

048 Series Awning Window

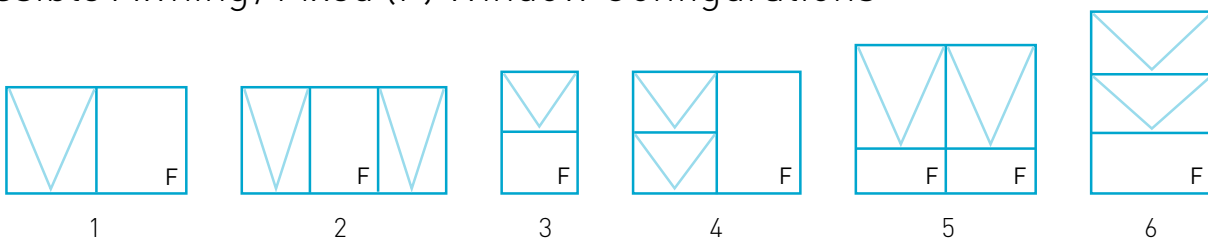
Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	650							
	950							
	1250							
	1550							
1850								

Possible Awning/Fixed (F) Window Configurations



Product Specific Notes:

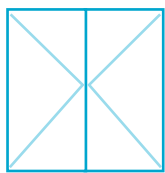
- Sizes detailed above are based on 'top hung' sashes with chainwinder. Certain sizes may not be available if stays and cam handle hardware option is specified.
- Black chainwinders supplied as standard. White, Silver and keyed chainwinders available on request (additional cost applies).
- Configurations greater than 2410mm wide available.
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.
- Minimum window width for a 'centre drive' chainwinder is 540mm. Minimum window width for 'off-centre drive' winder is 450mm.

048 Series Casement Window

Standard Size Range / Configurations

		Width (mm)						
		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
Height (mm)	950							
	1250							
	1550							

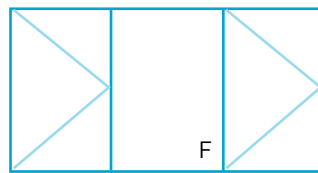
Possible Casement/Fixed (F) Window Configurations



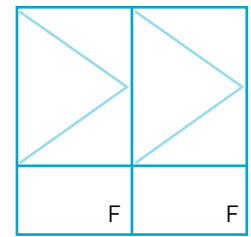
1



2



3



4

Opening Options:

Left Hand Hinged

Window opens (hinges) to the left and handle positioned on the right as viewed from the outside.

Right Hand Hinged

Window opens (hinges) to the right and handle positioned on the left as viewed from the outside.

Product Specific Notes:

- When ordering, nominate the handing of the window, ie. the position, either left or right, of the handle as viewed from the outside.
- Multiple bay configurations will be supplied in equal splits unless requested otherwise.
- Black hardware supplied as standard (excluding stays). White, silver and keyed handles available on request (additional charge applies).

050 Series Louvre Window Standard Heights

102mm ALTAIR® LOUVRE				130mm ALTAIR® LOUVRE				152mm ALTAIR® LOUVRE			
GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME	GALLERIES ONLY		48mm FRAME	101mm FRAME
Blades	mm	mm	mm	Blades	mm	mm	mm	Blades	mm	mm	mm
3	310	336	361	2	270	296	321	2	320	346	371
4	400	426	451	3	388	414	439	3	460	486	511
5	490	516	541	4	506	532	557	4	600	626	651
6	580	606	631	5	624	650	675	5	740	766	791
7	670	696	721	6	742	768	793	6	880	906	931
8	760	786	811	7	860	886	911	7	1020	1046	1071
9	850	876	901	8	978	1004	1029	8	1160	1186	1211
10	940	966	991	9	1096	1122	1147	9	1300	1326	1351
11	1030	1056	1081	10	1214	1240	1265	10	1440	1466	1491
12	1120	1146	1171	11	1332	1358	1383	11	1580	1606	1631
13	1210	1236	1261	12	1450	1476	1501	12	1720	1746	1771
14	1300	1326	1351	13	1568	1594	1619	13	1860	1886	1911
15	1390	1416	1441	14	1686	1712	1737	14	2000	2026	2051
16	1480	1506	1531	15	1804	1830	1855	15	2140	2166	2191
17	1570	1596	1621	16	1922	1948	1973	16	2280	2306	2331
18	1660	1686	1711	17	2040	2066	2091	17	2420	2446	2471
19	1750	1776	1801	18	2158	2184	2209	18	2560	2586	2611
20	1840	1866	1891	19	2276	2302	2327	19	2700	2726	2751
21	1930	1956	1981	20	2394	2420	2445	20	2840	2866	2891
22	2020	2046	2071	21	2512	2538	2563	21	2980	3006	3031
23	2110	2136	2161	22	2630	2656	2681	22	3120	3146	3171
24	2200	2226	2251	23	2748	2774	2799				
25	2290	2316	2341	24	2866	2892	2917				
26	2380	2406	2431								
27	2470	2496	2521								
28	2560	2586	2611								
29	2650	2676	2701								
30	2740	2766	2791								
31	2830	2856	2881								
32	2920	2946	2971								

