Technical Sheet

Renovent Sky 300 (Plus)





Application

The Brink Renovent Sky 300 is a ventilation unit with heat recovery with an efficiency of 95%, a maximum ventilation capacity of 300 m³/h and low-energy fans.

Features Renovent Sky:

- steplessly adjustable air flow rates through a control unit (supplied with appliance).
- filter indication on the control unit / multiple switch.
- a completely new intelligent frost protection system which ensures that also at low outdoor temperatures the appliance's performance remains optimal and that, if necessary, it activates the optional preheater.
- · low sound level
- · comes as standard with automatic bypass valve
- · constant flow control
- · low energy consumption
- · high efficiency

Renovent Sky 300 is available in two types:

- "Renovent Sky 300"
- "Renovent Sky 300 Plus"

Compared to the Renovent Sky 300, the Renovent Sky 300 Plus has a more extensive control board which increases the connection options.

These installation instruction describe both the standard Renovent Sky 300 and the Renovent Sky 300 Plus.

With the aid of the supplied mounting brackets, the Renovent Sky 300 (Plus) can be mounted either on the wall or on the ceiling. For the correct position of the connection ducts and dimensions see page 5.

When ordering an appliance always state the correct type; subsequent conversion to a different version is highly labour-intensive.

The Renovent Sky 300 comes ready to plug in with a 230 V mains plug.

The appliance comes as standard with a control unit, but connection of a simple 4-way switch is possible as well.

If a 4-way switch is installed instead of a control unit, the settings of the appliance can only be changed with a laptop!

Connecting a combination of control unit and multiple switch is another option.

Technical information

	Renovent Sky 300				
Supply voltage [V/Hz]	230/50				
Protection degree	IP30				
Dimensions (w x d x h) [mm]	1185 x 644 x 310				
Duct diameter [mm]	Ø150 / Ø160				
External diameter condensate discharge ["]		3/4			
Weight [kg]		37			
Filter class	G4				
Fan setting (factory setting) - control unit					Max.
4-way switch	55	1	2	3	
Ventilation capacity [m³/h]	50	100	150	225	300
Permissible resistance ducts system [Pa]	3 - 6	11 - 26	25 - 58	56 - 129	100 - 230
Rated power (excl. optionel preheater) [W]	8,7 - 9,1	14,9 - 16,3	25,7 - 31,7	57,8 - 77,8	116,1 - 162,9
Rated current (excl. optionel preheater) [A]	0,10	0,15 - 0,17	0,25 - 0,29	0,50 - 0,66	0,95 - 1,34
Rated power (incl. optionel preheater) [W]	6				
Cos φ	0,39	0,42	0,45 - 0,47	0,50 - 0,51	0,53

Packaging unit

Packaging	unit per pallet
3	

Warranty period

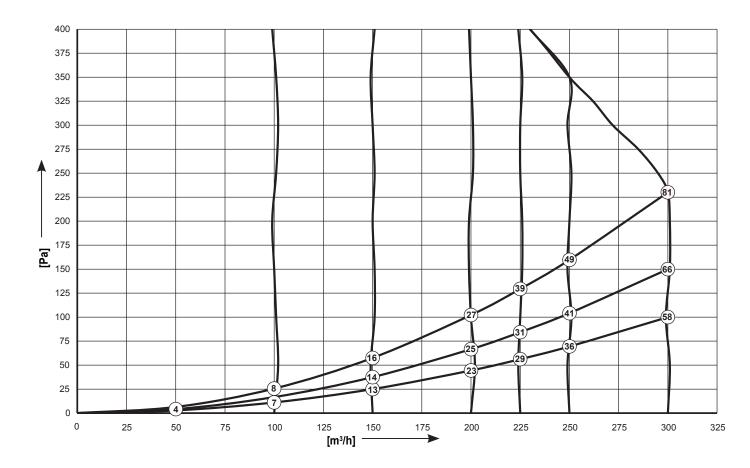
2 years on parts and 5 years on the heat exchanger.

Sound power

Sound power Sky 300										
Ventilation capacity [m³/h]		1	100		150		225		300	
Sound power	Static pressure [Pa]	17	40	38	80	84	100	160	150	178
level Lw (A)	Housing emission [dB(A)]	29	30	37	40	46	46	47	53	53
	Duct "from dwelling" [dB(A)]	32	32	41	43	49	49	50	55	55
	Duct "to dwelling" [dB(A)]	43	44	51	53	60	61	62	69	68

In practice, the value may deviate 1 dB(A) as a result of measuring tolerances.

