

Description:

 Region:
 Liguria
 Archetype code:

 Building category:
 Residential buildings – Apartments in multi-family block
 RES_APPBLOCK_

 Period of construction:
 1991-2000
 1991-2000_F_LIG

Climatic zone: F Number of records: 11

External walls: no data available Roof slabs: no data available

Data sources: EPC databases (100%)

	Data	Symbol	Unit of	Mean	Standard	Q1 (first	Q2 (Median	Q3 (third			
			measure	value	deviation	quartile)	value)	quartile)			
BUILDING GEOMETRY	Number of floors	n _f	-	-	-	-	-	-			
	Gross height	Hg	m	-	-	-	-	-			
	Footprint area	A _{footprint}	m²	-	-	-	-	-			
	Heated gross floor area	A _{H;g}	m²	-	-	-	-	-			
	Heated net floor area	A _{H;n}	m²	-	-	-	-	-			
	Heated gross volume	V _{H;g}	m³	-	-	-	-	-			
	Heated net volume	V _{H;n}	m³	-	-	-	-	-			
	Compactness ratio	A _{env} /V _{H;g}	m ⁻¹	0.67	0.38	0.33	0.65	1.04			
	WWR – North orientation	WWR _N	-	-	-	-	-	-			
Ĕ	WWR – South orientation	WWR _S	-	-	-	-	-	-			
	WWR – East orientation	WWR _E	-	-	-	-	-	-			
	WWR – West orientation	WWR _w	-	-	-	-	-	-			
	Window to useful floor area ratio	A _{wi} /A _{use}	-	-	-	-	-	-			
	Roof type				-						
	<i>U</i> -value of the roof	U _{fl;up}	W/(m²·K)	-	-	-	-	-			
	External walls type	7.1			-						
F	<i>U</i> -value of the wall	U _{wl}	W/(m²⋅K)	1.11	0.35	0.87	1.27	1.40			
ENVELOPE	Slab on ground floor type				-						
	<i>U</i> -value of the floor	U _{fl;lw}	W/(m ² ·K)	-	-	-	-	-			
	Windows type	-									
	U-value of the windows	U _W	W/(m²⋅K)	3.46	1.00	2.67	3.31	3.91			
	Shading system type				-	-					
_	Occupancy density *	O _C person/m ² UNI EN 16798-1 - Table A.19									
VENTILATION	Lighting power density *	W _L	W/m ²								
GAINS and ENTILATIO	Equipment power density *	W _A	W/m ²	•							
Ę	Type of ventilation	Natural: 100%									
O G	Air exchange rate *	n	h-1	0.30	0.00	0.30	0.30	0.30			
	Heating system type			0.50	-	0.00	0.00				
	Heating generator	- Linkmounn, FF0/, Traditional hailan, 450/									
THERMAL SYSTEMS	Daily operating time of the	Unknown: 55%; Traditional boiler: 45%									
	heating system *	No limitations									
	Energy carrier	Unknown: 55%; LPG: 18%; Natural gas: 9%; Electricity and natural gas: 9%; Electricity and gas oil: 9%									
	Heating emission sub-system	Unknown: 55%; Radiators: 45%									
	Cooling system type	-									
	Daily operating time of the cooling system *	tc	h	-	-	-	-	-			
	Cooling emission sub-system	,			-						
	DHW system type				-						
	DHW generator										
	* These values were not available in the considered sources, and are thus derived from UNI EN Standards										







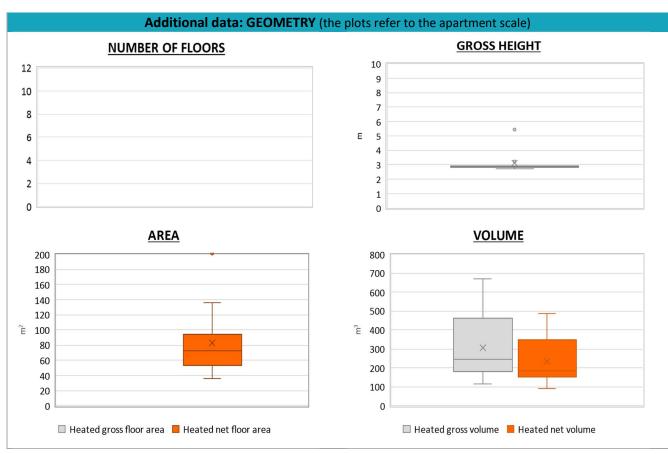
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ADDITIONAL DATA											
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)			
GEOMETRY: apartments	Inter-storey height	H _n	m	3.1	0.8	2.8	2.8	3.2			
	Heated gross floor area	A _{H;g}	m²	-	-	-	-	-			
	Heated net floor area	A _{H;n}	m²	82.4	47.9	53.0	72.6	94.0			
	Heated gross volume	V _{H;g}	m³	305.0	183.5	178.8	245.8	462.0			
	Heated net volume	V _{H;n}	m³	234.0	141.3	150.5	182.5	347.3			
THERMAL SYSTEMS	Heating efficiency or COP	η _{H;gen} or <i>COP</i> H;gen	-	This value has to be retrieved from suitable datasheets							
	Total heating power *	P _{H;gen}	kW	-	-	-	-	-			
	Cooling efficiency or EER	η _{C;gen} or <i>EER</i> _{C;gen}	-	This value has to be retrieved from suitable datasheets							
	Total cooling power *	$P_{C;gen}$	kW	-	-	-	-	-			
	Temperature of DHW	θ_{W}	°C	-	-	-	-	-			
	DHW system power *	$P_{ m W;gen}$	kW	23.6	2.3	23.3	24.0	24.7			
	* These values refer to the apa	rtment scale									







NOTE: Sample size of the analysed data.

Compactness ratio: 11; U-value of the wall: 11; U-value of the windows: 11; Inter-storey height: 11; Heated net floor area: 11; Heated gross volume: 11; Heated net volume: 11; DHW system power: 10; CO2 Emission: 10; EP_H_nren: 11; EP_W_nren: 11; EP_GL_nren: 11; EP_H_ren: 6