

Medical Door Product Technical Parameters



Radiation-Proof Three-Stack Door
(Special for Composite Operating Rooms)
SLH-COR-3T-pb4.0

It is used in composite operating rooms - mobile CT parking spaces. When the door is open, it enables multi-disciplinary synchronous surgery; when closed, it separates two operating rooms.

1. Double-sided stainless steel $\geq 2.0\text{mm}$ (AISI 304#); surface sprayed with baking paint, with customizable colors and patterns. The door leaf and internal frame are embedded with Pb4.0, and the door thickness is 45-55mm (except for special customization). The door has double-sided fireproof coating. The special door core material has flame-retardant, fireproof, heat-absorbing and moisture-proof properties. The door seal uses silicone strips and sealing strips. The four corners of the door are protected by integral of aluminum profiles. The overall door frame is anodized aluminum profile structure, and the surface door panel of the door is a whole plate without seams.

2. The overall door has dual-function options: Function 1 - three door leaves open and close simultaneously with linkage; Function 2 (when Function 1 fails) - the overall door can still be opened and closed one by one.

Technical Parameters

This door type is a special-purpose - composite operating room - three-stack radiation-proof door.

Electrical Technical Specifications

Standard Power Supply	220~240V $\pm 6\%$ 50~60Hz
Optional Power Supply	100~120V $\pm 6\%$ 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	450W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	$\leq 0.5\text{m/s}$
Adjustable Door Closing Speed	0.6 to 1m/s
Maximum Acceleration	1.6m/s^2
Maximum Door Weight (Lead Door pb4.0)	1×1500Kg
Maximum Door Weight (Lead Door pb4.0)	3×1000Kg

Technical Specifications

Door Operator Size (Height × Depth)	300×304mm
Maximum Door Operator Length	6000-8000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-3500mm
Passage Width of Three Sliding Doors (Minimum/Maximum)	500-3500mm
Maximum Height (Recommended Value)	3000-3500mm



**Radiation-Proof Two-Stack Door
(Special for Laboratories)
SLX-K-2T-pb4.0**

Used in laboratories, testing rooms, research rooms, and pharmaceutical workshops.

1. Double-sided stainless steel $\geq 2.0\text{mm}$ (AISI 304#); surface sprayed with baking paint, with customizable colors and patterns. The door leaf and internal frame are embedded with Pb4.0, and the door thickness is 45-55mm (except for special customization). The door has double-sided fireproof coating. The special door core material has flame-retardant, fireproof, heat-absorbing and moisture-proof properties. The door seal uses silicone strips and sealing strips. The four corners of the door are protected by integral of aluminum profiles. The overall door frame is anodized aluminum profile structure, and the surface door panel of the door is a whole plate without seams.

2. The overall door has dual-function options: Function 1 - three door leaves open and close simultaneously with linkage; Function 2 (when Function 1 fails) - the overall door can still be opened and closed one by one.

Technical Parameters

This door type is special for laboratories, testing rooms, research rooms, and pharmaceutical workshops.

Electrical Technical Specifications

Standard Power Supply	220~240V $\pm 6\%$ 50~60Hz
Optional Power Supply	100~120V $\pm 6\%$ 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	400W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	$\leq 0.5\text{m/s}$
Adjustable Door Closing Speed	0.6 to 1m/s
Maximum Acceleration	1.6m/s^2
Maximum Door Weight (Lead Door pb4.0)	1×1500Kg
Maximum Door Weight (Lead Door pb4.0)	2×1000Kg

Technical Specifications

Door Operator Size (Height × Depth)	300×304mm
Maximum Door Operator Length	6000-8000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-3500mm
Passage Width of Three Sliding Doors (Minimum/Maximum)	500-3500mm
Maximum Height (Recommended Value)	3000-3500mm



Radiation-Proof Airtight Door
(Special for DSA)
SLQ-D-pb4.0

Used in DSA operating rooms.

Structure

The door body adopts a composite structure of HPL board + steel frame + lead plate lining, filled with fireproof and sound-insulating materials (such as polyurethane foam) inside. The surface is flat without nail holes, featuring both protection and aesthetics.

The door body is embedded with Pb4.0 lead plate, which can effectively block X-rays generated by DSA equipment.

Sealing Design

After the door is closed, it fits closely with the rubber strip of the profile airtight sub-frame. The closing force $F > 70N$, and the manual pushing force $< 100N$, ensuring stable pressure difference in the operating room.

Technical Parameters

This door type is a special radiation-proof airtight automatic door for DSA operating rooms.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Lead Door pb4.0)	1×300Kg
Maximum Door Weight (Lead Door pb4.0)	2×200Kg

Technical Specifications

Door Operator Size (Height × Depth)	220×175mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-2500mm
Passage Width of Two Sliding Doors (Minimum/Maximum)	500-4000mm
Maximum Height (Recommended Value)	3000-3500mm



Radiation-Proof Airtight Door
(Special for CT Imaging)
SLQ-C-pb4.0

Used in CT and DR imaging rooms.

Structure

The door body adopts a composite structure of HPL board + steel frame + lead plate lining, filled with fireproof and sound-insulating materials (such as polyurethane foam) inside. The surface is flat without nail holes, featuring both protection and aesthetics.

The door body is embedded with Pb4.0 lead plate, which can effectively block X-rays generated by DSA equipment.

Sealing Design

After the door is closed, it fits closely with the rubber strip of the profile airtight sub-frame. The closing force $F > 70N$, and the manual pushing force $< 100N$, ensuring stable pressure difference in the operating room.

Technical Parameters

This door type is a radiation-proof airtight automatic door - pb4.0, special for CT and DR imaging rooms.

