

LOUVRE SCHEDULE

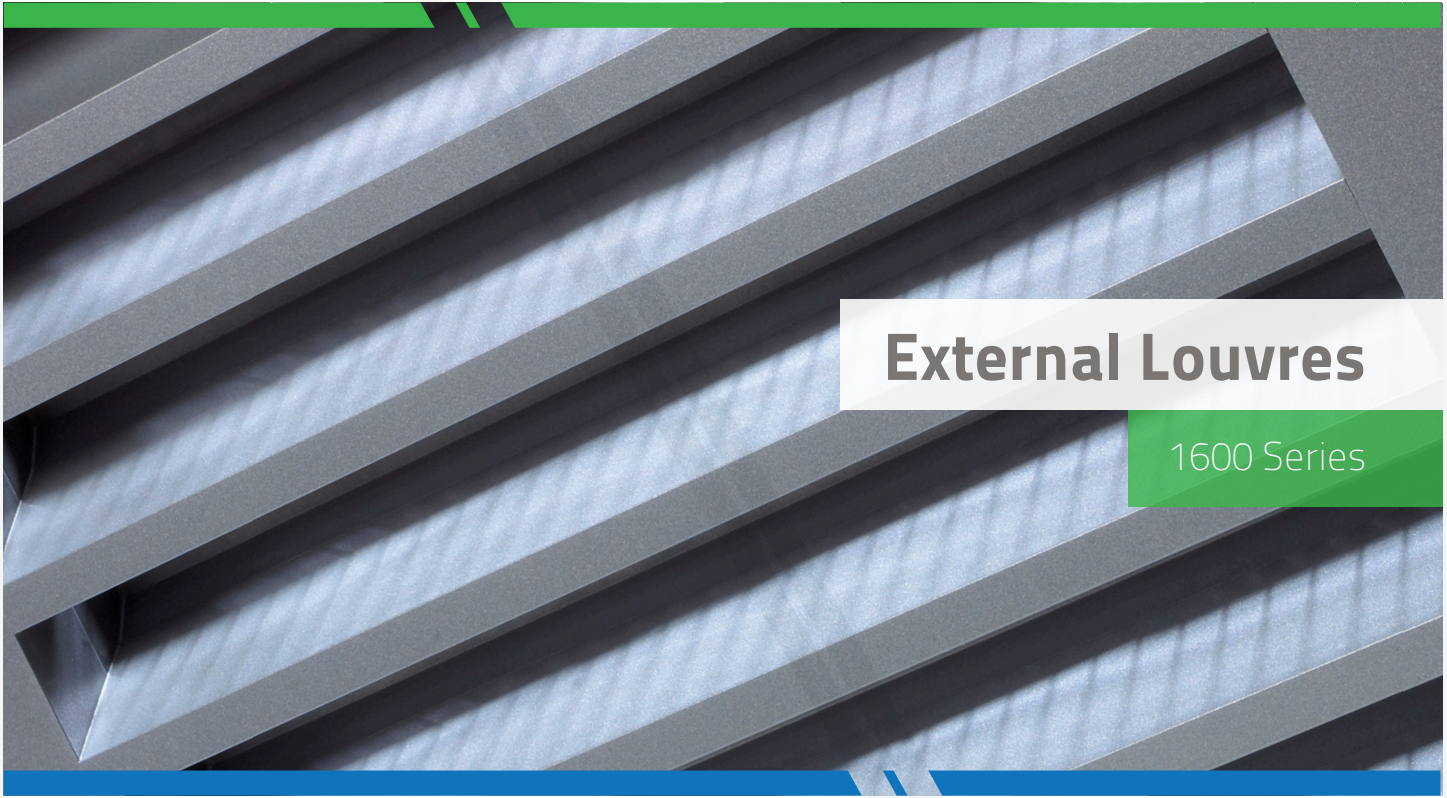
Project:	Sunlight House - Manchester	 
Project No:	CSD1298	
Revision:	Rev 0	
Schedule No:	1298-CSD-ZZ-ZZ-SH-M-57008	
Date:	18.06.2024	



	LOCATION	SYSTEM	SIZE	AIR FLOW (l/s)	MAX PRESSURE DROP (Pa)	FREE AREA	CLASS	INSECT SCREEN	BIRD GUARD	PLENUM	COLOUR
EL1/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/03	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL1/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL1/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL2/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL2/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/03	BOH Male WC	Tea Point Extract	250x250	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL3/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/06	BOH Female WC	Tea Point Extract	250x250	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/07	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL3/08	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL6/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL6/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL7/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL7/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL8/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL8/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL9/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL9/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL10/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL10/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL11/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL11/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL12/01	BOH Male WC	Male & DDA WC Extract	250x250	52	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/02	BOH Female WC	Female WC Extract	200x200	38	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL12/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL13/03	FOH Male WC	Tea Point Extract	255x315 (to suit window pane)	60	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect
EL13/04	FOH Male WC	Male WC Extract	255x315 (to suit window pane)	56	10	50%	B	No	Yes	by ductwork specialist (150dia conn)	TBC by architect
EL13/05	FOH Female WC	Female & DDA WC Extract	255x315 (to suit window pane)	89	10	50%	B	No	Yes	by ductwork specialist (200dia conn)	TBC by architect

