

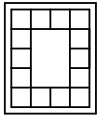


Rectangular Grille Designs - Ladder

Ladder Grille

- Standard Spacing
- Number of vertical and horizontal grilles are determined by the standard spacing as illustrated in Grille #1
- Illustrations based on 1200mm W X 1500mm H window

1000

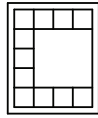


Minimum Size
961mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1001

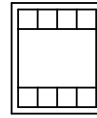


Minimum Size
285mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1002

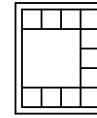


Minimum Size
285mm W x 661mm H

Maximum Size - Narrow Bar
1800mm W x 2400mm H

Maximum Size - Wide Bar
1800mm W x 2400mm H

1003

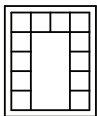


Minimum Size
285mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1005

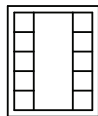


Minimum Size
661mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1006

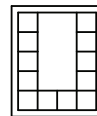


Minimum Size
661mm W x 285mm H

Maximum Size - Narrow Bar
2400mm W x 1800mm H

Maximum Size - Wide Bar
2400mm W x 2020mm H

1007

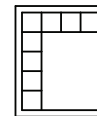


Minimum Size
661mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1011

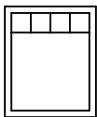


Minimum Size
661mm W x 285mm H or
661mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1012 *

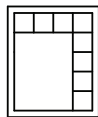


Minimum Size
285mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 2400mm H

Maximum Size - Wide Bar
1800mm W x 2400mm H

1013

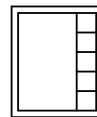


Minimum Size
285mm W x 661mm H or
661mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1014

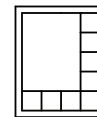


Minimum Size
285mm W x 285mm H

Maximum Size - Narrow Bar
2400mm W x 1800mm H

Maximum Size - Wide Bar
2400mm W x 2020mm H

1015

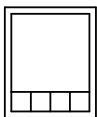


Minimum Size
285mm W x 661mm H or
661mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1016

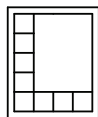


Minimum Size
285mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 2400mm H

Maximum Size - Wide Bar
1800mm W x 2400mm H

1017

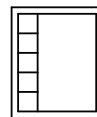


Minimum Size
285mm W x 661mm H or
661mm W x 285mm H

Maximum Size - Narrow Bar
1800mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 2020mm H

1018

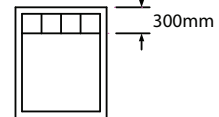


Minimum Size
285mm W x 285mm H

Maximum Size - Narrow Bar
2400mm W x 1800mm H

Maximum Size - Wide Bar
2400mm W x 2020mm H

1020 **

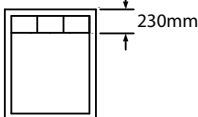


Minimum Size
285mm W x 961mm H

Maximum Size - Narrow Bar
1800mm W x 2400mm H

Maximum Size - Wide Bar
1800mm W x 2400mm H

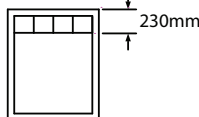
1030



Minimum Size
285mm W x 661mm H

Maximum Size
1800mm W x 2400mm H or
2400mm W x 1800mm H

1031



Minimum Size
285mm W x 661mm H

Maximum Size
1800mm W x 2400mm H or
2400mm W x 1800mm H

* Horizontal grille spacing for grille #1012 will be standard based on the total height of the unit. Vertical grille spacing will also be standard. Be aware that windows of different heights may not line up with each other using grille #1012. If it is important for windows of different heights to line up use grille #1020.

** Horizontal grille spacing for grille #1020 will be 300mm from OSM of frame. This spacing will be constant regardless of the height of the unit. Vertical spacing will be standard.

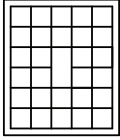


Rectangular Grille Designs - Ladder

Double Ladder Grille

- Standard Spacing
- Number of vertical and horizontal grilles are determined by standard spacing as illustrated in grille #1
- Illustrations based on 1500mm W x 1800mm H window or maximum W x 1800mm H

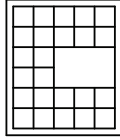
1100



Minimum Size
1561mm W x 1561mm H

Maximum Size
2000mm W x 1800mm H

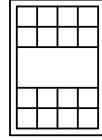
1101



Minimum Size
661mm W x 1561mm H or
961mm W x 1261mm H

Maximum Size
2000mm W x 1800mm H

1102

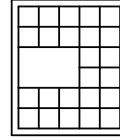


Minimum Size
286mm W x 1261mm H

Maximum Size - Narrow Bar
1500mm W x 2400mm H

Maximum Size - Wide Bar
1800mm W x 2400mm H

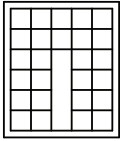
1103



Minimum Size
961mm W x 1261mm H or
661mm W x 1561mm H

Maximum Size Narrow Bar
2000mm W x 1800mm H

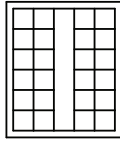
1105



Minimum Size
1261mm W x 961mm H or
1561mm W x 661mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

