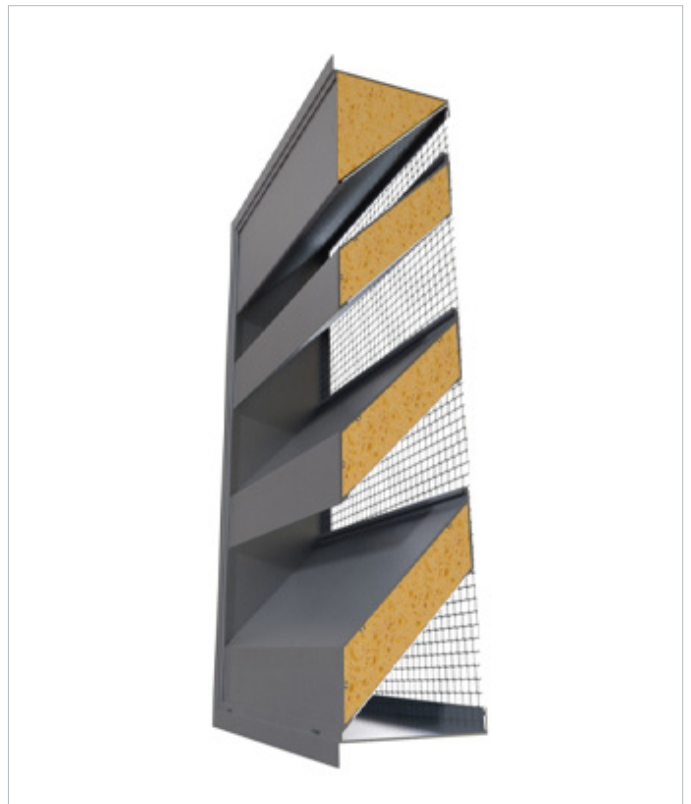
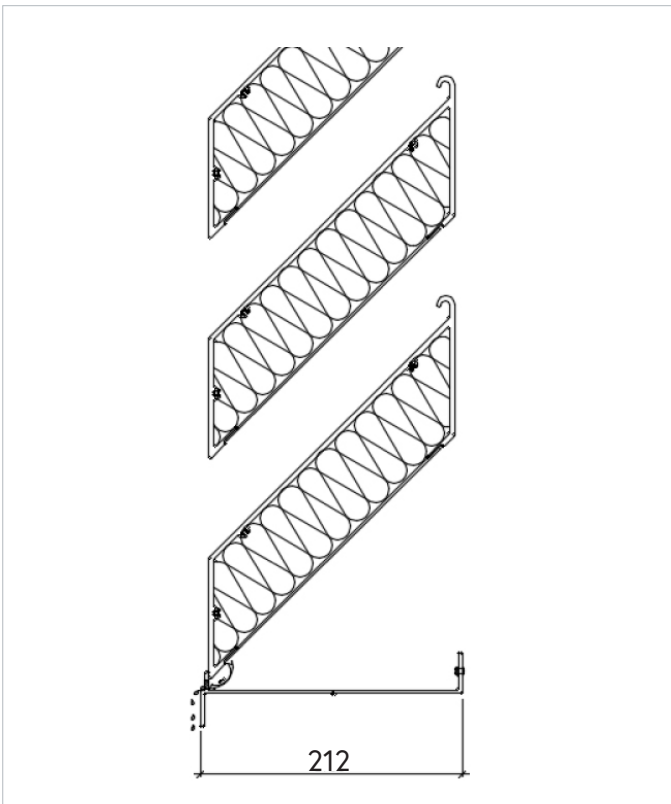


ALV212

SINGLE STAGE ACOUSTIC LOUVRE

- Off-site prototype tested to:
 - AS 4740:2025 Natural ventilators
 - AS 1191-2002 (R2016) Acoustics
 - AS ISO 717.1:2024 Acoustics
- Developed by a team of expert designers, manufacturers and installers specifically for the Australian market.
- Extruded and manufactured in Melbourne.
- Made to order in any custom size and shape.
- System performance is customisable to job requirements through variable louvre spacing.
- Fast lead times.
- Low carbon footprint.
- For system details please contact Spective.