Electrical Technical Specifications

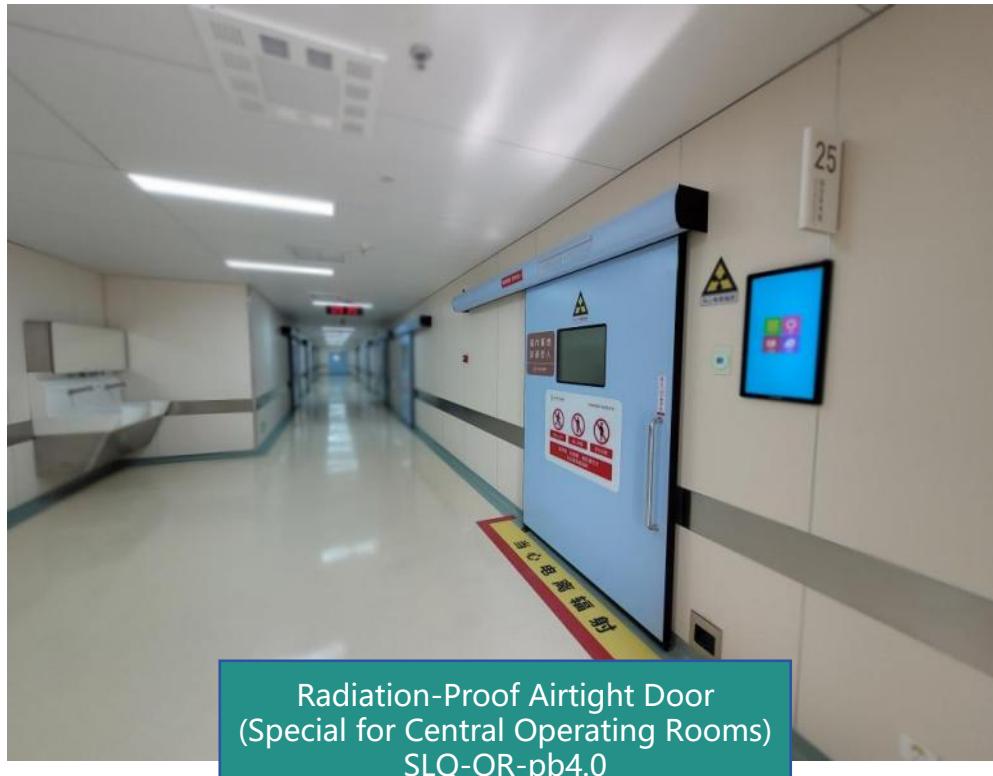
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Lead Door pb4.0)	1×300Kg
Maximum Door Weight (Lead Door pb4.0)	2×200Kg

Technical Specifications

Door Operator Size (Height × Depth)	220×175mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-2500mm
Passage Width of Two Sliding Doors (Minimum/Maximum)	500-4000mm
Maximum Height (Recommended Value)	3000-3500mm



Radiation-Proof Airtight Door
(Special for Central Operating Rooms)
SLQ-OR-pb4.0

Used in central operating rooms.

Structure

The door body adopts a composite structure of HPL board + steel frame + lead plate lining, filled with fireproof and sound-insulating materials (such as polyurethane foam) inside. The surface is flat without nail holes, featuring both protection and aesthetics.

The door body is embedded with Pb4.0 lead plate, which can effectively block X-rays generated by DSA equipment.

Sealing Design

After the door is closed, it fits closely with the rubber strip of the profile airtight sub-frame. The closing force $F > 70N$, and the manual pushing force $< 100N$, ensuring stable pressure difference in the operating room.

Technical Parameters

This door type is special for central operating rooms.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Lead Door pb4.0)	1×300Kg
Maximum Door Weight (Lead Door pb4.0)	2×200Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-2500mm
Passage Width of Two Sliding Doors (Minimum/Maximum)	500-4000mm
Maximum Height (Recommended Value)	3000-3500mm



Radiation-Proof Airtight Door
(Special for Composite Operating Rooms)
SLH-COR-2-pb4.0

Used in composite operating rooms.

Structure

The door body adopts a composite structure of HPL board + steel frame + lead plate lining, filled with fireproof and sound-insulating materials (such as polyurethane foam) inside. The surface is flat without nail holes, featuring both protection and aesthetics.

The door body is embedded with Pb4.0 lead plate, which can effectively block X-rays generated by DSA equipment.

Sealing Design

After the door is closed, it fits closely with the rubber strip of the profile airtight sub-frame. The closing force $F > 70N$, and the manual pushing force $< 100N$, ensuring stable pressure difference in the operating room.

Technical Parameters

This door type is special for composite operating rooms: two 平移 - radiation-proof airtight automatic door.

Electrical Technical Specifications

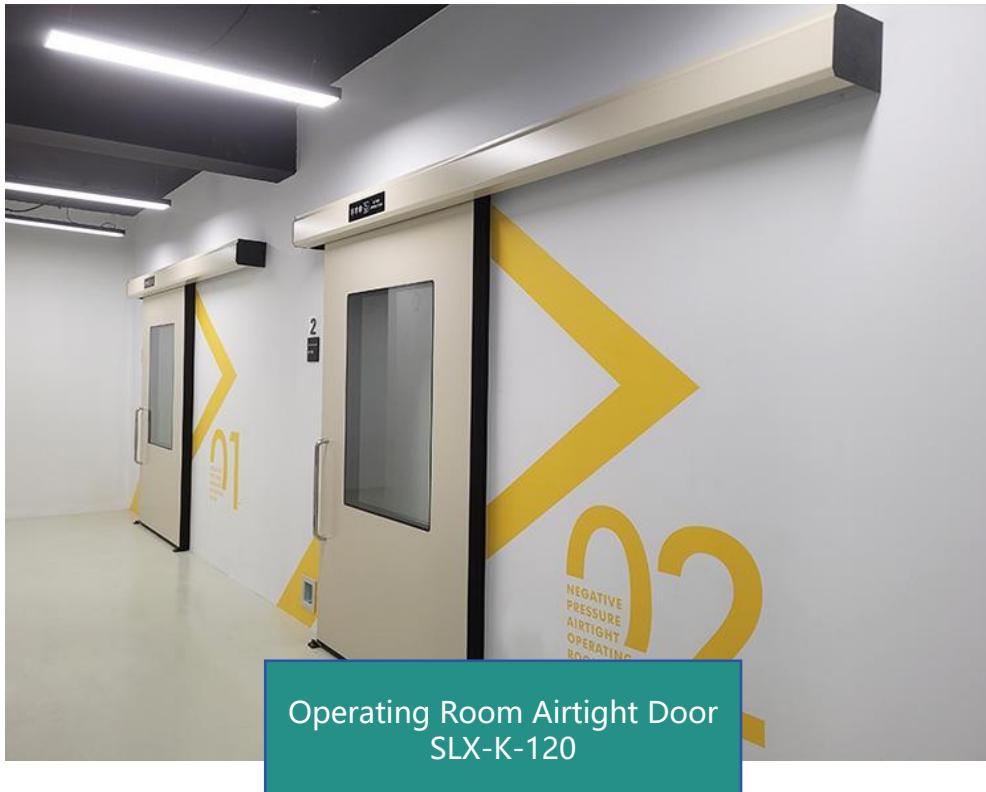
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	300W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Lead Door pb4.0)	1×500Kg
Maximum Door Weight (Lead Door pb4.0)	2×350Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	500-2500mm
Passage Width of Two Sliding Doors (Minimum/Maximum)	500-4000mm
Maximum Height (Recommended Value)	3000-3500mm



Operating Room Airtight Door
SLX-K-120

Single and double airtight doors have the advantages of sliding doors while meeting the airtightness and special functional requirements of clean areas.

