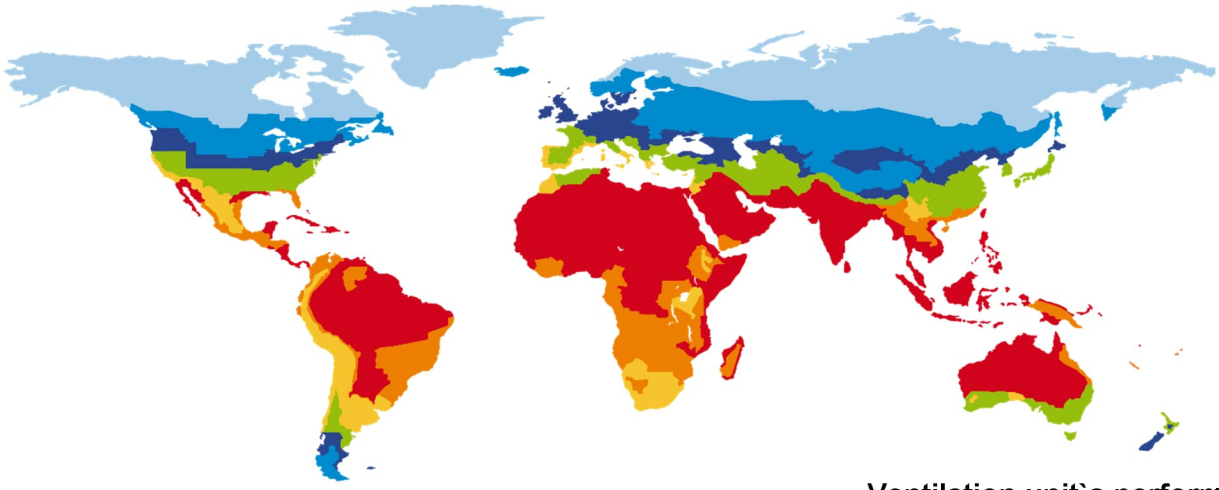
CERTIFICATE

Certified Passive House Component

Component-ID 2421ch03 and 2422ch03 and 2423ch03
valid until 31st December 2026

Passive House Institute
Dr. Wolfgang Feist
64283 Darmstadt
Germany



Category:	**Compact unit**
Manufacturer:	**Nilan A/S**
	Denmark
Product name:	**Compact P2 (Combi 400 Top)**[1)]

Type of heat pump:
Heat exchanger: recuperative

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

Ventilation unit

Heat recovery rate	η_{HR}	≥	75 %
Specific electric power	$P_{el,spec}$	≤	0.45 Wh/m³
Leakage		<	3 %
Comfort	Supply air temperature ≥ 16.5 °C at outdoor air temperature of -10 °C		

Heat pump [2)]

Space heating	9 kWh/(m²a)
Space Heating + DHW	20 kWh/(m²a)
Space cooling (humid climate):	13 kWh/(m²a)
Space cooling (dry climate):	11 kWh/(m²a)

Ventilation unit`s performance: [1) 3)]

Airflow range
70…360 m³/h
Heat recovery rate
η_{HR} = 81 and 85 %
Specific electric power
$P_{el,spec}$ = 0.24 and 0.21 Wh/m³
Humidity recovery rate
η_x = – %

Heat pump`s performance: [1)]

Heat Pump – space heating
7 kWh/(m²a)
Heat Pump – Heating + DHW
15 kWh/(m²a)
Cooling DRY
– kWh/(m²a)
Cooling HUMID
– kWh/(m²a)

[1)] all certified units and operational modes are listed in detail in the appendix of this certificate
[2)] limit values for final energy (electricity) demand
[3)] the unit is equipped with ventilation unit.

CERTIFIED COMPONENT
Passive House Institute