

KEY FEATURES

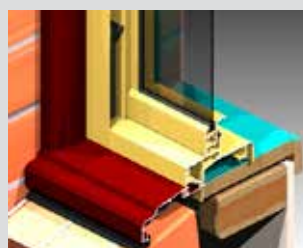
- 50mm frame, high performance residential double-hung window. Finger grip built into the top and bottom sash rails.
- Sashes will bypass each other to allow cleaning of all glass from inside the building.
- Series 514 double-hung sashes can be secured with custom designed cam lock or industry standard crescent type lock. Both come in key and non-key locking and can be colour matched to the window frame.
- Sashes run on spring balances with adjustable shoes.
- Heavy duty interlocking meeting rails.
- Sash support shoe is recessed up into the external meeting rail and the bottom rail to reduce the chance of shoe damage.
- Fixed sill has built-in drainage to take care of condensation.
- 102mm frame extender available.
- Fixed highlight/lowlight glass is hard up against the outer face, no ledges to catch dust and beaded from the inside. This allows reglazing without expensive scaffolding.



Our standard sill performs well and is suitable for most residential locations. We also offer a tubular sump sill, shown above, for exposed locations.



The detail above shows our heavy duty meeting rail and the recessed sash support shoe. Recessing the shoe is important, as it protects the shoe when the sash is fully opened down to the sash stop.



The detail above shows the ultimate frame finish with Longreach frame extender and the Paddington federation trims. The Paddington trims can be coloured to match, or contrast.



If you are looking for a bold frame section, consider ordering your 514 with the Longreach frame extender. The frame now grows in thickness from 50mm to 102mm and grows in width by 25mm all round.

GENERAL

Max Panel Height*
1050mm

Max Panel Width*
1010

Max Glass Thickness
6.76mm (7.52 w/adaptor)

Frame Depth
50mm

ENERGY

UW Range
4.3-6.2

SHGC Range
0.31-0.74

WEATHER

Maximum Water
300 Pa.

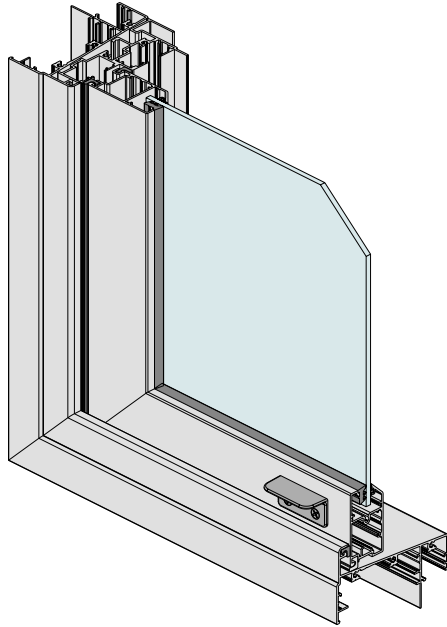
ACOUSTICS

7.25mm Lam
30 (-2;-3)

5mm Float
28 (-2;-3)

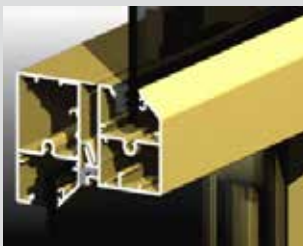
6.38mm Lam
29 (-3;-4)



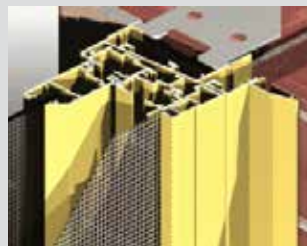


KEY FEATURES

- Series 613 Double-Hung Windows give the solid appearance of timber with all the benefits of aluminium: strength, weather performance, sound reduction, high performance powder coat and anodised finishes, security and flyscreening.
- The window has been tested for compliance with the relevant Australian Standards achieving a high water resistance of 300Pa.
- 102mm frame, mullion and transom have a soft 2mm internal radius.
- Both sashes can be hinged back into the room to allow cleaning of both sides of the glass from inside, without having to remove the flyscreen.
- Sashes can be secured with the Vantage custom key or non-key locking cam handle.
- Can be fitted with external flyscreens within the frame line.
- This window will accept glass from 4mm to 20mm thick. Dedicated sashes to accept the 20mm IGUs (double glazed sashes are not splayed).



