

Ventilation system with heat recovery and

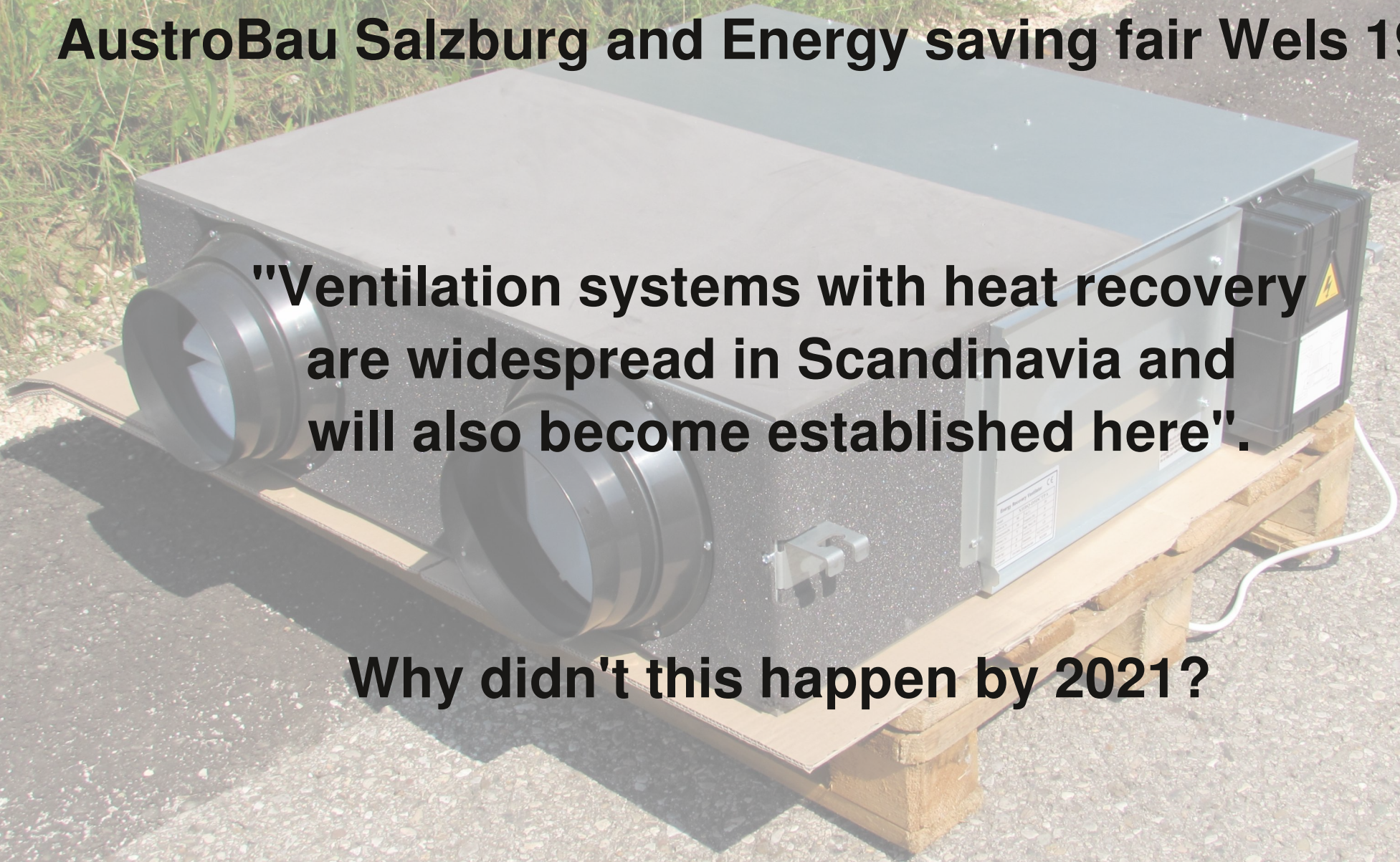


moisture recovery from exhaust air

AustroBau Salzburg and Energy saving fair Wels 1992:

"Ventilation systems with heat recovery are widespread in Scandinavia and will also become established here".

Why didn't this happen by 2021?



Why not widespread?

Sonderausstattungen (gegen Aufpreis)	
Holzfenster 92/0,74	4.903,-
Holz/Alufenster 110/0,74	8.965,-
Holz-Alu-Fenster „Stratos Classic“/0,78	10.730,-
Kunststoff-/Alufenster 88 Top/0,74	3.406,-
Rollläden eingebaut für alle Fenster *	7.682,-
Rollläden aufgesetzt für alle Fenster *	8.197,-
E-Antrieb für Rollläden für alle Fenster *	7.700,-
Raffstores eingebaut für alle Fenster *	11.426,-
E-Antrieb inkl. Windwächter für Raffstores für alle Fenster *	8.734,-
Insektenschutzgitter (nur in Verbindung mit Rollläden/Raffstores möglich) *	5.200,-
Komfort-Lüftungsanlage	11.710,-
Multifunktions-Wärmetechnik	8.020,-
Thermodecke/-dach	2.400,-
fugenloser Baustellenputz	inklusive

Savings **4,000 kWh_{thermal}** **400 €**

Expenses **100 kWh_{electrical}** **20 €**

Annual savings **380 €**

Ihr Vorhaben

Kaufen

Bauen

Sanieren

Sonstiges

Vorhabenskosten

11.710 €

Betrag ermitteln

Eigenmittel

z.B. 20.000 €

Betrag ermitteln

Wohnbauförderungen

z.B. 20.000 €

Betrag ermitteln

Laufzeit in Jahren

10

15

20

25

30

Ihr Finanzierungsbetrag

11.710 €

Ihre monatliche Rate

46 €

Wie wird Ihre Rate berechnet?

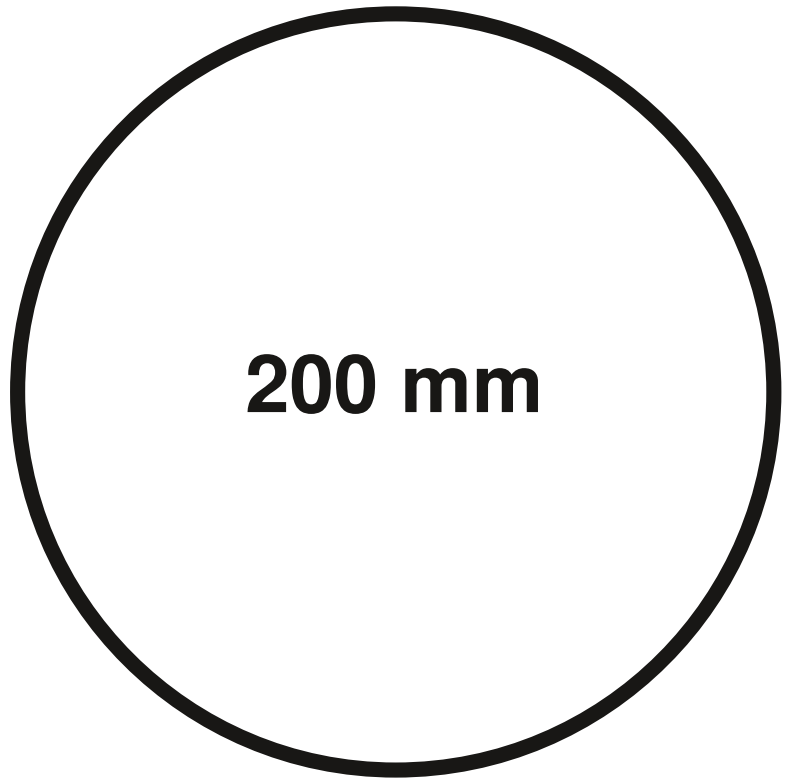
380 € savings against 552 € more annual loan repayment

Would such a surcharge list be feasible when buying a car?

