# Declaration of conformity

regarding the determination of energetic efficiency
according to EN 13141-7:2011-01

Flair 400 4/0 R EU
ducted ventilation unit
Tested unit

**Brink Climate Systems B.V.**
Client

**KF.82.06.268.AD.01**
Document number

**Europäisches Testzentrum für Wohnungslüftungsgeräte (TZWL) e.V.**
Test laboratory

**Heat recovery**
**Efficiency**
Keywords

**Dortmund, 2018-12-13**
Date and place of issue

Signature

**P. Wernsmann**

Head of test laboratory

This declaration comprises of 2 pages.

EUROPÄISCHES TESTZENTRUM FÜR WOHNUNGSLÜFTUNGSGERÄTE E.V.

DAkkS Deutsche Akkreditierungsstelle D-PL-19438-01-00

ilac-MRA


TZWL e. V.
Ernst-Mehlich Str. 4a
44141 Dortmund

info@tzwl.de
+49 (0)231 53477-0
+49 (0)231 53477-109
www.tzwl.de




The test results solely refer to the denoted serial number

# Declaration of confirmity regarding the determination of energetic efficiency according to EN 13141-7:2011-01

On behalf of Brink Climate Systems B.V. the determination of energetic efficiency was conducted by Europäisches Testzentrum für Wohnungslüftungsgeräte (TZWL) e. V. in Dortmund, Germany.

Tests were carried out according to:

- EN 13141-7:2010; Ventilation for buildings - Performance testing of components/products for residential ventilation - Part 7: Performance testing of a mechanical supply and exhaust ventilation units (including heat recovery) for mechanical ventilation systems intended for single family dwellings

Technical data of the tested unit:

| | |
|---|---|
| Manufacturer: | Brink Climate Systems B.V. |
| Type: | Flair 400 4/0 R EU |
| Serial Number: | 431001184001 |
| Year of construction: | 2018 |
| Power supply: | 230 V ~ 50 Hz |
| CE-Label: | Yes |
| Maximum volume flow: | 400 m³/h |

Results, energetic efficiency 7°C:

| Air flow [m³/h] | Temperature ratio, supply air $\eta_{\theta,su}$ [%] | Total electric power consumption $P_E$ [W] | Specific electric power consumption [W/m³/h] |
|---|---|---|---|
| 50 | 97,3 | 10,8 | 0,22 |
| 279 | 92,1 | 46,5 | 0,17 |
| 400 | 88,5 | 113,0 | 0,28 |

Results, energetic efficiency 2°C:

| Air flow [m³/h] | Temperature ratio, supply air $\eta_{\theta,su}$ [%] | Total electric power consumption $P_E$ [W] | Specific electric power consumption [W/m³/h] |
|---|---|---|---|
| 50 | 100,2* | 10,9 | 0,22 |
| 279 | 93,5 | 53,1 | 0,19 |
| 397 | 92,5 | 119,4 | 0,30 |

*Massflow corrected in order to DIN EN 13141-7

Results of performance tests of aerodynamic characteristics, of heat recovery characteristics and of the effective power consumption are taken from tests with number M.82.06.268.AD.