

# Design limitations

Maximum window size (depending on window configuration) is 3005mm wide x 2705mm high.

	Max Sash Weight	Minimum frame size mm		Maximum frame size mm		Minimum frame sizes for Fire Escape mm	
		Width	Height	Width	Height	Width	Height
<b>Projecting Hinge</b> (Side hung)	30kg	450	664	895** 825	1380 1495**	768*	878
<b>Butt Hinge</b> (Side hung)	45kg	450	450	895** 825	1380 1495**	630	875
<b>Side Turn</b> (Fully reversible)	50kg	512	664	895** 825	1380 1495**	712*	878
<b>Top Turn</b> (Fully reversible)	60kg	512	418	1495** 1255	1325 1580**	878	868*
<b>Fixed Sash</b>	N/A	300	310	3000	2700	N/A	N/A

\*\*Indicates the Max Frame Height/Width.  
\* Indicates the 450mm clear opening. This is the absolute min.



JELD-WEN UK  
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# The Combi Hi Profile Window



# Glazing

Hi Profile Combi window can incorporate double or triple glazed units of up to 28mm. (Standard is 4/16/4mm) The factory glazing system used is a fully drained and vented method with internal beading.

Specialist glazing is available upon request, ie. for improved acoustic and thermal performance.

Top-hung



Projecting



Side-hung



Butt



# Combi Hi Profile



RELIABILITY for real life®



# Hi-Profile

The new Hi-Profile Combi advanced window system offers the specifier total flexibility in window design and configuration.

Combining a wide range of operational options, thermal and acoustic performance with consistent looks and sight lines – promising great durability and easy maintenance.

The internal beading design reduces external maintenance and significantly enhances perceived security.

Supplied as standard factory glazed with 24mm Low-E argon filled insulating glass units with a centre pane U-value of 1.2W/m<sup>2</sup>k achieving a whole window thermal transmittance of 1.5W/m<sup>2</sup>k.



Hi-Profile Combi in grey RAL 7037 factory finish

## Mode of operation

- Top turn – fully reversible\*
- Side turn – fully reversible\*
- Top hung – projecting hinges
- Side hung – butt hinges
- Side hung – projecting hinges

## Performance

- Tested to BS6375: Part 1: 1989
- Tested to and meets the requirements of BS6375: Part 2: 1987



\*Secure by Design option available



Hi-Profile Combi top turn, factory finish in white

## Ventilation

- Geometric area 4000mm<sup>2</sup> ventilation performance equivalent area 2244mm<sup>2</sup>  
For windows below 900mm and above 488mm
- Geometric area 8000mm<sup>2</sup> ventilation performance equivalent area 4488mm<sup>2</sup> for windows above 900mm

Wider windows are capable of receiving 3 or more ventilators to aid in achieving the requirements of Approved Document F please contact JELD-WEN to discuss your requirements.



## Options

**Finishes:** Base coat stained or primed through to fully factory finished Hi-Build paint or stain

**Ventilators:** Brown or white, designed to fit within the frame head internally with a hood to the exterior.

**Handles:** White, brown, chrome effect and gold effect.

**Ironmongery:** Supplied with cockspur handles and keeps as standard. Locking or non-locking are available. Espagnolette locking available as an option.

**Glass:** Factory glazed as standard with 24mm clear soft-coat Low-E argon filled insulating glass units and a warm edge technology spacer bar. A centre pane U-value of 1.2W/m<sup>2</sup>K. Whole window thermal transmittance of 1.5 W/m<sup>2</sup>K.

Other options are available upon request to achieve decorative, acoustic or thermal performance.

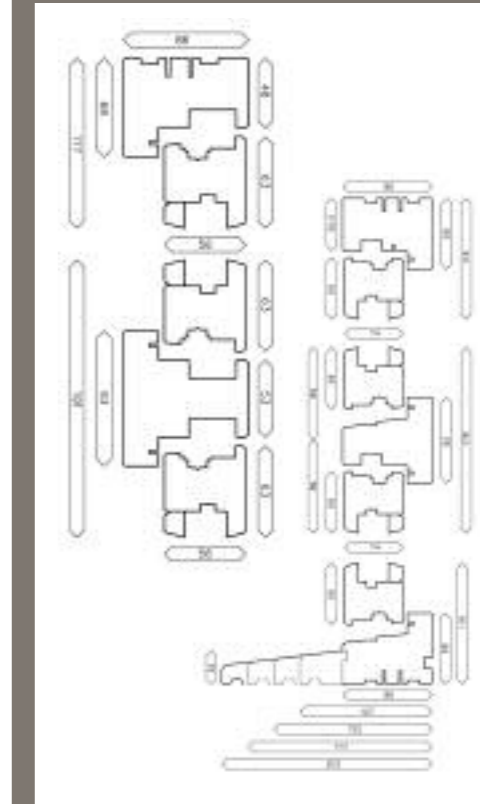
**Sills:** supplied as standard with a 86mm flush nominal sill. 127, 152, 177 and 202mm options available.

**Secured by Design:** Available as an option our windows provide enhanced security to meet the requirements of BS 7950: 1997. These include shoot bolt espagnolette locking.

**Cavity closers:** A complimentary cavity closer system is available to allow the finished window to be installed later in the build programme thus reducing the potential opportunity for damage to the window, finish and glazing to occur.



## Construction



**Timber** - supplied as standard manufactured from softwood, protected with an advanced preservative system. Also available in selected quality hardwood. Factory finished softwood windows are supplied as standard in engineered knot-free timber.

All softwood is PEFC Chain of Custody certified.

## Hinges

**Fully reversible top hung**, complete with integral key lockable safety restrictor. Allows ease of cleaning and an excellent means of escape in case of fire or other emergency.



Press to open



Lockable safety restrictor

**Fully reversible side turn**, fully reversible vertical sash through 180 degrees for ease of cleaning and means of escape. (pictured)

**Butt hinges**, outward opening sash

**Side hung projecting**, outward opening sash on heavy-duty friction stays for ease of cleaning.