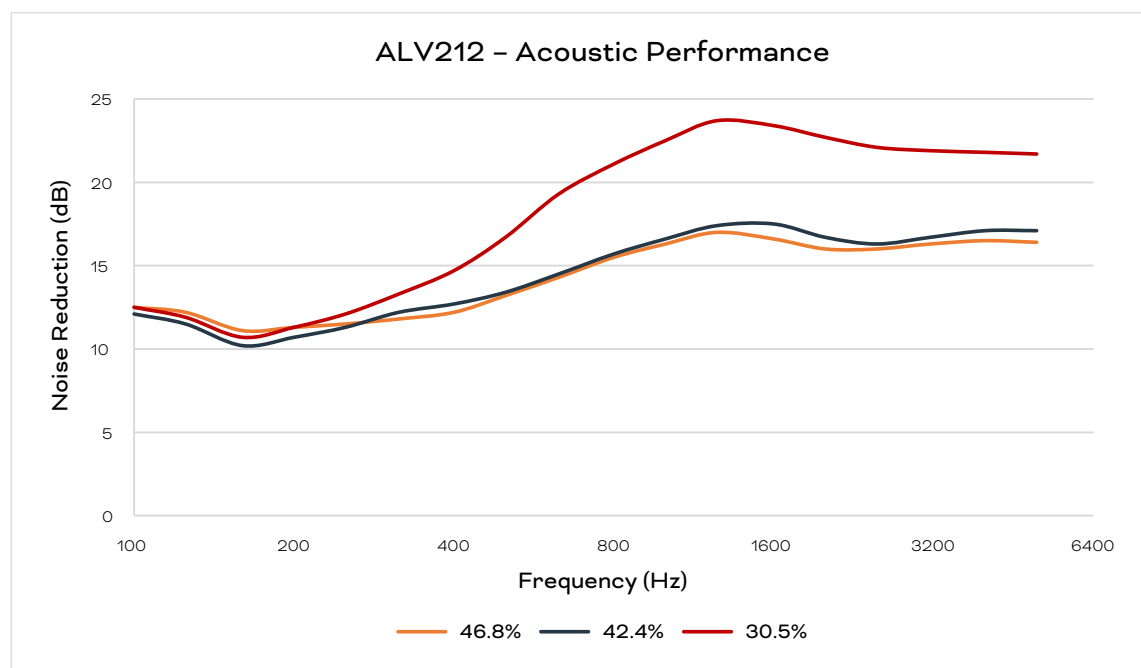


ALV212 Single Stage Acoustic Louvre

ALV212 – SINGLE STAGE ACOUSTIC LOUVRE

SYSTEM DATA – ACOUSTIC

Acoustic Performance						
ALV425	46.8% Free Area		42.4% Free Area		30.5% Free Area	
Frequency (Hz)	Transmission Loss (dB)	Noise Reduction (dB) =Transmission Loss + 6 dB	Transmission Loss (dB)	Noise Reduction (dB) =Transmission Loss + 6 dB	Transmission Loss (dB)	Noise Reduction (dB) =Transmission Loss + 6 dB
100	6.5	12.5	6.1	12.1	6.5	12.5
160	5.1	11.1	4.2	10.2	4.7	10.7
250	5.5	11.5	5.3	11.3	6.1	12.1
500	7.2	13.2	7.4	13.4	10.7	16.7
1000	10.3	16.3	10.6	16.6	16.5	22.5
2000	10.0	16.0	10.7	16.7	16.7	22.7
4000	10.5	16.5	11.1	17.1	15.8	21.8
5000	10.4	16.4	11.1	17.1	15.7	21.7
	Performance Index Numbers		Performance Index Numbers		Performance Index Numbers	
	Rw (C; Ctr)	10 (-1; -1) dB	Rw (C; Ctr)	10 (0; -1) dB	Rw (C; Ctr)	14 (0; -2) dB
	STC	9	STC	10	STC	14