Air conditioner	2000 €
Comfort air conditioner with automatic temperature regulation	4000 €
HEPA air filter	3000 €
Power windows front	2000 €
Power windows rear	1000 €
Central locking system	2000 €
Automatic central locking when the car is moving	4000 €
ABS (Anti-lock Braking System)	4000 €
ESP (Electronic Stability Program)	7000 €

When buying a house, this is currently still standard

100 m³ per hour air exchange

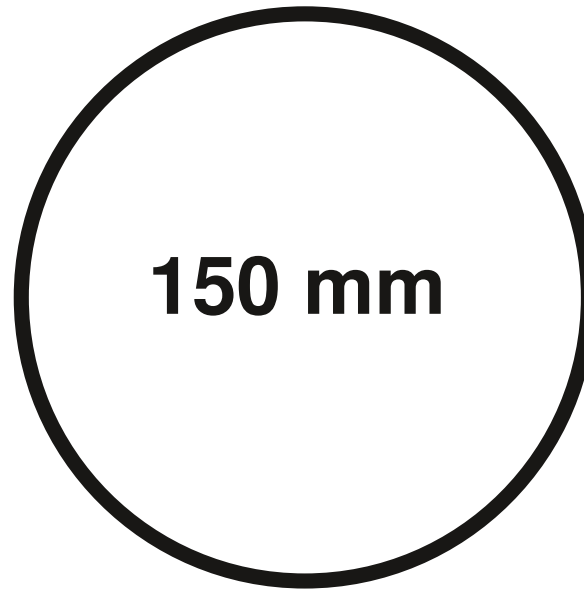


200 mm



0.88 m/sec

12 Watt



150 mm



1.57 m/sec

21 Watt

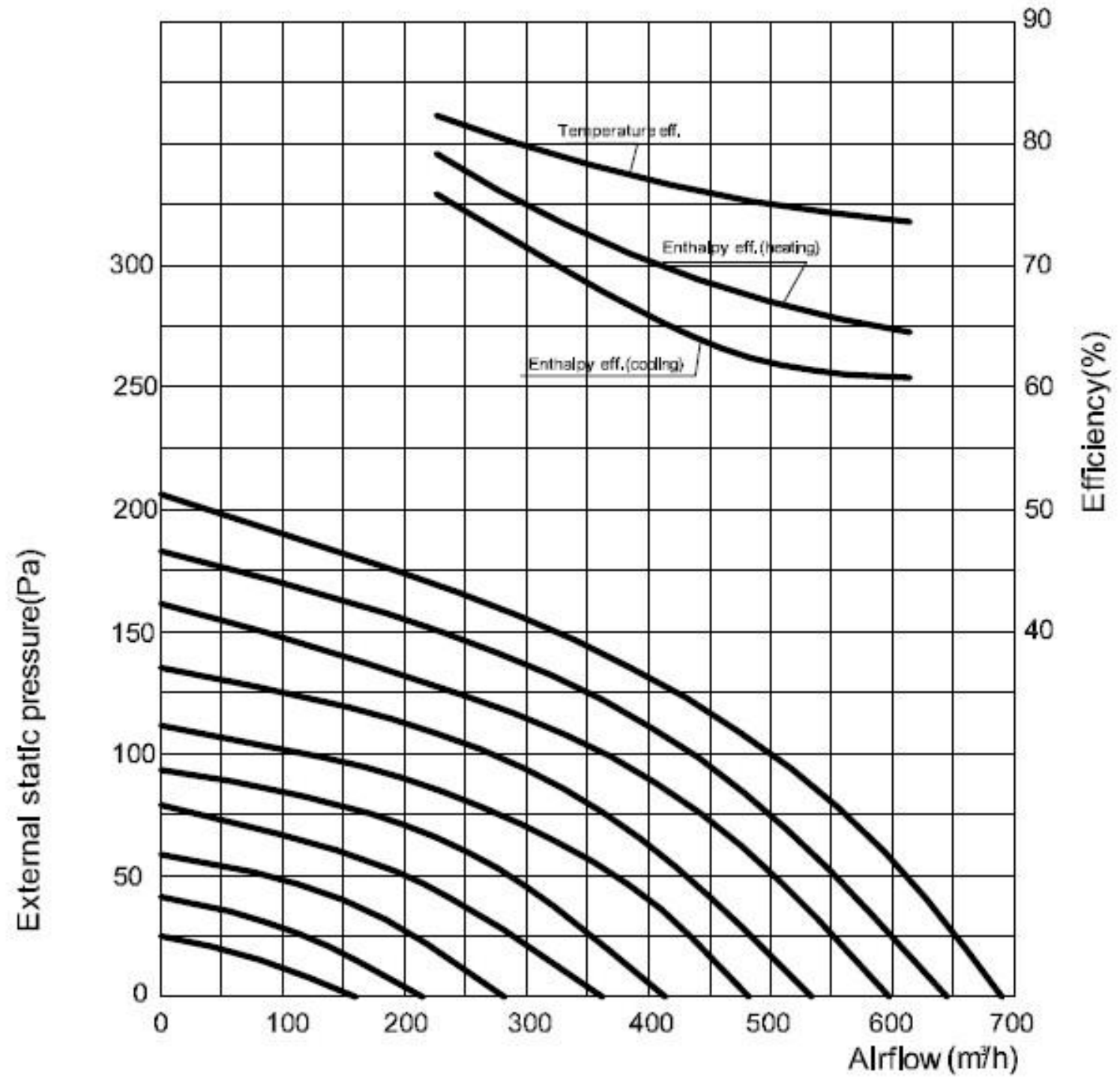


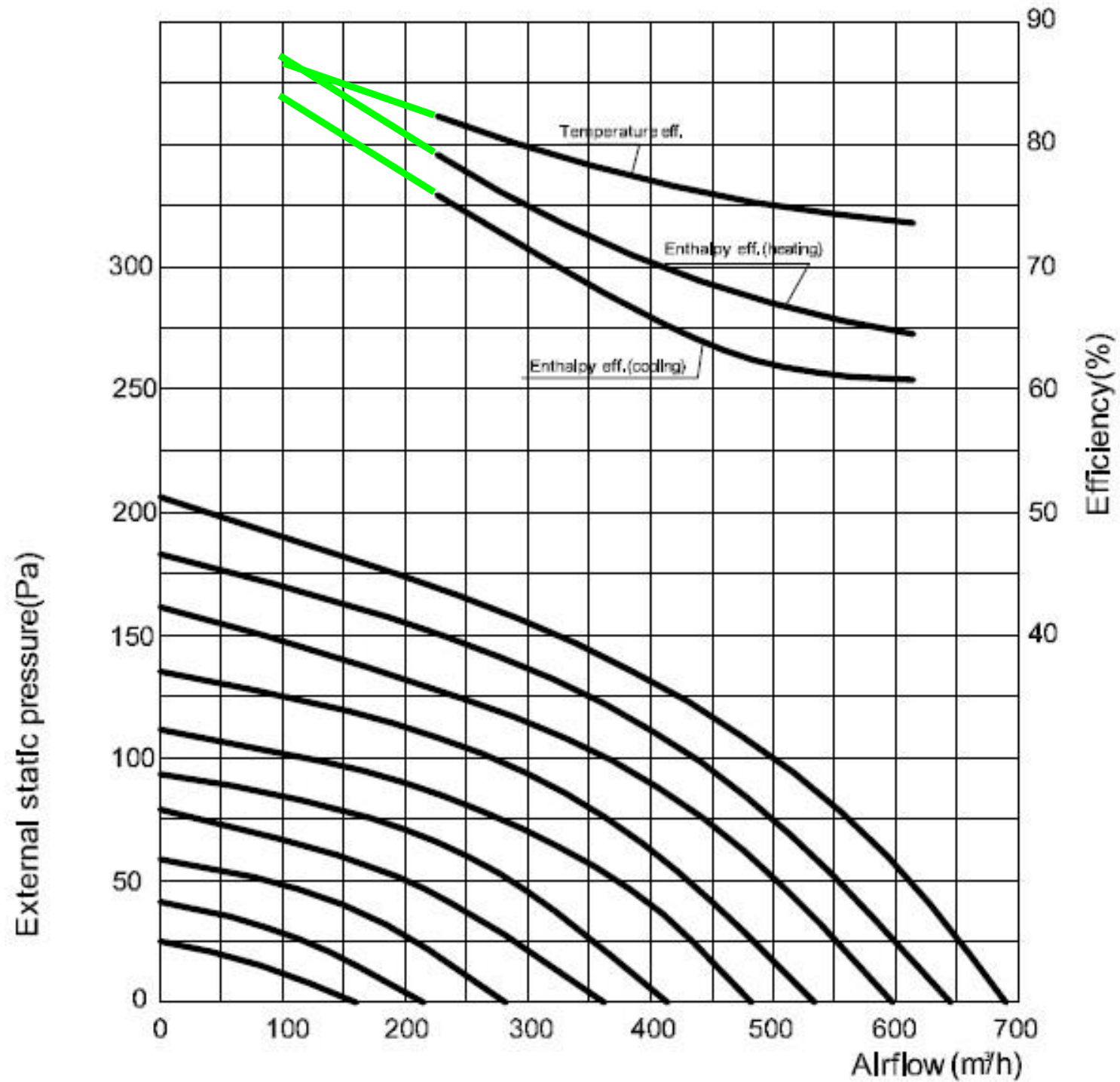
125 mm



2.37 m/sec

31 Watt



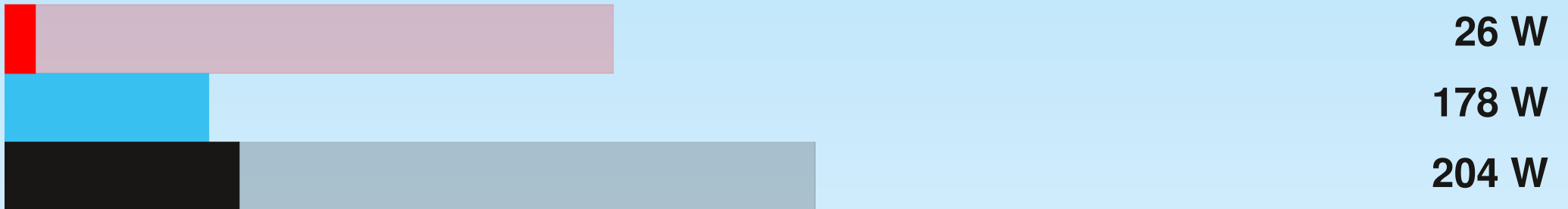


-5° 20 % outside to 18° 40 % inside 70 m³/h