Maximum Frame Width (mm) / General Pressures / 101mm Frame

Wind Rating - General	SLS / ULS Pressures	6mm Toughened Glass Blades	6mm Annealed / 6.38mm Laminated Glass Blades	Aluminium Blades
N1 - N3	600 / 1400 Pa	1050mm	930mm	1050mm
N4	800 / 2000 Pa	1050mm	780mm	
N5	1200 / 3000 Pa	1050mm	630mm	
C1	600 / 1800 Pa	1050mm	820mm	
C2	800 / 2700 Pa	1050mm	670mm	
C3	1200 / 4000 Pa	900mm	550mm	

Notes:

- Applies to 102, 130 & 152mm blades
- Maximum widths are calculated in accordance with AS 1288 (for windloads)
- Water performance requirements may reduce gallery height (ie. number of blades high) and maximum blade width
- Consult your G.James representative for external corner pressure zones as classified under AS 4055.

Product Specific Notes:

- When ordering, nominate width of clip (either 102, 130 or 152mm) and frame width (either 48 or 101mm).
- Frame option dependent on water penetration requirements
- Altair 'Standard' handle supplied as standard. Low profile, keyed and ring pull handles available on request (additional charge applies).
- All dimensions refer to single bay units.
- Black handle(s) and clips supplied as standard. White & grey handle and clips available on request (additional charge applies).
- Consult your G.James representative regarding non-standard heights and maximum widths for other wind classes and external corner pressure zones.

132 Series Sliding Window

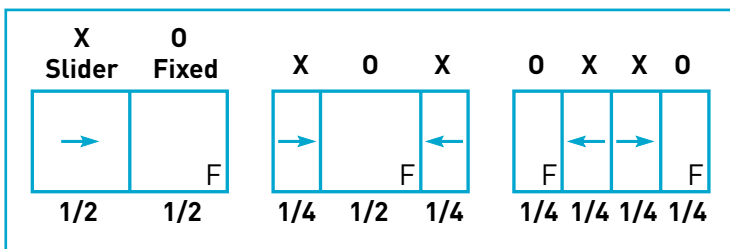
Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

		Width (mm)							
		660	960	1260	1560	1860	2160	2460	2760
		610	910	1210	1510	1810	2110	2410	2710
650	600								
950	900								
1250	1200								
1550	1500								

Legend



Note: The above Size Range also applies to the 076 Series Double Glazed Sliding Window (XO & XOx configurations only available).

Product Specific Notes:

- Configurations greater than 2710mm wide are available.
- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider / fixed) unless requested otherwise.
- Key lock handle upgrade available (additional cost applies).

132 Series Window Wall

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

		Width (mm)															
		960	1260	1560	1860	2160	2460	2760	3060								
		910	1210	1510	1810	2110	2410	2710	3010								
Height (mm)	1850																
	1800																
	2150																
	2100																

* Not available as a 1500/600mm split

Legend

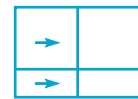
1800mm High Split

	XO / OO	XOX / OOO	OXXO / OOOO
1200mm			
600mm			
	1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4

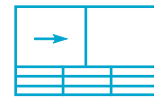
2100mm High Split Options (Customer is to nominate the height split required at time of order).

	XO / OO	XOX / OOO	OXXO / OOOO
1200mm			
900mm			
	1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4
	XO / OO	XOX / OOO	OXXO / OOOO
1500mm			
600mm			
	1/2 1/2	1/4 1/2 1/4	1/4 1/4 1/4 1/4

Options



XO / XO Window Wall



XO with 3 Bay Louvre Low Light



Window Wall with Semi-Circle Head



Window Wall with Raked Head

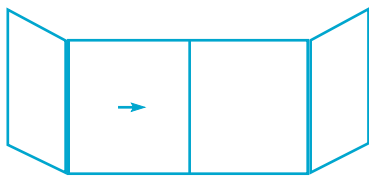
Product Specific Notes:

- All configurations are viewed from the outside looking inside.
- All two panel windows will be supplied as XO (slider/ fixed) unless requested otherwise.
- The above '2100mm high' illustrations are scaled with a 1500/600 transom split with the exception of 2110mm & 2410mm wide units which are only available with a 1200/900mm split.

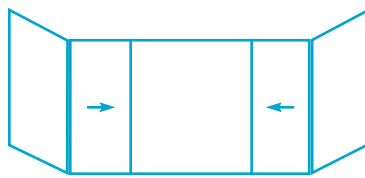
- Mullion(s) to bottom fixed panels will be supplied as standard unless otherwise requested.
- All panels to the lower portion of a window wall will be supplied as fixed panels unless requested otherwise.
- Height splits refer to the centre of the transom.
- Key lock handle upgrade available (additional cost applies).



