

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 + 25 cm) with uninsulated air gap (cod. MCV01).

Roof slabs: no data available

Data sources:
Survey data (52%)
Measured data (16%)
Expert assumptions (12%)
Others (20%) #

							Others	(20%) #		
	Data	Symbol	Unit of	Mean	Standard	Q1 (first	Median	Q3 (third		
BUILDING GEOMETRY	Neverlandefiles		measure	value	deviation	quartile)	value	quartile)		
	Number of floors	n _f	-	1.59	0.48	1.00	1.00	1.00		
	Gross height	Hg	m2	-	-	-	-	-		
	Footprint area	A _{footprint}	m ²	-	-	-	-	-		
	Heated gross floor area	A _{H;g}	m ²	-	-	-	-	-		
	Heated net floor area	A _{H;n}	m ²	-	-	-	-	-		
	Heated gross volume	V _{H;g}	m³	-	-	-	-	-		
	Heated net volume	V _{H;n}	m ³	-	-	-	-	-		
	Compactness ratio	A _{env} /V _{H;g}	m ⁻¹	0.52	0.23	0.34	0.45	0.74		
	WWR – North orientation	WWR _N	-	0.16	0.10	0.05	0.18	0.24		
	WWR – South orientation	WWR _s	-	0.24	0.13	0.11	0.30	0.32		
	WWR – East orientation	WWR _E	-	0.18	0.11	0.10	0.16	0.30		
	WWR – West orientation	<i>WWR</i> _w	-	0.19	0.08	0.13	0.21	0.24		
	Window to useful floor area ratio	A _{wi} /A _{use}	-	0.14	0.03	0.11	0.12	0.17		
	Roof type -									
	<i>U</i> -value of the roof	U _{fl;up}	W/(m ² ·K)	0.82	0.39	0.46	0.78	1.19		
	External walls type	Hollow brick masonry: 50%, Solid brick masonry: 50%								
닞	<i>U</i> -value of the wall	U _{wl}	W/(m ² ·K)	0.63	0.31	0.31	0.64	0.89		
ğ	Slab on ground floor type	-								
ENVELOPE	<i>U</i> -value of the floor	U _{fl;lw}	W/(m ² ·K)	1.06	0.63	0.46	1.05	1.68		
	Windows type	Double glazing, wooden frame: 33%, Double glazing, aluminum frame, no thermal break: 17%, Double glazing, PVC frame: 17%, Single glazing, wooden frame: 17%, Single glazing, PVC frame: 16%								
	<i>U</i> -value of the windows	U _W	W/(m ² ·K)	4.75	1.48	3.75	4.75	5.81		
	Shading system type			Roller blinds: 50%, Shutter: 33%, Curtains: 17%						
7	Occupancy density	O _C	person/m ²	0.036	0.010	0.026	0.039	0.044		
	Lighting power density *	W _L	W/m²	UNI EN 16798-1 - A.8.3						
آ کِ	Equipment power density *	W _A								
GAINS AND	Type of ventilation		Natural: 100%							
A N	Air exchange rate *	n	h ⁻¹	0.30	0.00	0.30	0.30	0.30		
THERMAL SYSTEMS	Heating system type	Autonomous: 100%								
	Heating generator	Traditional Boiler: 83%, Air-source heat pump: 17%								
	Daily operating time of the heating system *	t _H	h	8.00	0.00	8.00	8.00	8.00		
	Energy carrier	Natural Gas: 50%, Gas Oil: 17%, LPG: 17%, Electricity: 16%								
	Heating emission sub-system	Radiators: 83%, Fan Coil: 17%								
	Cooling system type	Absent: 83%, Air-cooled chiller: 17%								
	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 – coupled with heating: 83%, Autonomous – detached from heating: 17%								
	DHW generator	Natural gas boiler: 83%, Electric boiler: 17%								
	# Standards (8%), Municipal database (8	,								





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	2.86	0.14	2.70	2.88	3.00			
	Heated gross floor area	A _{H;g}	m²	151.53	24.26	132.08	138.72	177.39			
	Heated net floor area	$A_{H;n}$	m ²	126.93	19.78	111.70	114.50	148.37			
	Heated gross volume	V _{H;g}	m³	463.83	76.36	396.63	440.57	542.66			
	Heated net volume	V _{H;n}	m³	362.60	56.38	314.08	340.20	422.34			
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	29.22	5.28	23.65	31.10	33.85			
	Cooling efficiency or EER	$\eta_{ extsf{C};gen}$ or $\mathit{EER}_{ extsf{C};gen}$	-	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			
	DHW system power	P _{W;gen}	kW	-	-	-	-	-			
	* These values refer to the apartment scale										