The sliding airtight door consists of one or two sliding door leaves, which open and close automatically. When open, it can reach the maximum passage distance matching the opening size; when closed, the rubber strips around the door leaf perfectly seal with the door opening. It can also be opened manually under specific circumstances.

To ensure perfect airtightness, when closed, the door leaf sinks 15mm and presses 10mm into the door frame, ensuring that the rubber strips closely fit the gaps around the door opening.

Technical Parameters

The sliding airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	5900mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1070/2660mm
Maximum Height (Recommended Value)	2400mm



Operating Room Airtight Door
(Two-Tone)
SLX-K-120-COL

Single and double airtight doors have the advantages of sliding doors while meeting the airtightness and special functional requirements of clean areas.

The sliding airtight door consists of one or two sliding door leaves, which open and close automatically. When open, it can reach the maximum passage distance matching the opening size; when closed, the rubber strips around the door leaf perfectly seal with the door opening. It can also be opened manually under specific circumstances.

To ensure perfect airtightness, when closed, the door leaf sinks 15mm and presses 10mm into the door frame, ensuring that the rubber strips closely fit the gaps around the door opening.

Technical Parameters

The sliding airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

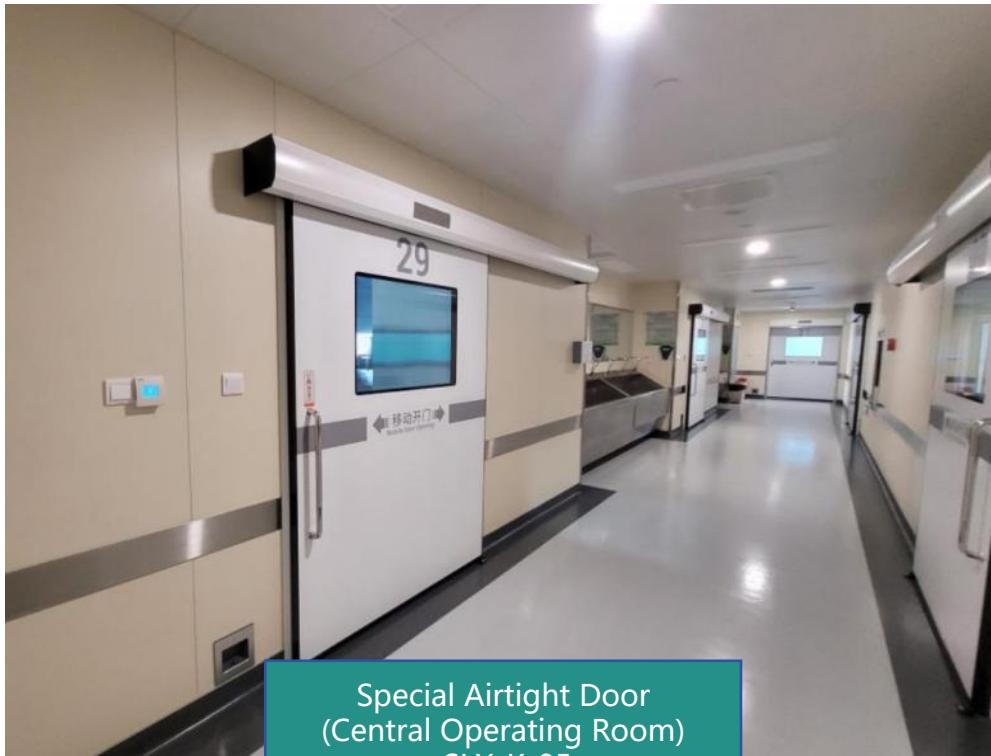
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	5900mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1070/2660mm
Maximum Height (Recommended Value)	2400mm



Special Airtight Door
(Central Operating Room)
SLX-K-85

Single and double airtight doors have the advantages of sliding doors while meeting the airtightness and special functional requirements of clean areas.

The sliding airtight door consists of one or two sliding door leaves, which open and close automatically. When open, it can reach the maximum passage distance matching the opening size; when closed, the rubber strips around the door leaf perfectly seal with the door opening. It can also be opened manually under specific circumstances.

To ensure perfect airtightness, when closed, the door leaf sinks 15mm and presses 10mm into the door frame, ensuring that the rubber strips closely fit the gaps around the door opening.

Technical Parameters

The sliding airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

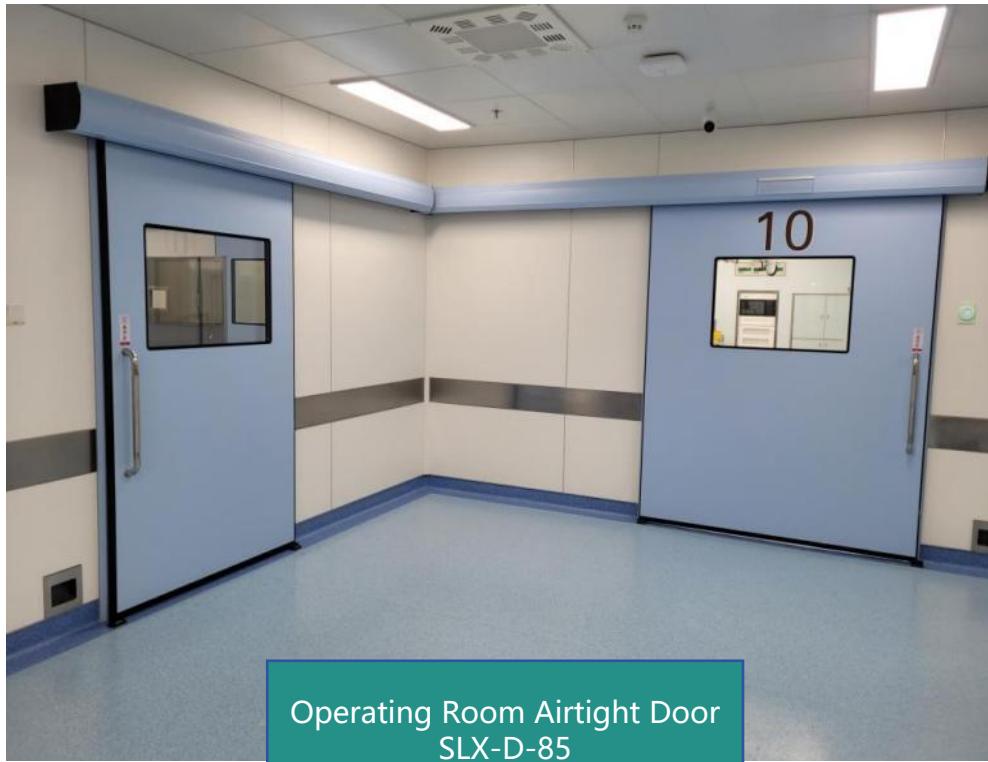
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	5900mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1070/2660mm
Maximum Height (Recommended Value)	2400mm



