

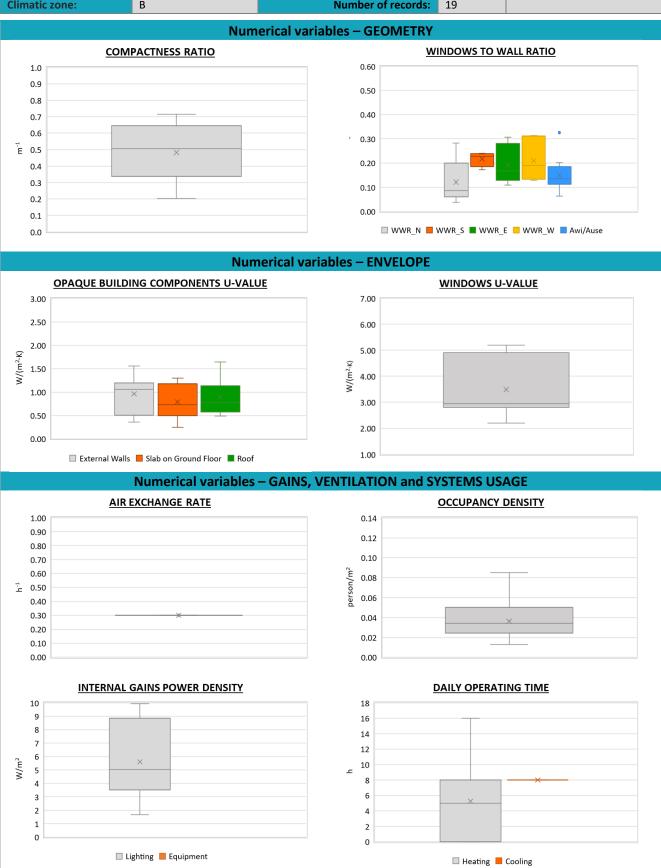
Description (the codes associated with walls and slabs refer to the structures described in UNI/TR 11552:2014): External walls: double layer of hollow bricks (12 cm + 12 cm) with uninsulated air gap (cod. MCV01).

Roof slabs: no data available

Data sources:
Survey data (52%)
Measured data (12%)
Expert assumptions (11%)
Others (25%) #

		ı		1			Others	(25%) #			
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)			
BUILDING GEOMETRY	Number of floors	n _f	-	1.63	1.07	1.00	1.00	2.00			
	Gross height	Hg	m	-	-	-	-	-			
	Footprint area	A _{footprint}	m ²	-	-	-	-	-			
	Heated gross floor area	A _{H;g}	m ²	-	-	-	-	-			
	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	0.48	0.17	0.34	0.51	0.65			
	WWR – North orientation	WWR _N	-	0.12	0.09	0.06	0.09	0.20			
E E	WWR – South orientation	WWR _S	-	0.22	0.03	0.18	0.23	0.24			
	WWR – East orientation	WWR _E	-	0.19	0.08	0.13	0.17	0.28			
	WWR – West orientation	<i>WWR</i> _w	-	0.21	0.08	0.13	0.19	0.31			
	Window to useful floor area ratio	A _{wi} /A _{use}	-	0.15	0.06	0.11	0.14	0.18			
	Roof type				-						
	<i>U</i> -value of the roof	U _{fl;up}	W/(m²⋅K)	0.90	0.38	0.57	0.77	1.13			
	External walls type	Hollow brick masonry: 68%, Solid brick masonry: 11%, Concrete wall: 11%, Masonry with local stones: 5%, Unknown: 5%									
표	<i>U</i> -value of the wall	U _{wl}	W/(m²⋅K)	0.97	0.38	0.51	1.06	1.20			
Ö	Slab on ground floor type	-									
ENVELOPE	<i>U</i> -value of the floor	U _{fl;lw}	W/(m²⋅K)	0.79	0.38	0.50	0.73	1.18			
	Windows type	Double glazing, aluminum frame with thermal break: 23%, Double glazing, aluminum frame, no thermal break: 18%, Double glazing, wooden frame: 18%, Single glazing, aluminum frame: 18%, Double glazing, PVC frame: 12%, Single glazing, wooden frame: 11%									
	<i>U</i> -value of the windows	Uw	W/(m²⋅K)	3.49	1.07	2.80	2.95	4.90			
	Shading system type	Shutter: 47%, Roller blinds: 41%, Curtains: 6%, Unknown: 6%									
GAINS and	Occupancy density	O _C	person/m²	0.036	0.017	0.024	0.034	0.050			
	Lighting power density	W∟	W/m ²	5.61	2.94	3.55	5.05	8.89			
NS ILA	Equipment power density *	W _A	W/m ²		UNI EN 16798-1 - A.8.3						
GAINS and ENTILATION	Type of ventilation	Natural: 100%									
~ >	Air exchange rate *	n	h ⁻¹	0.30	0.00	0.30	0.30	0.30			
	Heating system type			Autor	nomous: 89%,	Centralized: 119	6				
S	Heating generator	Traditional Boiler: 47%, Fireplace: 21%, Condensing Boiler: 16%, Air source heat pump: 5%, Unknown: 11%									
	Daily operating time of the heating system	t _H	h	7.14	4.05	4.00	6.00	9.00			
Ä	Energy carrier	Natural Gas: 42%, Solid Biomass: 21%, Electricity: 16%, LPG: 11%, Unknown: 10%									
THERMAL SYSTEMS	Heating emission sub-system	Radiators: 77%, Fan coil: 6%, Unknown: 17%									
	Cooling system type	Air-cooled chiller: 53%, Absent: 42%, Water-cooled chiller: 5%									
	Daily operating time of the cooling system *	t _C	h	8.00	0.00	8.00	8.00	8.00			
	Cooling emission sub-system	Fan coil: 100%									
	DHW system type	Autonomous - detached from heating: 100%									
	DHW generator	Electric boiler: 100%									
	1 11	# Standards (10%), EPC databases (9%), Municipal database (6%).									
	* These values were not available in the considered sources, and are thus derived from UNI EN Standards										





The data can be used for analysis, modeling, and research purposes, as long as it remains unaltered in its original form. Users are free to publish results based on the data, provided they credit the original source.



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	2.89	0.37	2.70	2.70	3.03			
	Heated gross floor area	A _{H;g}	m ²	142.75	48.24	109.11	132.34	155.16			
	Heated net floor area	A _{H;n}	m²	119.53	42.02	90.51	113.95	132.06			
	Heated gross volume	V _{H;g}	m³	448.59	155.13	341.68	428.26	494.16			
	Heated net volume	V _{H;n}	m³	347.67	123.54	259.90	334.80	375.52			
THERMAL SYSTEMS	Heating efficiency or COP	$\eta_{ ext{H;gen}}$ or $ ext{COP}_{ ext{H;gen}}$	-	This value has to be retrieved from suitable datasheets							
	Total heating power *	P _{H;gen}	kW	20.91	8.65	19.25	24.00	25.30			
	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	40.00	0.00	40.00	40.00	40.00			
É	DHW system power *	P _{W;gen}	kW	1.50	0.00	1.50	1.50	1.50			
	* These values refer to the apartment scale										