Primitive ventilation system



Ventilation system with 95 % heat recovery

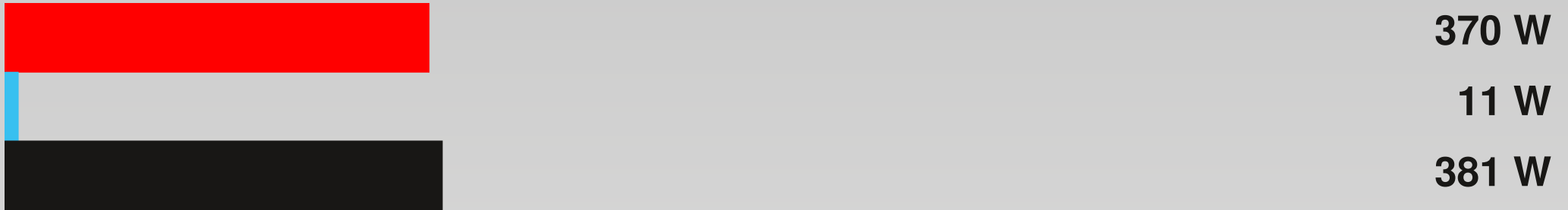


Ventilation system with 85 % heat recovery and 85 % moisture recovery

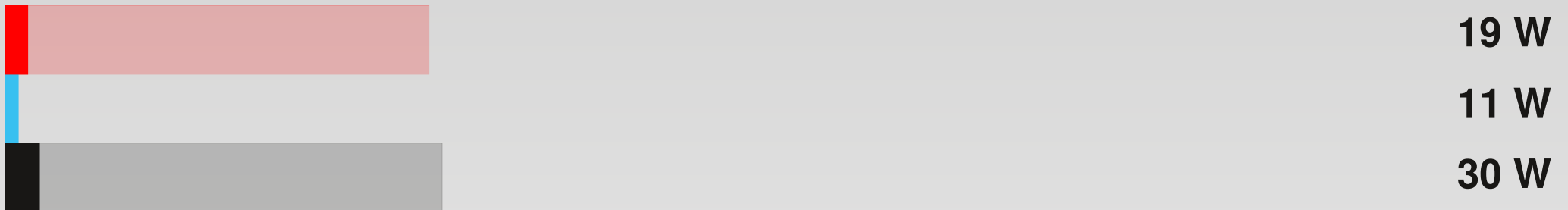


2° 80 % outside to 18° 40 % inside 70 m³/h

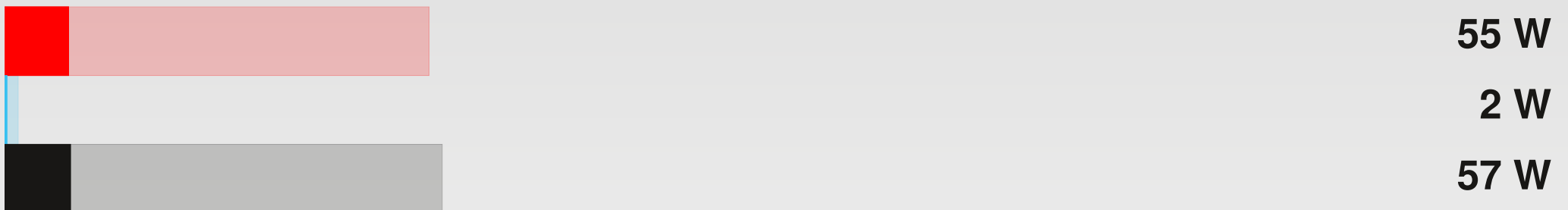
Primitive ventilation system



Ventilation system with 95 % heat recovery



Ventilation system with 85 % heat recovery and 85 % moisture recovery



-5° 20 % outside to 22° 50 % inside 100 m³/h

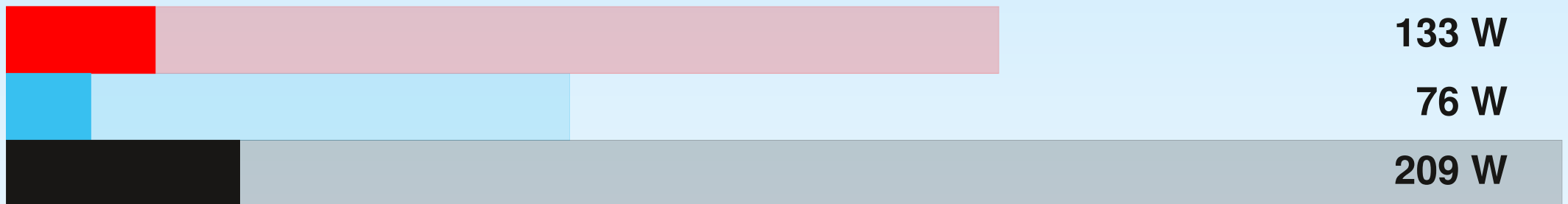
Primitive ventilation system



Ventilation system with 95 % heat recovery



Ventilation system with 85 % heat recovery and 85 % moisture recovery