Operating Room Airtight Door
SLX-D-85

Application: Day surgery rooms.

The sliding airtight door consists of one or two sliding door leaves, which open and close automatically. When open, it can reach the maximum passage distance matching the opening size; when closed, the rubber strips around the door leaf perfectly seal with the door opening. It can also be opened manually under specific circumstances.

To ensure perfect airtightness, when closed, the door leaf sinks 15mm and presses 10mm into the door frame, ensuring that the rubber strips closely fit the gaps around the door opening.

Technical Parameters

This sliding airtight door is specially designed by SLEEK for day surgery rooms.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (two units)
Rated Power	250W
Standby Power Consumption	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×220mm
Maximum Door Operator Length	5900mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1070/2660mm
Maximum Height (Recommended Value)	2400mm



Double Swing Airtight Door
SLW-2-hpl

Application: Day surgery rooms, operating room passages, buffer rooms, isolation areas, clean passages, etc.

Double-leaf symmetric design: Adopts a symmetric swing structure with two door leaves on the left and right. When opened, they can open to both sides, providing a large passage width (usually customizable to 1.2-2.4 meters), facilitating equipment transportation (such as surgical carts, production material turnover carts) or multiple people entering and exiting simultaneously, solving the limitation of narrow passages in single-leaf airtight doors.

Gap between double leaves: A "butt joint sealing" structure (such as concave-convex design or intermediate sealing strip) is set to avoid the gap between the two leaves when closed from becoming an air leakage point, which can effectively block air in areas with high pressure gradients (such as positive pressure clean areas).

Technical Parameters

The double swing airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

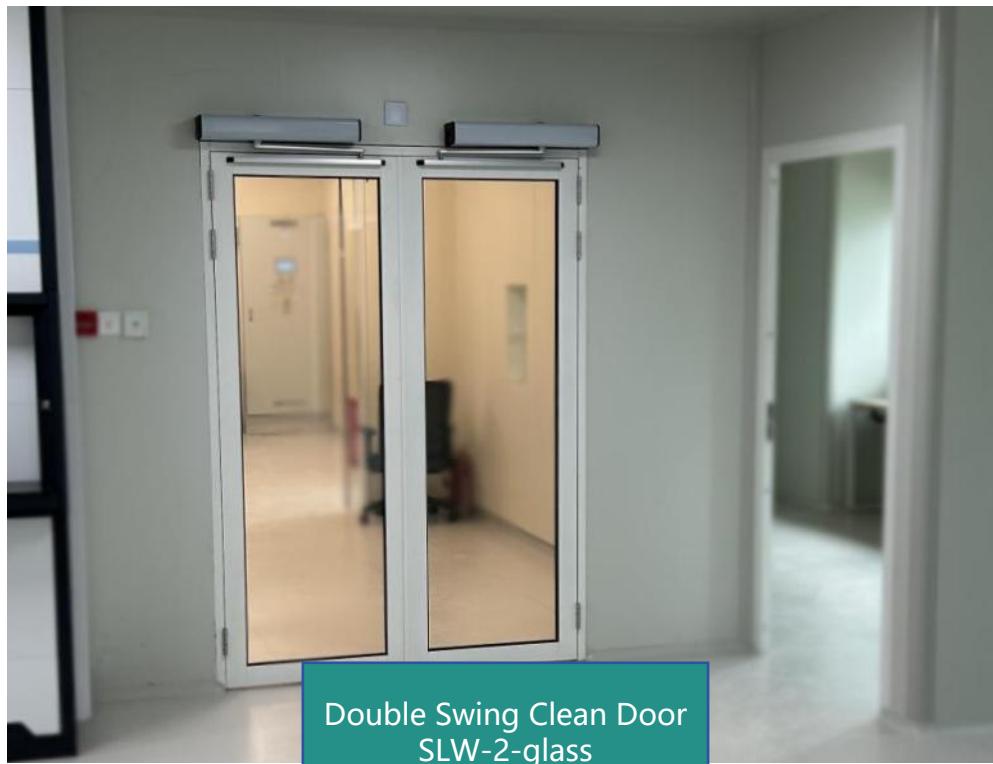
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	DC24V DC (with door-closing function)
Rated Power	67W
Standby Power	13W
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-15°C to 50°C
Ambient Temperature	-15°C to 50°C
Maximum Noise	<18dB

Operating Parameters

Adjustable Door Opening Speed	≤1m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth × Width)	600×85×124mm
Maximum Door Operator Length	1200mm
Passage Width of Single Sliding Door (Minimum/Maximum)	1500mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1000mm
Maximum Height (Recommended Value)	2500mm



Double Swing Clean Door
SLW-2-glass

Application: Day surgery rooms, operating room passages, buffer rooms, isolation areas, clean passages, etc.

Double-leaf symmetric design: Adopts a symmetric swing structure with two door leaves on the left and right. When opened, they can open to both sides, providing a large passage width (usually customizable to 1.2-2.4 meters), facilitating equipment transportation (such as surgical carts, production material turnover carts) or multiple people entering and exiting simultaneously, solving the limitation of narrow passages in single-leaf airtight doors.

Gap between double leaves: A "butt joint sealing" structure (such as concave-convex design or intermediate sealing strip) is set to avoid the gap between the two leaves when closed from becoming an air leakage point, which can effectively block air in areas with high pressure gradients (such as positive pressure clean areas).

Technical Parameters

The sliding airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	DC24V DC (with door-closing function)
Rated Power	67W
Standby Power	13W
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-15°C to 50°C
Ambient Temperature	-15°C to 50°C
Maximum Noise	<20dB

Operating Parameters

Adjustable Door Opening Speed	≤1m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth × Width)	600×85×124mm
Maximum Door Operator Length	1200mm
Passage Width of Single Sliding Door (Minimum/Maximum)	1500mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1000mm
Maximum Height (Recommended Value)	2500mm



Application: Day surgery rooms, central operating rooms, etc.

Double-leaf symmetric design: Adopts a symmetric swing structure with two door leaves on the left and right. When opened, they can open to both sides, providing a large passage width (usually customizable to 1.2-2.4 meters), facilitating equipment transportation (such as surgical carts, production material turnover carts) or multiple people entering and exiting simultaneously, solving the limitation of narrow passages in single-leaf airtight doors.

Gap between double leaves: A "butt joint sealing" structure (such as concave-convex design or intermediate sealing strip) is set to avoid the gap between the two leaves when closed from becoming an air leakage point, which can effectively block air in areas with high pressure gradients (such as positive pressure clean areas).

Technical Parameters

The double swing airtight door is a solution specially provided by SLEEK for operating rooms with special space requirements. For applications in special space operating rooms and standard applications in Class 100 operating rooms, choosing double swing airtight doors is the best choice to solve the space application of operating rooms.

Electrical Technical Specifications

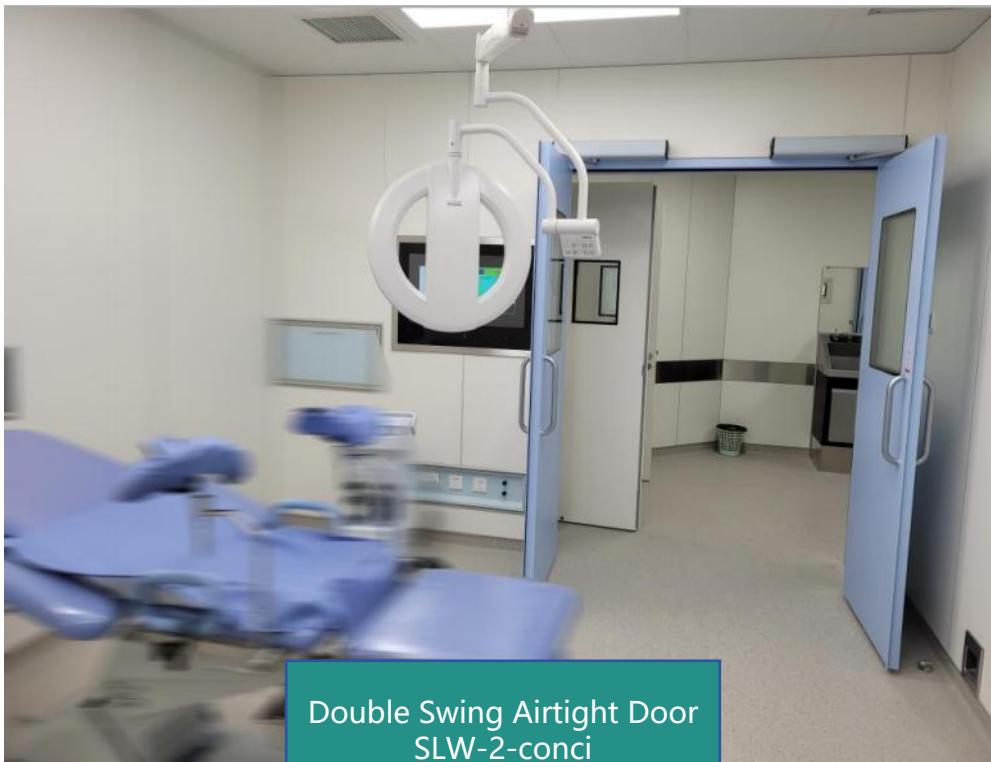
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	DC24V DC (with door-closing function)
Rated Power	67W
Standby Power	13W
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-15°C to 50°C
Ambient Temperature	-15°C to 50°C
Maximum Noise	<15dB

Operating Parameters

Adjustable Door Opening Speed	≤1m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth × Width)	600×85×124mm
Maximum Door Operator Length	1200mm
Passage Width of Single Sliding Door (Minimum/Maximum)	1500mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1000mm
Maximum Height (Recommended Value)	2500mm



Double Swing Airtight Door
SLW-2-conci

Main Application: Gynecological operating rooms, day surgery rooms, genital centers.

Double-leaf symmetric design: Adopts a symmetric swing structure with two door leaves on the left and right. When opened, they can open to both sides, providing a large passage width (usually customizable to 1.2-2.4 meters), facilitating equipment transportation (such as surgical carts, production material turnover carts) or multiple people entering and exiting simultaneously, solving the limitation of narrow passages in single-leaf airtight doors.

Gap between double leaves: A "butt joint sealing" structure (such as concave-convex design or intermediate sealing strip) is set to avoid the gap between the two leaves when closed from becoming an air leakage point, which can effectively block air in areas with high pressure gradients (such as positive pressure clean areas).

Technical Parameters

The double swing airtight door is a professional access solution specially provided by SLEEK for areas with special requirements for air cleanliness, such as clean areas in health care fields like hospitals and laboratories, and various sterile rooms in industrial environments.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	DC24V DC (with door-closing function)
Rated Power	67W
Standby Power	13W
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-15°C to 50°C
Ambient Temperature	-15°C to 50°C
Maximum Noise	<18dB

Operating Parameters

Adjustable Door Opening Speed	≤1m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth × Width)	600×85×124mm
Maximum Door Operator Length	1200mm
Passage Width of Single Sliding Door (Minimum/Maximum)	1500mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1000mm
Maximum Height (Recommended Value)	2500mm



Application: Public accessible toilets for people with disabilities.

Double-leaf symmetric design: Adopts a symmetric swing structure with two door leaves on the left and right. When opened, they can open to both sides, providing a large passage width (usually customizable to 1.2-2.4 meters), facilitating equipment transportation (such as surgical carts, production material turnover carts) or multiple people entering and exiting simultaneously, solving the limitation of narrow passages in single-leaf airtight doors.

Integrated privacy ventilation window design at the bottom of the door.

Technical Parameters

It features cleanliness, privacy, air circulation, and safer and more private application logic.

Electrical Technical Specifications

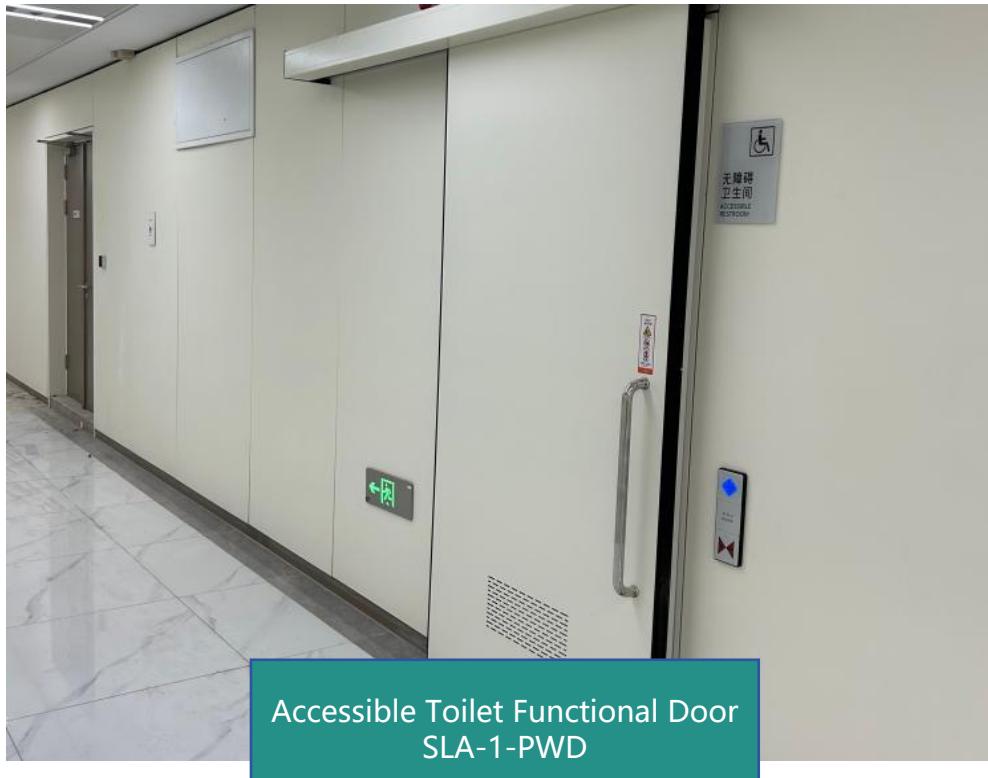
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	DC24V DC (with door-closing function)
Rated Power	67W
Standby Power	13W
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-15°C to 50°C
Ambient Temperature	-15°C to 50°C
Maximum Noise	<20dB

Operating Parameters

Adjustable Door Opening Speed	≤1m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×90Kg / 2×65Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth × Width)	600×85×124mm
Maximum Door Operator Length	1200mm
Passage Width of Single Sliding Door (Minimum/Maximum)	1500mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	1000mm
Maximum Height (Recommended Value)	2500mm



Main Application: Public accessible toilets for people with disabilities.

Easy-to-clean design: The door panels are mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Their surfaces have no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the requirements for equipment cleanliness specified in clean standards such as GMP and ISO.

Integrated privacy ventilation window design at the bottom of the door.

Technical Parameters

It features cleanliness, privacy, air circulation, and safer and more private application logic.

Electrical Technical Specifications

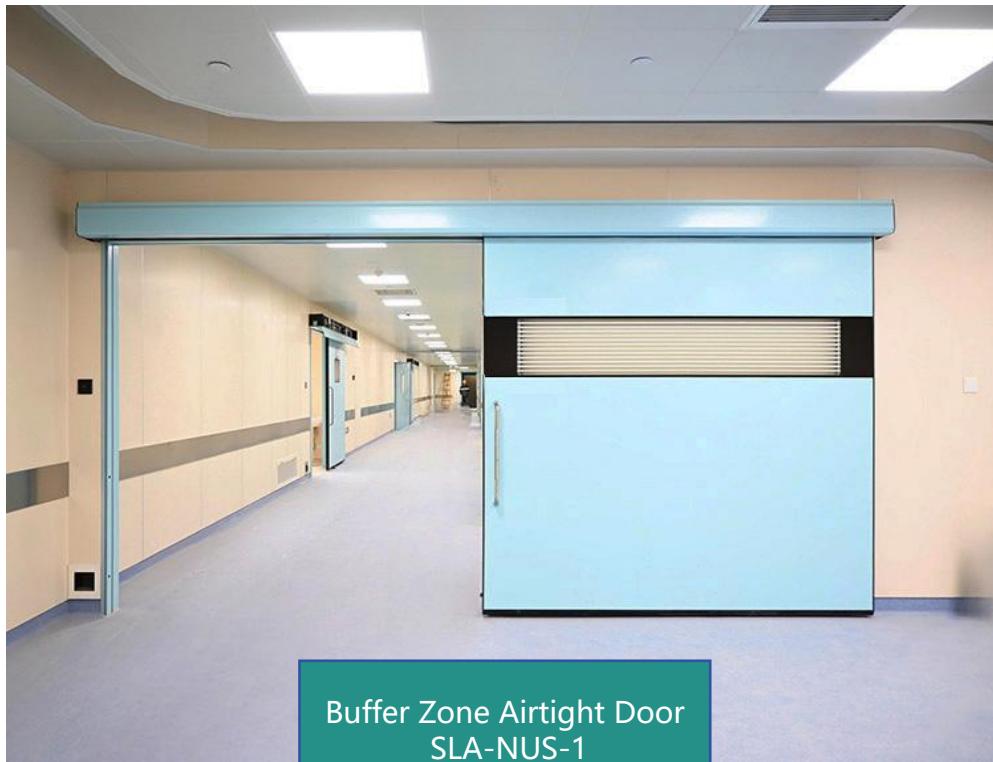
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	108×200mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Buffer Zone Airtight Door
SLA-NUS-1

Application: Nurse stations, operating room entrances, buffer zones, isolation areas, laboratories, dentistry, wound suture rooms, etc.

