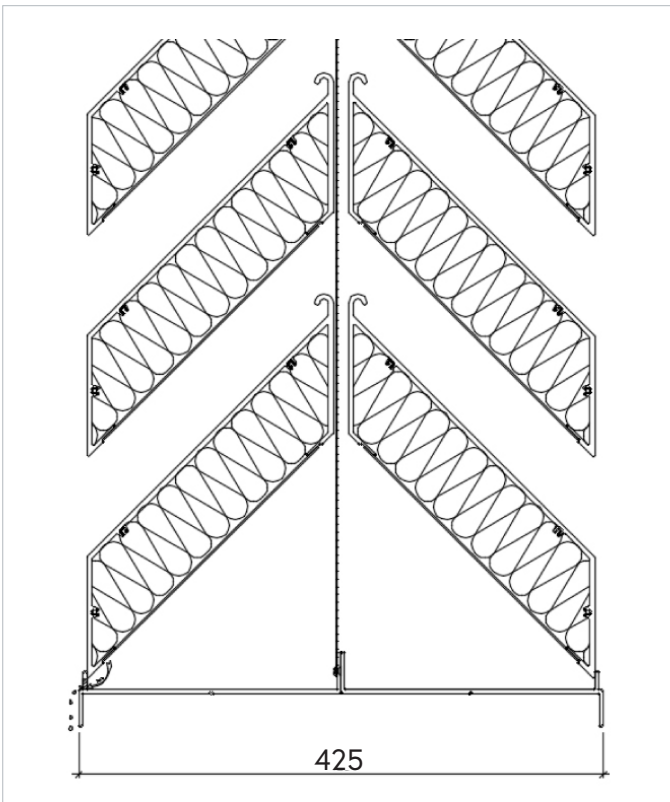


ALV425

DOUBLE 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.

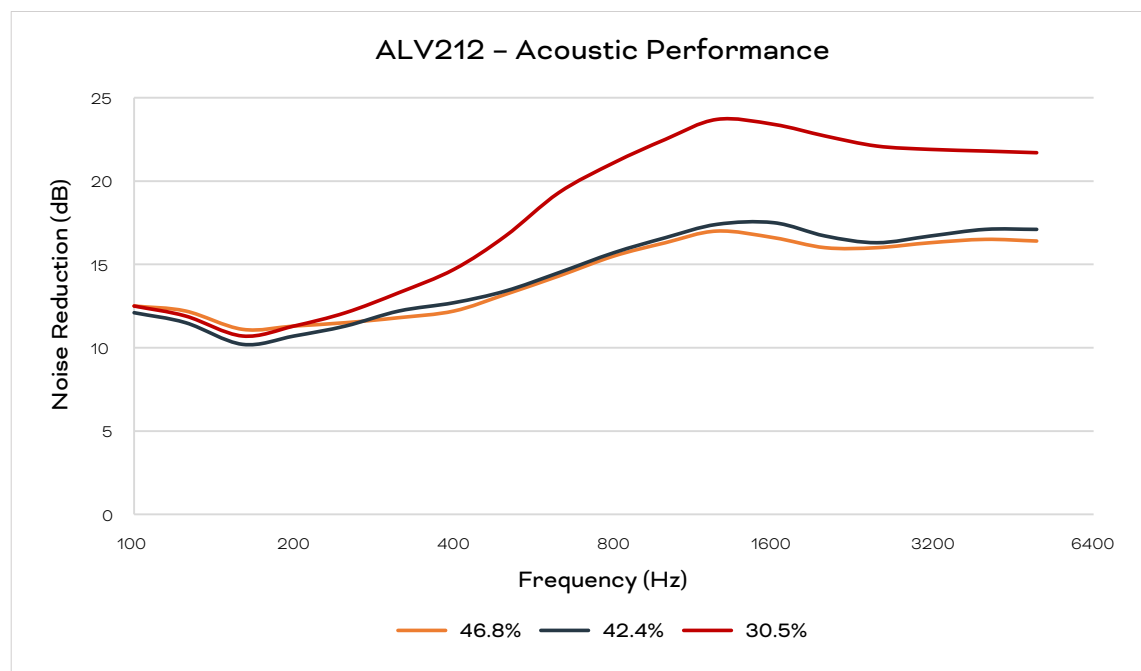


ALV 425 Double Stage Acoustic Louvre

ALV425 – DOUBLE 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	6.7	12.7	7	13	7	13
160	6.2	12.2	5.4	11.4	6.6	12.6
250	7.7	13.7	7.9	13.9	10.2	16.2
500	11.8	17.8	11.9	17.9	17.7	24.7
1000	19.9	25.9	19.4	25.4	26.9	32.9
2000	16.4	22.4	17.5	23.5	29.1	35.1
4000	21.3	27.3	21.6	27.6	29.2	35.2
5000	21.7	27.7	21.8	27.8	29.3	35.3
	Performance Index Numbers		Performance Index Numbers		Performance Index Numbers	
	Rw (C; Ctr)	16 (-1; -2) dB	Rw (C; Ctr)	16 (0; -2) dB	Rw (C; Ctr)	22 (-1; -5) dB
	STC	16	STC	17	STC	22



