

## Ventilation unit for demand-driven mechanical extraction

Healthbox GO is a central mechanical extraction ventilation concept. Fresh air is supplied to dry rooms via window ventilation, and polluted air is mechanically extracted by the Healthbox GO from wet rooms.

### Scope of application

- Integrate demand-driven ventilation in a house/apartment/...
- Highly suitable for renovation
- Included in EPB database
- Optimal operation of this C+ ventilation system is only guaranteed when the following components are present and aligned :
  - Supply of fresh air via self-regulating Renson window ventilators (class P3 or P4) in dry rooms
  - Air duct
  - Extraction of polluted air via Healthbox GO
  - Renson wall or roof duct

### Product features

#### General

- Robust, reliable operation
- Simple
- Very compact format: can be easily integrated into a technical room, attic, or false ceiling/wall
- Easy maintenance of fan unit thanks to removable cover plate & motor plate
- The device is technically equipped for fault detection both locally and remotely

#### Demand-driven ventilation thanks to central sensors in the unit

The sensors monitor the air quality 24/7 and ensure that the unit adjusts the ventilation level accordingly, so the home and its occupants are sufficiently protected.

Moreover, you won't ventilate too much, so it's energy efficient.

Detection centrally in the airflow:

- Relative humidity
- CO<sub>2</sub>
- VOC (sudden odours)

### Control

#### Intuitive Interaction with Healthbox® GO via the App

- Possibility to read air quality in the home monitored via the 3 sensors in the mixed air
- Possibility to personalise and (temporarily) manually adjust the ventilation extraction rate

#### Intuitive control via multi-position switch

- Potential-free 3-position switch (XVK3) for manual adjustment of the ventilation extraction rate.

## References

Item code	Designation	Main components
32732	Kit Healthbox GO	<ul style="list-style-type: none"> <li>• Fan unit Healthbox GO</li> <li>• 6x cover cap Ø125m</li> </ul>
32753	Kit Healthbox GO with valves	<ul style="list-style-type: none"> <li>• Fan unit Healthbox GO</li> <li>• 3x adapter ring Ø125mm</li> <li>• 6x cover cap Ø125m</li> <li>• 3x Aeroo white valve</li> </ul>

## Technical specifications

Type of ventilation	Mechanical demand-driven extraction
Ventilation flow rate	Total flow rate of 430 m <sup>3</sup> /h at maximum pressure of 200 Pa
Connection voltage	230 Vac ±10% (50 Hz, 60 Hz)
Power consumption of the fan unit - At max. flow rate of 150 m <sup>3</sup> /h: - At max. flow rate of 225 m <sup>3</sup> /h: - At max. flow rate of 325 m <sup>3</sup> /h: - At max. flow rate of 400 m <sup>3</sup> /h: - At max. flow rate of 475 m <sup>3</sup> /h:	28 Watt 35 Watt 53 Watt 80 Watt 85 Watt Power curves: see section 'Graphs'
Dimensions	390 × 390 × 220 mm (L x W x H)
Weight: - Fan unit without control valves	3992 g
Ø connection per supply duct	Ø 125 mm
Ø connection for extraction duct	Exhaust point Ø125 mm (adapter to Ø150 mm)
Fan	Extremely quiet & energy-efficient EC motor - Thermally insulated - 0-10 V controlled
Sound power level (LWA) (Ecodesign-compliant reference point)	Qmax 150m <sup>3</sup> /h: 32 dB(A) Qmax 225m <sup>3</sup> /h: 34 dB(A) Qmax 325m <sup>3</sup> /h: 39 dB(A) Qmax 400m <sup>3</sup> /h: 43 dB(A) Qmax 475m <sup>3</sup> /h: 47dB(A)
Material use	Recyclable UPVC housing (polypropylene)
Breeze function	Temporary nominal ventilation (= deactivation of demand control) at times when there is a certain cooling need (⇒ optimal reduction factors)