2° 80 % outside to 22° 50 % inside 100 m³/h

Primitive ventilation system



Ventilation system with 95 % heat recovery



Ventilation system with 85 % heat recovery and 85 % moisture recovery

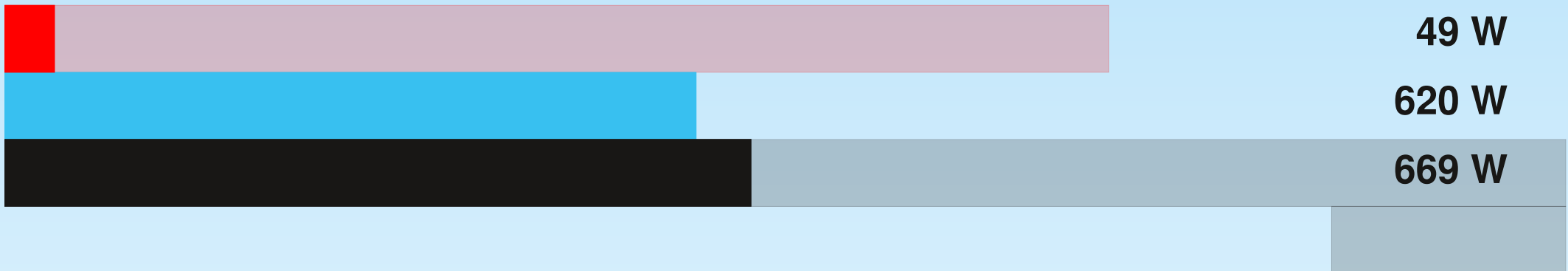


-5° 20 % outside to 25° 50 % inside 100 m³/h

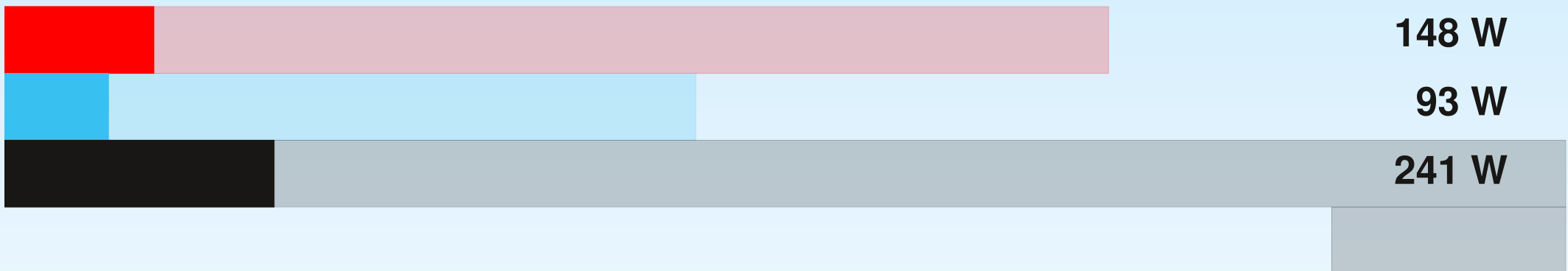
Primitive ventilation system



Ventilation system with 95 % heat recovery



Ventilation system with 85 % heat recovery and 85 % moisture recovery



2° 80 % outside to 25° 50 % inside 100 m³/h

Primitive ventilation system



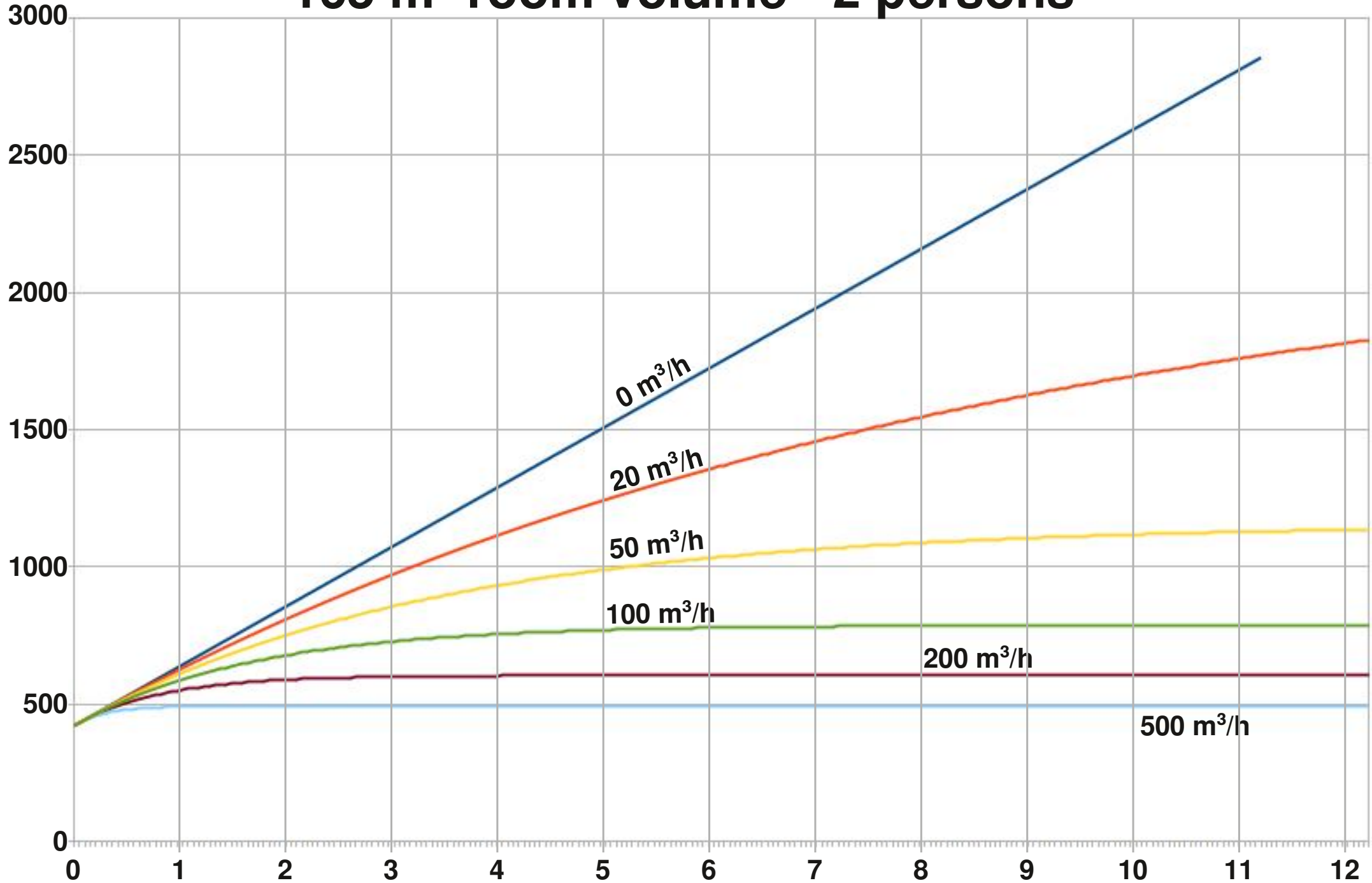
Ventilation system with 95 % heat recovery



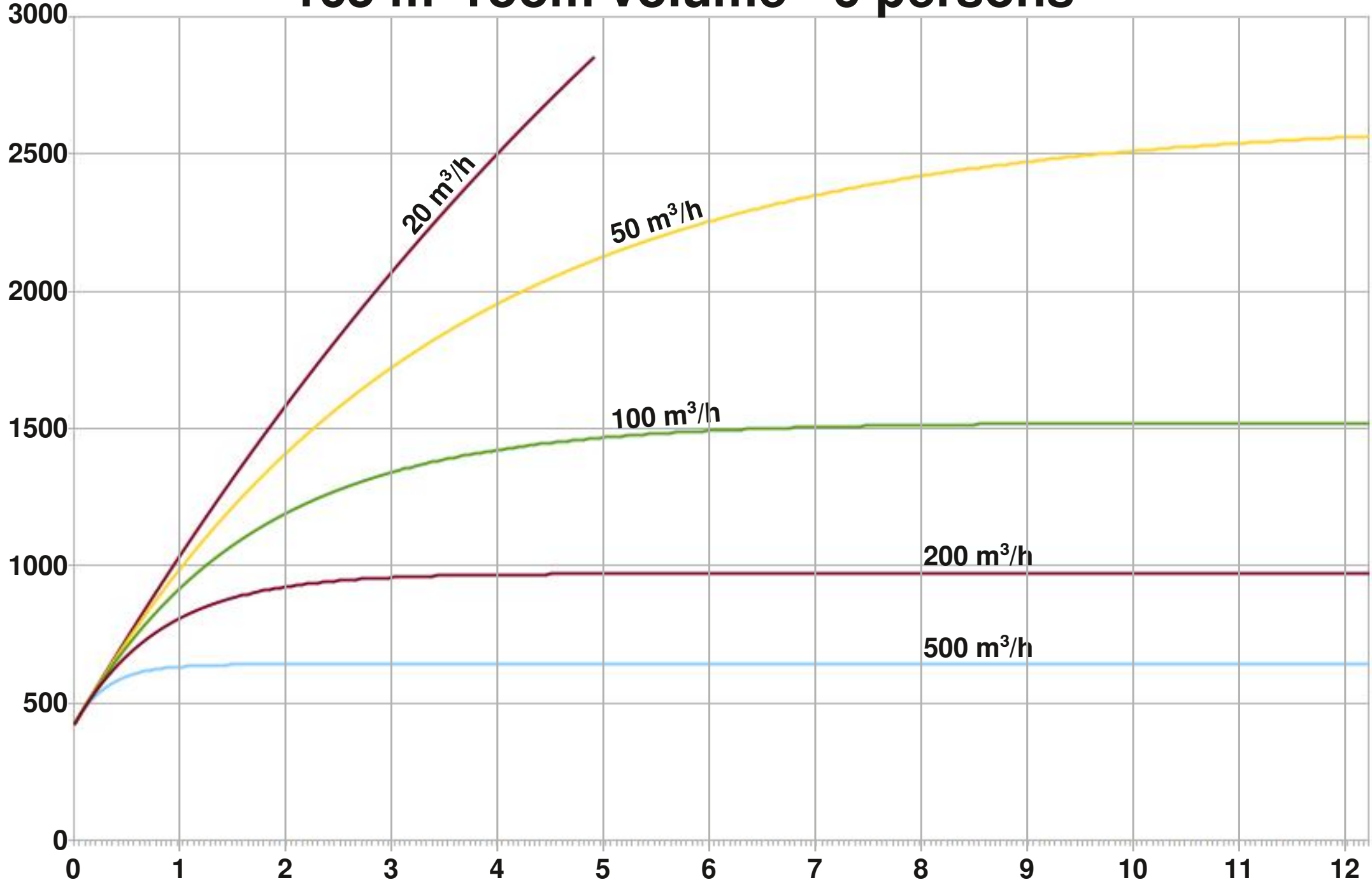
Ventilation system with 85 % heat recovery and 85 % moisture recovery



