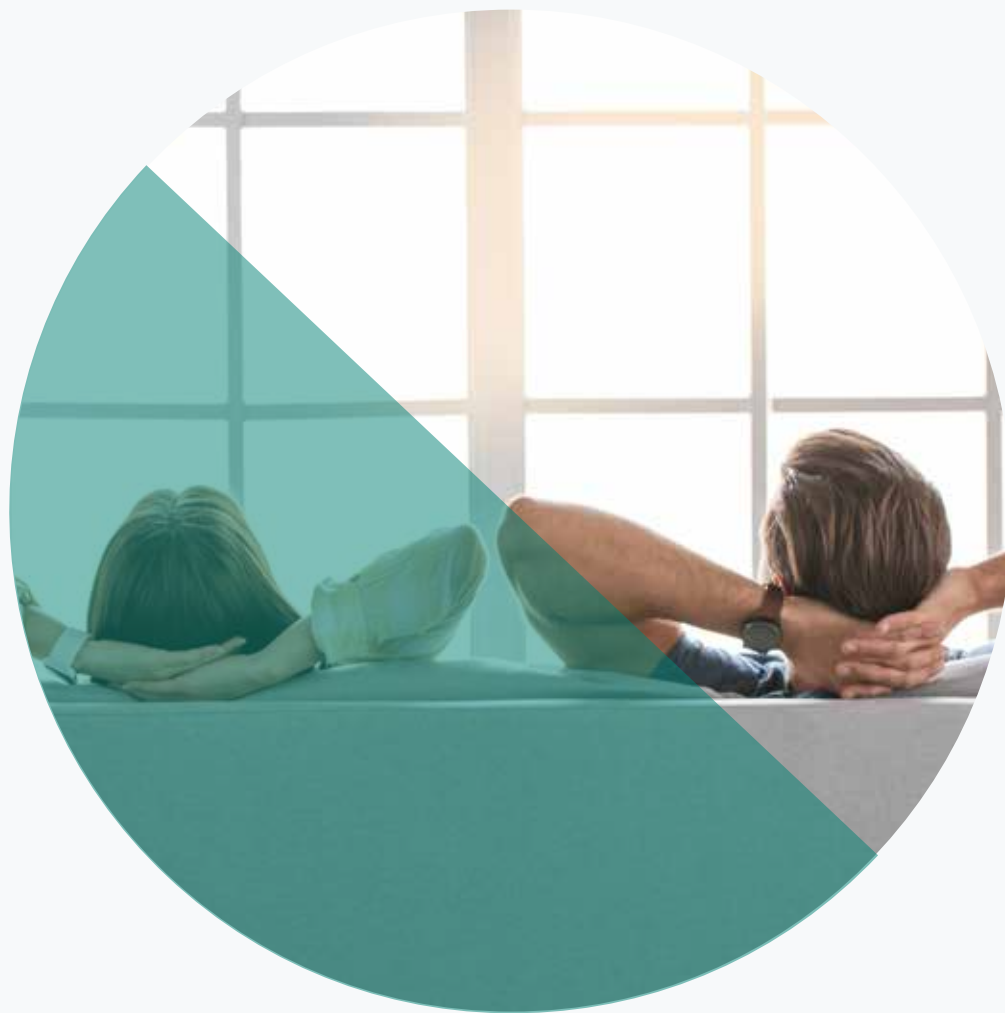
## Style

Double/Three/Four/Six sash  
Double sash+screen sash



- ◎ Special narrow designed profile provide you with wider views. Thermal break profile achieves high level of saving energy.
- ◎ Sash profile completely concealed in the frame in closed position, makes the appearance of the door concise and appealing.
- ◎ Sash profile width on all sides are extremely narrow.
- ◎ Sash frame corners are connected with corner cleat and enhanced with corner angle bonding adhesive, ensuring high structure strength.
- ◎ Bottom profile is of barrier-free design with bevel shape.
- ◎ The top bearing roller design achieves smooth sliding operation.
- ◎ Range of height adjustment of the guiding roller is +5mm.
- ◎ Load capacity of the roller id120kg with range of height adjustment in 3.5mm, and lifespan over 100,000 times.
- ◎ Range of adjustment for the locking pin is - 1~+3mm.
- ◎ Many door schemes are available.