## Installation

### Installation

Room	Indoor installation, preferably in an insulated space. Temperature limits from -10 °C to +50 °C. Relative humidity < 90%
Installation options	- Can be installed in any of the following ways: upright, flat (top/bottom), inclined - Wall-mounting, ceiling-mounting, floor-mounting
Direction of vent	Can be placed in any direction ⇒ less pressure loss
Vent in central extraction duct of a high-rise building	If (auxiliary) roof fan applies: constant pressure control
Accessibility	Keep easily accessible for maintenance and service; e.g., inspection hatch provided in false ceiling

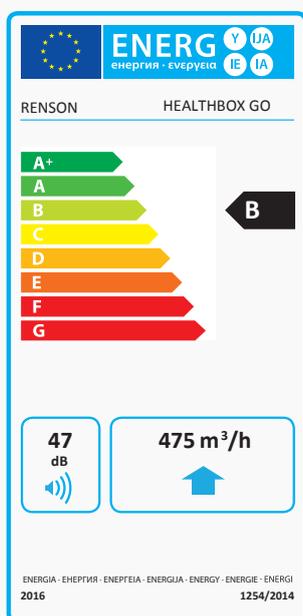
## Products to combine

Extraction valves	Design adjustable extraction valve (built-in or recessed) and Aeroo valves
Easyflex air ducts	Air transport ducts, best airtightness class D
Acoudec	Air flexible duct with high acoustic damping properties
Roof duct / wall duct	Suitable outlets with limited pressure loss. For wind-loaded wall outlet, combine with a non-return valve.

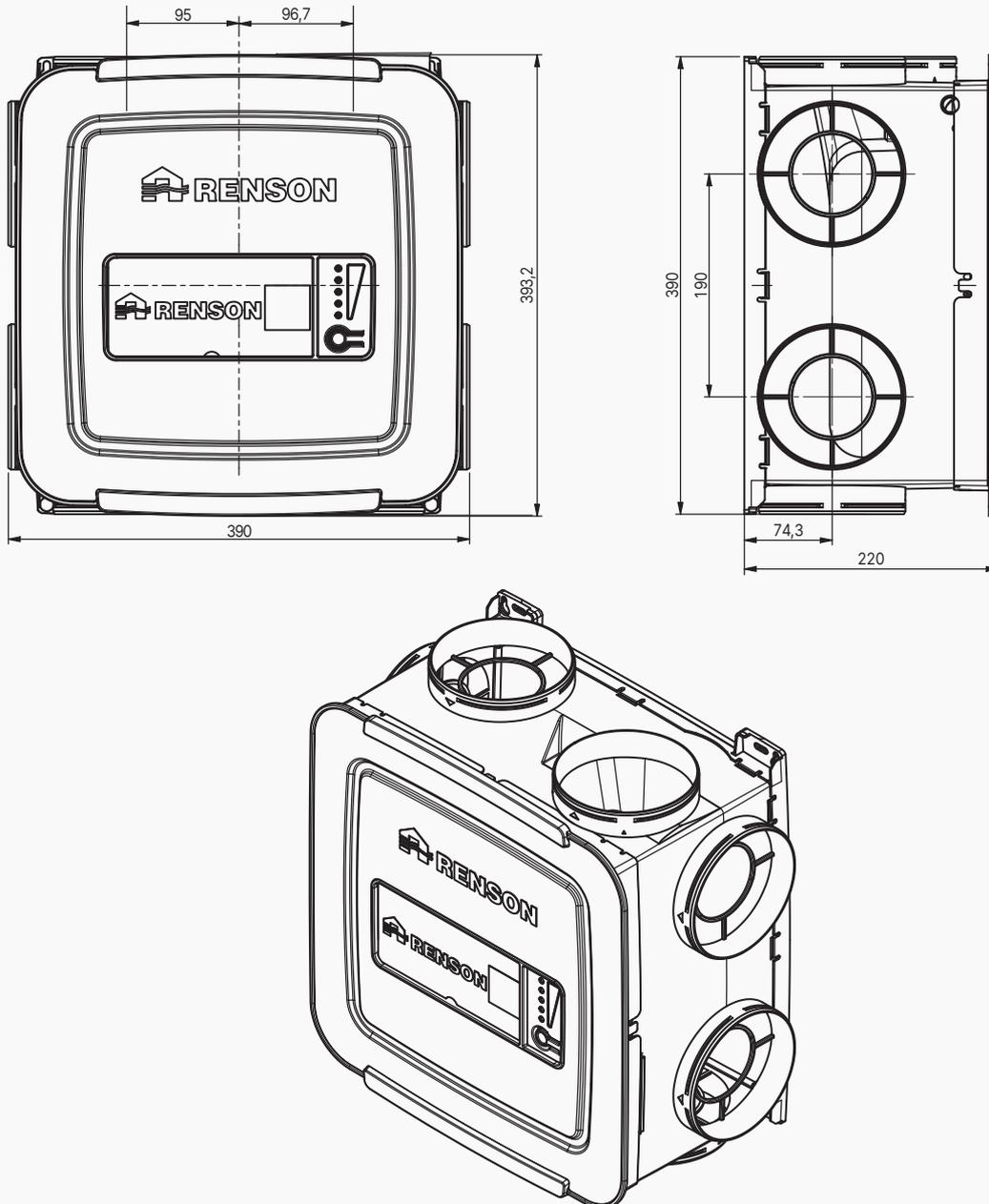
Visit our website [www.renson.eu](http://www.renson.eu) (products → mechanical ventilation) for more information.