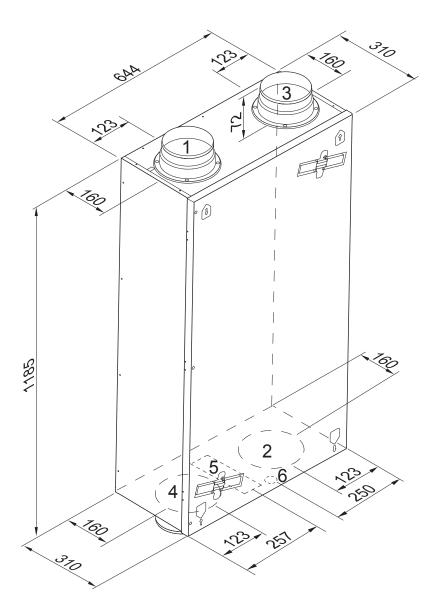
Fan graph



Fan graph Renovent Sky 300

Note: The value stated in the circle is the capacity per fan (in Watt)

Connections and dimensions Renovent Sky 300



① = To dwelling



2 = To atmosphere



3 = From dwelling

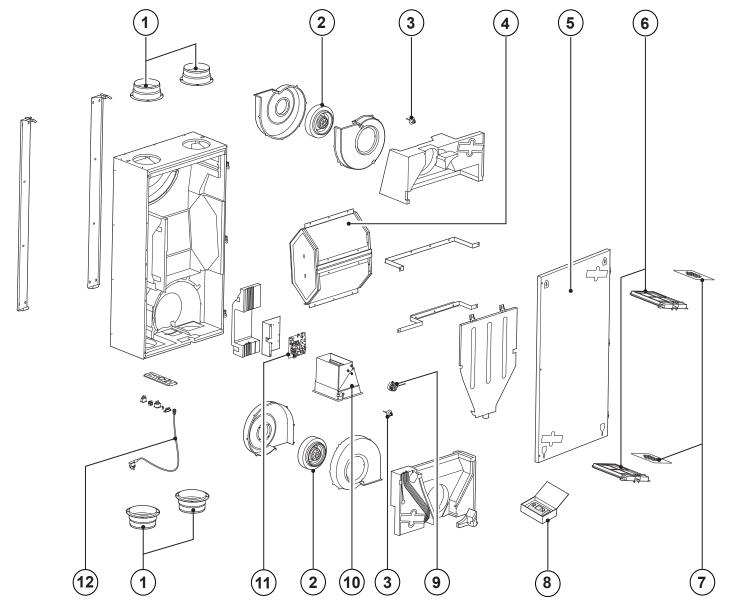


4 = From atmosphere



- ⑤ = Electric connections
- 6 = Connection condensate discharge

Service parts



		Code
1	Air duct connections (4 pcs)	532004
2	Fan (1 pcs)	532003
3	Temperature sensor (1 pcs)	531775
4	Heat exchanger	532006
5	Front cover with hinges	532007
6	Filter holder set (2 pieces)	532005
7	Filter kit 2x G4 filter (standard version)	532000
	Filter kit 1x F7 filter	532001
	Filter kit 1x G4 & 1x F7	532002

		Code
8	Control unit	510490
9	Motor bypass valve	531778
10	Bypass valve	531779
11	Control board (Plus version) When replacing, note the correct dip switch settings.	531780
12	Cable with power plug 230 volt *	531978

The mains cable has a print connector.

When replacing it, always order a replacement mains cable Brink

To avoid dangerous situations, a damaged mains should only be replaced by a qualified person!

DIBt: Renovent Sky 300



NEN 5138: Renovent Sky 300



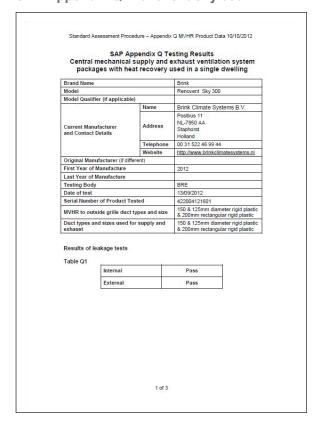
EN 308/EN 13141-7: Renovent Sky 300



Passive House Certificate: Renovent Sky 300



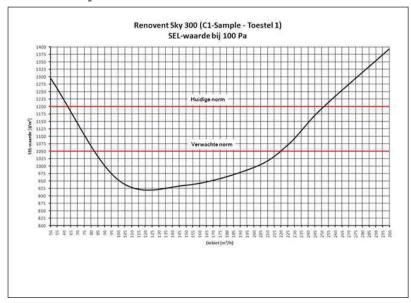
SAP-Appendix-Q: Renovent Sky 300



Declaration o f Conformity Renovent Sky 300



Renovent Sky 300 - SEL-waarde 100Pa



Modifications reserved

Brink Climate Systems B. V. continuously strives after improvement of products and reserves the right to change the specifications without prior notice.



BRINK CLIMATE SYSTEMS B.V.

P.O. Box 11 7950 AA Staphorst Tel. +31 (0) 522 46 99 44 Fax +31 (0) 522 46 94 00 info@brinkclimatesystems.nl www.brinkclimatesystems.nl