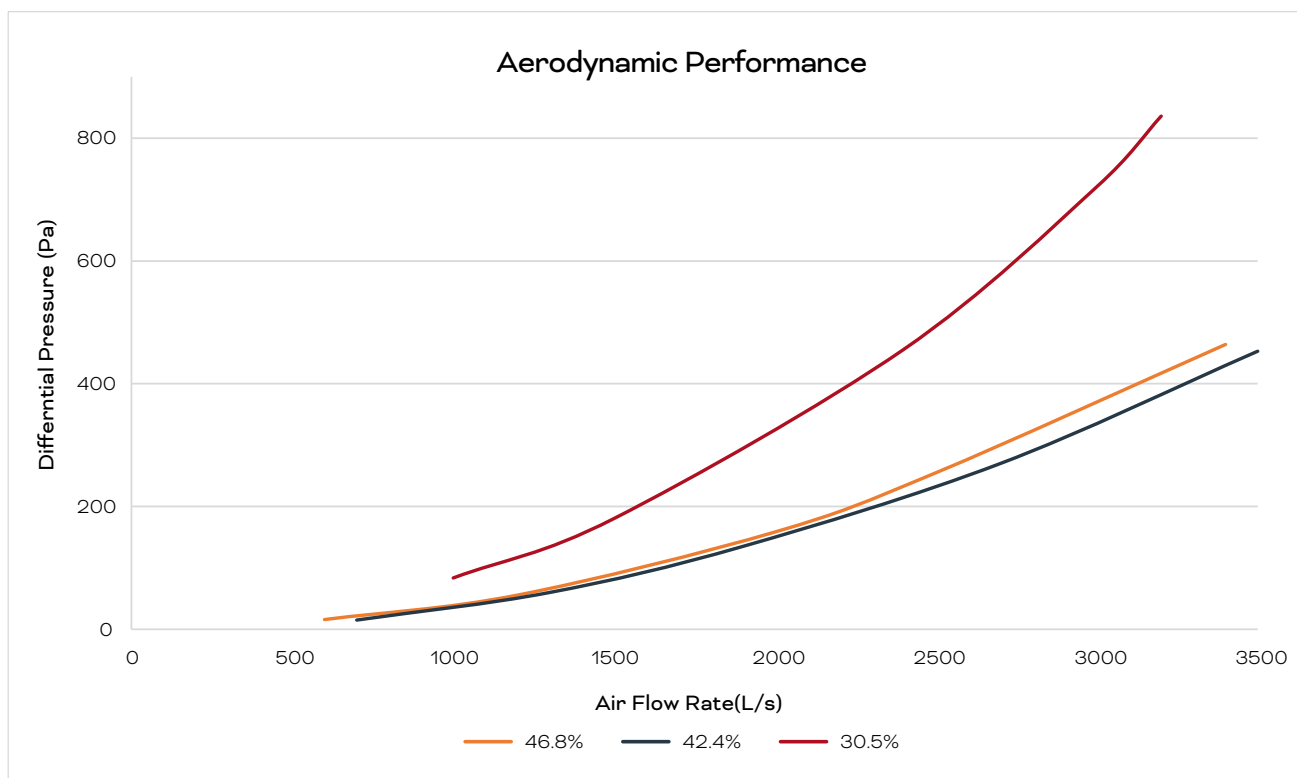
STC as per ASTM E413-16

Acoustic performance data extracted from Test Report: TL827-01-1, TL827-05-1, TL827-03-1

ALV425 – DOUBLE 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	1000	15.8	700	15.0	1000	83.6
2	1500	55.7	1300	60.0	1500	180.5
3	2400	158.5	1900	135.0	2400	456.0
4	3000	255.0	2700	270.0	3000	721.0
5	3200	464.0	3500	453.0	3200	836.0
	Discharge Coefficient (C_d)		Discharge Coefficient (C_d)		Discharge Coefficient (C_d)	
	0.437		0.443		0.558	
	Performance Class (Class)		Performance Class (Class)		Performance Class (Class)	
	3		2		2	