**STORO**

Originating from the Italian design standard  
**Door and window system whole case provider**

## CONTENTS

### Bespoke System+

Bespoke designed for special customers



**G41**

DOUBLE SLIDING SEALING DOOR SYSTEM



**G42**

DOUBLE SLIDING SEALING WINDOW SYSTEM



**G50**

SF63 THERMAL BREAK FOLDING WINDOW AND DOOR SYSTEM



**G52**

SF65 THERMAL BREAK FOLDING WINDOW AND DOOR SYSTEM

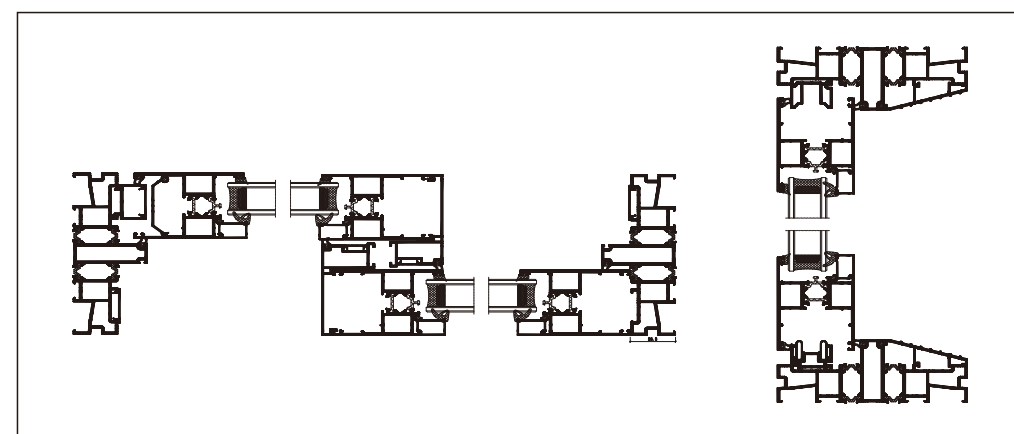




# G41

## DOUBLE TRACK SLIDING SEALING SYSTEM

- Double-track load-bearing to ensure safety and stability;
- New double load-bearing roller + top guiding-roller design, high load-bearing capacity, system safety improved.
- Door leaf can be locked at any position by the handle to meet user's needs;
- Double EPDM co-extruded gaskets to ensure tightness;
- Sash and frame corners are connected through corner cleats and enhanced with corner angle bonding glue, ensuring high structure strength.
- Sash with European standard 'C groove' for sliding system;
- Whole set of glass fittings placed on the interior side to prevent accidental installation hazards.
- Convex highly resistant glass buckle: uneasy to deform, has high strength.
- System process design: the system structure design is based on the concept of simplifying
- processing and installation operations to increase product quality. The sequence of process
- operations is consistent and simple, very convenient for workers to operate.
- Different types of system dies available for customers.














DOUBLE SLIDING  
SEALING DOOR SYSTEM

Only when you open the door,  
you can feel the wind and hear the sound of waves

						
Heat-insulating performance (W/m²·K)	Glass(Ug)	Whole window ( Kw )	Sound-proof (dB)	Water tightness (Pa)	Air tightness	Wind load resistance (KPa)
3Class	1.65	2.5	3Class	4Class	5Class	6Class

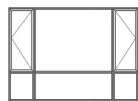
SW: According to load bearing

Sh: ≤2400mm

Max Weight: Light-duty 200kg/heavy-duty 250kg

PS 1. The thermal insulation performance parameters are obtained through simulated calculation.  
2. The specifications refer to the maximum sash dimension.  
3. It needs to be processed in strict accordance with the standard processing technology to ensure the proper functioning of doors and windows.