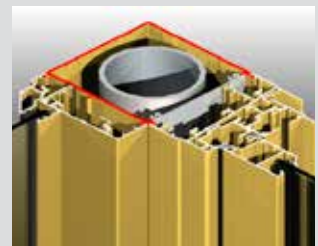
The wide sashes have been designed to accept a variety of glass thicknesses including 20mm insulating glass.



The window is designed to accept flyscreens within the main frame. The screen is kept secure with custom nylon spring clips – no rattling and no rust.



Custom designed locking mechanism. Roll the operation handle over 180° to lock/unlock. Lock can be coloured to match sash as detailed.



There are numerous snap couplers that allow us to join window to window or window to door. The illustration above shows the 90° corner coupler designed to wrap around support posts. No unsightly rivets or screws required.

GENERAL

Max Panel Height*
1009mm

Max Panel Width*
1090mm

Max Glass Thickness
20mm

Frame Depth
102mm

ENERGY

UW Range
3.7-6.5

SHGC Range
0.19-0.57

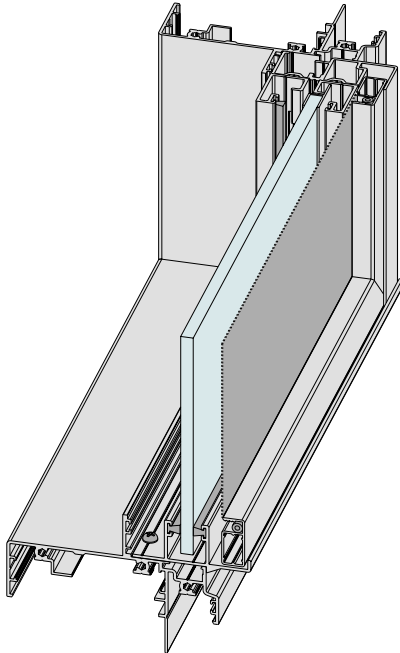
WEATHER

Maximum Water
300 Pa.

ACOUSTICS

6.38mm Lam
30 (0;-1)





KEY FEATURES

- This full vision vertical sliding sashless double-hung window has been designed to complement our Designer Series range of high performance windows and doors.
- The window has been tested for compliance with the relevant Australian Standards and achieved a high water resistance of 300Pa.
- Offers clear unobtrusive vision as there are no horizontal central sash rails. As one sash is lifted the other lowers (the sashes are counterbalanced via cords and pulleys).
- ClearVENT™ windows can be fitted with external flyscreens.
- Ideal for incorporation into bi-fold or hinged doors where ventilation is required when doors are not in an open position.
- The window is compatible with Designer Series windows and doors, a large range of snap couplers allow these windows to be joined at 90°, 135° and 180° without unsightly rivets or screws.



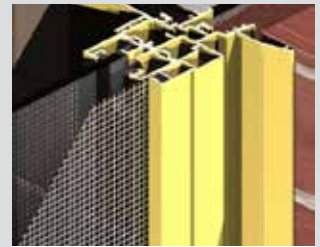
One sheet of glass counterbalances the weight of the other via a heavy duty ball bearing pulley (rated to 300kg) and high strength cord (rated to 300kg).



Key press lock standard on ClearVENT™ windows.



Two panes of glass slide silently past each other within aluminium guides which fit neatly into the perimeter frame.



Flyscreen fits neatly into screen receptor channels leaving no unsightly recesses for spiders or dust. Screens are secured with custom nylon spring clips that stop the screens from rattling.

GENERAL

Max Panel Height*
1010mm

Max Panel Width*
1210mm

Max Glass Thickness
6mm

Frame Depth
102mm

ENERGY

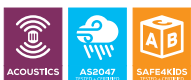
This system has not been WERS rated.

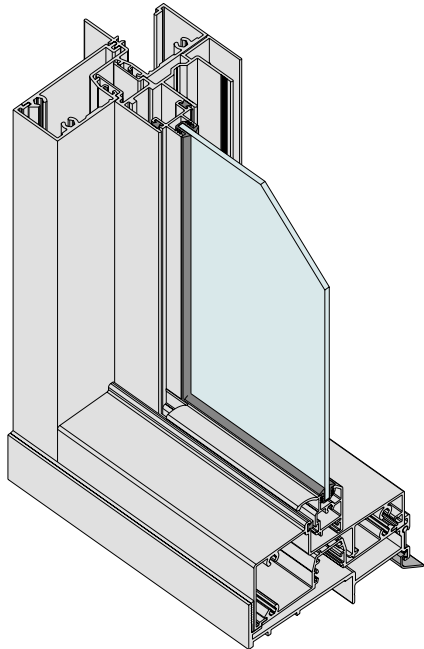
WEATHER

Maximum Water
300 Pa.

