



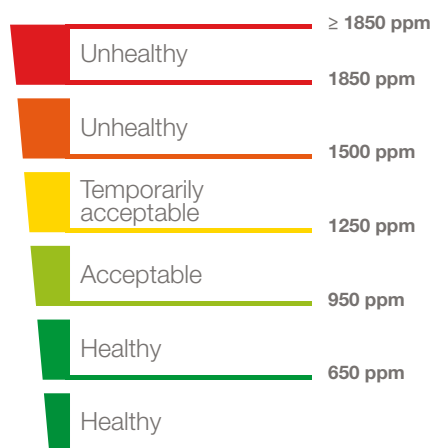
WHY VENTILATE?

Contrary to what many people think, the inside air quality is on average 10 times worse than the outdoor air quality. Cooking, showering, heating, cleaning and even breathing and sweating ensure polluted air. Too much moisture inside also leads to odours, condensation and mould, especially in well insulated or insufficiently ventilated houses. And then there is the house itself, that, with volatile organic compounds [such as formaldehyde] in the building materials used, also has a bad effect on indoor air quality.

GOOD FOR THE OCCUPANT AND THE HOME

Many people are convinced that occasionally opening the windows is enough to provide the necessary ventilation. However, the effect achieved is temporary and local. Moreover, ventilation through open windows is not controlled, resulting in costly energy loss. Open windows are also accompanied by noise nuisance and are an invitation to burglars and annoying insects.

Continuous and controlled ventilation is your only guarantee of a healthy indoor climate. The polluted inside air is discharged and continuously replaced by fresh outside air. The house will, as a result, be 'rinsed' with fresh air.



In the long run, a poor indoor climate can damage the residents' health. Respiratory problems, dry throat, eye irritation, headache, allergies, concentration loss, energy shortage or drowsiness are just some of the possible consequences. That is why it is extremely important to maintain thorough ventilation on a regular basis.

CO₂ MONITOR

The CO₂ concentration is an important indicator for good indoor air quality and can be measured with the Renson® CO₂-monitor. The air quality becomes expressed in CO₂ particles per million air particles. [ppm = parts per million].

The maximum assumed value is 1200 ppm CO₂. Above this value, people may suffer headache, drowsiness, fatigue or irritation of the mucous membranes at a CO₂ concentrations above 1000 ppm the concentration ability decreases.





SYSTEM Cbase

Cbase: not demand-controlled, central extraction of polluted air

The Renson® C system uses a combination of self-regulating Invisivent window ventilations and a discharge fan to create a pleasant and healthy indoor climate.



- Fresh outdoor air supply
- Drainage of polluted indoor air
- Fresh outdoor air for nightcooling
- Outdoor sun protection



