

## HEATING IN NEW BUILDINGS



Heating expenses are the most essential part of utility bills. Here in Serbia you have several options in new buildings that may affect your choice:

- Central heating with payment on consumption (a counter is installed for each apartment, and radiators are equipped with thermostats).
- Electric heating may be of several types:
  - electric boiler (for the whole building, floor or separately in each apartment)
  - separate heating devices (such as electrical radiators)
  - a heat pump uses geothermal energy to heat the coolant, reheating by electricity. Heat pumps are of different types, depending on the initial conditions at the site.
- Gas heating paid for consumption (gas boiler to the building, a counter is installed for each apartment, and radiators are equipped with thermostats).

Comparing the costs of these types of heating can only be very tentative because of a variety of factors affecting: the temperature, which the residents consider themselves comfortable, the location of the apartment, the insulation of the building, the types of heating devices and many others. Energy Agency this fall [calculated](#) that for an average apartment of 60m<sup>2</sup> an average consumption is 9000kW in the season.

Type of heating	Months	Costs per month, €	Expenses per year, €
Gas, payment per consumption	6	60	358
Heat pump, payment on consumption of electricity	6	73	438
Central heating, payment per consumption	6	96	579
Electric heating	6	104	625
Central heating, payment per m <sup>2</sup>	12	61	730

The above expenses do not include heating of common areas, as well as service expenses that are paid year-round (for central and gas heating, for example). For these purposes, it will be necessary to pay at least 25€ yearly. You can calculate the costs for central heating of an apartment with a given area and power of heating devices (with or without a meter) using this [calculator](#).