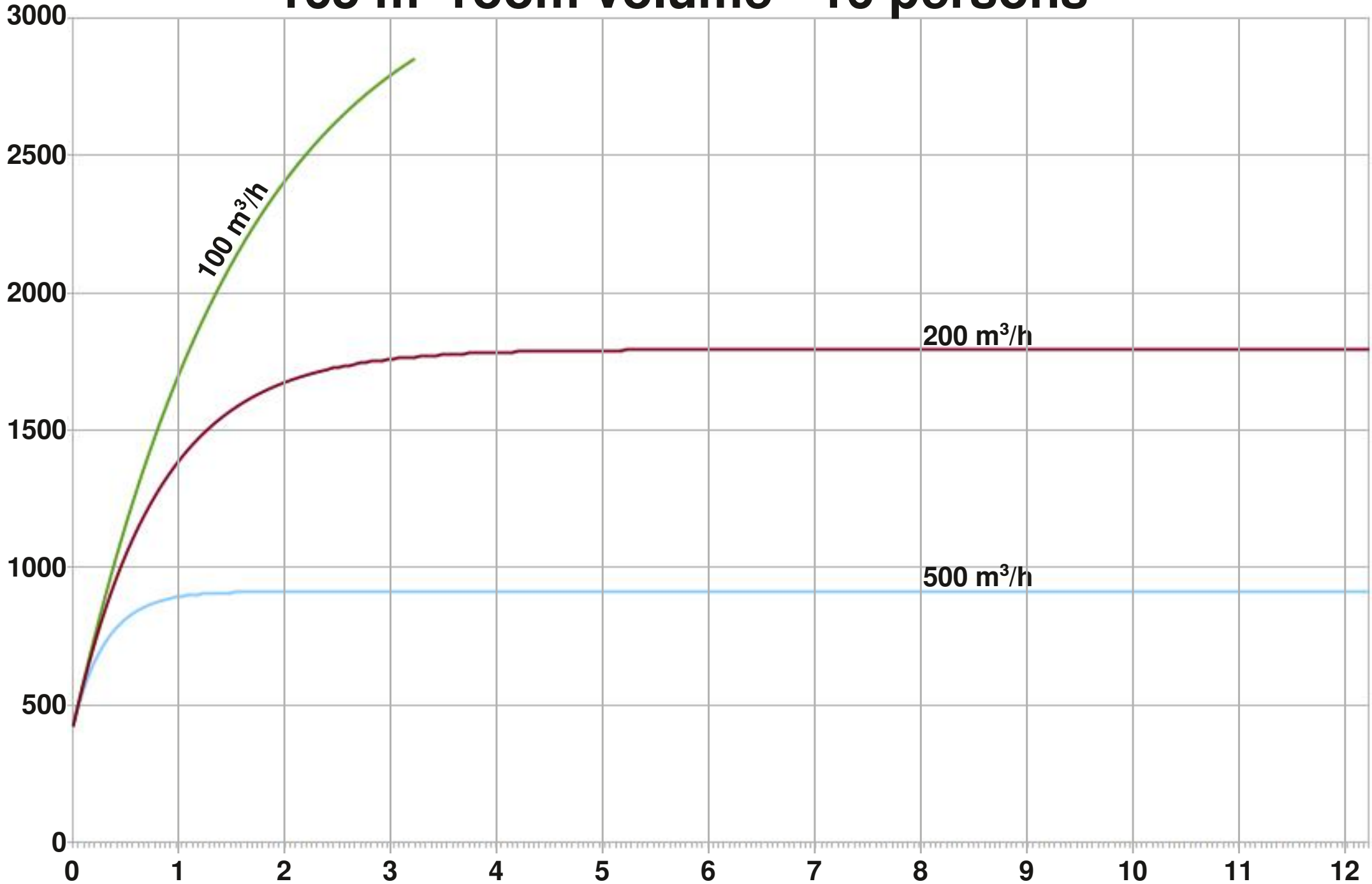
165 m³ room volume - 2 persons



165 m³ room volume - 6 persons



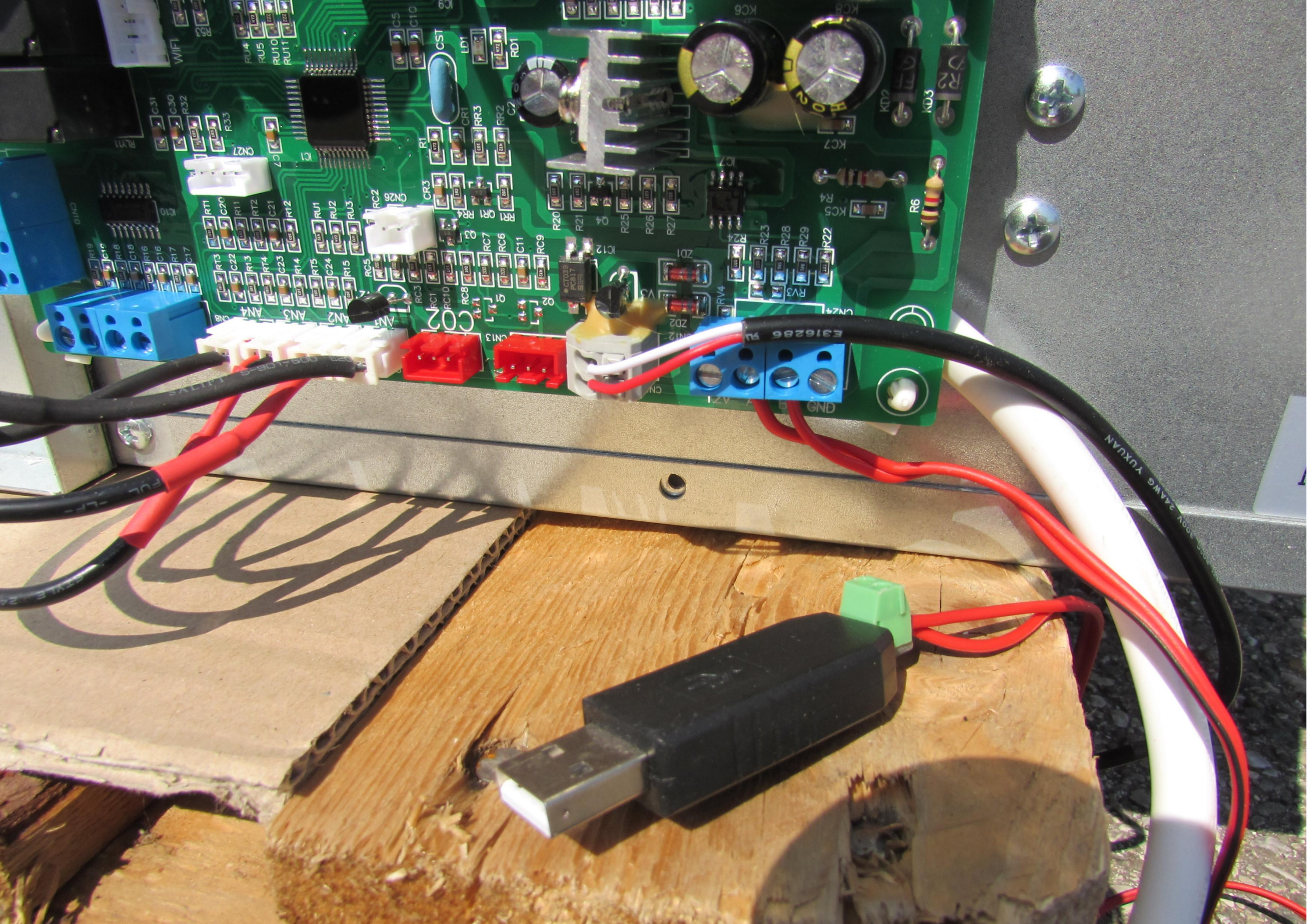
165 m³ room volume - 16 persons





Notice
When the unit is not in use, it is not safe to use it for any other purpose. Check the user manual for more information.