# G42

## DOUBLE SLIDING SEALING WINDOW SYSTEM

- Sealing performance and casement appearance, the sliding windows is useful. Top guiding roller + bottom bearing roller structure ensure high safety and stability.
- The side sliding structure of the roller, the height of the roller is adjustable and the applicability is wider;
- Combined EPDM and foam gaskets form a double sealing system, ensuring high sealing effect.
- The circumferential locking points along the moving sash frame ensure high class of insulation for water-penetration, air-tightness and noise: therefore achieving high sound sealing effect and high anti wind load capacity.
- Hardware installation does not require profile milling and can be quickly achieved by simple pushing in; therefore reducing processing procedures, shortening installation time, and reducing costs.
- The screen sash can improve the effective safety while preventing from mosquitoes and still offering regular ventilation;
- The installation of this system is greater efficiency improvement;
- The system process design is the greatest extent simplifying the processing and installation operations, and reducing the requirements of the processing and installation operations on workers, and the impact on product quality. The system structure design is consistent and simple for all series of process operations, which is convenient for workers to operate;
- The whole series of glass interior structure, the glass itself and gaskets are on the inner side to ensure safety.
- The fixed glass adopts an intermediate sealing structure to prevent hidden danger of water leakage from the buckle, air tightness, heat preservation and sound insulation.
- The related machinery for the system is available for customers to choose.

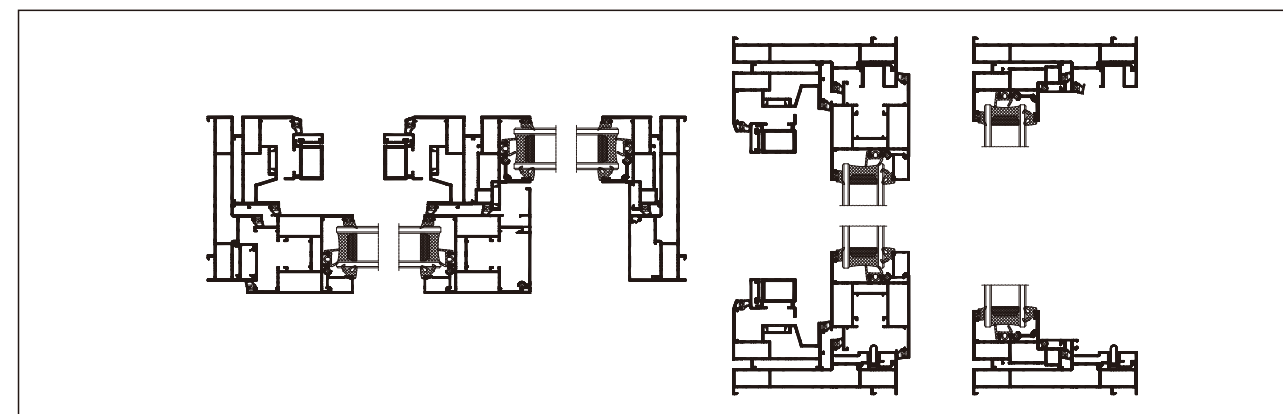


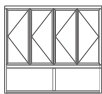
Glass (Ug)	Whole window(Kw)	U factor W/(m²·K)	Sound (dB)	Water tightness(Pa)	Air tightness	Wind load Resistance (KPa)
2.5	3.6	4Class	3Class	5Class	8Class	9Class

SW: According to load bearing

SH: ≤2000mm

Max. SW: 120kg





# G50

## SF63 THERMAL BREAK FOLDING WINDOW AND DOOR SYSTEM

- It breaks through the traditional limitation of partial sash opening. Now the sash can be moved and folded to both sides to maximize the ventilation area;
- The thickness of the sash is 78.5mm; when the door is closed the visible surface is 76mm.
- The concealed handle and cylinder structure allows a lot of sunlight in and gives you the best viewing experience.
- Exclusive design of anti-sway and anti-fall on the top track.
- Perfect sealing structure design, a variety of window and door types are available.
- The system structure design is based on the premises of simplifying the processing and the installation, and the impact on the product quality. The process operation of each series are consistent and simple, which is convenient for workers to operate;
- The glass buckles are on the indoor which can prevent the worker from falling out of the window when installing it.
- The structure of the glass buckle is stable, no deformation, high strength;
- The fixed glass use the middle sealing structure to prevent water leakage, and it also improves the performance of air tightness, heat preservation and sound insulation.
- The accessories of the system are common, including the corner cleat, connector, gasket, and sealing piece.
- The moulding machine can be chosen by customer.

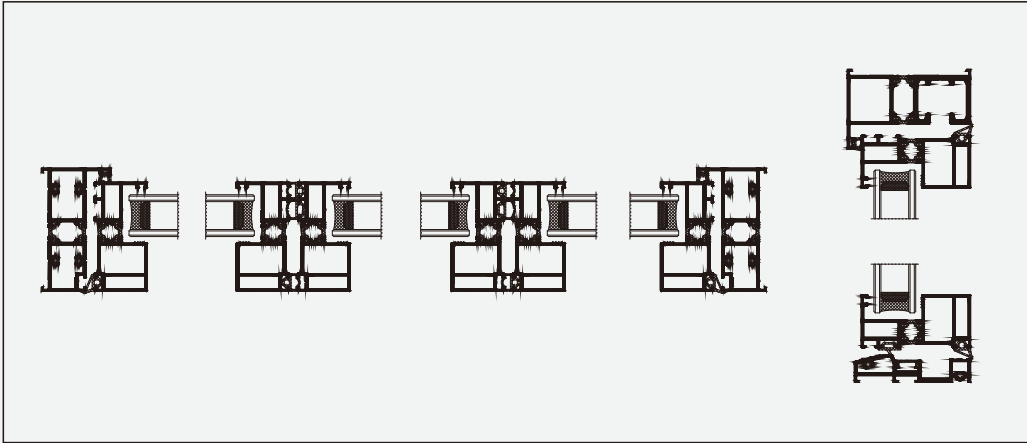
Performance		Specification (window sash)	
Whole window(Kw)	2.5	SW	450-780mm
Glass (Ug)	3.6	SH	1200-2600mm
Thermal insulation performance W/(m²·K)	Class 4	Max. SW	50kg
sound insulation (dB)	Class 3	Completely open balcony folding door	
Water tightness (Pa)	Class 4		
Air tightness	Class 5		
Wind pressure resistance (KPa)	Class 6		
ps : (1) The thermal insulation performance parameters regard simulated calculation (2)The specification is the maximum size of the open sash, and the maximum width of all open sashes is 780 mm (3)It needs to be processed in strict accordance with the standard processing technology to ensure the correct performance of doors and windows			

Performance		Specification (window sash)	
Whole window(Kw)	2.5	SW	450-700mm
Glass (Ug)	3.6	SH	600-1700mm
Thermal insulation performance W/(m²·K)	Class 4	Max. SW	50kg
sound insulation (dB)	Class 3	Folding windows with fully open balcony	
Water tightness (Pa)	Class 4		
Air tightness	Class 5		
Wind pressure resistance (KPa)	Class 6		
ps : (1) The thermal insulation performance parameters regard simulated calculation (2)The specification is the maximum size of the open sash, and the maximum width of all open sashes is 700 mm (3)It needs to be processed in strict accordance with the standard processing technology to ensure the correct performance of doors and windows			



With a full 100% opening function







## G52

### THERMAL BREAK FOLDING WINDOW AND DOOR SYSTEM

- It breaks through the traditional limitation of partial sash opening. Now the sash can be moved and folded to both sides to maximize the ventilation area;
- The thickness of the sash is 68mm; when the door is closed the visible surface is 136mm.
- Special handle plus cylinder structure, higher security.
- Exclusive design of anti-sway and anti-fall on the top track.
- Perfect sealing structure design, a variety of window and door types are available.
- The system structure design is based on the premises of simplifying the processing and the installation, and the impact on the product quality. The process operation of each series are consistent and simple, which is convenient for workers to operate;
- The fixed glass can be inserted in the end which is more convenient for both the installation and the transportation.
- The accessories of the system are common, including the corner cleat, connector, gasket, and sealing piece.



Glass (Ug)	Whole window ( Kw )	U factor W/(m²·K)	Sound (dB)	Water tightness(Pa)	Air tightness	Wind load Resistance(KPa)
1.65	2.6	3 Class	3 Class	5 Class	5 Class	9 Class

SW: 450-800mm

SH: ≤3000mm

Max. weight: 80kg

PS

(1) The thermal insulation performance parameters regard simulated calculation

(2) The specification is the maximum size of the open sash, and the maximum width of all open sashes is 700 mm

(3) It needs to be processed in strict accordance with the standard processing technology to ensure the correct performance of doors and windows



# ALUMINUM ALLOY COLOR

World environmental protection powder, strong weather resistance, soft and stable color

## Spraying series



Metal Champagne



Metal Grey



Metal Coffee



Crystal Grey



Enamel White



Melanite Black



Sand grain black

## Silk



Fluorocarbon Silver



Fluorocarbon Champagne



Fluorocarbon Grey



Fluorocarbon Coffee

## Textured wood grain



Elm



Royal teak

## Porcelain swimming



Porcelain champagne

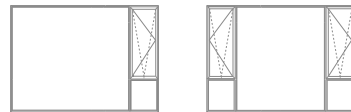
There may be a certain color difference between the printed display color and the actual object, which is based on the actual color swatch