STC as per ASTM E413-16

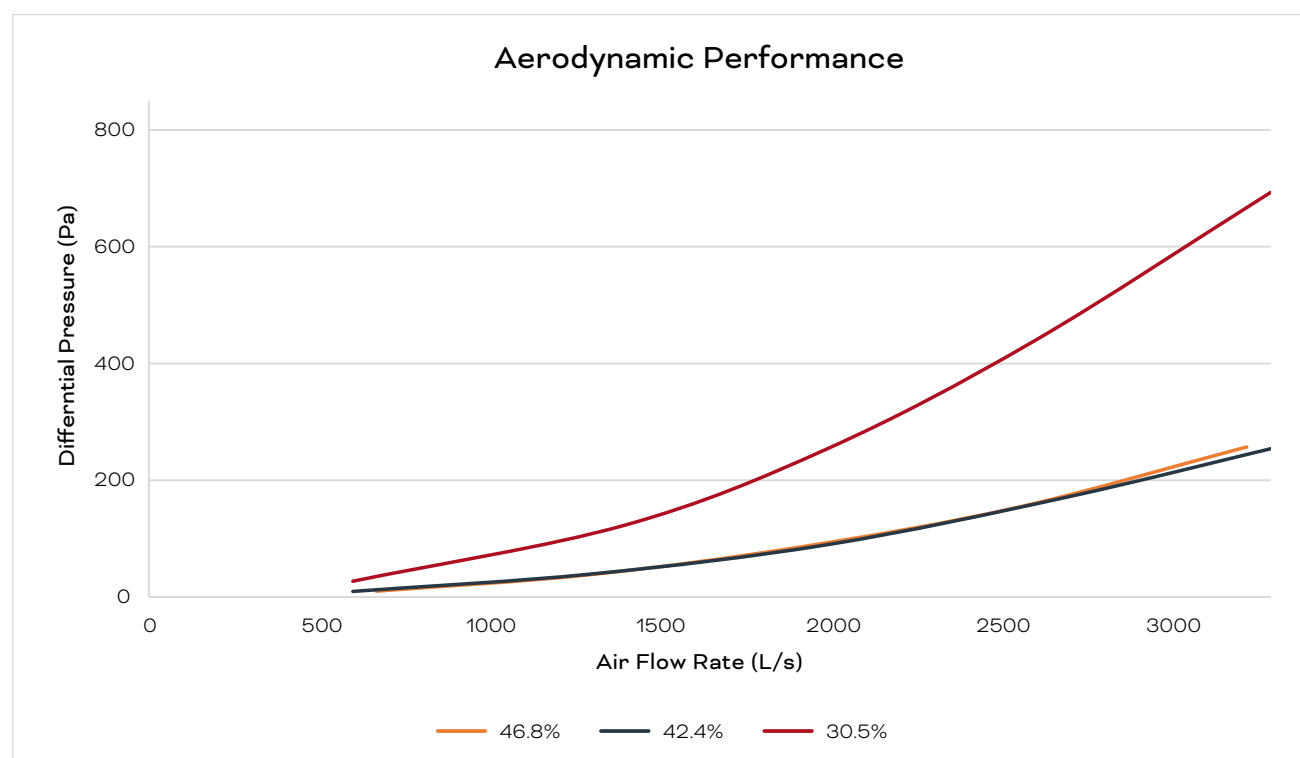
Acoustic performance data extracted from Test Report: TL827-02-1, TL827-06-1, TL827-04-1



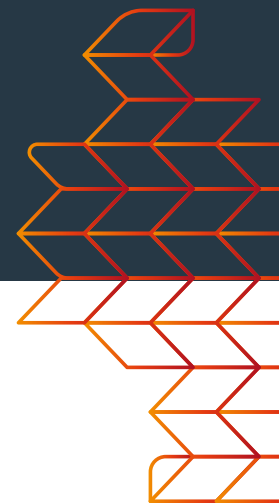
ALV212 – SINGLE STAGE ACOUSTIC LOUVRE

SYSTEM DATA – DISCHARGE COEFFICIENT

Determination of Discharge Coefficient						
	46.8% Free Air		42.4% Free Air		30.5% Free Air	
#	Air Flow Rate (L/s)	Differential Pressure (Pa)	Air Flow Rate (L/s)	Differential Pressure (Pa)	Air Flow Rate (L/s)	Differential Pressure (Pa)
1	669	10	600	9.6	600	27.0
2	1294	38	1300	39.3	1400	123.0
3	1920	86	2000	90.0	2000	255.0
4	2558	154	2700	171.0	2600	437.0
5	3230	257	3400	268.0	3300	693.0
	Discharge Coefficient (C_d)		Discharge Coefficient (C_d)		Discharge Coefficient (C_d)	
	0.555		0.549		0.589	
	Performance Class (Class)		Performance Class (Class)		Performance Class (Class)	
	2		2		2	