NOTES:

1. Any unused area of louvre to be sealed and thermally insulated by ductwork specialist



External Louvres

1600 Series

General Product Overview

External Louvres

Advanced Air External Louvres feature an architecturally appealing straight blade design with smooth, clean lines that visually compliment any structure's exterior styling. Available in flanged or optional recessed frame, the frame installs easily in most common wall configurations. Suitable for use in exhaust and low to medium velocity intake applications, the blade design features a rear water baffle and provides reasonable protection against general weather conditions. The models exhibit low pressure drop characteristics and a high free area. Reinforcing bosses run the full length of each blade for superior strength. Advanced Air External Louvres are engineered to be architecturally appealing as well as mechanically enduring.

Features & Benefits of Advanced Air Louvres:

- Extruded aluminium blades and frames for high durability and quality fit and finish.
- Reinforcing bosses run the full length of each blade for superior strength.
- Low pressure drop characteristics require less fan energy and contribute to efficient system operation.
- Selection of finishes.
- Bird Mesh fitted as standard, Insect mesh optional.
- Flange frame and recessed frame options.
- Available in multi section modules for site assembly giving continuous blade appearance.
- **Standard Blade Style**
- **Weather Resistant**
- **Clean Architectural Appearance**
- **Extruded Aluminium**

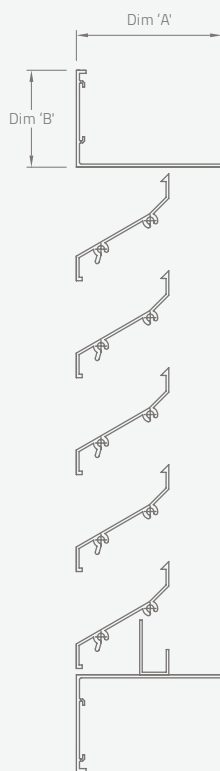


External Louvres

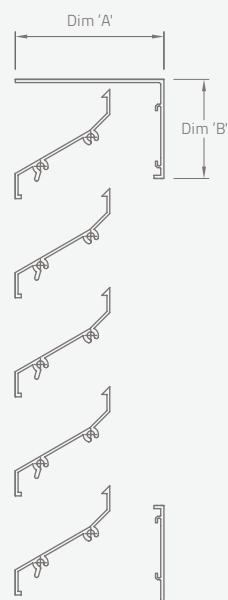
1600 Series ■ Standard Blade Type

The Advanced Air 1600 Series is an architecturally styled louvre designed with smooth, clean lines that visually compliment any structure's exterior styling. It is ideal for use in both standard and thin wall applications or a/c units. Suitable for use in exhaust and low to medium velocity intake applications, the J-style blade design features a rear water baffle and provides good protection against general weather conditions, with low pressure drop characteristics. Reinforcing bosses run the full length of each blade for superior strength. Available with flanged or recessed frames, the 1600 series design is styled to please and engineered to perform.

Standard Flanged Frame



Optional Recessed Frame



Models:	1638	38mm Blade Pitch	40mm Deep
	1650	50mm Blade Pitch	80mm Deep
	1675	75mm Blade Pitch	108mm Deep

Model	Dim A	Dim B
1638	40mm	30mm
1650	80mm	50mm
1675	108mm	50mm

1600 Series Construction

Frame:	Type 6063-T6 extruded aluminium.
Nominal wall thickness	Model 1638: 1.3mm Model 1650: 1.6mm Model 1675: 1.8mm
Blades:	Type 6063-T6 extruded aluminium.
Nominal wall thickness	Model 1638: 1.3mm Model 1650: 1.4mm Model 1675: 1.6mm
Effective Blade Angle:	45 degrees.
Blade Spacing:	Model 1638: 38mm Model 1650: 50mm Model 1675: 75mm
Blade Support Brackets:	On models 1650 and 1675 only, Concealed type, factory installed on rear of louvre on maximum 1000mm centres. Reinforced with extruded mullion.
Mullions:	Concealed architectural type.
Screen:	13mm x 13mm x 1.0mm ga. galvanised bird screen.
Finish:	Mill. Special Finishes are available.
Minimum Size:	Model 1638: 100mm wide x 100mm high Model 1650,1675: 200mm wide x 200mm high.
Maximum Size:	Model 1638: 1000mm wide x 1000mm High Model 1650, 1675: 2000mm wide x 2000mm high.