## Ecolabel

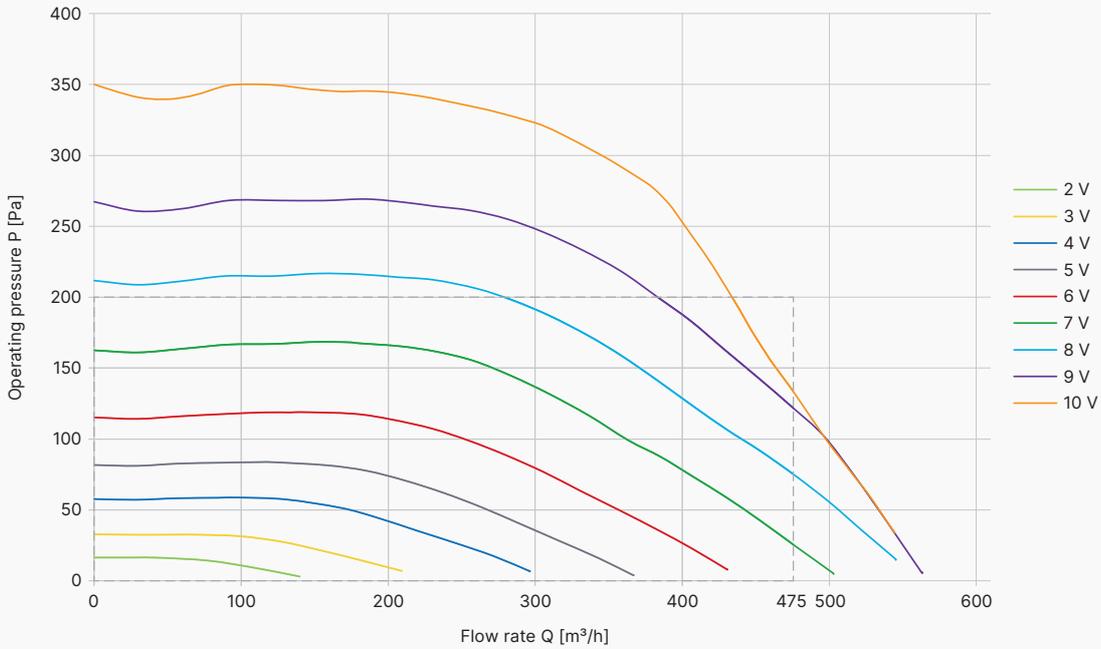


	
150 m <sup>3</sup> /h	32 dB
225 m <sup>3</sup> /h	34 dB
325 m <sup>3</sup> /h	39 dB
400 m <sup>3</sup> /h	43 dB
475 m <sup>3</sup> /h	47 dB

**Technical drawings**

## Graphs

Ventilation characteristics of fan unit



Power curves fan

