***Flux Go 275 Flat*** is a central, demand-driven ventilation unit with heat recovery for the controlled extraction and supply of air in residential applications. The central demand control adjusts the airflow rate automatically via continuous measurements of the moisture of the exhausted indoor air. The maximum nominal volume is 275 m³/h per unit, guaranteed up to 200 Pa back pressure.

Optimal operation of the energy-saving ventilation system D+ is guaranteed when the following coordinated components are present:

Supply and extraction:

Flux Go Flat unit : Motor unit with central fan

Ventilation ducts : Easyflex – best airtightness class: D – material: PE

Valves : Renson® Aeroo

Supply : Renson® roof/wall terminal with pressure loss <20 Pa at the nominal flow rate

Extraction : Renson® roof/wall terminal with pressure loss <20 Pa at the nominal flow rate

Transfer:

25m³/h at 2Pa - 50m³/h at 2Pa (to kitchen)

SPECIFICATIONS & EPB – VALUES

Product Flux Go 275 Flat

Maximum airflow rate 275m³/h @ 200Pa

Max. power Pelec,fan   2x 53W

Performance ht,epb              ≤75m³/h 🡪 91%

*(conform EN13141-7)* ≤175m³/h 🡪 87%

≤225m³/h 🡪 85%

≤275m³/h 🡪 83%

Sound level 46.0 dB(A) (cabinet appearance: 70% Qvmax/50 Pa)

Control strategy                 Speed control and variable pressure

Speed control type    DC motor with commutation control

Automatic control Yes

Summer bypass Yes, full  
Demand control bypass Yes (Breeze function)

Demand control reduction factors

freduc,vent,heat: 1,00

freduc,vent,cool:          1,00

freduc,vent,overheat:      1,00

Optional: local CO2 control based on ***wireless*** RF room sensors, applicable in 3

different configurations. The reduction factor improves freduc,vent,heat

correspondingly:

* Config 0.87: 0,87
* Config 0.70: 0,70
* Config 0.61: 0,61

DEMAND-DRIVEN & CONNECTED

Automatic & standard central demand-driven control and extraction

The electronic humidity sensor measures the humidity in the exhaust airflow 24/7. The sensor is placed on the connection print via a plug & play connector to facilitate maintenance/replacement. The changing of airflow rate depends on the centrally measured humidity:

* + Dynamic & absolute humidity detection: dynamic and proportional control taking the relative and absolute humidity into account

**Connected as standard**

* Connection via Ethernet (RJ45 connector) for a wired internet connection
* Wi-Fi dongle included for a wireless Wi-Fi connection to a router
* Manual software updates over the network

**Digital communication**

Communication with the resident user via the Renson Ventilation App:

* + - Insight into the air quality and ventilation level in the home, shown with a clear colour representation
    - Control: option for (temporary) manual adjustment of the ventilation flow rate and setting up of ventilation profiles – inside ánd outside the local network
    - Push notifications on smartphone for error & filter notification

Communication with the installer:

* + - The installation web page (accessible via smartphone, tablet or PC) supports the installer throughout the installation process, providing details about the calibration as well as access to the service web page

**External input/output**

Communication with Smart Home/home automation/building management system via:

* 3x digital inputs & outputs for ventilation position control or feedback of general error messages and filter messages

COMPACT & FLEXIBLE

Installation:

* + Ceiling
  + Vertical wall mounting

**Dimensions:**  L1188 x B745 x H300 mm

Weight: 25 kg

Includes Quick-Fix bracket for ceiling mounting

* + Installation by one person
  + Service stand for ergonomic interventions

Includes brackets for wall mounting

Versatile placement options: connection above and below the appliance with double connection options per connection point via internal plenum

Standard left version, can be converted to right-hand version with software

Connections D160 mm in polypropylene UPVC:

* + - EPP channels: outer diameter 190 mm, inner diameter 160 mm
    - Ducts with an inner diameter of 160 mm can be coupled directly to the ventilation system

PERFORMANCE

Integrated UPVC cross-flow heat exchanger

Automatic constant flow control:

* + 2 motors D180 mm in galvanised steel with connection voltage 1 x 230 V/50-60 Hz
  + Fan control: active constant flow control

Automatic modulating full *bypass*

Breeze function:

* + Temporary nominal ventilation (= deactivation of demand control) at times when there is a certain cooling requirement

Automatic frost protection

* Temporary imbalance and flow limitation to prevent freezing of the heat exchanger

Fitted as standard with 2 x ISO Coarse 65% (G4) filters, ISO ePM1 ≥ 55% (F7) optional (according to ISO16890)

Integrated condensation drain with male 5/4” connection

Appliance airtightness class: internal class A1, external class A1 (according to EN13141-7)

ACCESSORIES

**Room sensors**: possibility of local CO2 control using ***wireless*** RF room sensors

* Recessed installation in wall pot, including 230 V inverter
* Including basic operation of the ventilation unit & filter message

Reduction factor configurations:

**Config 0.87** CO2 – semi-local: one or more sensors in the main living room and one or more sensors in the main bedroom

**Config 0.70** CO2 – semi-local: one or more sensors in each bedroom

**Config 0.61** CO2 – local: one or more sensors in each dry room)

**Control:** via potential-free (wired) 3-position switch (XVK3)