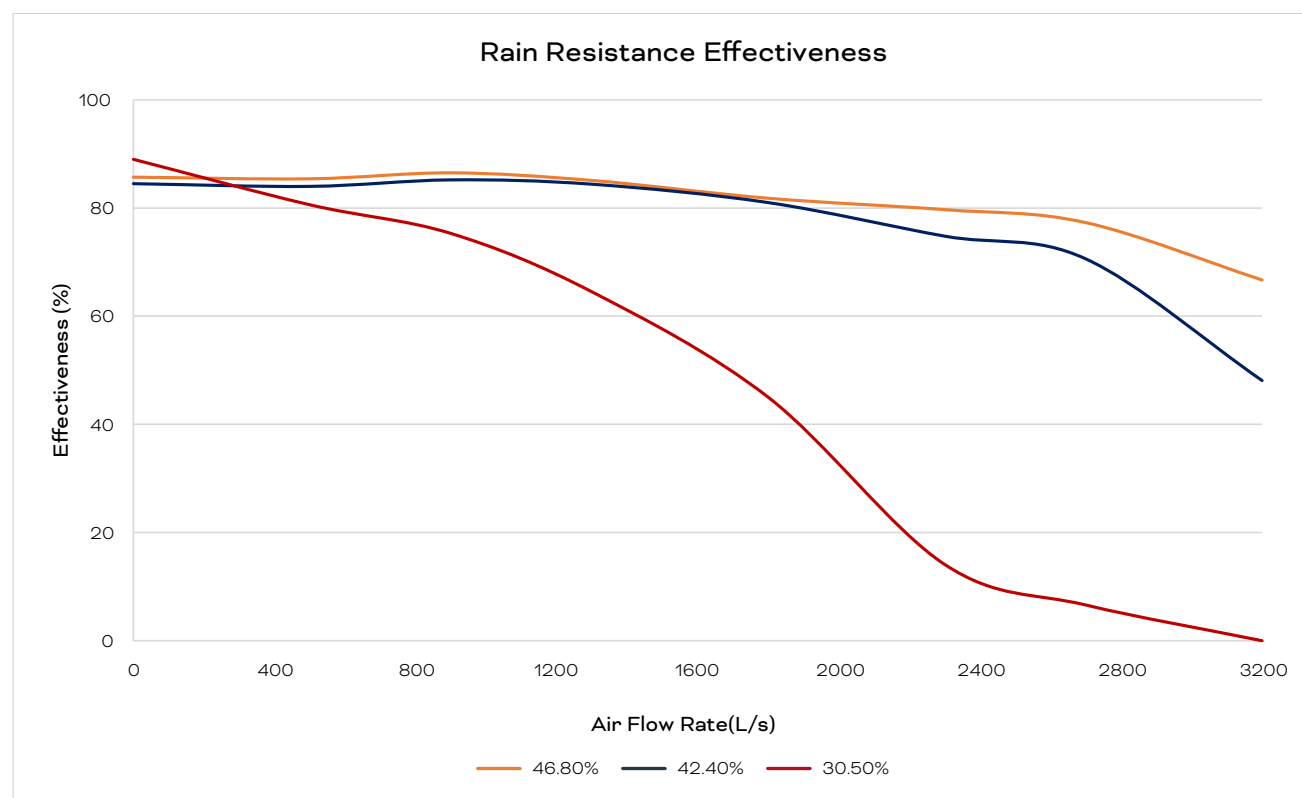
Performance data extracted from Test Reports: SW895-04-A, SW895-05-A, SW895-06-A



ALV212 – SINGLE STAGE ACOUSTIC LOUVRE

SYSTEM DATA – RAIN RESISTANCE

Resistance to Leakage During Rain (AS 4740:2025)								
Wind Velocity: 13 m/s								
46.8% FreeArea			42.4% FreeArea			30.5% FreeArea		
Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)	Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)	Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)
0	85.7	C	0	84.5	C	0	89.0	C
500	85.4	C	500	84.0	C	500	80.6	C
900	86.5	C	900	85.2	C	900	75.3	D
1300	85.1	C	1300	84.4	C	1300	64.5	D
1800	81.8	C	1800	81.0	C	1800	45.0	D
2300	79.7	D	2300	74.8	D	2300	14.1	D
2700	77.3	D	2700	70.6	D	2700	6.6	D
3200	67.7	D	3200	48.1	D	3200	0.0	D



Performance data extracted from Test Reports: SW895-04-A, SW895-05-A, SW895-06-A