

## EN 308/EN 13141-7: Renovent Excellent 300

**TNO** innovation  
for life

**Technical Sciences**  
Laan van Westeniek 501  
7334 DT Apeldoorn  
Postbus 342  
7300 AH Apeldoorn  
www.tno.nl  
T +31 88 866 22 12  
F +31 88 866 22 48  
infodesk@tno.nl

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

**TNO 2013 M10236**  
Determination of the energetic efficiency of the energy recovery appliance "Renovent Excellent 300"  
Test report in accordance with EN 13141-7:2004 / EN308

Date: February 2013  
Author(s): H.A.J. Hamminck  
Sponsor: Brink Climate Systems BV  
R.D. Bügelstraat 3  
7951 DA Staphorst  
Project number: 054.03225  
Keywords: heat recovery efficiency

All rights reserved.  
No part of this publication may be reproduced and/or published by print, photocopy, microfilm or any other means without the previous written consent of TNO.

In case this report was drafted on instructions, the rights and obligations of contracting parties are subject to either the General Terms and Conditions for commissions to TNO, or the relevant agreement concluded between the contracting parties. Submitting the report for inspection to parties who have a direct interest is permitted.

© 2013 TNO

## NEN 5138: Renovent Excellent 300

**TNO** innovation  
for life

Laan van Westeniek 501  
7334 DT Apeldoorn  
Postbus 342  
7300 AH Apeldoorn  
www.tno.nl  
T +31 88 866 22 12  
F +31 88 866 22 48  
infodesk@tno.nl

Verklaring conform norm

**TNO 2012 M10308**  
Bepaling van het energetische rendement van het warmterugwinapparaat "Renovent Excellent 300"  
Meetbrief volgens NEN 5138-2004

Datum: Februari 2013  
Auteur(s): H.A.J. Hamminck  
Opdrachtgever: Brink Climate Systems BV  
R.D. Bügelstraat 3  
7951 DA Staphorst  
Projectnummer: 054.03225  
Exemplaarnummer: 060-APD-2013-00036  
Trefwoorden: warmterugwinning rendement

Alle rechten voorbehouden.  
Niets uit deze uitgave mag worden vermenigvuldigd en/of openbaar gemaakt door middel van druk, fotokopie, microfilm of op welke andere wijze dan ook, zonder voorafgaande toestemming van TNO.

Indien dit rapport in opdracht werd uitgebracht, wordt voor de rechten en verplichtingen van opdrachtgever en opdrachtnemer verwezen naar de Algemene Voorwaarden voor opdrachten aan TNO, dan wel de betreffende inzake tussen de partijen gesloten overeenkomst.  
Het ter inzage geven van het TNO-rapport aan direct belanghebbenden is toegestaan.

© 2013 TNO

## Passive House Certificate: Renovent Excellent 300

**Certificate**  
Certified Passive House Component  
For cool, temperate climates, valid until 31 December 2013

Passive House Institute  
Dr. Wolfgang Feist  
64283 Darmstadt  
GERMANY

Category: Heat recovery unit  
Manufacturer: Brink Climate Systems B.V.  
7951 –DA Staphorst, NETHERLANDS  
Product name: Renovent Excellent 300 4/0 (3/1) (Plus)

This certificate was awarded based on the following criteria:

Thermal comfort	$\theta_{supply\ air} \geq 16.5\ ^\circ C$ at $\theta_{outdoor\ air} = -10\ ^\circ C$
Effective heat recovery rate	$\eta_{HR,eff} \geq 75\ %$
Electric power consumption	$P_{el} \leq 0.45\ Wh/m^3$
Airtightness	Interior and exterior air leakage rates less than 3% of nominal air flow rate
Balancing and adjustability	Air flow balancing possible: yes Automated air flow balancing: yes
Sound insulation	Sound pressure level $L_p \leq 35\ dB(A)$ based on a $4\ m^3$ equivalent absorption area not met Here $L_p = 47\ dB(A)$ Unit should be installed so that it is acoustically separated from living areas
Indoor air quality	Outdoor air filter at least F7 Extract air filter at least G4
Frost protection	Frost protection for the heat exchanger with continuous fresh air supply down to $\theta_{outdoor\ air} = -15\ ^\circ C$ <sup>1)</sup>

1) Only with additional anti freezing protection

Further information can be found in the appendix of this certificate.

www.passivehouse.com 0532vs03

**Certified for air flow rates of 59 – 235 m<sup>3</sup>/h**

$\eta_{HR,eff}$   
**84 %**  
(88% at 74 m<sup>3</sup>/h)

**Electric power consumption 0.26 Wh/m<sup>3</sup>**

**CERTIFIED COMPONENT**  
Passive House Institute

## Conformiteitsverklaring Renovent Excellent 300

**DECLARATION OF CONFORMITY**

Manufacturers : Brink Climate Systems B.V.  
Address: R.D. Bügelstraat 3  
7951 DA Staphorst, The Netherlands  
Product: Heat recovery unit type:  
**Renovent Excellent 300/400**  
**Renovent Excellent 300/400 Plus**

The product described above complies with the following directives:  
2006/95/EC (low voltage directive)  
2004/108/EC (EMC directive)  
RoHS 2002/95/EC (substances directive)

The product bears the CE label:

**CE**

Staphorst, 24-02-11

*W. Hijmissen*  
W. Hijmissen,  
managing director

42 Renovent Excellent

## NF 205: Renovent Excellent 300




**CERTIFICAT**

**VENTILATION MECANIQUE CONTROLE**  
*Controlled Mechanical Ventilation*

Délivré à / granted to  
**BRINK CLIMATE SYSTEMS bv**  
R.D. BUGELSTRAAT 3  
7951 DA STAPHORST  
PAYS BAS