Cbase

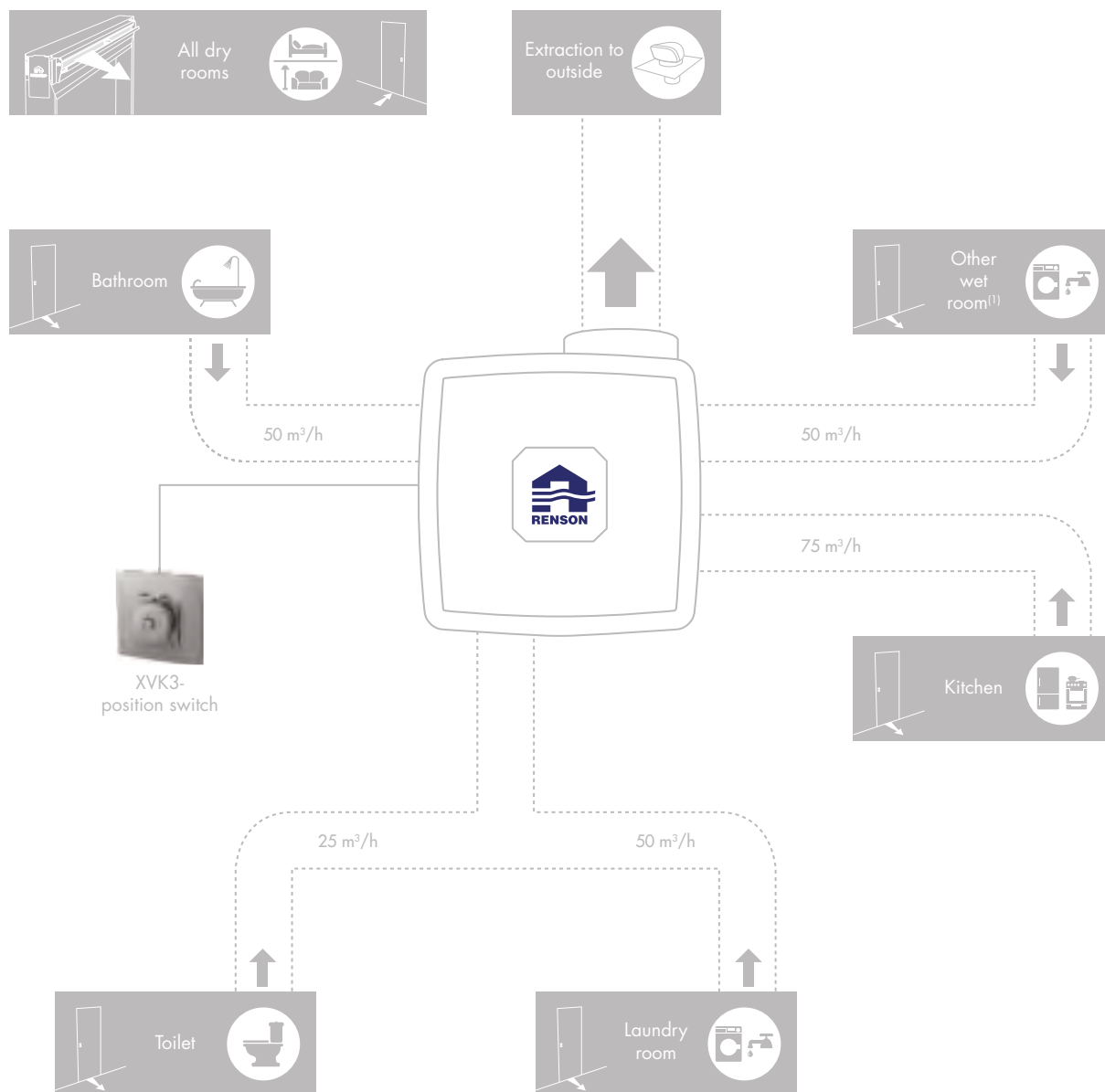
Central extraction of polluted air
from the home.

Technical data sheet page 87



SYSTEM Cbase

Cbase: not demand-controlled, central extraction of polluted air



The air flows displayed are only indicative. Minimum air flow to be determined in accordance with EPB decision.
⁽¹⁾ Laundry room, drying room or analogue room

Shading factors	
$f_{\text{reduc,vent,heat}}$	= 1,00
$f_{\text{reduc,vent,cool}}$	= 1,00
$f_{\text{reduc,vent,overheat}}$	= 1,00



SYSTEM Cube

Cube®: Demand-controlled, central extraction of polluted air

Renson® C+ systems use a combination of self-regulating Invisivent window ventilations and demand-controlled discharge ventilation [using **room sensors**] to create a pleasant and healthy indoor climate.



- Fresh outdoor air supply
- Drainage of polluted indoor air
- Fresh outdoor air for nightcooling
- Outdoor sun protection