Larger sizes will be manufactured in sections with hidden architectural style rear mullions for assembly in the site.





Performance Data

Models: 1638SB, 1650SB & 1675SB ■ Free Area (m²)

Model: 1638SB

Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.02	0.03	0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15
0.40	0.03	0.07	0.10	0.14	0.17	0.21	0.24	0.27	0.31	0.34
0.60	0.05	0.11	0.16	0.21	0.27	0.32	0.37	0.43	0.48	0.53
0.80	0.08	0.15	0.23	0.30	0.38	0.46	0.53	0.61	0.68	0.76
1.00	0.10	0.19	0.29	0.38	0.48	0.57	0.67	0.76	0.86	0.95
1.20	0.11	0.23	0.34	0.46	0.57	0.68	0.80	0.91	1.03	1.14
1.40	0.13	0.27	0.40	0.53	0.67	0.80	0.93	1.06	1.20	1.33
1.60	0.16	0.31	0.47	0.62	0.78	0.93	1.09	1.25	1.40	1.56
1.80	0.17	0.35	0.52	0.70	0.87	1.05	1.22	1.40	1.57	1.75
2.00	0.19	0.39	0.58	0.78	0.97	1.16	1.36	1.55	1.74	1.94

Model: 1650SB

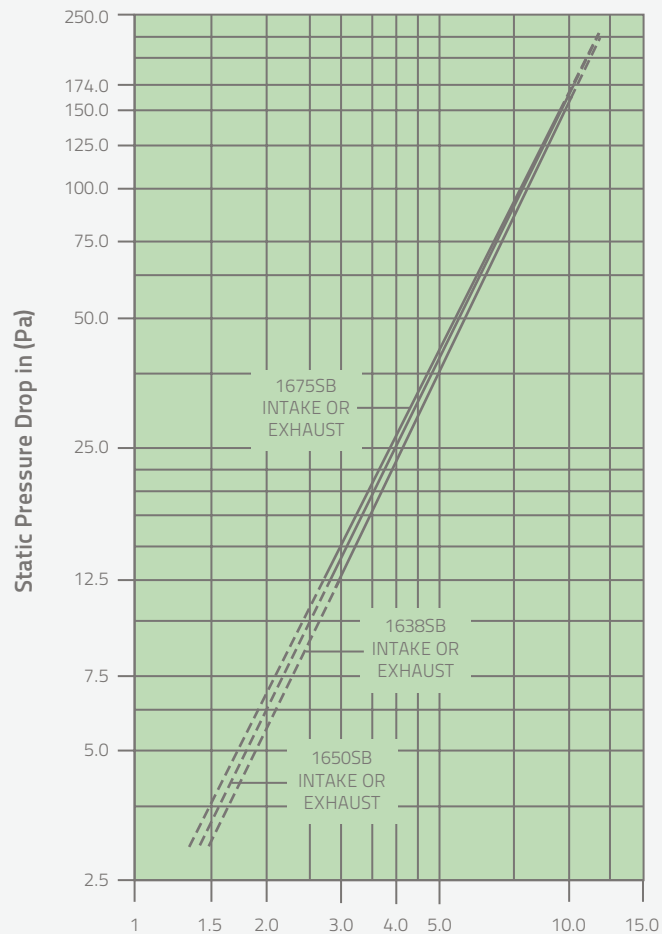
Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.01	0.03	0.04	0.06	0.07	0.09	0.10	0.12	0.13	0.15
0.40	0.03	0.07	0.10	0.14	0.17	0.20	0.24	0.27	0.31	0.34
0.60	0.05	0.11	0.16	0.21	0.27	0.32	0.38	0.43	0.48	0.54
0.80	0.07	0.15	0.22	0.29	0.37	0.44	0.51	0.59	0.66	0.73
1.00	0.09	0.19	0.28	0.37	0.46	0.56	0.65	0.74	0.83	0.93
1.20	0.11	0.22	0.34	0.45	0.56	0.67	0.79	0.90	1.01	1.12
1.40	0.13	0.26	0.40	0.53	0.66	0.79	0.92	1.05	1.19	1.32
1.60	0.15	0.30	0.45	0.61	0.76	0.91	1.06	1.21	1.36	1.51
1.80	0.17	0.34	0.51	0.68	0.85	1.02	1.20	1.37	1.54	1.71
2.00	0.19	0.38	0.57	0.76	0.95	1.14	1.33	1.52	1.71	1.90