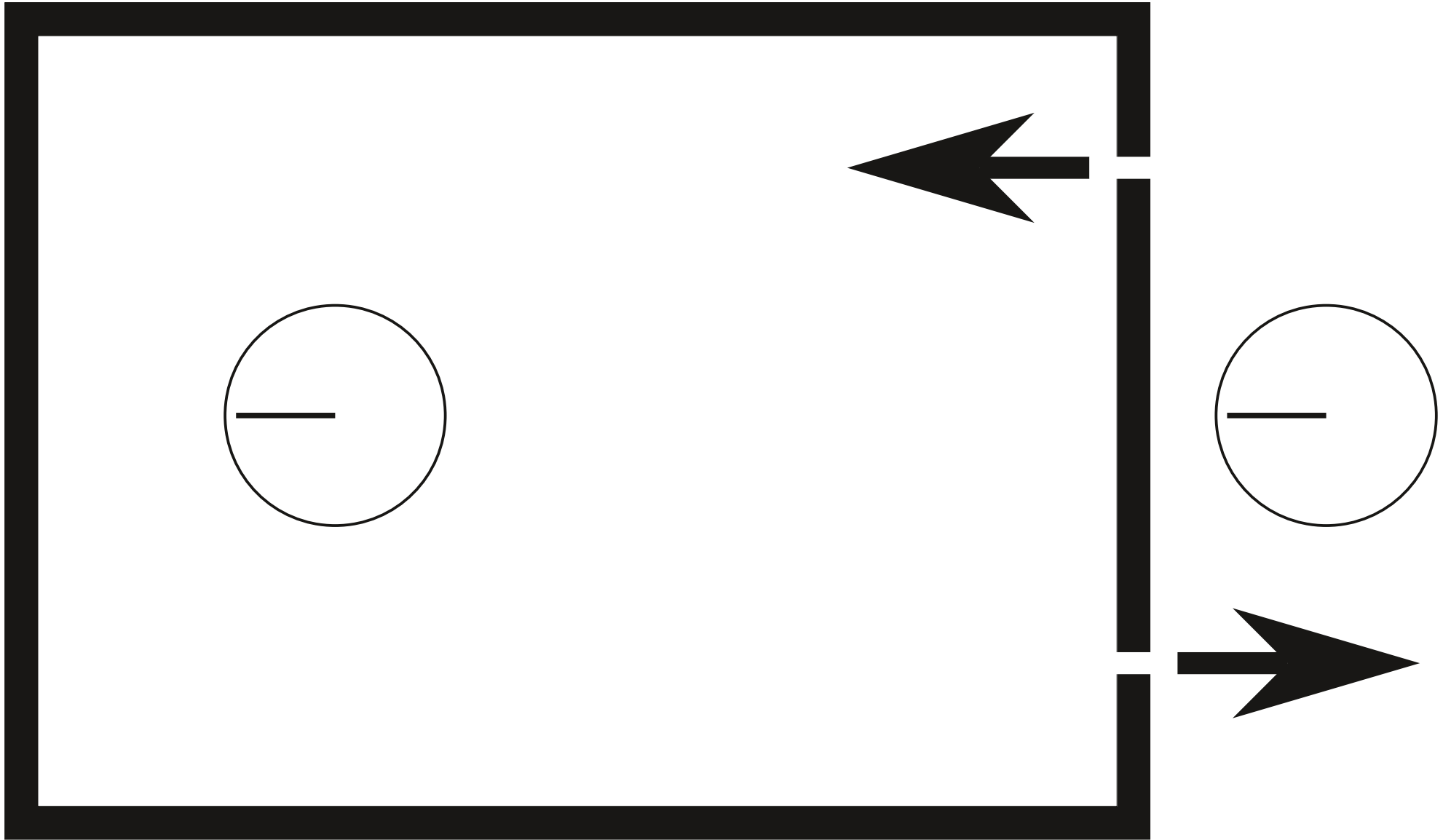
Recovery Ventilator		CE
N1110-D5DCTPA		
(L/min)	200	
(m³/h)	140	
(l/s)	1.28	
(m³/min)	3.33	