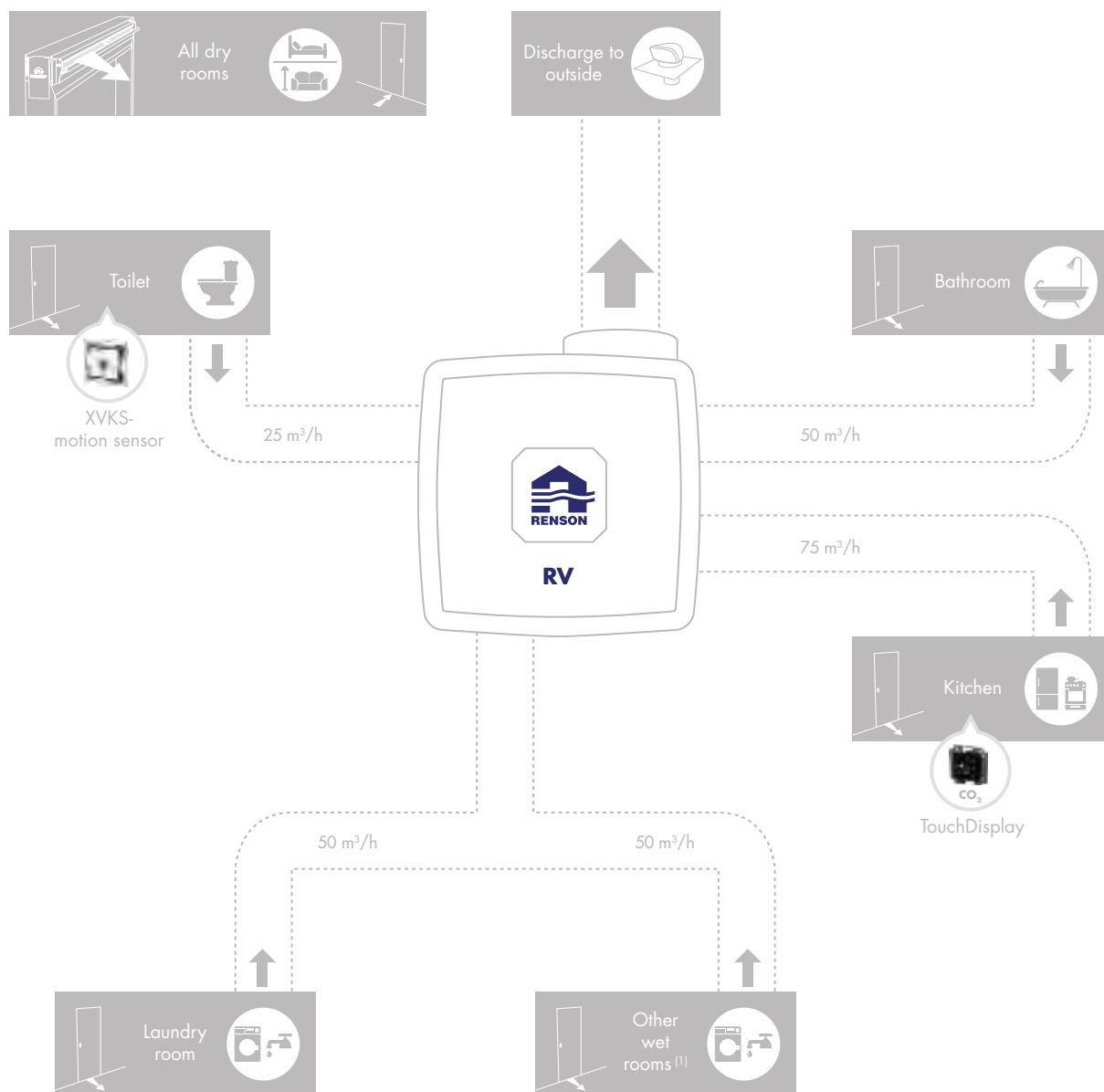
Cube®

Demand-controlled, **central**
extraction of polluted air from the
home.



SYSTEM Cube

Cube®: Demand-controlled, central extraction of polluted air



RV = Relative humidity detection (central in the unit) CO₂ = Carbon dioxide detection
The air flows displayed are only indicative. Minimum air flow to be determined in accordance with EPB decision.
¹) Laundry room, drying room or analogue room

Shading factors	
$f_{\text{reduc,vent,heat}}$	= 1,00
$f_{\text{reduc,vent,cool}}$	= 1,00
$f_{\text{reduc,vent,overheat}}$	= 1,00

Building application from
2015 onwards



Basis package Cbase

Kit

1 x motor unit EX330CB
4 x cover cap and/or Red Ø125 > Ø80
2 x cover cap Ø125
1 x adaptor 125-150 mm (exhaust)
1 x power cord