Model: 1675SB

Height (m)	Width (m)									
	0.20	0.40	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00
0.20	0.01	0.02	0.03	0.03	0.04	0.05	0.06	0.07	0.08	0.08
0.40	0.03	0.07	0.10	0.13	0.17	0.20	0.24	0.27	0.30	0.34
0.60	0.06	0.12	0.18	0.24	0.29	0.35	0.41	0.47	0.53	0.59
0.80	0.08	0.15	0.23	0.30	0.38	0.45	0.53	0.60	0.68	0.76
1.00	0.10	0.20	0.30	0.40	0.50	0.60	0.71	0.81	0.91	1.01
1.20	0.13	0.25	0.38	0.50	0.63	0.76	0.88	1.01	1.13	1.26
1.40	0.14	0.29	0.43	0.57	0.71	0.86	1.00	1.14	1.29	1.43
1.60	0.17	0.34	0.50	0.67	0.84	1.01	1.18	1.34	1.51	1.68
1.80	0.19	0.39	0.58	0.77	0.97	1.16	1.35	1.55	1.74	1.93
2.00	0.21	0.42	0.63	0.84	1.05	1.26	1.47	1.68	1.89	2.10

Performance Data

Models: 1638SB, 1650SB & 1675SB
Pressure Drop



Face Velocity (m/s)

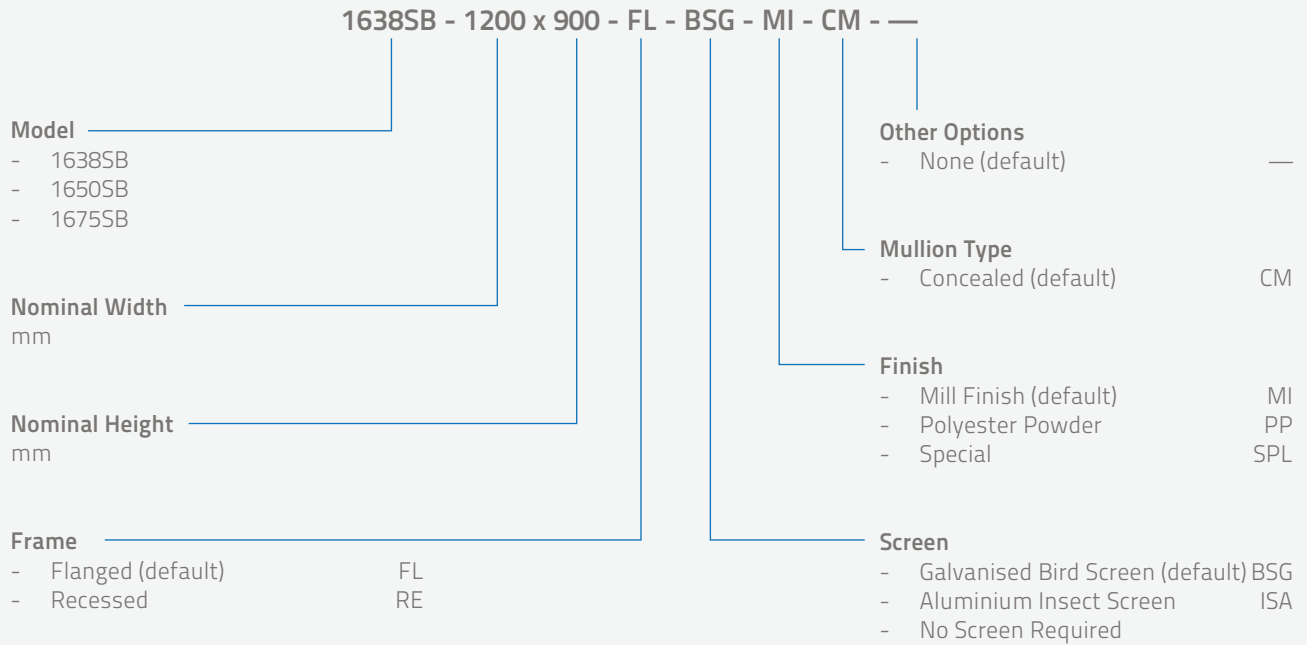
Louvre test size: 1220mm x 1220 mm.

Standard air density @ 1.20 kg/m³.