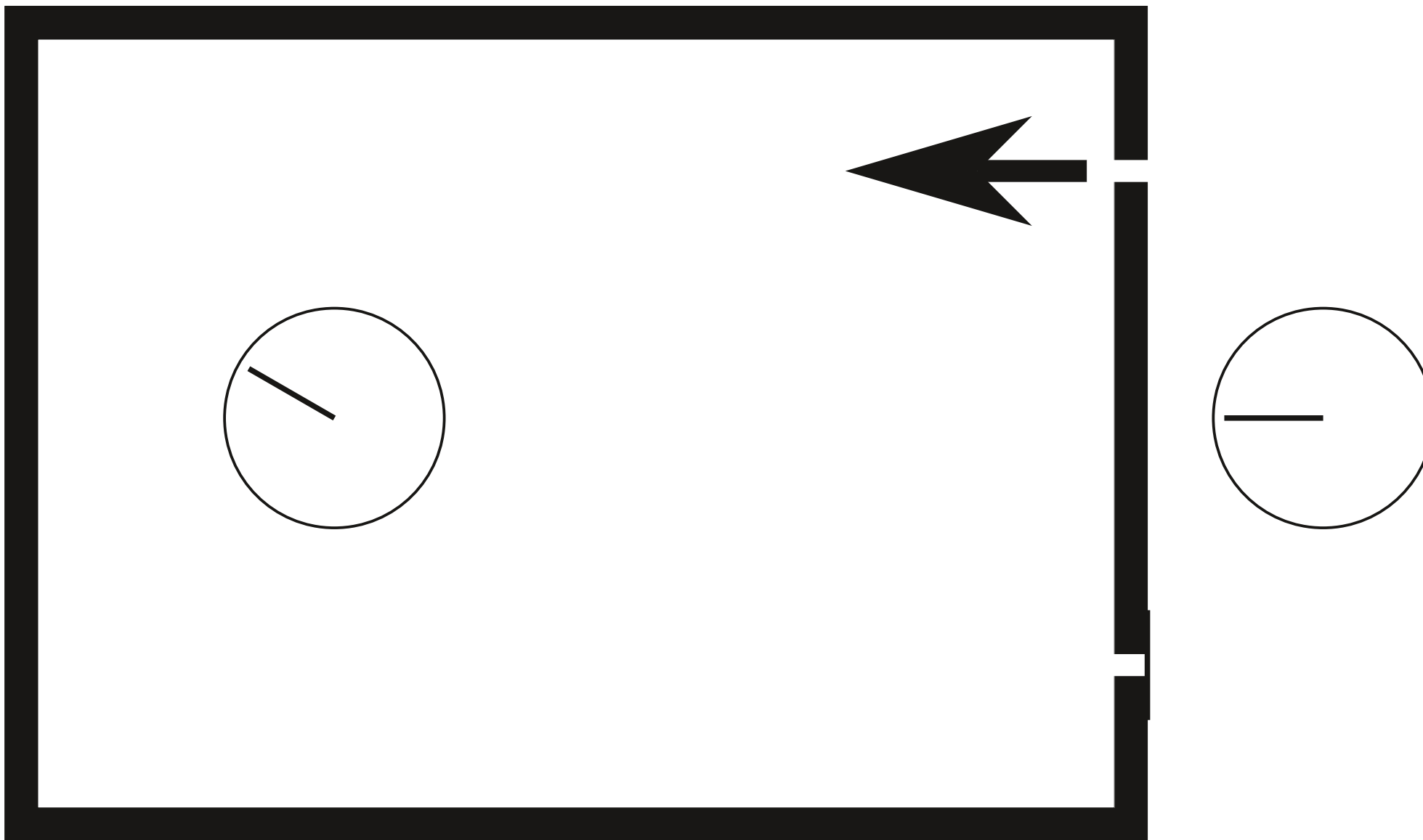


Anobium punctatum

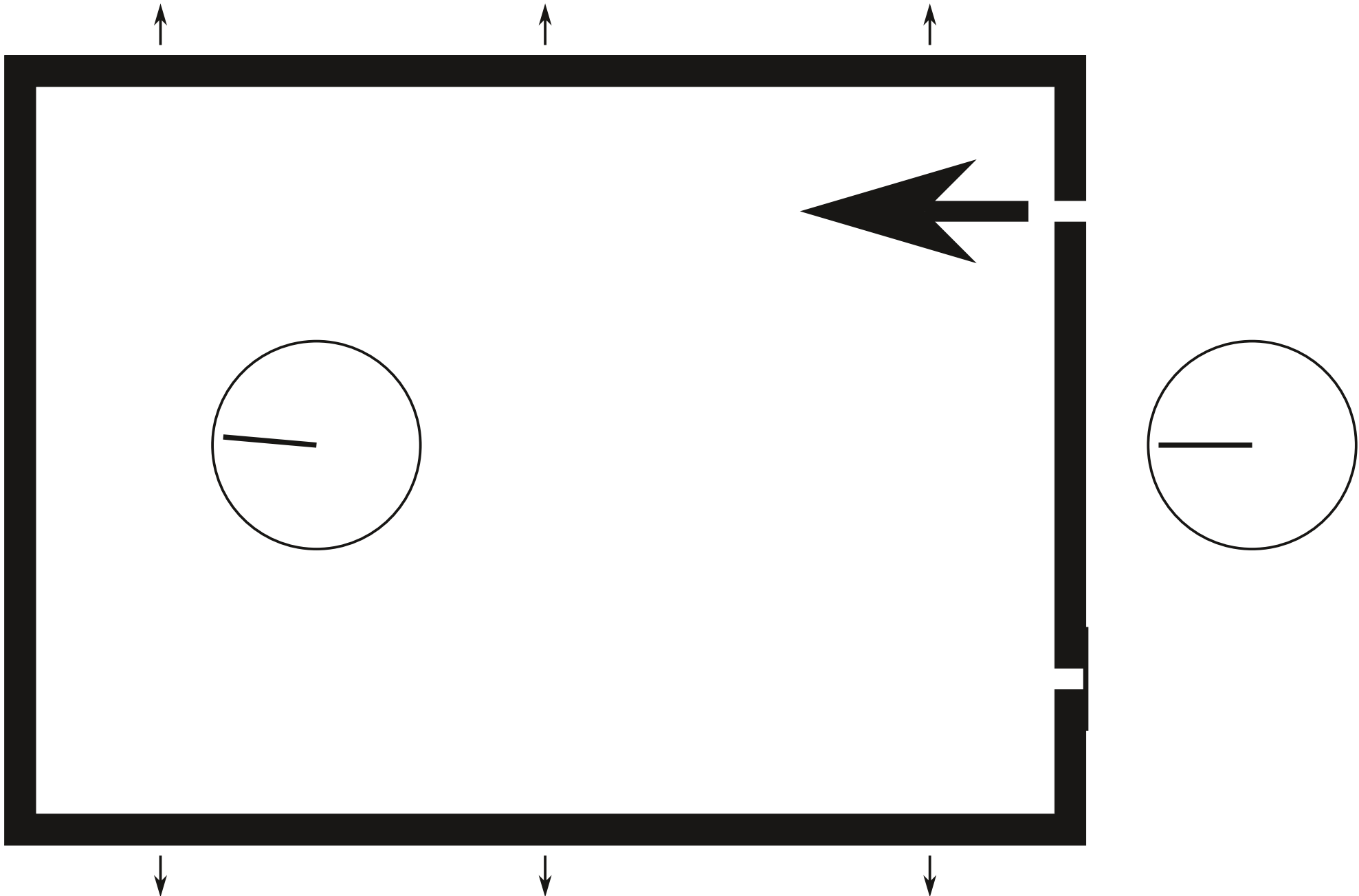
Same air pressure



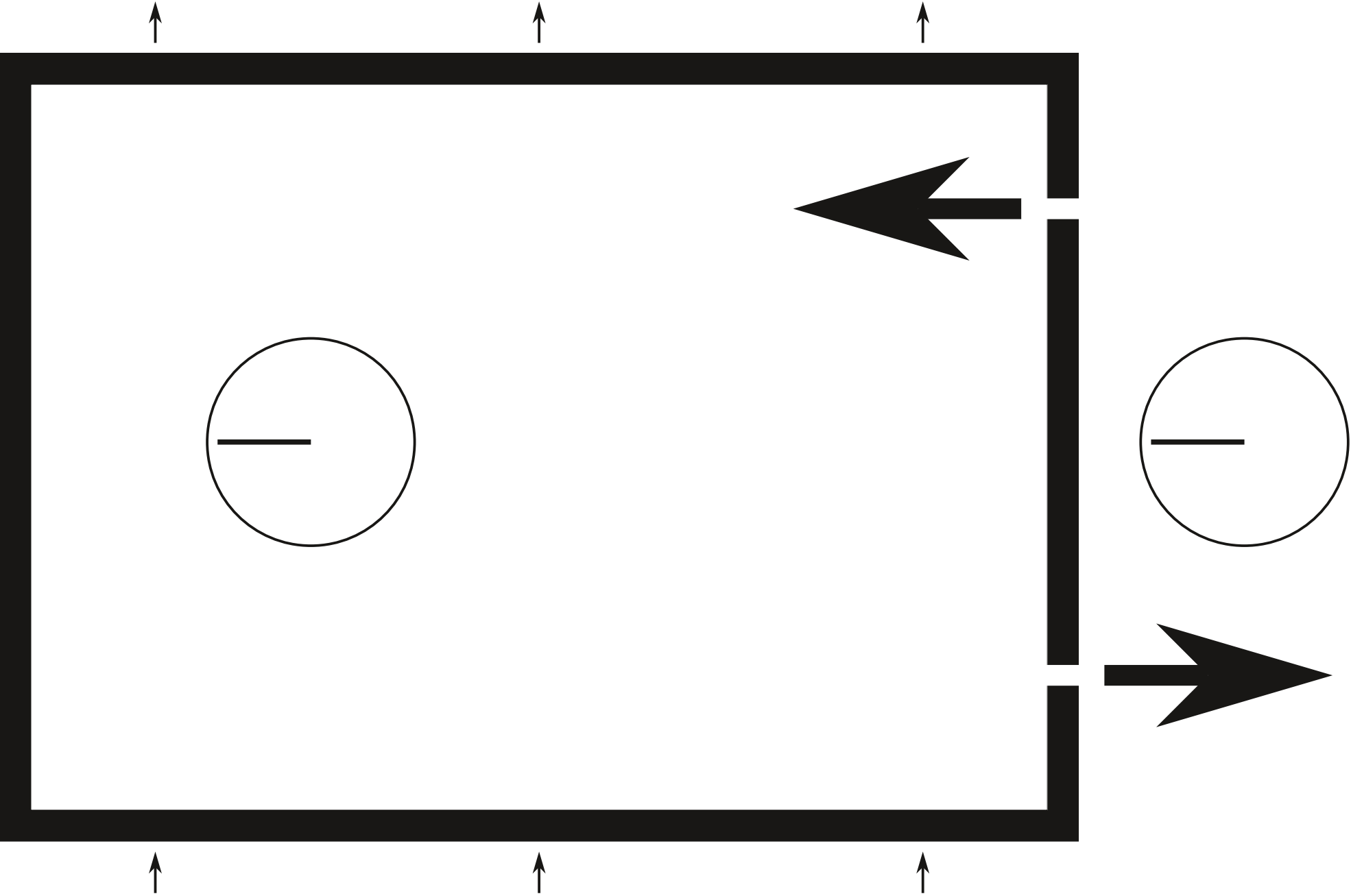
Tight house, air pressure rises inside



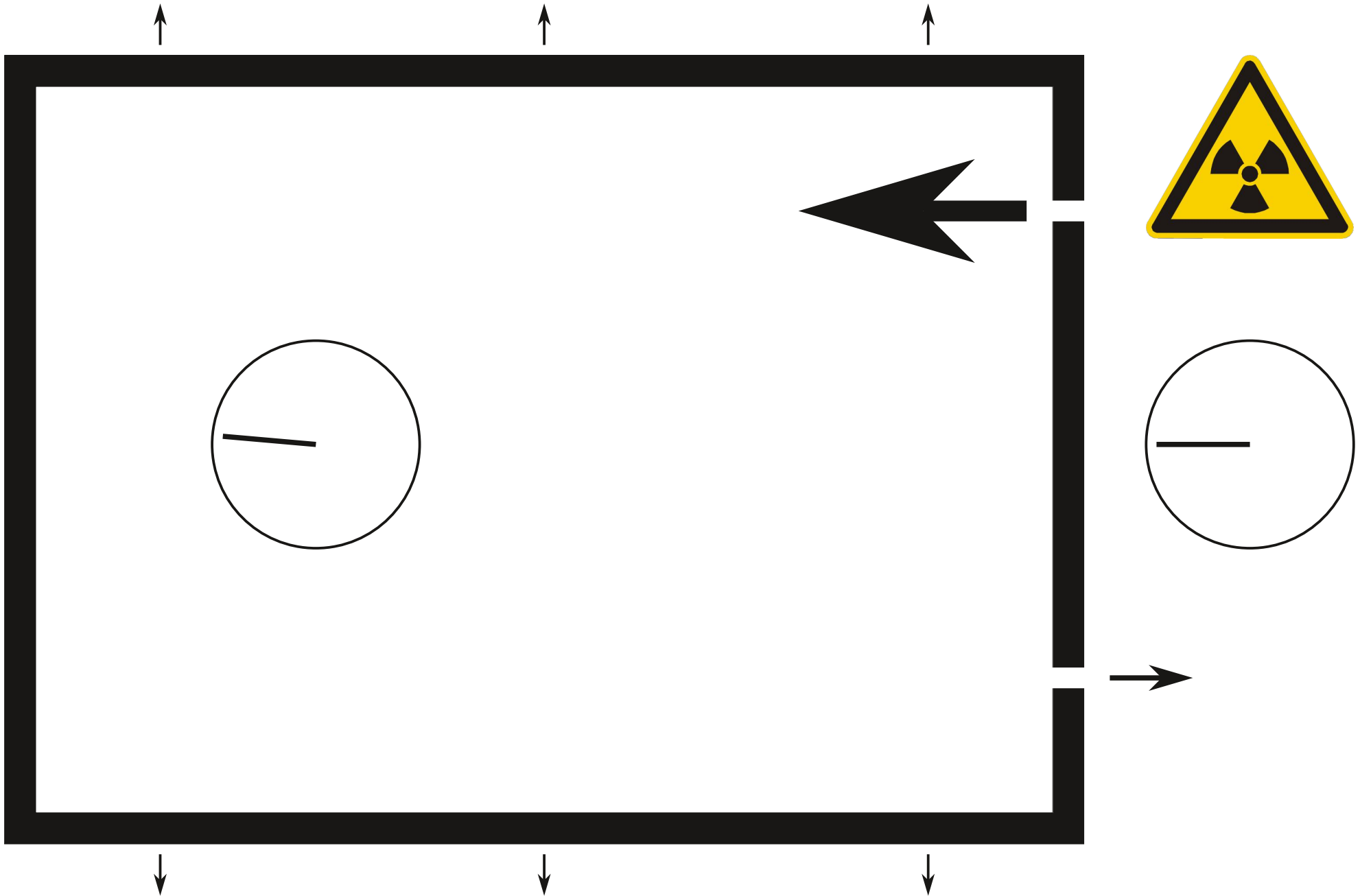
Leaky house, air pressure inside rises only slightly



