

# AVS50 eco

## Performance Data



**Certificate No:** 53026/1

**Issue No:** 1

**Date of issue:** 18 May 2009

**Water penetration:** test

**Manufacturer:** Advanced Ventilation systems

**Model:** AVS50 ECO

**Simulated rainfall:** 75 mm/hr

**Wind speed:** 13.5 m/s

**Date:** 26/02/2002

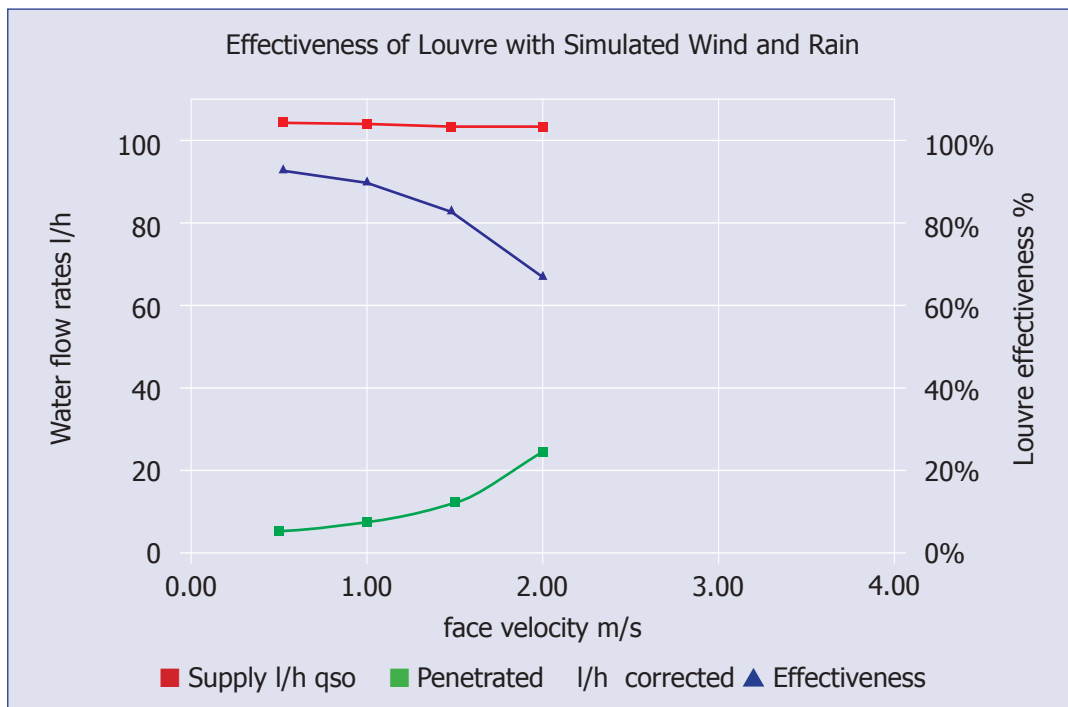
**Contract:** IJ16944A

**Louvre height:** 1000mm

**Louvre width:** 1000mm

**Louvre area:** 1000m<sup>2</sup>

VENTILATION RATE		WATER FLOW RATES		Effectiveness
Volume m <sup>3</sup> /s	Velocity m/s	Supply l/h	Penetrated l/h	
0.50	0.50	104.35	5.62	92.51%
1.00	1.00	103.77	7.59	88.89%
1.50	1.50	103.20	12.87	82.84%
2.00	2.00	103.20	24.21	67.72%



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# AVS50 eco

## Performance Data



**Certificate No:** 53026/1

**Issue No:** 1

**Date of issue:** 18 May 2009

**Entry loss coefficient:** test

**Manufacturer:** Advanced Ventilation systems

**Model:** AVS50 ECO

**Air:** temperature: 19.5 °C

**Barometer:** 985 mbar

**Air density:** 1.168kg/m<sup>3</sup>

**Date:** 26/02/2002

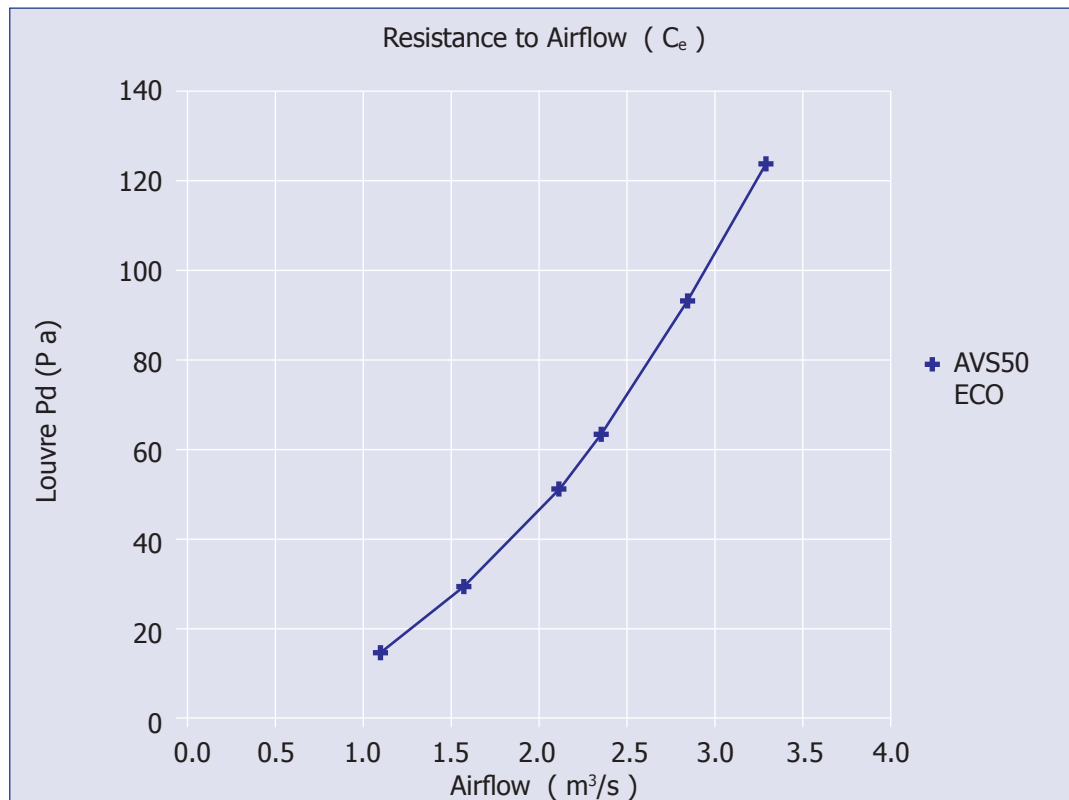
**Contract:** IJ16944A

**Louvre height:** 1000mm

**Louvre width:** 1000mm

**Louvre area:** 1.000m<sup>2</sup>

Louvre pd Pascals	LOUVRE FACE VELOCITY		AIR FLOW RATE		Coefficient C <sub>e</sub>
	m/s	Test m <sup>3</sup> /s	Theoretical m <sup>3</sup> /s		
14.5	1.114	1.114	4.983	0.224	
29.0	1.578	1.578	7.047	0.224	
51.5	2.107	2.107	9.391	0.224	
63.5	2.340	2.340	10.428	0.224	
93.5	2.822	2.822	12.654	0.223	
124.0	3.264	3.264	14.572	0.224	
			mean C <sub>e</sub>	0.224	



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