How To Specify or To Order

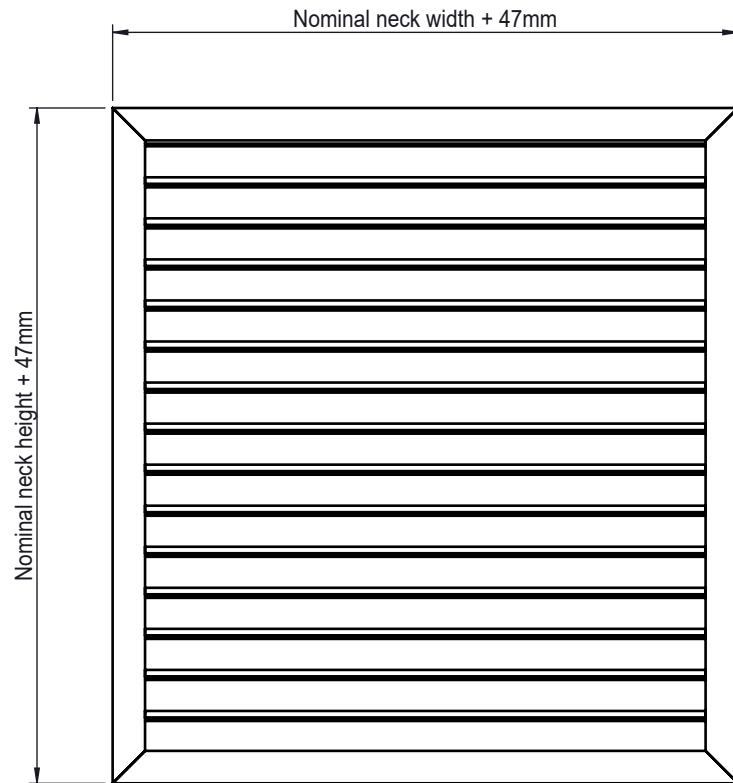
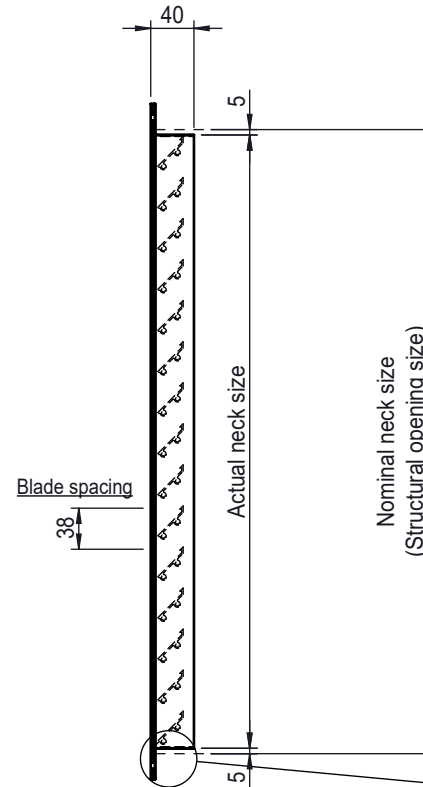
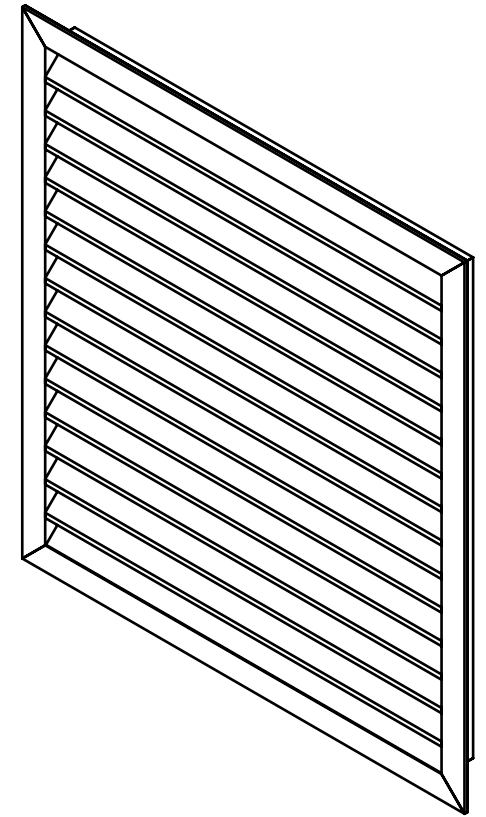
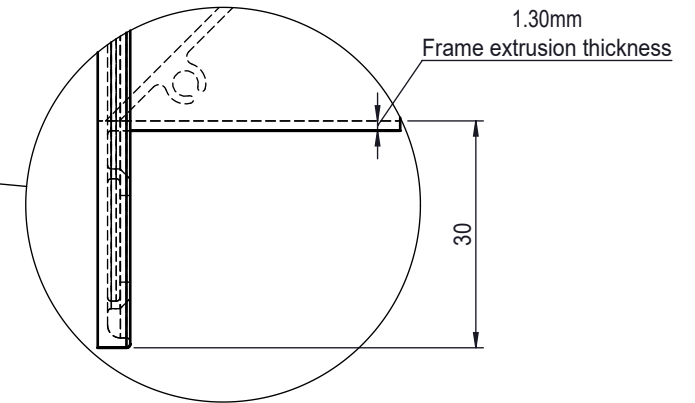
Extruded Aluminium Louvres ■ Models 1638SB, 1650SB, 1675SB



Dwg. No. : **D1600 CD001**

(Dim.) - Inspection/Critical Dimension

1638 Flanged external louvre grille assembly



Note:

Minimum nominal neck size: 100mm wide x 100mm high.

Maximum nominal neck size: 1000mm wide x 1000mm high.

