

CERTIFICATE

Certified Passive House Component

Component-ID 0505vs03 valid until 31st December 2017

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category: **Air handling unit with heat recovery**
Manufacturer: **Amalva UAB**
Lithuania
Product name: **Domekt REGO-450**

Specification: **Airflow rate < 600 m³/h**
Heat exchanger: **Regenerative**

This certificate was awarded based on the product meeting the following main criteria

Heat recovery rate $\eta_{HR} \geq 75\%$
Specific electric power $P_{el,spec} \leq 0.45 \text{ Wh/m}^3$
Leakage $< 3\%$

Comfort **Supply air temperature $\geq 16.5^\circ\text{C}$
at outdoor air temperature -10°C**

Airflow range

167–310 m³/h

Heat recovery rate

$\eta_{HR} = 78\%$

Specific electric power

$P_{el,spec} = 0.40 \text{ Wh/m}^3$

- Regenerative heat recovery - applicability to be checked
- possible humidity recovery due to condensation

cool, temperate climate



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Category: **Air handling unit with heat recovery**
Manufacturer: **Amalva UAB**
Lithuania
Product name: **Domekt RECU-400**

Specification: **Airflow rate < 600 m³/h**
Heat exchanger: **Recuperative**

This certificate was awarded based on the product meeting the following main criteria

Heat recovery rate $\eta_{HR} \geq 75\%$
Specific electric power $P_{el,spec} \leq 0.45 \text{ Wh/m}^3$
Leakage $< 3\%$

Comfort **Supply air temperature $\geq 16.5^\circ\text{C}$
at outdoor air temperature -10°C**

Airflow range
129–256 m ³ /h
Heat recovery rate
$\eta_{HR} = 76\%$
Specific electric power
$P_{el,spec} = 0.37 \text{ Wh/m}^3$

■ At an airflow of 230 m³/h, a heat recovery of $\eta_{HR} = 77\%$ is reached.

