

3 RESULTS

3.1 COEFFICIENT OF ENTRY

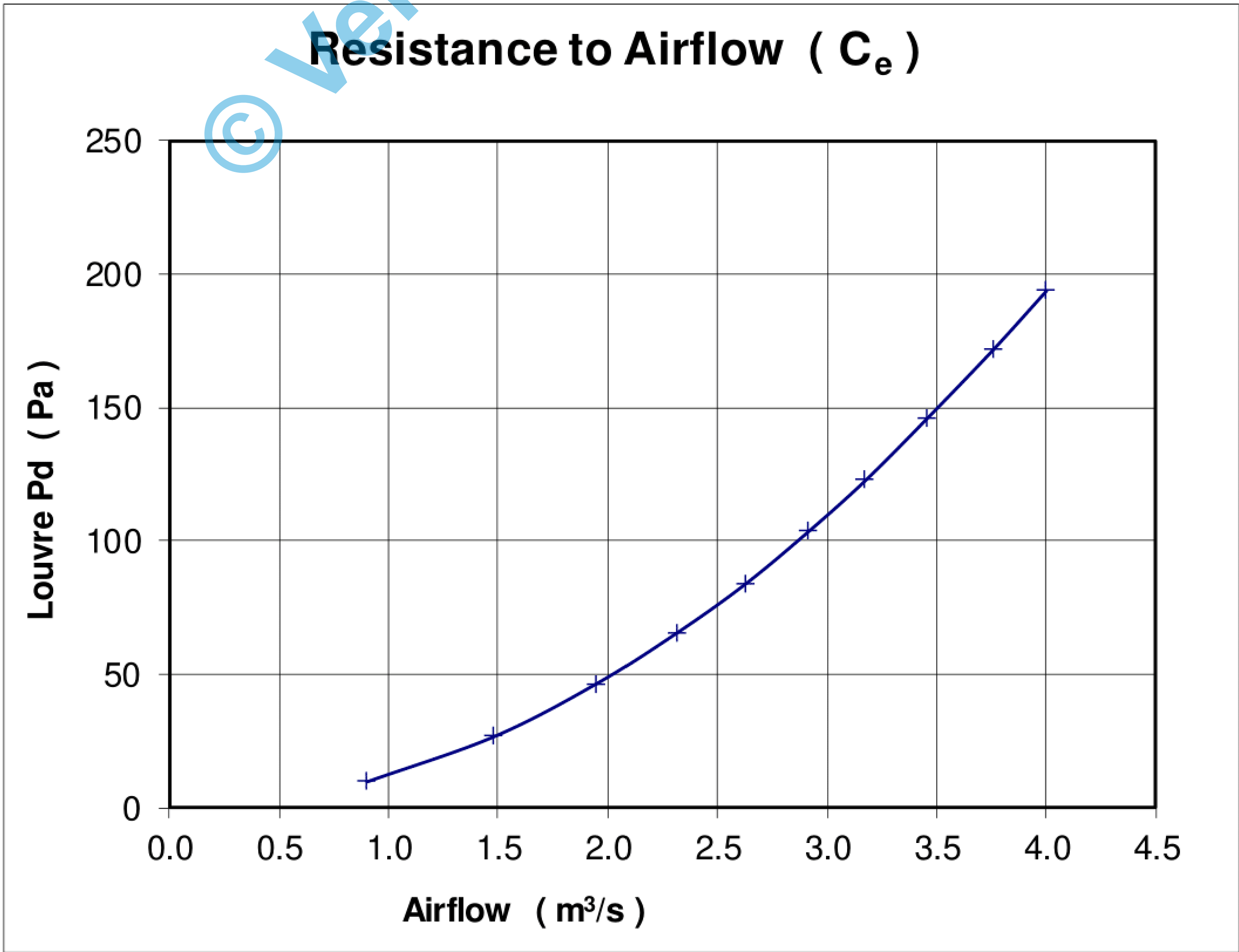
Manufacturer Ventuer
Model AL-450V

Date 14/11/2024
Contract 105677

Air Temperature18.6 °C
Barometer1025.3 mbar
Air Density1.219 kg/m³

Core Area Height994 mm
Core Area Width995 mm
Core Area Area0.989 m²

Louvre p.d. Pa	Louvre Face Velocity	Air Flow Rate		Coefficient C _e
	m/s	Test m³/s	Theoretical m³/s	
10.0	0.91	0.898	4.006	0.224
26.9	1.49	1.477	6.570	0.225
46.7	1.97	1.944	8.656	0.225
65.9	2.34	2.313	10.283	0.225
84.2	2.65	2.625	11.623	0.226
104.0	2.95	2.915	12.918	0.226
123.0	3.21	3.172	14.048	0.226
146.0	3.49	3.452	15.305	0.226
172.0	3.80	3.756	16.612	0.226
194.0	4.04	3.999	17.643	0.227
Mean C _e				0.225
Class				3



A ‘trendline’ for the above graph would follow $y = 12.411x^{1.9869}$