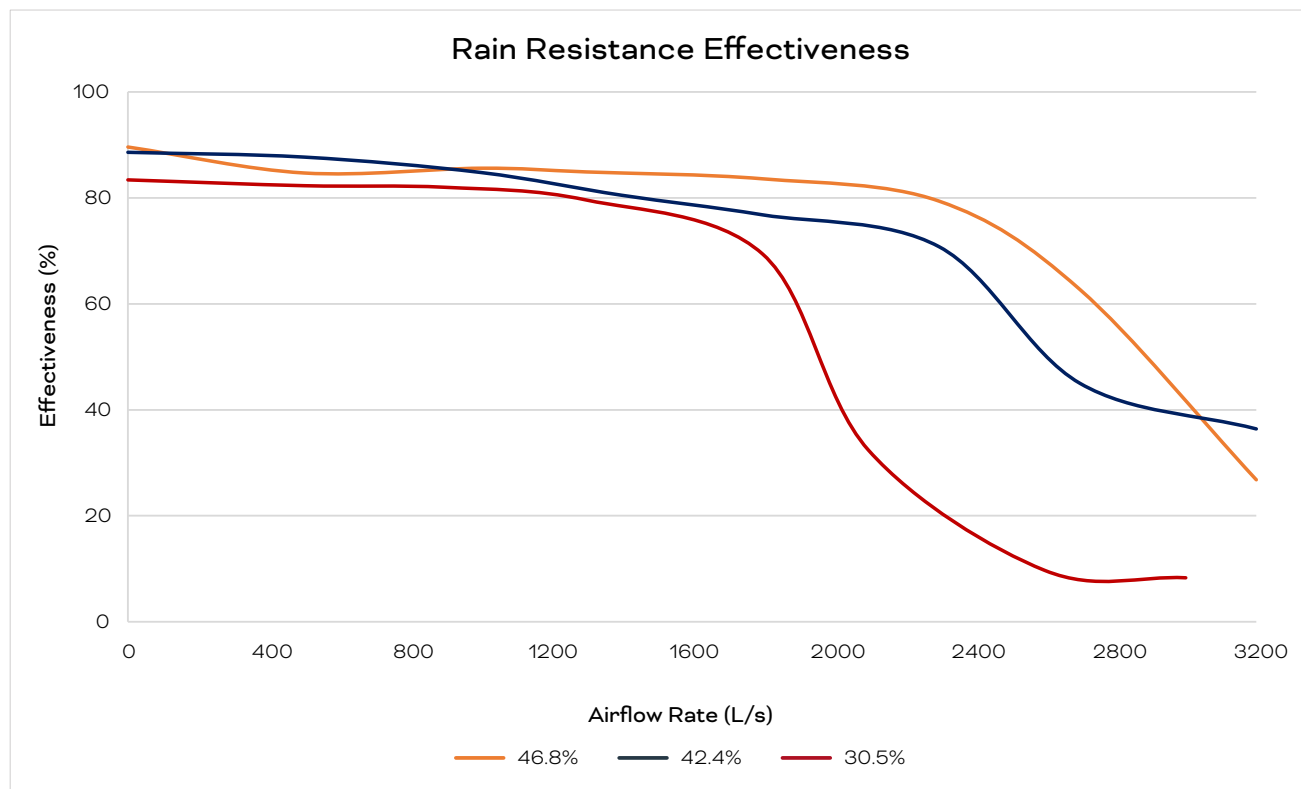


Performance data extracted from Test Reports: SW8595-01-A, SW8595-02-A, SW8595-03-A

ALV425 – DOUBLE STAGE ACOUSTIC LOUVRE

SYSTEM DATA – RAIN RESISTANCE

Resistance to Leakage During Rain (AS/NZS 4740:2025)								
Wind Velocity: 13 m/s								
46.8% Free Air			42.4% Free Air			30.5% Free Air		
Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)	Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)	Airflow Rate (L/s)	Effectiveness (%)	Performance Class (Class)
-	89.6	C	0	88.6	C	-	83.4	C
500	84.7	C	500	87.7	C	500	82.3	C
1000	85.6	C	1000	84.8	C	900	82.0	C
1300	84.9	C	1400	80.5	C	1300	79.6	D
1800	83.6	C	1800	76.8	D	1800	69.4	D
2300	79.4	D	2300	70.8	D	2100	32.4	D
2700	62.7	D	2700	45.0	D	2600	9.7	D
3200	26.8	D	3200	36.4	D	3000	8.3	D



Performance data extracted from Test Reports: SW8595-01-A, SW8595-02-A, SW8595-03-A