# Declaration of conformity

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

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

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

**KF.82.06.268.BD.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.

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The test results solely refer to the denoted serial number

KF.82.06.268.BD.01
13.12.18

# 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 ENTHALPIE |
| Serial Number: | 431033184001 |
| 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 $\eta_{\theta,su}$ [%] | Humidity ratio supply air $\eta_{X,su}$ [%] | Total electric power consumption $P_E$ [W] | Specific electric power consumption [W/m³/h] |
|---|---|---|---|---|
| 50 | 96,7 | 83,6 | 11,4 | 0,23 |
| 280 | 80,5 | 52,4 | 46,0 | 0,17 |
| 400 | 75,4 | 42,2 | 109,2 | 0,27 |

Results, energetic efficiency 2°C:

| Air flow [m³/h] | Temperature ratio, supply air $\eta_{\theta,su}$ [%] | Humidity ratio supply air $\eta_{X,su}$ [%] | Total electric power consumption $P_E$ [W] | Specific electric power consumption [W/m³/h] |
|---|---|---|---|---|
| 50 | 95,0 | 85,9 | 11,5 | 0,22 |
| 280 | 78,5 | 62,3 | 47,6 | 0,17 |
| 400 | 74,5 | 54,8 | 108,8 | 0,27 |

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.BD.