

Certificate

Certified Passive House Component

For cool, temperate climates, valid until 31 December 2014

Passive House Institute
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Category: **Heat recovery unit**
Manufacturer: **PAUL Wärmerückgewinnung GmbH**
08141 Reinsdorf, GERMANY
Product name: **focus 200**

This certificate was awarded based on the following criteria:

| | |
|------------------------------|---|
| Thermal comfort | $\theta_{\text{supply air}} \geq 16.5 \text{ °C}$ at $\theta_{\text{outdoor air}} = -10 \text{ °C}$ |
| Effective heat recovery rate | $\eta_{\text{HR,eff}} \geq 75\%$ |
| 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 level $L_w \leq 35 \text{ dB(A)}$ not met Here $L_w = 51.7 \text{ dB(A)}$ Unit should be installed so that it is acoustically separated from living areas |
| Indoor air quality | Outdoor air filter F7 Extract air filter G4 |
| Frostprotection | Frost protection for the heat exchanger with continuous fresh air supply down to $\theta_{\text{outdoor air}} = -15 \text{ °C}$ |

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

Certified for air flow rates of

116 – 155 m³/h

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

91%

Electric power consumption

0.31 Wh/m³



CERTIFIED COMPONENT

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