**Pour les produits suivants / For the following products**  
Groupe de ventilation double flux  
*Mechanical supply and exhaust ventilation unit*

**RENOVENT EXCELLENT 300**  
(références et caractéristiques données en annexes) / references and characteristics given in attached appendices

Fabriqués dans l'usine :  
Manufactured in production plant :  
**BRINK CLIMATE SYSTEMS bv**  
R.D. BUGELSTRAAT 3  
7951 DA STAPHORST  
PAYS BAS

Ce certificat est délivré par EUROVENT CERTITA CERTIFICATION dans les conditions fixées par le référentiel de certification NF 205 Ventilation Mécanique Contrôlée

En vertu de la présente décision notifiée par EUROVENT CERTITA CERTIFICATION, AFNOR Certification accorde le droit d'usage de la marque NF à la société qui en est bénéficiaire pour les produits visés ci-dessus, dans les conditions définies par les règles générales de la marque NF et par le référentiel de certification NF mentionné ci-dessus

This certificate is issued by EUROVENT CERTITA CERTIFICATION according to the certification rules NF 205 Controlled Mechanical Ventilation. On the strength of the present decision notified by EUROVENT CERTITA CERTIFICATION, AFNOR Certification grants the right to use the NF Mark to the grantee for the aforementioned products, within the frame of the general conditions applying to the NF Mark and to the aforementioned NF certification

cofrus  
Organisme accrédité AFNOR  
www.cofrus.fr

Date de début de validité : 04/10/2013  
Effective date : 10/04/2013

Date de fin de validité : 31/05/2016  
Expiry date : 05/01/2016

Etabli à Courbevoie, le 4 octobre 2013

Pour EUROVENT CERTITA CERTIFICATION  
Pour e Directeur Général

*Sylvain CURTY*  
Sylvain CURTY

Certificat CERTITA N° 13.074

EUROVENT CERTITA CERTIFICATION SAS au capital de 100 000 € - 38, 41 rue Louis Blanc - 92040 Courbevoie - FRANCE - Tél. : 33 (0)1 47 17 64 85 - Fax : 33 (0)1 47 17 62 45 - 913 103 637 - RCS Nanterre - SIRET 913 103 637 000 19 - TVA FR 960333867

www.eurovent-certification.com / www.certita.fr

## Ü-Zeichen: Renovent Excellent 300



**Allgemeine bauaufsichtliche Zulassung**

Zulassungsstelle für Bauprodukte und Bauarten  
Deutsches Institut für Bautechnik  
Eine vom Bund und den Ländern  
gemeinsam getragene Anstalt des öffentlichen Rechts  
Mitglied der EOTA, der UEAts und der WFTAO

Datum: 01.11.2013      Geschäftszeichen: III 58-1.51.3-38/12

Zulassungsnummer:  
Z-51.3-288

Geltungsdauer  
vom: 1. November 2013  
bis: 1. November 2018

Antragsteller:  
Brink Climate Systems B.V.  
R. D. Bugelstraat 3  
7951 DA Staphorst  
NIEDERLANDE

Zulassungsgegenstand:  
Zentrales Lüftungsgerät mit Wärmerückgewinnung vom Typ "Renovent Excellent 300"

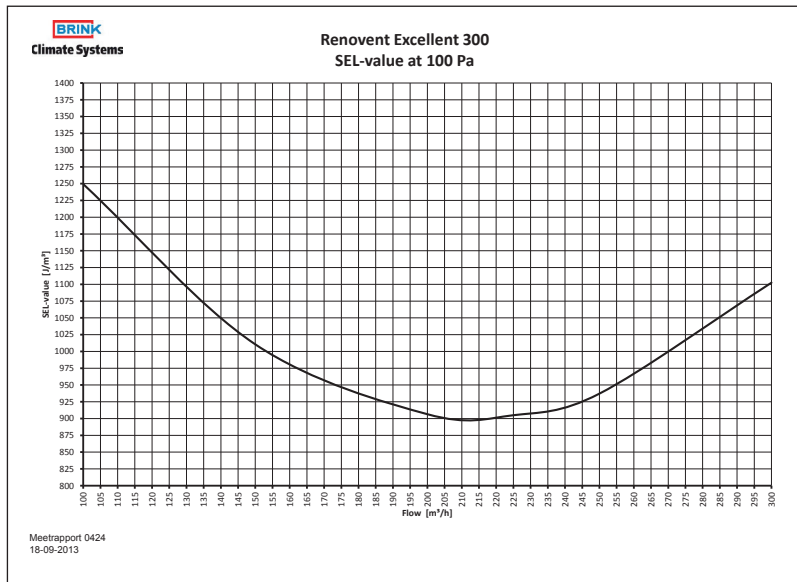


Der oben genannte Zulassungsgegenstand wird hiermit allgemein bauaufsichtlich zugelassen.  
Diese allgemeine bauaufsichtliche Zulassung umfasst neun Seiten und sechs Anlagen.



DIBt | Kolonnenstraße 30 | D-10629 Berlin | Tel.: +49 30 78730-0 | Fax: +49 30 78730-320 | E-Mail: dibt@dibt.de | www.dibt.de

## Renovent Excellent 300 - SEL-waarde 100 Pa



### 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](mailto:info@brinkclimatesystems.nl)  
[www.brinkclimatesystems.nl](http://www.brinkclimatesystems.nl)