Revision Table

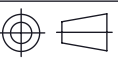
Rev	Date	Description	DRN	CHKD
A	03/02/2021	First issue	BG	CJC



Tolerances to ISO 2768-m All dimensions in mm (unless otherwise stated)	
0.5 up to 6	±0.1
over 6 up to 30	±0.2
over 30 up to 120	±0.3
over 120 up to 400	±0.5
over 400 up to 1000	±0.8
over 1000 up to 2000	±1.2

Title:

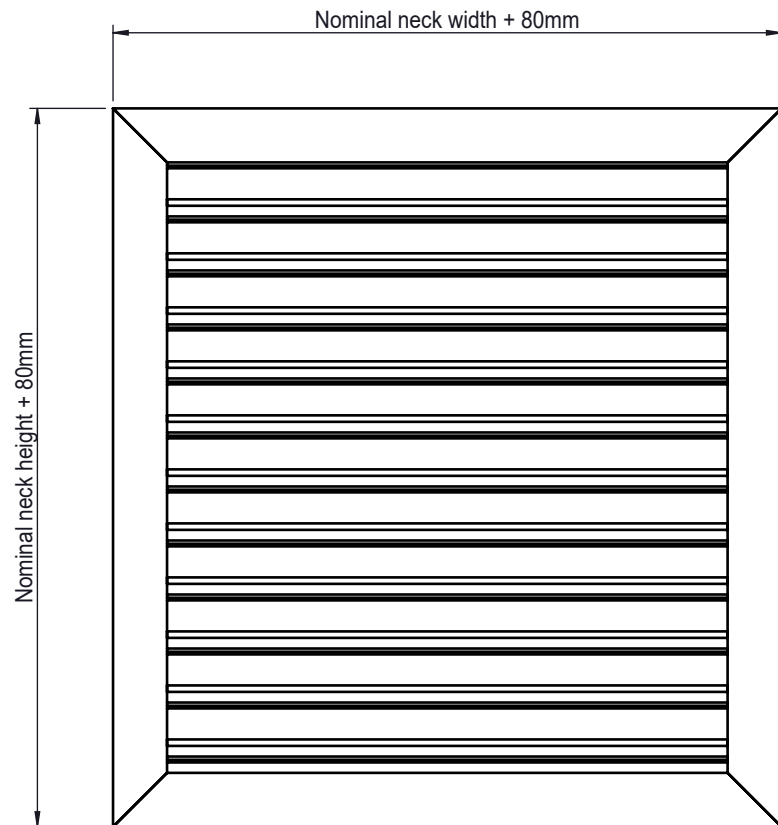
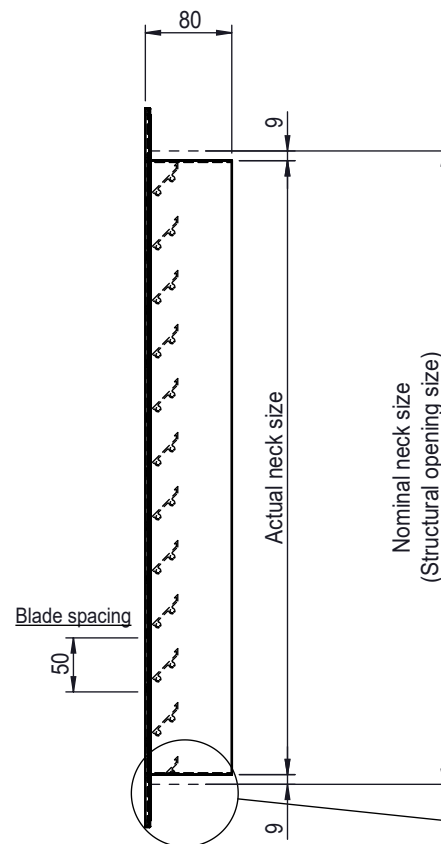
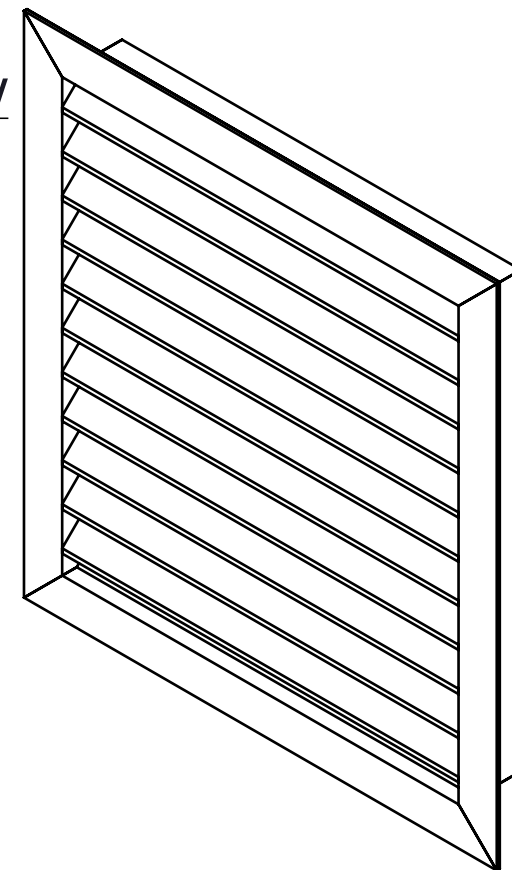
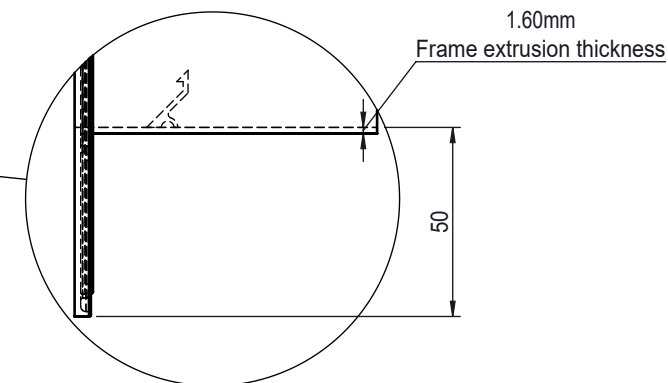
D1600 Series
External louvre grille assembly
1638 - 1650 - 1675
Customer Drawing