High airtight isolation: Through special sealing structures (such as silicone sealing strips, inflatable sealing devices), air leakage at the door gap is minimized after the door is closed, preventing pollutants such as dust, microorganisms, and odors outside the clean area from entering, and preventing sterile gas, precision materials, or specific gases (such as inert gases) in the clean area from leaking out.

Pressure gradient maintenance: Clean areas usually need to maintain specific air pressure (such as positive pressure to prevent external pollution intrusion; or negative pressure, such as in biosafety laboratories, to prevent internal pollutants from spreading). The sealing performance of the airtight door can effectively ensure the stable pressure difference between areas, avoiding the destruction of pressure balance in the clean environment due to air.

Technical Parameters

This door type can be selected as single-leaf, double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (2 units)
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×400Kg / 2×200Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×800Kg / 2×400Kg

Technical Specifications

Door Operator Size (Height × Depth)	187×210mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	900/3000mm
Maximum Height (Recommended Value)	2600mm



Main Application: Emergency, observation rooms, laboratories, buffer zones, fire partitions in clean areas.

Easy-to-clean design: The door panels are mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Their surfaces have no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the requirements for equipment cleanliness specified in clean standards such as GMP and ISO.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be selected as single-leaf, double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

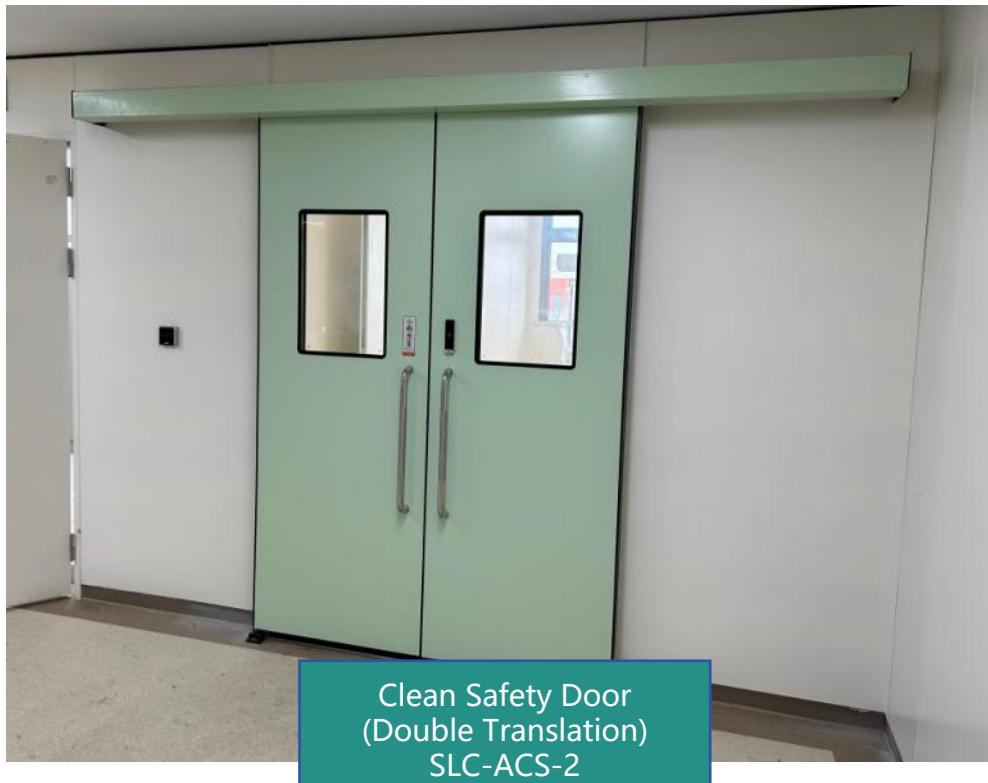
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	108×200mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Main Application: Emergency, family entrances, operating room entrances, isolation areas, buffer zones, fire partitions, laboratories, etc.

Easy-to-clean design: The door material mostly adopts smooth and corrosion-resistant materials such as HPL board, 304 stainless steel, and tempered glass, with no concave-convex gaps on the surface, which can reduce dust accumulation and is easy to wipe with disinfectants or clean with high-pressure water guns, meeting the cleanliness requirements of GMP, ISO and other clean standards for equipment.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be selected as single-leaf, double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×108mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Clean Airtight Door
(ICU Special)
SLA-AIR-1-120

Main Application: EICU, NICU, CCU, PICU, RICU, BICU.

Door Material: HPL, 304/316 stainless steel (thickness $\geq 1.2\text{mm}$), with smooth surface without dead corners, resistant to disinfection (can withstand chlorine-containing disinfectants, peracetic acid, etc.), meeting medical-grade surface antibacterial requirements (antibacterial rate $\geq 99\%$).

Internal filling: High-density polyurethane foam (thermal conductivity $\leq 0.024\text{W}/(\text{m}\cdot\text{K})$), with both thermal insulation and sound insulation functions (sound insulation $\geq 30\text{dB}$).

When the door is closed, it needs to cooperate with the ICU negative pressure system (the pressure difference between indoor and outdoor is usually -5Pa to -15Pa), ensuring that the leakage around the door is $\leq 0.1\text{m}^3/\text{h}$ (tested under the designed negative pressure value), avoiding a large amount of outdoor clean air infiltration or indoor polluted air leakage.

Technical Parameters

This door type can be selected as single-leaf, double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

Standard Power Supply	220~240V $\pm 6\%$ 50~60Hz
Optional Power Supply	100~120V $\pm 6\%$ 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	$\leq 0.8\text{m/s}$
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s^2
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	108×200mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Main Application: EICU, NICU, CCU, PICU, RICU, BICU.

Easy-to-clean design: The door material mostly adopts smooth and corrosion-resistant materials such as HPL, stainless steel, and tempered glass, with no concave-convex gaps on the surface, which can reduce dust accumulation and is easy to wipe with disinfectants or clean with high-pressure water guns, meeting the cleanliness requirements of GMP, ISO and other clean standards for equipment.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be selected as double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×108mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Main Application: Infusion rooms, emergency entrances, buffer zones, isolation areas, etc.

Easy-to-clean design: The door material mostly adopts smooth and corrosion-resistant materials such as HPL, stainless steel, and tempered glass, with no concave-convex gaps on the surface, which can reduce dust accumulation and is easy to wipe with disinfectants or clean with high-pressure water guns, meeting the cleanliness requirements of GMP, ISO and other clean standards for equipment.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be provided as double-leaf, for entrances of carts, large medical beds, equipment, etc.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×108mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Negative Pressure
Airtight Door (ICU)
SLA-AIR-OR-1

Main Application: EICU, NICU, CCU, PICU, RICU, BICU.

