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NOMENCLATURE

A	net surface area, m ²
c	unit cost, €/kWh ⁻¹ , €/m ³
C _p	specific heat capacity, J kg ⁻¹ K ⁻¹
E	final energy, kWh.year ⁻¹
f	fraction of operation, %
HDD	heating degree-days, °C.days
LHV	lower heating value of the fuel, kWh.m ⁻³
n	air change rate, h ⁻¹
ND	number of days, days
P	power, W
PE	primary energy consumption, kWh.year ⁻¹
q	rate of CO ₂ production, L.h ⁻¹
Q	air flow rate, m ³ .h ⁻¹
RH	relative humidity, %
SPT	simple payback time, years
t	time lapse, h
V	net volume of the building, m ³
y	CO ₂ concentration, ppm

Greek symbols

ρ	density, kg.m ⁻³
η	efficiency, -

Subscripts

el	electricity
f	fuel
hr	heat recovery
i	indoor
in	initial
ma	maintenance
mv	mechanical ventilation
nv	natural ventilation
o	outdoor
op	operation
th	thermal