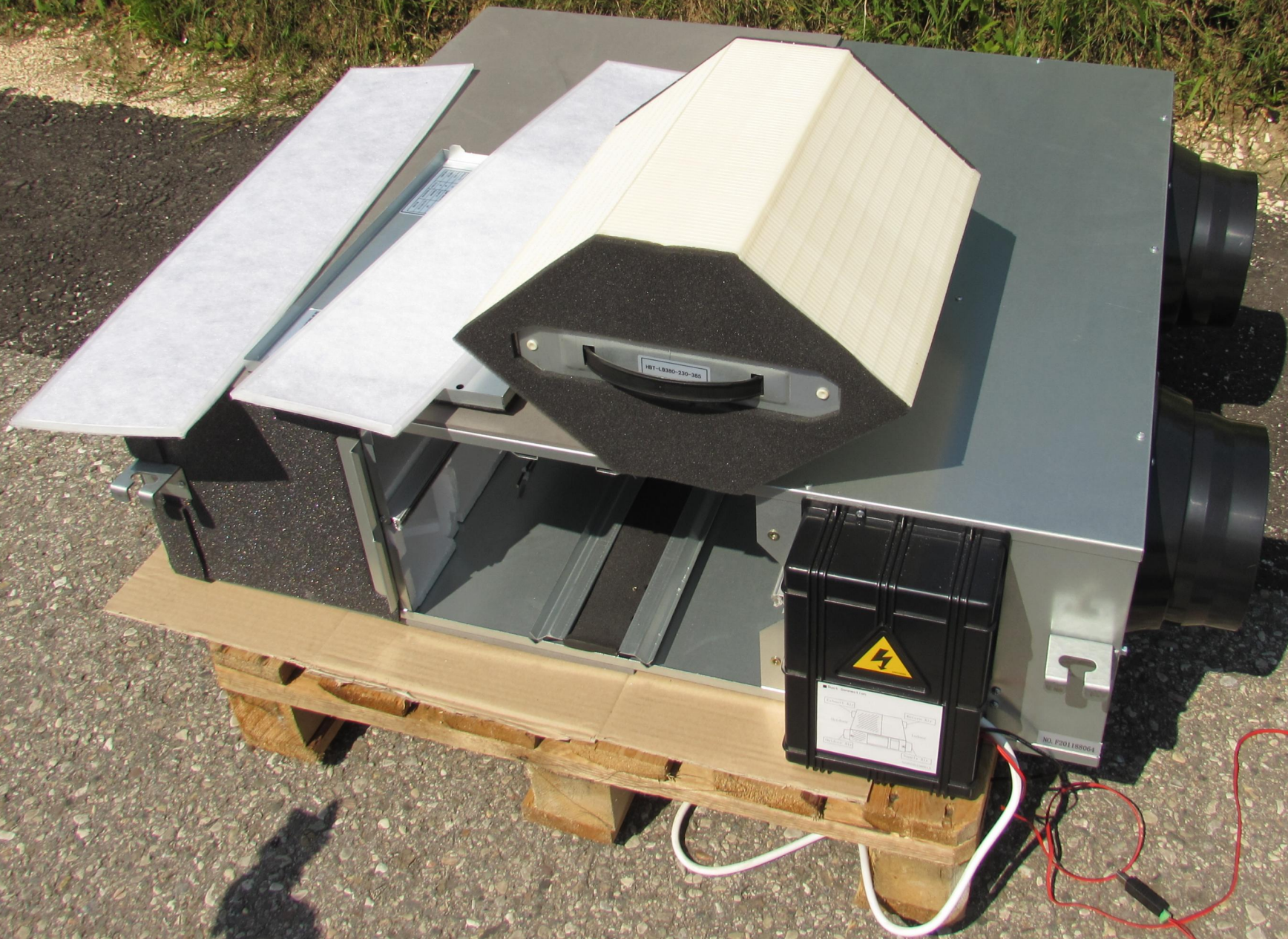
No house is as tight as a submarine



Air risk defense mode







HRT-LS380-230-385

Warning symbol: lightning bolt in a triangle.

Diagram showing a cross-section of the high-pressure cell with labels for various components.

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