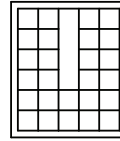
1106



Minimum Size
1261mm W x 285mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

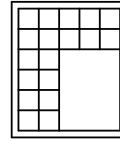
1107



Minimum Size
1261mm W x 961mm H or
1561mm W x 661mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

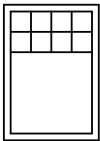
1111



Minimum Size
661mm W x 961mm H or
961mm W x 661mm H

Maximum Size
2000mm W x 1800mm H or
1800mm W x 2400mm H

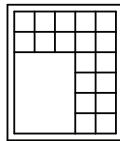
1112 *



Minimum Size
285mm W x 661mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

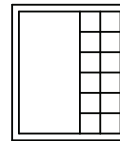
1113



Minimum Size
661mm W x 961mm H or
961mm W x 661mm H

Maximum Size
2000mm W x 2400mm H

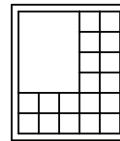
1114



Minimum Size
661mm W x 285mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

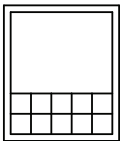
1115



Minimum Size
661mm W x 961mm H or
961mm W x 661mm H

Maximum Size
2000mm W x 2400mm H

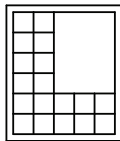
1116



Minimum Size
285mm W x 661mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

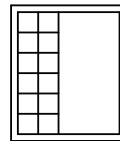
1117



Minimum Size
661mm W x 961mm H or
961mm W x 661mm H

Maximum Size
2000mm W x 1800mm H or
1800mm W x 2400mm H

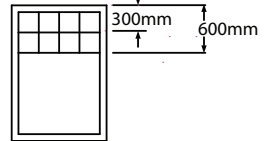
1118



Minimum Size
661mm W x 285mm H

Maximum Size
2400mm W x 1800mm H or
1800mm W x 2400mm H

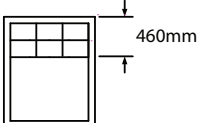
1120 **



Minimum Size
285mm W x 700mm H

Maximum Size
1200mm W x 2400mm H

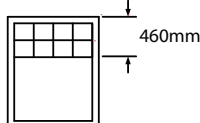
1130



Minimum Size
285mm W x 661mm H

Maximum Size
1800mm W x 2400mm H or
2400mm W x 1800mm H

1131



Minimum Size
285mm W x 661mm H

Maximum Size
1800mm W x 2400mm H or
2400mm W x 1800mm H

* Horizontal grille spacing for grille #1112 will be standard based on the total height of the unit. Vertical grille spacing will also be standard. Be aware that windows of different heights may not line up with each other using grille #1112. If it is important for windows of different heights to line up use grille #1120.

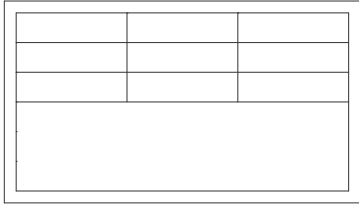
** For grille #1120 the first horizontal grille bar will be 300mm from OSM of frame. The second grille bar will be 600mm from OSM of frame (300mm between grille bars). This spacing will be constant regardless of the height of the unit. Vertical spacing will be standard.



Rectangular Grille Designs - Ladder

Grille in top half of sealed unit only

1125



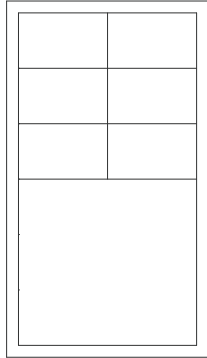
Minimum Size
285mm W x 661mm H

Maximum Size
1500mm W x 1800mm H

Maximum Size - Narrow Bar
1500mm W x 1800mm H

Maximum Size - Wide Bar
1800mm W x 1800mm H

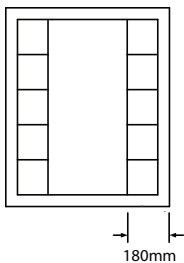
1125



- Standard vertical spacing
- Bottom horizontal grille is located at center of window height
- For horizontal grille spacing refer to chart below
- Will not line up horizontally with standard spaced grilles
- Grilles in windows of differing heights will not line up horizontally
- Will not line up with grilles in curved product

OSM height of window	Number of horizontal grille bars
285mm - 660mm	1 horizontal grille bar
661mm - 1260mm	2 horizontal grille bars
1261mm - 1860mm	3 horizontal grille bars
1861mm - 2400mm	4 horizontal grille bars

1206



Minimum Size
410mm W x 285mm H

Maximum Size - Narrow Bar
2400mm W x 1800mm H

Maximum Size - Wide Bar
2400mm W x 2020mm H