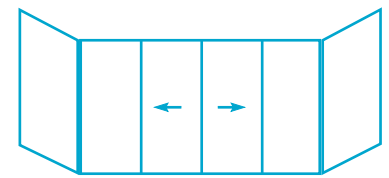
132 Series Bay Window Configurations



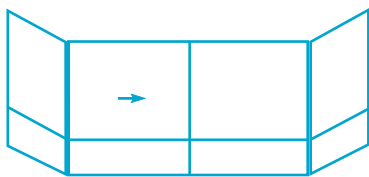
X0 Bay



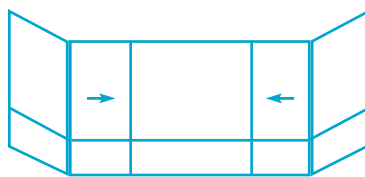
XOX Bay



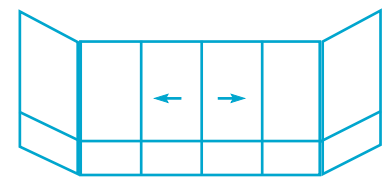
OXX0 Bay



X0 Window Wall Bay



XOX Window Wall Bay



OXX0 Window Wall Bay

Product Specific Notes :

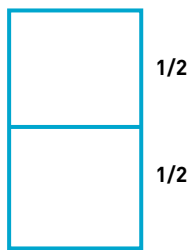
- All configurations are viewed from the outside looking inside.
- Standard height and width dimensions are as per the 132 Series Sliding Window and Window Wall Size Range – see Pages 9 & 10.
- Bay window configurations illustrated above show a 135° angle, 90° available upon request.

Fixed Windows Configurations

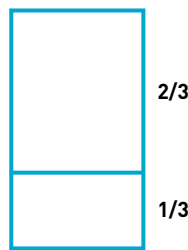
Rectangle / Square



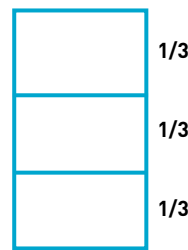
Single Panel



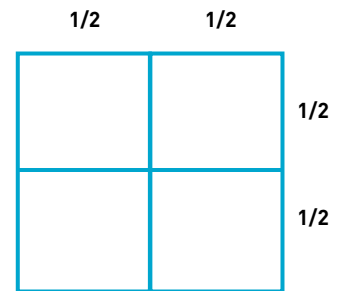
Two Panel – Equal (Horz.)



Two Panel – Unequal (Horz.)

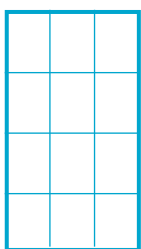


Three Panel – Equal (Horz.)

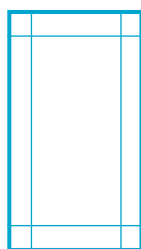


Four Panel – Equal Corners

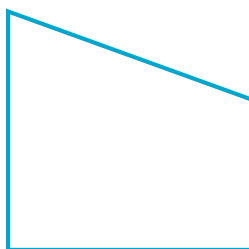
Other



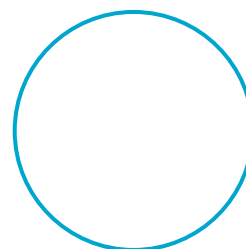
Colonial Bars



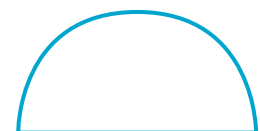
Federation Bars



Raked Window



Circle



Semi-Circle

Product Specific Notes:

- A minimum diameter of 600mm (painted frames) and 800mm (anodised frames) applies to circles, semi-circles and arches.

136 Series Double Hung Window

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

Width (mm)

		660	960	1260	1560	1860	2160	2460
		610	910	1210	1510	1810	2110	2410
950	900							
	1250					 	 	
1550	1500					 	 	
	1850	 	 	 	 	 	 	
2150	2100	 	 	 	 	 	 	

Product Specific Notes:

- Due to weight limitations on various operating components, sizes which exceed the standard size range may not be available.
- For windows 1800mm high and over, it is recommended to consider the operation of the window to ensure the configuration selected is the best 'fit-for-purpose'. Issues such as reach, sash weight and furniture position are some aspects that can affect the ability to open and close a double hung window. The option of selecting a Counter Balance operation in such situations should be considered.
- Multiple bay configurations will be supplied in equal splits.
- Where a choice of configuration for a particular width is illustrated above, the customer is to nominate the number of bays required.
- Single bay windows over 1000mm in width will be fitted with two (2) catches as standard.
- Spring-balance type operation is supplied as standard unless counter balance type is requested.

136 Series Double Hung / Fixed Panel Window Combinations

Standard Size Range / Configurations

Stud Opening (Frame Size with reveals + 10mm clearance)

Outer Frame Size (excludes fixing fin & reveals)

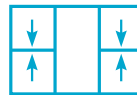
		Width (mm)						
		1260	1560	1860	2160	2460	2760	3060
		1210	1510	1810	2110	2410	2710	3010
950	900							
	1250							
1550	1500							
	1850							
2150	2100							

Legend



1/2 1/2

2110mm wide Windows only



1/3 1/3 1/3

Windows over 2410mm wide



1/4 1/2 1/4