ACOUSTICS

6mm Float
26 (0,0)



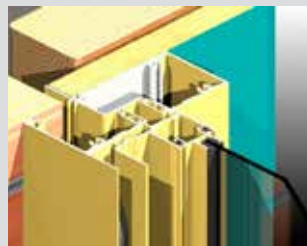


KEY FEATURES

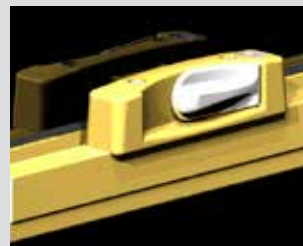
- Vertical sliding double-hung sashes inlaid directly into commercial framing.
- Flyscreens tuck into dedicated recess in the jamb inlay adaptor, supported with concealed nylon clips.
- Sashes will bypass each other to allow cleaning of all glass from inside the building.
- Custom heavy duty key-lockable catch with die-cast keeper.
- Standard 30mm nailing fin jamb as illustrated left or alternative 44mm wide jamb.
- Fixed lowlights can be glazed from the inside in elevated situations by reversing the removable glazing beads and fitting a custom captive wedge to the outside.
- Nailing fin frame makes the product suitable for cavity brick and brick veneer construction.
- Matching horizontal sliding sashes into commercial framing, refer Series 452.
- Dedicated 90° and 135° corner mullions available.



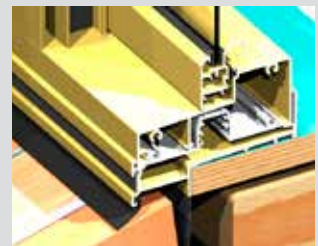
Standard 30mm jamb with built-in nailing fin/weather bar into brick veneer wall illustrated above.



Alternative bold 44mm wide jamb with built-in nailing fin/weather bar illustrated above. Both 30mm and 40mm frames will accept height adjustable galvanised building-in lugs.



Custom lock option. Roll the handle over 180° to lock/unlock. This illustration also shows the heavy meeting stiles used on Series 453 double-hung windows.



The nailing fin sub-sill shown above is standard on Series 453 windows. Ideal for brick veneer (shown above) or cavity brick wall construction.

GENERAL

Max Panel Height*
1050mm

Max Panel Width*
1155mm

Max Glass Thickness
7.50mm

Frame Depth
102mm

ENERGY

UW Range
4.9-6.5

SHGC Range
0.29-0.64

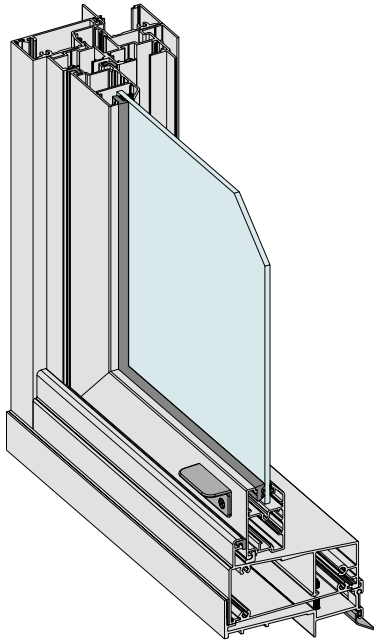
WEATHER

Maximum water
200 Pa.

ACOUSTICS

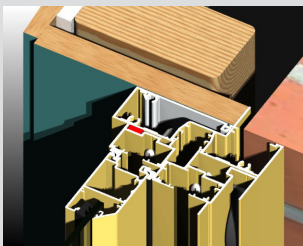
This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 514.