Material: **Type 6063-T6 extruded aluminium**Scale: **1:7**Format: **A4**Sheet: **1 of 3**Mass [g]: **N/A**Finish: **Mill. Special finishes available**Dwg. No. : **D1600 CD001**

Dwg. No. : **D1600 CD001**

(Dim.) - Inspection/Critical Dimension

1650 Flanged external louvre grille assembly


Note:

Minimum nominal neck size: 200mm wide x 200mm high.

Maximum nominal neck size: 2000mm wide x 2000mm high.

Revision Table

Rev	Date	Description	DRN	CHKD
A	03/02/2021	First issue	BG	CJC



Tolerances to ISO 2768-m All dimensions in mm (unless otherwise stated)	
0.5 up to 6	±0.1
over 6 up to 30	±0.2
over 30 up to 120	±0.3
over 120 up to 400	±0.5
over 400 up to 1000	±0.8
over 1000 up to 2000	±1.2

Title:

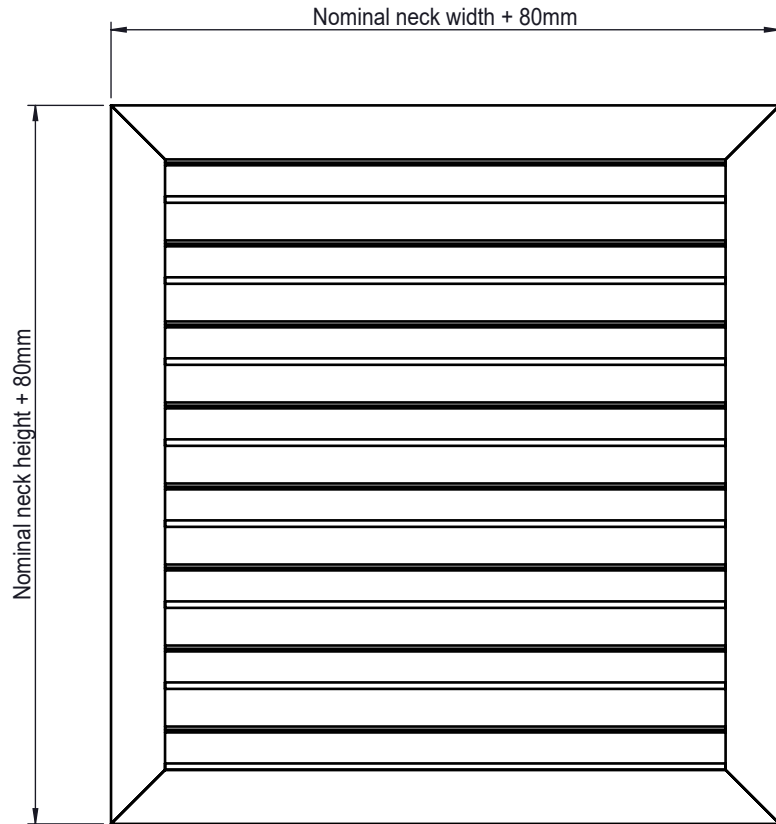
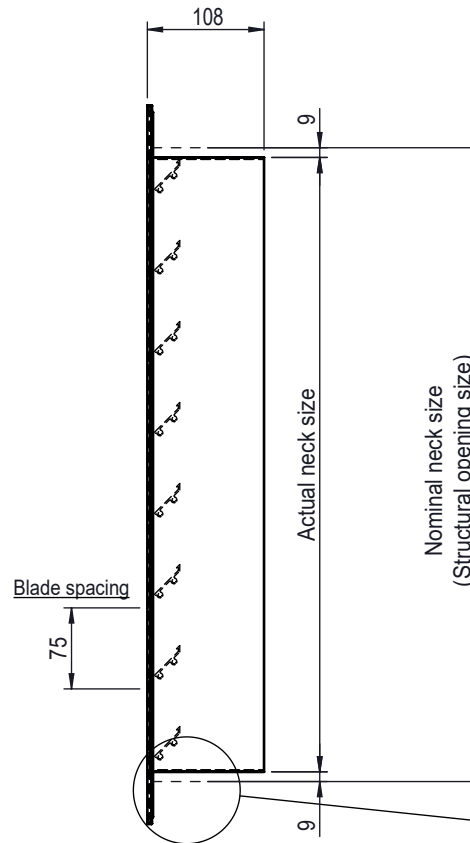
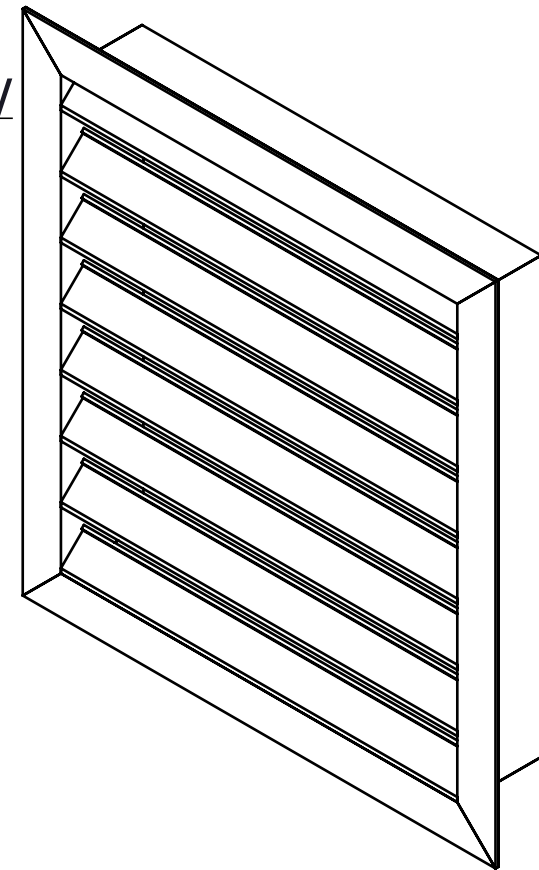
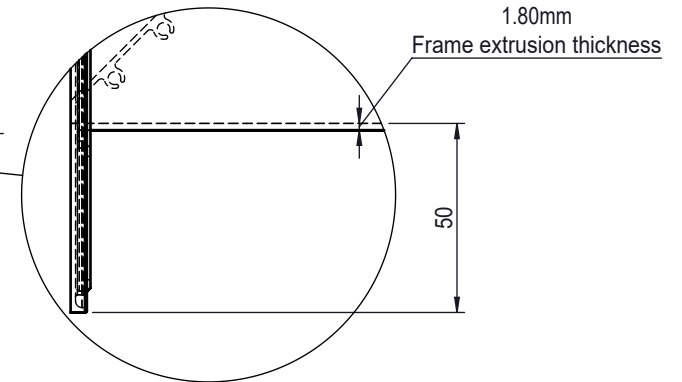
D1600 Series
External louvre grille assembly
1638 - 1650 - 1675
Customer Drawing

Material: **Type 6063-T6 extruded aluminium**Scale: **1:7**Format: **A4**Sheet: **2 of 3**Mass [g]: **N/A**Finish: **Mill. Special finishes available**Dwg. No. : **D1600 CD001**

Dwg. No. : **D1600 CD001**

(Dim.) - Inspection/Critical Dimension

1675 Flanged external louvre grille assembly



Note:

Minimum nominal neck size: 200mm wide x 200mm high.

Maximum nominal neck size: 2000mm wide x 2000mm high.

Revision Table

Rev	Date	Description	DRN	CHKD
A	03/02/2021	First issue	BG	CJC

Tolerances to ISO 2768-m
All dimensions in mm
(unless otherwise stated)

0.5 up to 6	±0.1
over 6 up to 30	±0.2
over 30 up to 120	±0.3
over 120 up to 400	±0.5
over 400 up to 1000	±0.8
over 1000 up to 2000	±1.2

Title:

D1600 Series**External louvre grille assembly****1638 - 1650 - 1675****Customer Drawing**Material: **Type 6063-T6 extruded aluminium**Scale: **1:7**Format: **A4**Sheet: **3 of 3**Mass [g]: **N/A**Finish: **Mill. Special finishes available**Dwg. No. : **D1600 CD001**