D150 COMPACT

Description



Vasco D150 Compact ventilation units are ventilation units with heat recovery, suitable for permanent, continuous mechanical ventilation.

General characteristics

- Compact ventilation unit suitable for wall and ceiling mounting
- Painted metal casing with airtight internal EPP construction (expanded polypropylene)
- Air duct connections at the top and bottom and on both sides

Ventilation & control

- DC centrifugal fans with forward-curved blades
- Automatic, pressure-independent speed control for a constant air flow rate (pressure-controlled fans)
- Internal moisture sensor for automatic flow control
- Free-cooling → manual bypass by activating the “air supply only” setting

Heat exchanger

- High-efficiency plastic heat exchanger

Control & communication

- Integrated control panel on the unit
- Modbus interface, controlled by, for example, a building management system

Filters

- ISO16890 ePM1 55% (= F7 according to EN 779) for supply air
- ISO16890 ePM10 50% (= M5 according to EN 779) for extract air

Accessories

- Condensate drain hose included

Optional extensions

- Electric preheating element:
  - Ohmic resistance
  - Power rating: 600 W
  - Duct fitting, Ø125 mm
- T-EP remote control
  - Wired control
  - User and installer menu
  - Weekly programme
  - Filter replacement alert
  - 4 adjustable (%) fan speeds



T-EP remote control

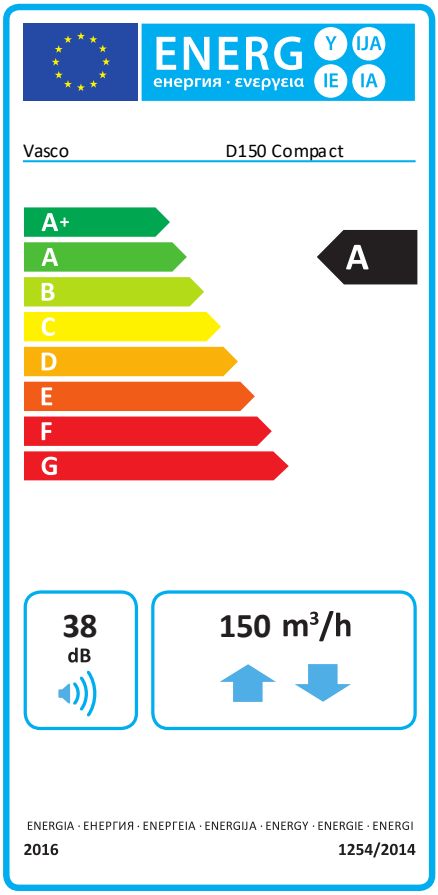


Electric preheating element

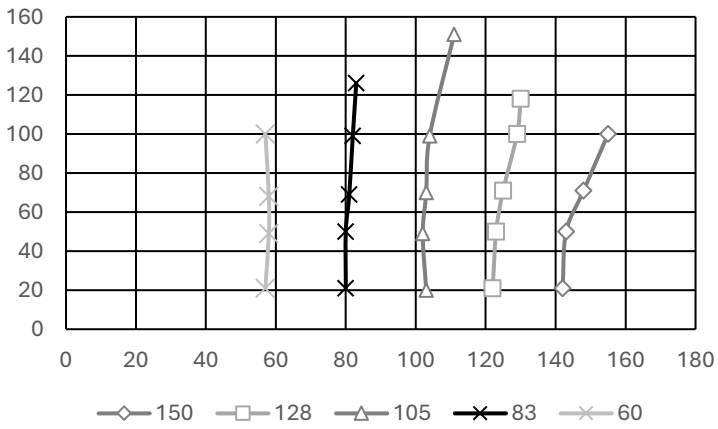
D150 COMPACT

Technical data

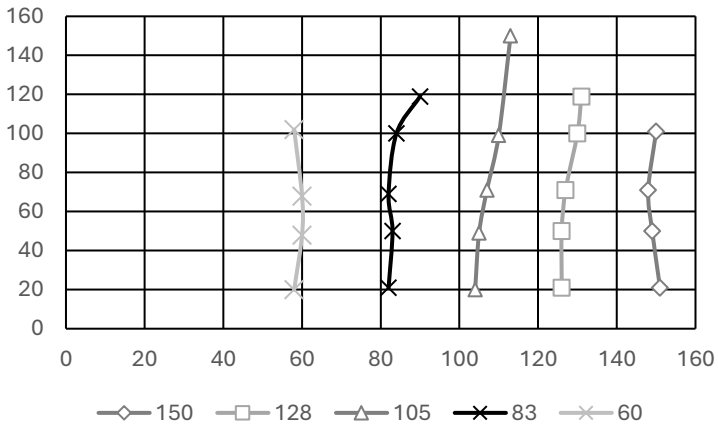
	D150 Compact
Dimensions (H x W x D)	975 x 602 x 191 mm
Dimensions including packaging (H x W x D)	1633 x 773 x 226 mm
Weight	23 kg
Weight including packaging	25 kg
Supply voltage	230 V AC
Maximum air flow rate	150 m³/h
Maximum pressure drop at Q_{max}	100 Pa
Thermal efficiency in accordance with EN 13141-7:2021	88.0%
Thermal efficiency according to EN308 Annex G	80% at 105 m³/h
	78% at 134 m³/h
	77% at 150 m³/h
Power consumption	2x 33 W
Energy label	A
Sound level unit emission (70 % Q_{max} @ 50 Pa)	38.5 dB(A)
Sound level supply duct (70 % Q_{max} @ 50 Pa)	53.6 dB(A)
Sound level extract duct (70 % Q_{max} @ 50 Pa)	50.1 dB(A)



