

Certificate

Certified Passive House Component

For cool, temperate climates.

Category: **Heat recovery unit**
Manufacturer: **Swegon AB**
53523 Kvänum, Sweden
Product name: **GOLD RX Series**

This certificate was awarded based on the following criteria:

Thermal comfort	Θ supply air $\geq 62^{\circ}\text{F}$, 16.5°C at Θ outdoor air = 14°F , -10°C
Effective heat recovery rate	$\eta_{\text{HR,eff}} \geq 75\%$
Electric power consumption	$P_{\text{el}} < 0.77 \text{ W/cfm}$, $\leq 0.45 \text{ Wh/m}^3$
Performance number	≥ 10
Airtightness	Interior ¹⁾²⁾ and exterior air leakage rates less than 3% of nominal air flow rate
Balancing and adjustability	Air flow balancing possible: required Automated air flow balancing: required
Sound insulation	It is assumed that large ventilation units are installed in a separate building services room. Sound levels documented in the appendix of this certificate
Indoor air quality	Outdoor air filter F7 (MERV 13) Return air filter F5 (MERV 10)
Frostprotection	Not required at $T_{\text{OA}} > 5^{\circ}\text{F}$, -15°C

- 1) Carry-over from return air to supply air side
- 2) Due to heat exchanger condition the risk of carry-over from return air to supply air side exists. In order to avoid carry over into the supply air side, pressure conditions in the device must be set as given by the manufacturer.

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

www.passivehouse.com

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
GERMANY



Certified for air flow rates of (total series)

317 – 5297 cfm
540 – 9000 m³/h

Requirements non residential buildings

$\eta_{\text{HR,eff}} \geq 84\%$

Electric power consumption
0.77 W/cfm,
0.45 Wh/m³



CERTIFIED COMPONENT

Passive House Institute