66034200

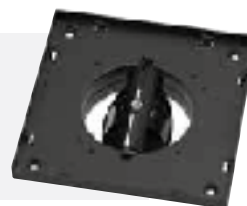


Modular grill frame

Ø80
Ø125

1 x grill frame
1 x plaster cardboard

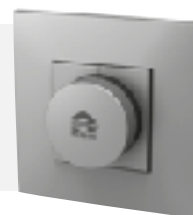
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Position switch

XVK3 position switch

66014049



Cover plate

Cover plate Puro Ø80
Cover plate Puro Ø125

66031630
66031631

Cover plate Square Ø80
Cover plate Square Ø125

66031632
66031633

Cover plate Diagonal Ø80
Cover plate Diagonal Ø125

66031634
66031635

Cover plate Aqua Ø80
Cover plate Aqua Ø125

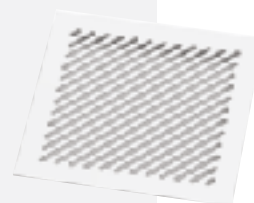
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Cover plate Artist Ø80
Cover plate Artist Ø125

66031638
66031639

Cover plate Deco Ø80
Cover plate Deco Ø125

66031642
66031643



Design valves

SQair extraction valve (Deluxe)
SQair extraction valve (Basic)

76050401
76050404





Basic package Cube®

Kit

66034300

1 x motor unit EX425CU
1 x XVKS motion sensor
1 x TouchDisplay with CO₂ sensor



Modular grill frame

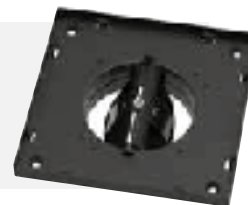
Ø80

66031624

Ø125

66031625

1 x grill frame
1 x plaster cardboard



TouchDisplay

With integrated CO₂ sensor
Sensorless control

66032202

66032203

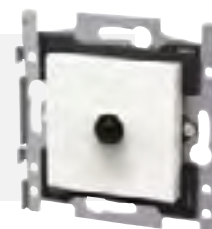


Motion sensor

XVKS

66031720

1 x XVKS-sensor white
Compatible with Cube
Cover plate not included



Cover plate

Cover plate Puro Ø80

66031630

Cover plate Puro Ø125

66031631

Cover plate Square Ø80

66031632

Cover plate Square Ø125

66031633

Cover plate Diagonal Ø80

66031634

Cover plate Diagonal Ø125

66031635

Cover plate Aqua Ø80

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Cover plate Aqua Ø125

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Cover plate Artist Ø80

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Cover plate Artist Ø125

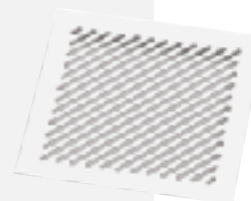
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Cover plate Deco Ø80

66031642

Cover plate Deco Ø125

66031643



Design valves

SQair extraction valve [Deluxe]

76050401

SQair extraction valve [Basic]

76050404





TECHNICAL DATA SHEET:

Cbase

PRODUCT SPECIFICATIONS

- 0-10V silent, vibration-free EC motor
- Variable airflow and pressure level according to the chosen voltage [0-10V], maximum airflow of 262 m³/h at 100Pa
- Continuous adjustment
- 3 stage switch (sold separately)
- Possibility to connect up to 6 wet rooms thanks to 6 extraction inlets on the ventilation unit (branching ducts is possible)
- Standardly 4 inlet points are equipped with adjustable air canal joints Ø125 en Ø80 / 2 inlets are closed off with a stop
- Extraction Ø125 mm (with adaptor to Ø150 mm)
- Recyclable plastic housing (polypropylene)
- Compact: easy to integrate in a technical room, attic or suspended ceiling
- Mounted horizontally or vertically by means of 4 screws
- Easy maintenance of the ventilation unit thanks to the removable cover
- Whisper quiet motor

