

OBJECT OF THE MONTH



SINGLE FAMILY HOUSE, PRAGUE

Modern systems for comfortable and ecological living

During the planning phase of this passive house, the focus was on ensuring that the building services met high efficiency standards with a variety of modern technologies, while at the same time meeting the requirements of a single family house.

PKOM⁴ heat pump combi unit

One of the key elements of this project was the installation of the PKOM⁴ heat pump combi unit. The combi unit is an excellent choice for modern family homes, as it not only provides high-quality ventilation, but also cooling, heating and hot water. The multifunctionality of this unit combines reduced operating costs and higher energy efficiency, which translates into occupant satisfaction and long-term savings.

Air humidification unit LBE 250

In the winter months, when the heating is on, the room air can be very dry. A relative humidity of less than 40 % can lead to the mucous membranes drying out and thus to an increased susceptibility to colds. To ensure optimum humidity, the ventilation system was equipped with the LBE 250.

DATA & FACTS

Location:	Prague
Completion:	2024
Type of building:	Passive house
Architect:	Ing. arch. Pavel Jura
Building technology:	Evora CZ s.r.o.
Products:	Heat pump combi unit PKOM ⁴ Air humidification unit LBE 250
Product groups:	