# PART OF AWARDED CREDITS

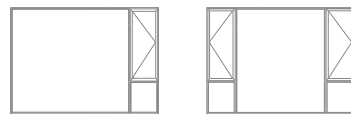


# SYSTEM STYLE

## CASEMENT WINDOW

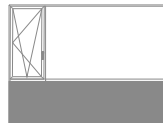


INWARD OPENING WINDOW WITH MOSQUITO SASH

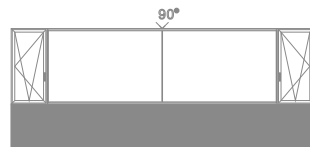


OUTWARD OPENING WINDOW WITH MOSQUITO SASH

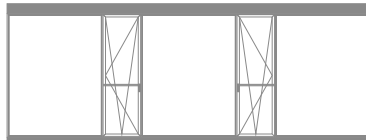
## TILT-TURN WINDOW



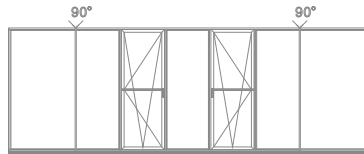
Tilt-turn window [double inside opening]



Tilt-turn window [double inside opening 90°corner]



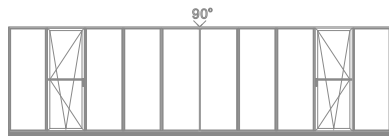
Tilt-turn glass barrier window



Tilt-turn glass barrier window [90°corner]



Tilt-turn frame-to-floor curtain wall window



Tilt-turn frame-to-floor curtain wall window [90°corner]

## SLIDING DOOR



MAX Landscape sliding door

4<sup>PCS</sup>  
PCT

25<sup>PCS</sup>  
Patent for utility model

16<sup>PCS</sup>  
patent for invention

60<sup>PCS</sup>  
Design patent

intertek  
Total Quality. Assured.

