



## Technical parameters

	Airobot L	Airobot L5	Airobot S1	Airobot S2	Airobot V3	Airobot V8
<b>Maximum airflow at 100 Pa</b>	HRV: 250 m <sup>3</sup> /h or 69 L/s, ERV: 200 m <sup>3</sup> /h or 55 L/s	500 m <sup>3</sup> /h or 139 L/s	396 m <sup>3</sup> /h or 110 L/s	462 m <sup>3</sup> /h or 128 L/s	309 m <sup>3</sup> /h or 86 L/s	750 m <sup>3</sup> /h or 208 L/s
<b>Maximum airflow at 150 Pa</b>	235 m <sup>3</sup> /h (HRV) 175 m <sup>3</sup> /h (ERV)	470 m <sup>3</sup> /h	365 m <sup>3</sup> /h	430 m <sup>3</sup> /h	275 m <sup>3</sup> /h (HRV) 270 m <sup>3</sup> /h (ERV)	705 m <sup>3</sup> /h
<b>Maximum airflow at 200 Pa</b>	220 m <sup>3</sup> /h (HRV) 160 m <sup>3</sup> /h (ERV)	450 m <sup>3</sup> /h	340 m <sup>3</sup> /h	410 m <sup>3</sup> /h	260 m <sup>3</sup> /h (HRV) 240 m <sup>3</sup> /h (ERV)	660 m <sup>3</sup> /h
<b>Heat exchangers</b>	HRV – heat recovery ERV – heat and moisture recovery					
<b>Heat exchanger type</b>	Counter cross flow plate heat exchanger					
<b>Heat recovery efficiency 70% speed (EN 13141-7)</b>	HRV: 89% ERV: 77%	HRV: 85.6% ERV: 84.7%	HRV: 92.6% ERV: 83%	HRV: 92.2% ERV: 81.1%	HRV: 88.4% ERV: 77.4%	HRV: 85.4% ERV: 80.5%



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<b>Moisture recovery efficiency 70% speed (EN 13141-7)</b>	ERV: 48%	ERV: 66%	ERV: 53%	ERV: 54%	ERV: 66%	ERV: 61%
<b>Sound power level through casing 70% speed (EN13141-7)</b>	HRV: 37dB(A) ERV: 43 dB(A)	49 dB(A)	49dB(A)	50 dB(A)	47 dB(A)	48 dB(A)
<b>Bypass</b>	Automatic, partial	Automatic, partial	Automatic, 100%	Automatic, 100%	Automatic, partial	Automatic, 100%
<b>Filters</b>	Extract: ePM10 55% (M5), outside: ePM1 55% (F7)					
<b>Material</b>	Expanded Polypropylene (EPP)		Expanded Polystyrene (EPS)		Expanded Polypropylene (EPP)	
<b>Housing</b>	Sheet metal, powder coated white or black					
<b>Ducting (mm)</b>	160	200	160	200	125	200
<b>Condensate drain</b>	HRV: 15 mm x 3 meters hose, ERV: not equipped, available on request		HRV: 32 mm, water trap included ERV: not equipped, available on request			
<b>Power (VAC)</b>	1~230, EU plug					
<b>Max current (A)</b>	10	16	16	16	16	16
<b>Fan max. power (W)</b>	2 x 83	2 x 170	2 x 118	2 x 163	2 x 83	2 x 170



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<b>Preheater</b>	Integrated in standard, 0-100% controlled PTC heater					
<b>Preheater nominal power (varies depending on the outside temp.) kW</b>	1.1	1.5	1.35	1.35	1.35	2.7
<b>Max. Power without preheater kW</b>	0.17	0.35	0.25	0.34	0.17	0.35
<b>Max. Power with preheater</b>	1.9	2.2	2.2	2.2	2.1	3.6
<b>Certification</b>	EN 60335-1, EN 61000-6-3, EN 61000-6-1, Ecodesign Directive 2009/125/EC					
<b>Warranty</b>	2 years standard + 2 additional years if device registered during 6 months from production date					
<b>Dimensions (mm)</b>	300 x 606 x 1170	301 x 786 x 1200	578 x 800 x 952	578 x 800 x 952	554 x 600 x 690	589 x 1021 x 886
<b>Weight (kg)</b>	40	70	60	60	50	90
<b>Optional products</b>	Central humidifier Duct cooler / heater Controller VE1 Extension module VC-EXT					



## Features

### Control

Wall or magnet mounted controller VE1 (optional), -AQ variant available with built in CO2 sensor. Black or white.

iOS or Android mobile application (requires ethernet connectivity)

### Network connectivity

Wired: LAN

Wireless: Wi-Fi

### Home automation

Modbus RTU / TCP

### Constant flow

No

Coming 2024 Q4 / 2025 Q1 (except S1/S2 model)

### Temperature and humidity sensors

Built in, 4, in each duct channel

### CO2 sensor

Built in to extract air channel, in automatic mode controls airflow

### VOC sensor

Built in to extract air channel; can be enabled in automatic mode to control airflow

### PM sensor

Built in to extract air channel, before filter; can be enabled in automatic mode to control airflow

### Automatic mode functions

- ✓ Occupancy Sensing & Energy-Saving Mode: Airobot automatically activates energy-saving mode by detecting room occupancy using multiple sensors.
- ✓ Integrated Frost Protection: Preheater with 1.35 kW nominal power, PTC adjustable from 0-100%.
- ✓ Humidity Detection: Increases ventilation speed when a sudden humidity rise is detected.
- ✓ Automatic Summer Bypass.



✓ Autonomous Control Based On Air Quality Sensors: Smart motor management ensures optimal air quality and energy efficiency.

✓ Overpressure Mode: Temporarily pressurizes indoor air; can be automated to respond to triggers like stove hoods.

✓ Boost Mode: Quickly ventilates spaces by switching to maximum speed temporarily

**External inputs**

Fire alarm: signal from automatic fire detection system stops ventilation

Overpressure: pressure switch or wall switch to activate overpressure