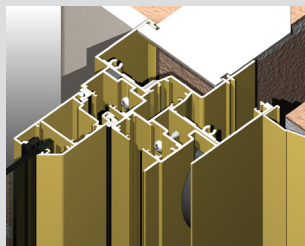


KEY FEATURES

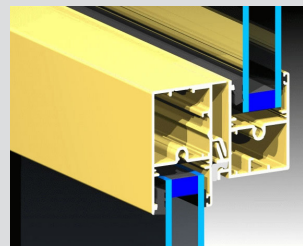
- 102mm wide perimeter frame designed to make installation into brick veneer and cavity brick easier with built-in nailing fins.
- Extra strong sashes allow large sash windows to be fabricated for high wind load areas.
- Both sashes can be hinged back into the room to allow cleaning of both sides of the glass from inside.
- Sashes can be secured with custom key or non-key locking cam handle.
- Series 463 double-hung sashes can also be fitted with die-cast Federation horns for a more classic look.
- Double-hung windows can be fitted with external flyscreens within the frame line, no turn-buckles required.
- 90° and 135° corner mullions for box and bay windows available.



Standard 30mm jamb with built-in nailing fin/ weather bar into brick veneer wall illustrated above.



Series 463 has bold commercial frame. Alternative 44mm. Both 30mm standard and 44mm wide nailing fin frames will accept height adjustable galvanised building-in lugs.



Accepts all glazing types up to 20mm. The dedicated sashes shown above have been specifically designed to accept 20mm IGUs.



Federation sash horns standard. Also available without sash horns. The bold sashes on Series 463 are significantly stronger than conventional aluminium residential windows.

GENERAL

Max Panel Height*
1050mm

Max Panel Width*
1155mm

Max Glass Thickness
20mm

Frame Depth
102mm

ENERGY

UW Range
3.6-6.5

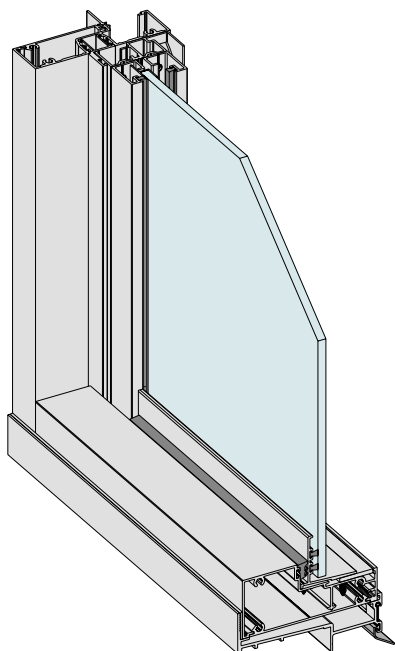
SHGC Range
0.20-0.58

WEATHER

Maximum Water
450 Pa.

ACOUSTICS

This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 613.



KEY FEATURES

- This full vision vertical sliding, sashless double-hung window has been created in 102mm commercial framing.
- 102mm wide perimeter frame designed to make installation into brick veneer and cavity brick easier with built-in nailing fins.
- Sashes can be secured with key locking shoot bolt.
- ClearVENT™ offers clear unobtrusive vision as there are no horizontal central sash rails. As one sash is lifted the other lowers (the sashes are joined via cords and pulleys).
- A fixed sill glass panel can be fitted into the ClearVENT™ window to make it easy to get top ventilation only.
- ClearVENT™ windows can be fitted with external flyscreens within the main frame. No unsightly screws or turn buckles.
- ClearVENT™ vertical sliding sashes can also be installed into Series 50 or 51 hinged and Bi-fold door panels.



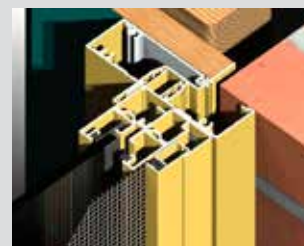
We offer standard double-hung sashes as shown above right and sashes with fixed lower panel to shield the lower opening when sashes are opened.



Press button key lock is standard on Series 464 ClearVENT™ sashes.



Alternative bold 44mm wide jamb with built-in nailing fin/weather bar. Both 30mm standard and 44mm wide nailing fin frames will accept height adjustable galvanised building-in lugs.



Integrated screening option available. Standard 30mm jamb with built-in nailing fin/weather bar into brick veneer wall illustrated above.

GENERAL

Max Panel Height*
1010mm

Max Panel Width*
1210mm

Max Glass Thickness
6.38mm

Frame Depth
102mm

ENERGY

UW Range

SHGC Range

WEATHER

Maximum Water
300 Pa.

ACOUSTICS

This product has not been acoustics tested. AWS anticipates this product's acoustic performance will be in-line with Series 614.

