

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

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TNO-060-DTM-2013-01161

Determination of the energetic efficiency
of the energy recovery appliance
“Renovent Excellent 400”
Test report in accordance with
EN 13141-7:2004 / EN308

Date	May 2013
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Project number	060.01122
Keywords	heat recovery efficiency

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TNO-Results

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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 Excellent 400
Serial number:	420020104601
Year of construction:	2010
CE approval:	Yes
Max. air flow	400 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	93.3	9.4	229.8	0.12	0.34
225	85.2	48.7	229.8	0.42	0.51
400	81.4	153.6	229.8	1.22	0.55

Date : 1 May 2013

Place : Apeldoorn

Signed :



Drs. P.M. van Hoorik
Research Manager Energy and Comfort Systems

Measurement results, leak tightness classification, fan characteristics and the functioning of the energy recovery appliance at low temperatures are given in short report BRR 060-APD-2011-00068, July 2011.

