

# Technical Data Sheet

## ASSA ABLOY SL500 R92 Windload

**ASSA ABLOY**  
Entrance Systems

Experience a safer  
and more open world



The ASSA ABLOY R92 Windload features a durable functionality & sleek aesthetics that provides defense against wind pressures up to 55 psf when door is closed and locked. Designed to accommodate a range of sizes, the SL500 R92 Windload can accommodate spaces up to 96" wide for single slide, 192" wide for bi-part and 92" high. With a wide variety of features and options, the SL500 R92 Windload is the ultimate choice for any high-traffic environment where wind protection is needed.

### Features

- ANSI/BHMA A156.10 American National Standard for Power Operated Pedestrian Doors compliant
- ASTM E283 for air leakage rate below 1.0 CFM/square foot with Eco-Seal option
- Full dry-glazed system that allows for glass replacement on site
- Attractive lock bodies that allow for single point of release per operable panel
- Optional full-length recessed threshold
- Emergency breakout to meet Life Safety Codes
- Forced Entry Rating Grade 10
- Defense against winds up to 55 psf\*
- U-Value - paired with optional insulated glass allows you to maintain indoor temperature when the door is closed, meaning maximum comfort as well as energy savings.

### Optional Features

- **Convenience Battery:** Capable of full operation with black out conditions, including sensor capabilities for minimum of 100 cycles.
- **Digital Cycle Counter:** Battery powered, 7 digit LCD cycle counter with a reset feature to track door usage cycles

### Access Control Package

#### Electric Lock Management (Optional)

Electrified slide lock automatically locks the sliding function of all sliding door panels within the entrance when the door panels are in the closed position.

- **Fail secure operation:** Slide lock shall lock the sliding function of the door panels upon loss of power.
- **Fail safe operation:** Slide lock shall unlock the sliding function of the door panels upon loss of power.

### Exit Device (Optional)

Locks the breakout function while allowing emergency egress at all times. Automatic locking for the sliding door when the door control switch is in the closed position.

- Optional surface mounted panic device available to comply with NFPA 101 Emergency egress requirements.
- Panic device was not part of tested configuration

### Activation

#### Sensor Package

#### ANSI/BHMA A156.10 compliant

Combination Activation Motion Sensor/Safety Presence Sensor utilizing K-band microwave technology

1. Motion Sensor to activate door
2. Presence Detector while door is closing, mounted on each side of header

### Knowing Act/Manual Activation

1. Push Plates to activate door
2. Presence Detector mounted on each side of header

### Approvals/Code Compliances

1. ANSI/BHMA A156.10, ICC A117.1,
2. AAMA 1304 & ASTM F842
3. ICC/IBC - International Building Code.
4. UL/CUL - Approved for use in Canada and USA.
5. NFPA 70 - National Electrical Code.
6. NFPA 101 - Life Safety Code.

\*The 55psf rating is the maximum pressure this product was tested to given the stated sizes.



Bi-Parting Narrow Stile			Single Slide Narrow Stile		
	Min	Max		Min	Max
Frame Width	96"	192"	Frame Width	84"	96"
Clear Opening	45 3/4"	81 3/4"	Clear Opening	32"	46"
Mounting Height	90"	92"	Mounting Height	90"	92"

Authorities	
Operator Type	DC Electro-mechanical 1/4 HP
Max Panel Width	Narrow Stile: Bi-Part is 48-3/4", single slide 54-3/4" (narrow)
Door Weight	max weight 300lbs.
Power Supply	85V-265V adjusting automatically
Power Consumption	250W
AMP Requirements	A maximum of 3 amp draw, allowing 5 operators on one 20 amp circuit
Electro-Mechanical Locking Device	Fail Safe/Fail Secure
Impact Levels/Glass Compatibility	Non-Impact, 9/16 and 1" glass stops with various glass choices
Opening Time	1.5 Sec. Max. size* (700mm/sec.)
Closing Time	3.5 Sec. Max. size*
Hold Open Time	0-60 adjustable
Ambient Temperature	-31° F to 122° F (-35° C to 50° C)
Usage	This product can be installed internally or externally with suitable weather protection
Complies and exceeds	ANSI/BHMA A156.10, ICCA117.1, ICC/IBC - International Building Code, CUL - Approved for use in Canada, NFPA 70 - National Electrical Code, NFPA 101 - Life Safety Code.

\*Consult ASSA ABLOY for custom configurations

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## Aesthetics

### Anodized Finish:

Clear, Dark Bronze, Custom anodized to match architects sample.

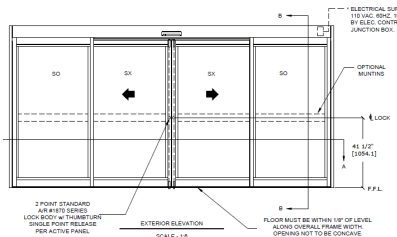
### Painted Finish:

Powder coat painted to match architect's specs.

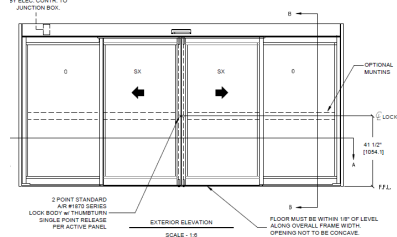
Kynar finish, to match architect's sample.

## Configurations

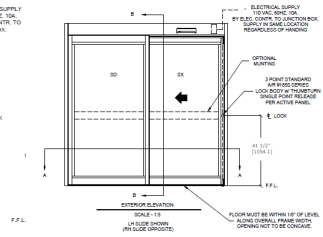
	Narrow	Medium
Vertical Stiles	2-1/4"	4"
Bottom Rails	4"	7" & 10"



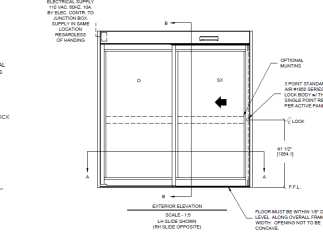
SL500 Resilience R92 FBO  
Bi-Parting Narrow Stile



SL500 Resilience R92 FSL  
Bi-Parting Narrow Stile



SL500 Resilience R92 FBO  
Single Slide Narrow Stile



SL500 Resilience R92 FSL  
Single Slide Narrow Stile

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