

Declaration of Conformity according to EN 13141-7:2004 / EN308

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TNO 2012 M10384A

Determination of the energetic efficiency
of the energy recovery appliance
“Renovent Sky 300”
Test report in accordance with
EN 13141-7:2004 / EN308

Date	May 2013
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Sponsor	Brink Climate Systems BV R.D. Bügelstraat 3 7951 DA Staphorst
Project number	060.01122
Keywords	heat recovery efficiency

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On behalf of Brink Climate Systems B.V., located in Staphorst, the Netherlands, the determination of the energetic efficiency was carried out by TNO Technical Sciences in Apeldoorn, the Netherlands.

Testing was performed according to:

- EN13141-7:2004 Performance testing of mechanical supply- and exhaust air ventilation units for single-family dwellings
- EN308, heat exchangers – Test procedures for establishing performance of air to air and flue gases heat recovery devices.

Key data for the tested unit:

Manufacturer:	Brink Climate Systems B.V.
Type	Renovent Sky 300
Serial number:	422004121601
Year of construction:	2012
CE approval:	Yes
Max. air flow	300 m ³ /h

Results for the energetic efficiency:

Air flow [m ³ /h]	Corrected η_{temp}	Power [W]	Voltage [V]	Current [A]	Power factor [-]
50	95.9	12.8	230.4	0.15	0.37
175	86.3	31.5	230.4	0.37	0.37
300	81.6	109.4	230.3	0.99	0.48

Date : 1 May 2013



Place : Apeldoorn
Signed :
Drs. P.M. van Hoorik
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Measurement results, leak tightness classification, fan characteristics and the functioning of the energy recovery appliance at low temperatures are given in short report TNO 2012 M10384, July 2012.