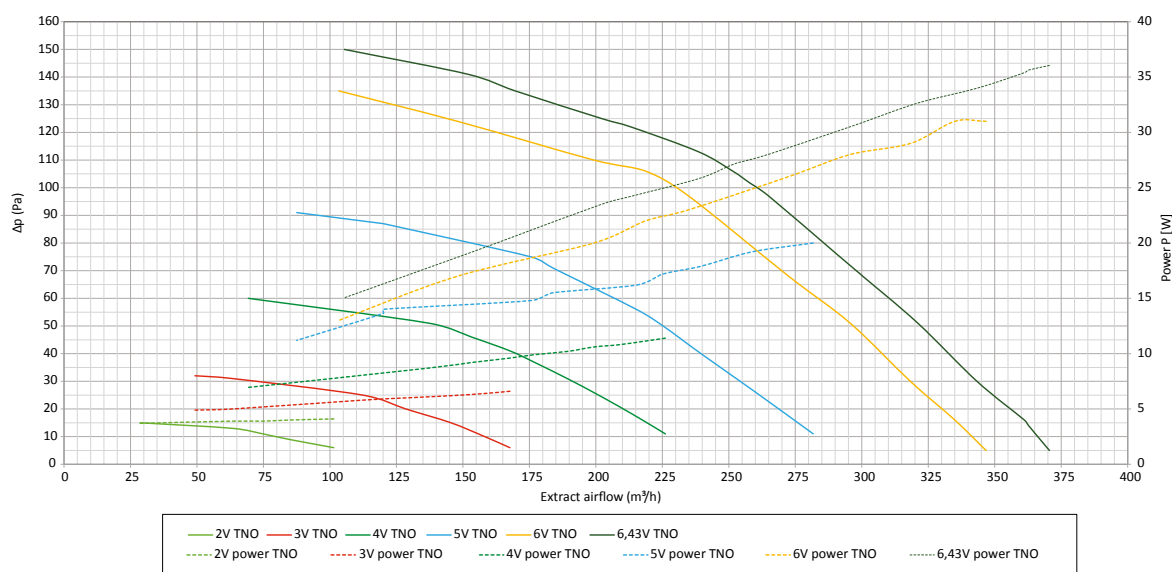


45 dB(A) 262 m³/h

TECHNICAL SPECIFICATIONS

- Dimensions: 320 x 320 x 180 mm [LxWxH]
- Weight: 3,370 Kg
- Voltage: 1 x 230V/50Hz
- Average power consumption: depends on the chosen ventilation stage
- Maximum power consumption: 28 W

FAN CURVES





TECHNICAL DATA SHEET:

Cube®

PRODUCT CHARACTERISTICS

- EC DC motor: total flow rate, 350 m³/h at 190 Pa maximum pressure
 - Thermally protected
 - 0-10 V controlled
- Demand-controlled ventilation with settings based on:
 - Relative humidity [central humidity sensor in the unit]
 - Presence [wired presence sensors in toilet / bathroom + toilet]
 - NIKO® base with claw fixing
 - Cover plate not included
 - Central core compatible with BTicino
 - Min.: 2 x 0.34 mm² / Max.: 2 x 0.8 mm² [30 m max. length]
 - No external power supply required
 - CO₂ in the kitchen [sensor integrated in the control]
 - Air quality indication on the control [green – orange – red]
 - 230 V power supply
- Control via TouchDisplay
 - RF communication
 - 230 V power supply
- Capability for connecting 6 wet rooms thanks to 6 extraction points
- 6 extraction points as standard, equipped with 125 and 80 mm diameter adapter fittings
- 125 mm diameter exhaust point [adapter to 150 mm dia.]
- Recyclable plastic housing [polypropylene]
- Compact format: easy to incorporate in technical room, attic or false ceiling/wall
- Horizontal or vertical fitting using 4 screws
- Removable cover plate and motor plate make for simple maintenance of the fan unit
- Whisper-quiet motor



B

48 dB(A)

350 m³/h

TECHNICAL SPECIFICATIONS

- Dimensions: 320 x 320 x 180 mm
[L x W x H]
- Weight: 3.350 Kg
- Supply voltage: 1 x 230 V / 50 Hz
- Maximum consumption: 86 W

FAN CURVES

