

**New**

# **Renovent Sky, the space-saving ventilation system**



**BRINK**

**Climate Systems**



# Low noise, low energy consumption and high comfort

*With the Renovent HR and the Renovent Excellent, Brink Climate Systems offers an extensive range of wall-mounted heat recovery appliances. In response to clients' demands, Brink Climate Systems introduces a ceiling-mounted, high-efficiency appliance, the Renovent Sky. Designed on the basis of Renovent Excellent technology, this appliance is a real trendsetter in the field of low auxiliary energy consumption, low noise production and in mounting possibilities.*

## **A LEAP FORWARD**

A healthy indoor air climate, exceptional comfort without draughts and minimum energy loss are the major advantages of ventilation with heat recovery. Brink Climate Systems also listened closely to the wishes of users and professional market parties. The sound level and auxiliary energy consumption have been reduced further.

## **SILENT**

Partly as a result of the use of slow-running fans, Brink Climate Systems succeeded in further reducing the sound level. Reduction of the internal appliance resistance and introduction of a larger heat exchanger contribute further to the noiseless operation of the Renovent Sky.

## **LOWER AUXILIARY ENERGY CONSUMPTION**

Additional advantage of the measures to reduce the noise level is that they also reduce the auxiliary energy consumption. With the Renovent Sky, Brink Climate Systems succeeded in introducing an appliance that complies with the future European requirements of a maximum of 1,000 J/m<sup>3</sup>.

## **CONSTANT FLOW CONTROL**

The constant flow control principle guarantees the preset air flow rates independent of the resistance in the air ducts. The constant flow principle simplifies tuning and that saves installation costs. On top of that, the filter fouling degree no longer affects the flow rate of the clean outdoor air supply. A unique patented feature is that Brink Climate Systems manages to combine the constant flow principle with the ultimate low-noise and low-energy EC fans with back-bent vanes.

## **APPLICATION**

Since the Renovent Sky is mounted on the ceiling, the appliance does not take up any space in the installation room. That makes the appliance excellently suitable for installation in smaller dwellings with insufficient room for a wall-mounted appliance. Its low height of only 310 mm allows easy installation on top of a suspended ceiling. The supplied brackets make the appliance also highly suitable for mounting on a wall. In addition to residential buildings, this appliance can also be used in small utility buildings.



# Low energy comfort



### Digital clock control

The digital clock control with time switch function comes as standard.

### FROST PROTECTION

A frost protection system prevents the heat exchanger from freezing when it is very cold outside. In the Renovent Sky this is an intelligent frost protection system on the basis of temperature and pressure. An optional external preheater can guarantee the high efficiency also during the winter period.

### CONTROL OPTIONS

The Renovent Sky can be programmed with the digital clock control. The built-in time switch function can be used to set the ventilation intensity per day/week/weekend. Additionally, one or more 4-way switches or wireless RF controls may be installed.

### STANDARD BYPASS

The Renovent Sky comes as standard with a 100% bypass for use when it is warm outside and heat recovery is not desired. The bypass is controlled fully automatically on the basis of the measured indoor and outdoor temperatures.

### 'PLUS' VERSION

In addition to the comprehensive standard version, the Renovent Sky is also available as 'Plus' version. It has additional connection options for instance for a CO<sub>2</sub> or humidity

sensor for demand flow ventilation. With the demand flow option extra energy saving potential can be reached.

### Benefits:

- High ventilation capacity of 300 m<sup>3</sup>/h
- Standard digital clock control
- Further reduced auxiliary energy consumption
- Standard 100%-bypass
- Intelligent frost protection
- Communication through the E bus system
- Minimum use of space in the room
- Low noise

## TECHNICAL SPECIFICATIONS

	Renovent Sky	Renovent Sky Plus
Ventilation capacity at 150 Pa [m <sup>3</sup> /h]	Maximum 300	Maximum 300
System sound [dB(A)]	< 40 at 225 m <sup>3</sup> /h and 75 Pa	< 40 at 225 m <sup>3</sup> /h and 75 Pa
Rated power [W] without preheater	15 at 100 m <sup>3</sup> /h and 11 Pa 26 at 150 m <sup>3</sup> /h and 25 Pa 58 at 225 m <sup>3</sup> /h and 56 Pa 116 at 300 m <sup>3</sup> /h and 100 Pa	15 at 100 m <sup>3</sup> /h and 11 Pa 26 at 150 m <sup>3</sup> /h and 25 Pa 58 at 225 m <sup>3</sup> /h and 56 Pa 116 at 300 m <sup>3</sup> /h and 100 Pa
SFP (Specific Fan Power)	Approx 0.24 W/m <sup>3</sup> (at 225 m <sup>3</sup> /h and 50 Pa)	Approx 0.24 W/m <sup>3</sup> (at 225 m <sup>3</sup> /h and 50 Pa)
Dimension duct connection [mm]	4 x Ø150/160	4 x Ø150/160
L x W x H [mm]	1185 x 644 x 310	1185 x 644 x 310
Air filtering	2 x G4-filter (option: F7 filter for supply)	2 x G4-filter (option: F7 filter for supply)
Weight [kg]	± 37	± 37
Connection options (outside appliance)	E-bus, 4-way switch, wireless remote control, service connector, preheater	E-bus, 4-way switch, wireless remote control, service connector, preheater, postheater, EWT, 24 V power supply 4.5 VA, 0-10 V output, 2 inputs; programmable as 0-10V input or potential free contact
Accessories	Preheater 1000 W	Preheater 1000 W, postheater 1000 W



Climate Systems



Climate OK is an initiative by Brink Climate Systems together with partners to offer a healthy, energy-efficient and comfortable indoor climate.

Realisation of a Climate OK indoor climate starts with the use of products for heating, ventilation, cooling and hot water that meet the highest quality requirements. The final result can only be achieved and remain Climate OK when businesses and institutions, designers and installers, and of course also end users are aware of what a Climate OK indoor climate is and what they should and should not do to achieve it. In this respect Brink Climate Systems acts as knowledge institute, intermediary and booster.



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Brink Climate Systems is certified under ISO 9001 and ISO 14001.