Characteristic curve - SUPPLY



Characteristic curve - EXTRACT



D150 COMPACT

Sound data

Sound power: housing

	91 m³/h @ 50 Pa	105 m³/h @ 50 Pa
125 Hz	44.2	45.00
250 Hz	37.6	41.00
500 Hz	36.8	37.80
1000 Hz	30.6	33.90
2000 Hz	24.1	21.70
4000 Hz	12.4	13.00
8000 Hz	0.7	5.80
	36.8	38.50

Sound power: supply air from outside

	91 m³/h @ 50 Pa	105 m³/h @ 50 Pa
125 Hz	50.50	50.70
250 Hz	44.80	46.00
500 Hz	40.30	43.40
1000 Hz	39.30	42.90
2000 Hz	26.90	29.00
4000 Hz	10.10	9.80
8000 Hz	2.00	2.50
	43.30	45.80

Sound power: supply air to home

	91 m³/h @ 50 Pa	105 m³/h @ 50 Pa
125 Hz	62.80	60.50
250 Hz	48.80	49.90
500 Hz	44.30	48.60
1000 Hz	49.90	51.10
2000 Hz	41.30	43.60
4000 Hz	32.20	34.50
8000 Hz	21.70	24.80
	52.10	53.60

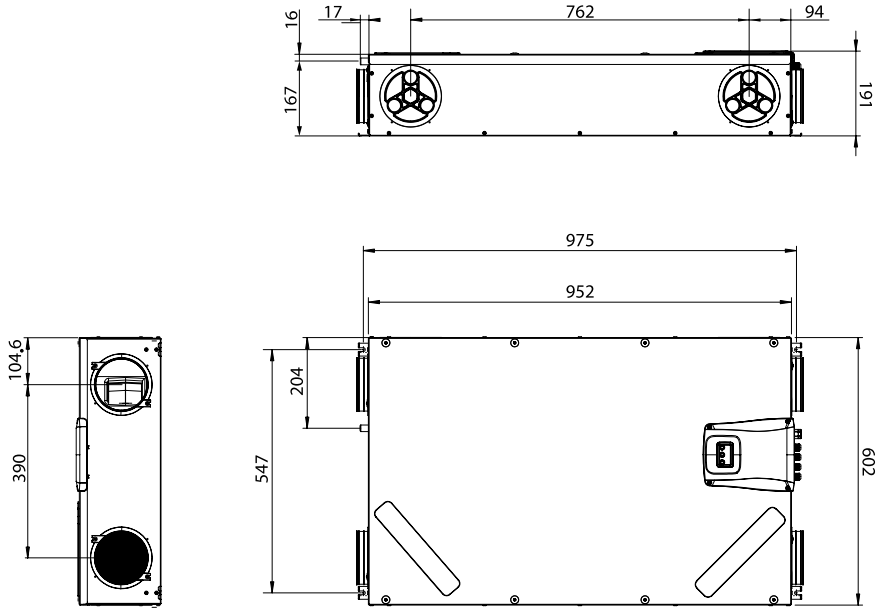
Sound power: exhaust air from home

	91 m³/h @ 50 Pa	105 m³/h @ 50 Pa
125 Hz	58.00	56.90
250 Hz	52.10	51.00
500 Hz	45.30	47.90
1000 Hz	42.90	46.60
2000 Hz	26.50	28.80
4000 Hz	21.60	22.50
8000 Hz	3.10	7.80
	47.90	50.10

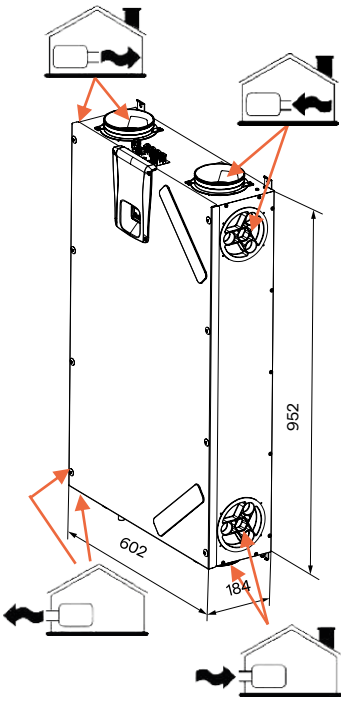
Sound power: exhaust air to the outside

	91 m³/h @ 50 Pa	105 m³/h @ 50 Pa
125 Hz	58.00	53.80
250 Hz	46.60	48.50
500 Hz	36.50	45.00
1000 Hz	32.90	36.90
2000 Hz	19.90	28.40
4000 Hz	11.90	12.80
8000 Hz	0.40	4.30
	43.50	45.10

Dimension drawings and connections



Standard configuration



Dimensions in millimetres.