

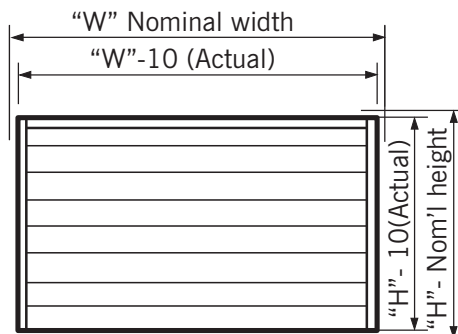
Acoustic louvres ACL/SB & ACL/DB

Acoustic louvres (ACL/SB and ACL/DB) are suited for air intake or discharge ducted systems in building elevations. Roof top plant screening is also available on request from our sales office.

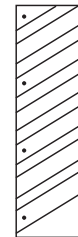
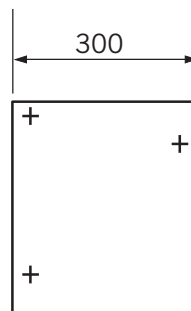
Robustly constructed from galvanised steel with acoustic infill (not less than 70Kg/m³ density) faced with glass fibre tissue retained behind perforated mesh.

All units are complete with birdscreen, head and cill sections are available upon request, all units can be polyester powder coated to standard RAL colour range.

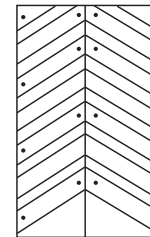
Dimensions



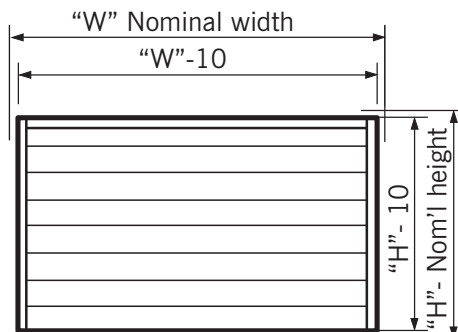
ACL/SB (Single bank)



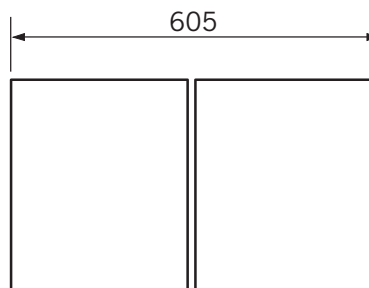
ACL/SB
Single bank



ACL/DB
Double bank



ACL/SB (Double bank)



Fixing methods

Acoustic louvres (ACL/SB & ACL/DB)

Standard fixing is via the outer channel section frame into timber surround frame (minimum 40mm thickness) – (by others).

When joining multi section acoustic louvres M6 nuts and bolts are used

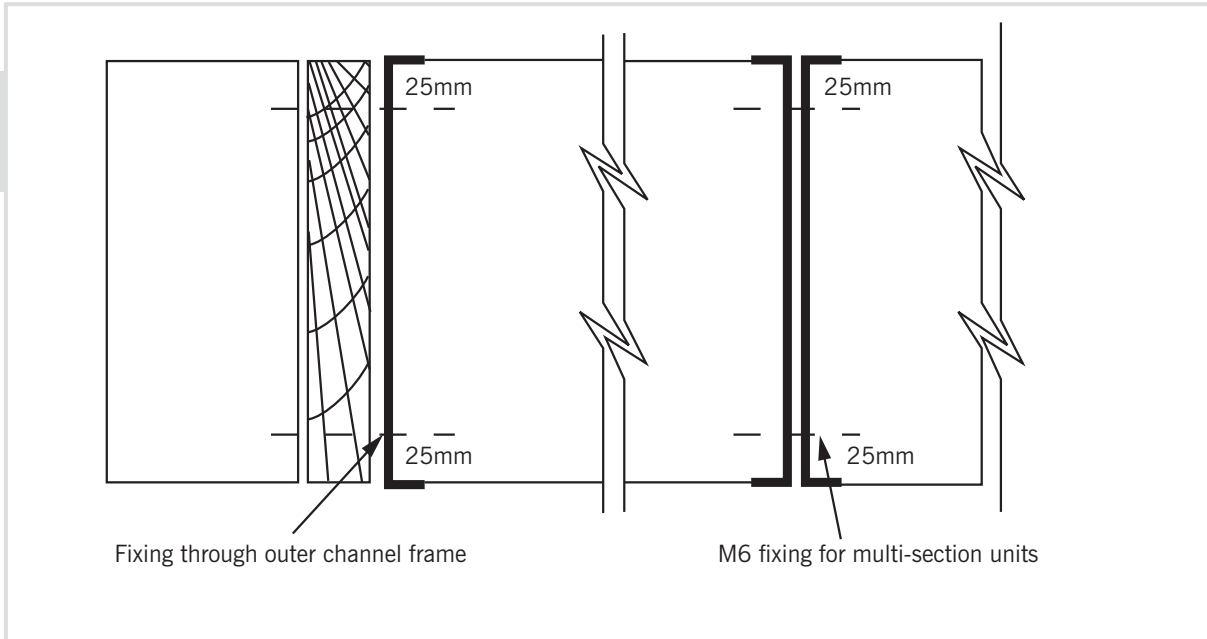
25mm from face and rear of acoustic louvre assemblies.

When a timber frame is not desired offset mounting alternative fixing methods are available, please consult our sales office.

Weights

ACL/SB Single Bank 75 Kg/m²

ACL/DB Double Bank 150 Kg/m²



Performance data

Table 1 Transmission Loss (dB)

	63Hz	125Hz	250Hz	500Hz	1kHz	2kHz	4kHz	8kHz
SINGLE BANK	7	6	8	12	21	23	18	15
DOUBLE BANK	8	7	13	21	28	29	24	21

Table 2 Face Velocity/Pressure Drop (Pa)

Face vely m/s	Pressure Drop	
	Single Bank	Double Bank
0.50	5	8
0.75	7	15
1.00	10	25
1.25	20	35
1.50	30	50
1.75	40	65
2.00	55	85
2.25	70	110
2.50	90	135
2.75	110	160
3.00	130	190

Table 3 Correction Factor Pressure Drop For Height

LOUVRE HEIGHT	600	900	1200	1500	1800
MULTIPLY (P.D.) BY:	2.2	1.4	1	0.86	0.86