Easy-to-clean design: The door panels are mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Their surfaces have no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the equipment cleanliness requirements specified in clean standards like GMP and ISO.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can provide single-leaf airtightness.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (2 units)
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×175mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Fire-Resistant Airtight Door
(ICU Special)
SLC-FIR-120

Main Application: EICU, NICU, CCU, PICU, RICU, BICU.

Easy-to-clean design: The door panels are mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Their surfaces have no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the equipment cleanliness requirements specified in clean standards like GMP and ISO.

Anti-cross-contamination: Some airtight doors are equipped with interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by simultaneous connection of two adjacent areas (such as clean area and semi-clean area), especially suitable for high clean grade scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be selected as single-leaf airtight or non-airtight (with B1, A1 level options).

Electrical Technical Specifications

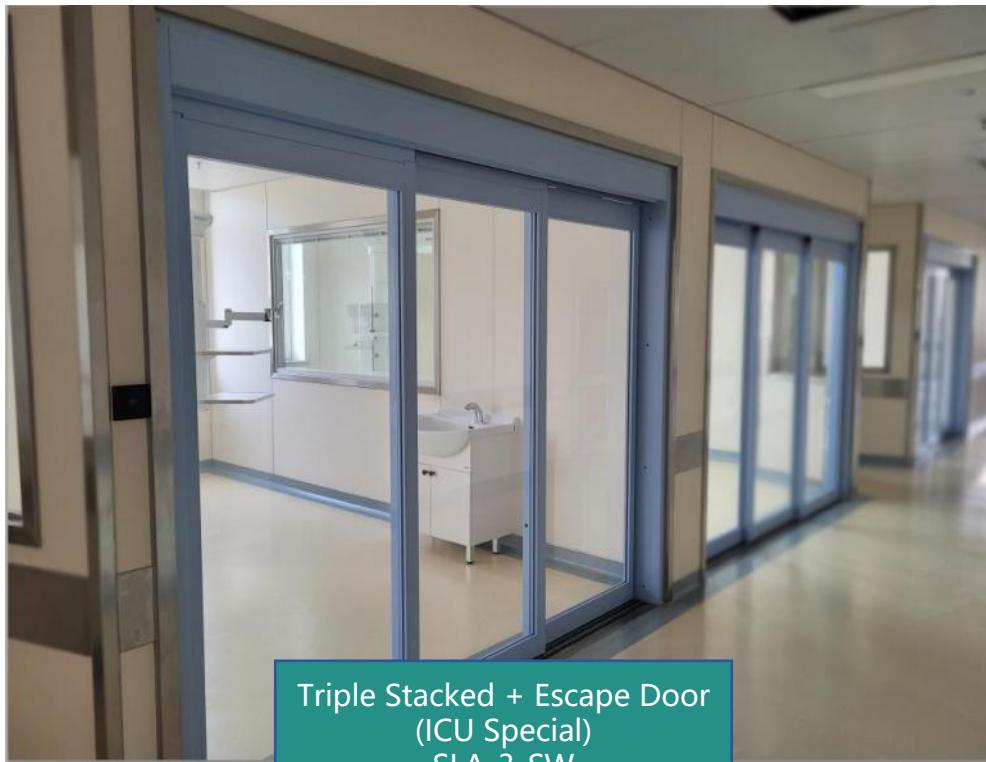
Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (2 units)
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	0.15 to 1m/s
Adjustable Door Closing Speed	0.15 to 1m/s
Maximum Acceleration	0.8-1.6m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×175mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Triple Stacked + Escape Door
(ICU Special)
SLA-3-SW

Main Application: OICU, IICU, AICU

Easy-to-clean Design: The door panels are mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Their surfaces have no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the equipment cleanliness requirements specified in clean standards like GMP and ISO.

Triple Stacked + Escape Door Function: Under normal conditions, it is automatically (sliding). When a patient on a bed is pushed in, the door can be manually opened in a side-swing mode, which is custom-applied to the small spaces of OICU, IICU and AICU wards.

Technical Parameters

This door type can provide triple stacking + emergency escape functions.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor (2 units)
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	175×100mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm



Main Application: EICU, NICU, CCU, PICU, RICU, BICU

Easy-to-clean Design: The door body is mostly made of smooth and corrosion-resistant materials such as HPL boards, stainless steel, and tempered glass. Its surface has no concave-convex gaps, which can reduce dust accumulation and facilitate cleaning with disinfectant wipes or high-pressure water guns. This meets the requirements for equipment cleanliness specified in clean standards such as GMP and ISO.

Anti-cross-contamination: Some airtight doors are equipped with an interlock function (such as double-door interlock), that is, when one door is open, the other door cannot be opened, avoiding air cross-contamination caused by the simultaneous connection of two adjacent areas (such as clean areas and semi-clean areas), which is especially suitable for high-cleanliness scenarios (such as operating rooms, sterile filling rooms).

Technical Parameters

This door type can be selected as single-leaf, double-leaf, airtight, or non-airtight.

Electrical Technical Specifications

Standard Power Supply	220~240V±6% 50~60Hz
Optional Power Supply	100~120V±6% 50~60Hz
Motor	AC36V low-voltage AC motor
Rated Power	250W
Standby Power	<10W
Frequency Conversion Technology	PMSM (FOC Field Oriented Control Technology)
Fuse	3.15A (220V) / 5A (110V)
Operating Temperature	-20°C to 50°C
Ambient Temperature	-20°C to 50°C
Backup Battery	1×12V DC700mAh

Operating Parameters

Adjustable Door Opening Speed	≤0.8m/s
Adjustable Door Closing Speed	0.15 to 0.6m/s
Maximum Acceleration	0.8m/s ²
Maximum Door Weight (Airtight Single/Double Opening)	1×150Kg / 2×90Kg
Maximum Door Weight (Lead Door Single/Double Opening)	1×200Kg / 2×150Kg

Technical Specifications

Door Operator Size (Height × Depth)	200×108mm
Maximum Door Operator Length	6000mm
Passage Width of Single Sliding Door (Minimum/Maximum)	495/1800mm
Passage Width of Double Sliding Doors (Minimum/Maximum)	800/3000mm
Maximum Height (Recommended Value)	2600mm

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