

EN 308/EN 13141-7: Renovent Excellent 300



TNO innovation
for life

Technical Sciences
Laan van Weesenijk 501
7334 DT Apeldoorn
Postbus 542
7300 AH Apeldoorn

www.tno.nl

T +31 88 866 22 12
F +31 88 866 22 48
info@tsk.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. Hammink
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 Westenenk 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
"Renovet Excellent 300"
Meetbrief volgens NEN 5138-2004**

Datum Februari 2013

Auteur(s) H.A.J. Hammink

Opdrachtgever Brink Climate Systems BV
R.D. Buijsstraat 3
7951 DA Slophorst

Projectnummer 054.03225

Exemplaarnummer 060-APD-2013-00036

Trefwoorden warmteregeneratie
rendement

Alle rechten voorbehouden.
Niets uit deze uitgave mag worden vermenigvuldigd en/of openbaar gemaakt door middel van druk, foto-kopie, 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 terzake 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	$t_{\text{body,air}} \geq 16.5^\circ\text{C}$ at $t_{\text{outdoor,air}} = -10^\circ\text{C}$
Effective heat recovery rate	$\eta_{\text{HTR,eff}} \geq 75\%$
Electric power consumption	$P_{\text{el}} \leq 0.45\text{ Wh/m}^3$
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 $L_p \leq 35\text{ dB(A)}$ based on a 4 m^2 equivalent absorption area not met Here $L_p = 47\text{ dB(A)}$ 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 $t_{\text{outdoor,air}} = -15^\circ\text{C}$ 1)

1) Only with additional anti freezing protection

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

Certified for air flow rates of

59 – 235 m³/h

$\eta_{\text{HTR,eff}}$

84 %

(88% at 74 m³/h)

Electric power consumption

0.26 Wh/m³



CERTIFIED COMPONENT

Passive House Institute

www.passivehouse.com

0532vs03

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:	
	
Staphorst, 24-02-11	
W. Hijmissen, managing director	

NF 205: Renovent Excellent 300



Organisme certificateur
mandaté par AFNOR Certification



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 annexe(s) / references and characteristics given in attached appendix)

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

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

Date de fin de validité : 31/09/2016
Expiry date : 09/01/2016

Établi à Courbevoie, le 4 octobre 2013

Pour EUROVENT CERTITA CERTIFICATION
Pour le Directeur Général

Sylvain CURTY
Sylvain CURTY

Certificat CERTITA N° 13 074

EUROVENT CERTITA CERTIFICATION SAS au capital de 100 000 € - 39, 41 rue Louis Blanc - 92400 Courbevoie - FRANCE - Tél. : 33 (0)1 47 17 64 85 - Fax : 33 (0)1 47 17 62 45
SIRET 513 133 637 000 19 - TVA FR 5953132037
www.eurovent-certification.com / www.certita.fr

Ü-Zeichen: Renovent Excellent 300



Deutsches Institut für Bautechnik



Allgemeine bauaufsichtliche Zulassung

Zulassungsstelle für Bauprodukte und Bauarten
Bautechnisches Prüfamt
Eine vom Bund und den Ländern
gemeinsam getragene Anstalt des öffentlichen Rechts
Mitglied der EGTA, der UEAts und der WPTAG

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

Zulassungsnummer:
Z-51.3-288

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

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

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

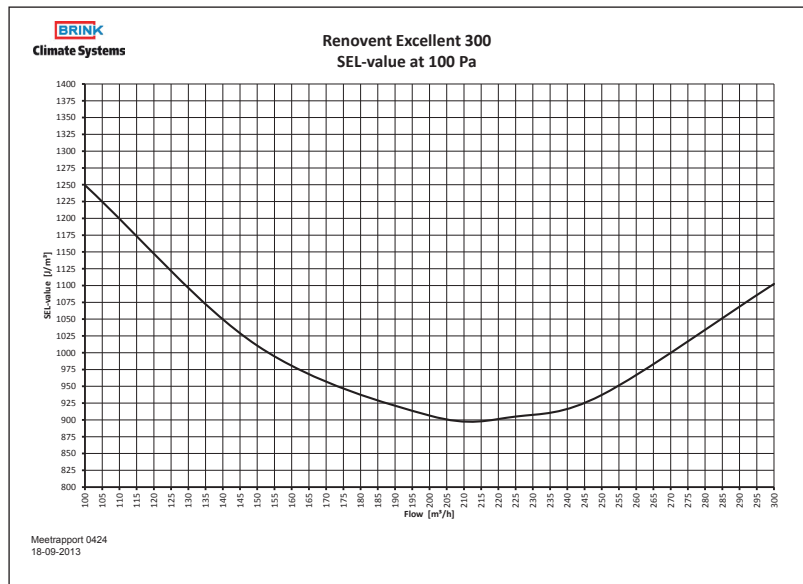
Der oben genannte Zulassungsgegenstand wird hiermit allgemein bauaufsichtlich zugelassen.
Diese allgemeine bauaufsichtliche Zulassung umfasst neun Seiten und sechs Anlagen.





DIBt | Kolonnenstraße 30 B | D-10829 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.