AMERICAN INTERTEK CERTIFICATE

bmt

BMT TESTING



CHINA WINDOW AND DOOR CURTAIN WALL SUPREME AWARD

SGS

CNAS  
TESTING  
CLASS L 1449

ILAC-MRA

FC

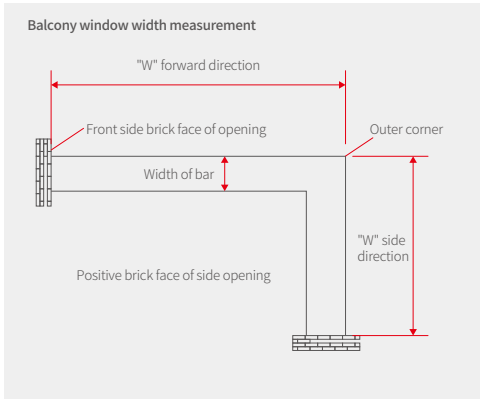
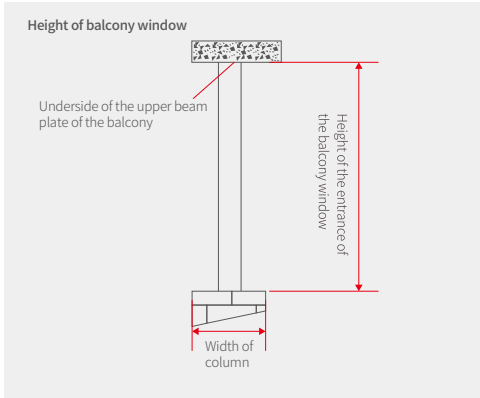
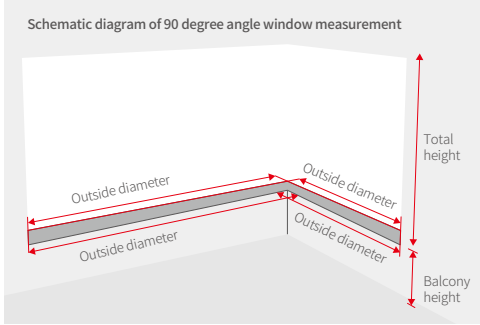
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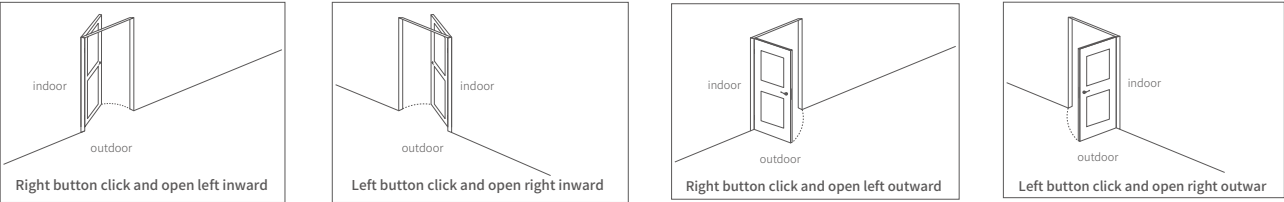
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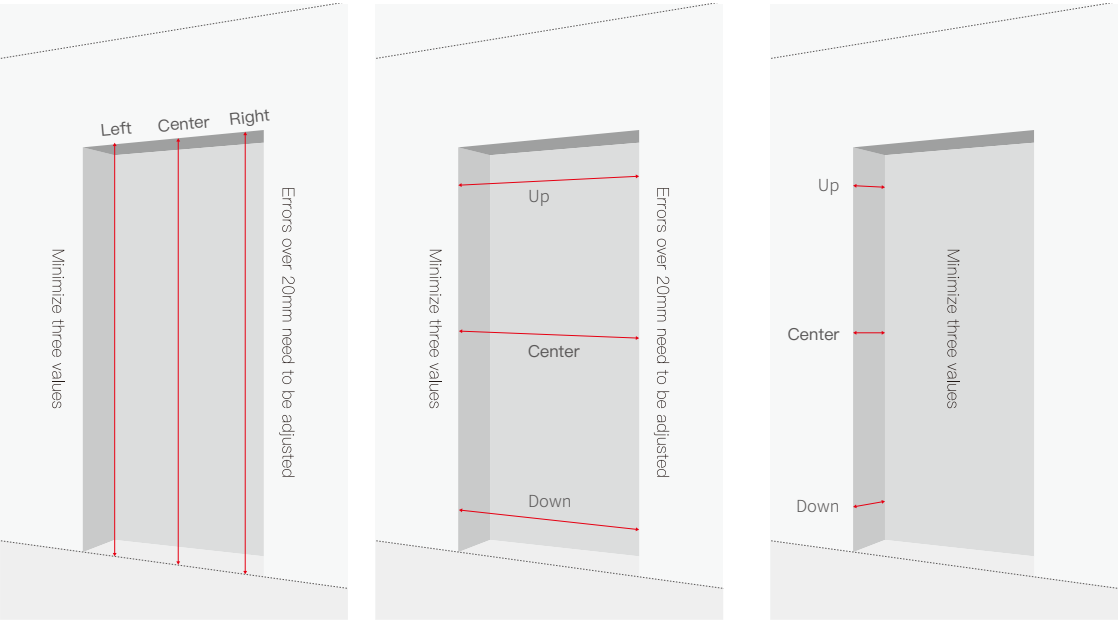
# MEASUREMENT STANDARD



## Opening method and lock direction



## Schematic diagram of doorway measurement



The decorative surface material of the entrance	Extra ruler (the difference between the size of the hole and the size of the decorative surface)	
	Dimensions between decorative surfaces and decorative surfaces	The size between the decorative surface and the confirmed positioning line
Dry wall (general plaster decorative surface)	50mm( Window width, height and door width )	25mm( Window width, height and door width )
	40mm( Door height )	20mm( Door height )
Mosaic decorative surface	50~60mm( Window width, height and door width )	25~30mm( Window width, height and door width )
	40mm( Door height )	20mm( Door height )
Marble, granite rock decorative surface	70~80mm( Window width, height and door width )	35~40mm( Window width, height and door width )
	60mm( Door height )	30mm( Door height )

STORO solutions of window and door systems.

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TEL: (+086)0755-27183199  
Website: [www.storo.it](http://www.storo.it)

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SUPPLIER OF COMPLETE  
SOLUTIONS FOR SYSTEMATIC  
WINDOWS AND DOORS.