



BIOBASED HOUSE, NETHERLANDS

Residential living will always be changing and developing with the times. Apart from architectural considerations, the total energy balance is of increasing importance. Legislators, ongoing development of building materials and the quality of construction are consistently raising the standard of residential construction, thereby reducing energy consumption.

As an example of this, a modular bio-based house was built in the Netherlands. The house stores more CO₂ than it emits! A central element in such a sustainable object is of course the ventilation system. That's why the heat pump combi unit PKOM⁴ was used. The building technology is compactly packaged in a combi unit that is also responsible for ventilating, heating, cooling and hot water preparation. The PKOM⁴ heat pump combi unit with patented two-circuit heat pump system unites these four functions on a footprint of less than 0.75 m². It achieves the best efficiency values thanks to its innovative and patented heat pump technology (air heat pump) and its sophisticated heat recovery. The system is easily set and controlled at the push of a button.

DATA & FACTS

Location:	Netherlands
Completion:	2023
Type of building:	Modular biobased house
Building technology:	Climavent bvba
Products:	Heat pump combi unit PKOM ⁴ , Air distribution system

Product groups:

