

 Region:
 Trentino Alto Adige
 Archetype code:

 Building category:
 Restaurant - Catering
 CATR\_2001-2010\_E\_TN

 Period of construction:
 2001-2010

 Climatic zone:
 E
 Number of records:
 73

Description (the codes associated with walls and slabs refer to the structures described in UNI/TR 11552:2014):

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

Data sources: APE (100%)

	Data		Symbol Unit of Mean Standard Q1 (first					Median Q3 (third		
	Data	Зуппоот	measure	value	deviation	quartile)	value	quartile)		
BUILDING GEOMETRY	Number of floors	n <sub>f</sub>	-	-	-	-	-	-		
	Gross height	Hg	m	-	-	-	-	-		
	Footprint area	A <sub>footprint</sub>	m <sup>2</sup>	-	-	-	-	-		
	Heated gross floor area	A <sub>H;g</sub>	m <sup>2</sup>	-	-	-	-	-		
	Heated net floor area	A <sub>H;n</sub>	m²	233	205	101	160	254		
	Heated gross volume	V <sub>H;g</sub>	m <sup>3</sup>	-	-	-	-	-		
	Heated net volume	V <sub>H;n</sub>	m <sup>3</sup>	1036	911	444	672	1181		
	Compactness ratio	A <sub>env</sub> /V <sub>H;g</sub>	m <sup>-1</sup>	0.65	0.19	0.50	0.62	0.77		
	WWR – North orientation	WWR <sub>N</sub>	-	-	-	-	-	-		
팅	WWR – South orientation	WWR <sub>S</sub>	_	-	-	-	-	-		
8	WWR – East orientation	WWRE	_	-	-	-	_	-		
	WWR – West orientation	WWRw	_	-	-	-	_	-		
	Window to useful floor area ratio	A <sub>wi</sub> /A <sub>use</sub>	-	-	-	-	-	-		
	Roof type				-					
	<i>U</i> -value of the roof	U <sub>fl;up</sub>	W/(m <sup>2</sup> ·K)	-	-	-	-	-		
	External walls type				-					
PE	<i>U</i> -value of the wall	$U_{ m wl}$	W/(m <sup>2</sup> ·K)	-	-	-	-	-		
EE	Slab on ground floor type				-		ı			
ENVELOPE	<i>U</i> -value of the floor	U <sub>fl;lw</sub>	W/(m <sup>2</sup> ·K)	-	-	-	-	-		
	Windows type	,			-					
	<i>U</i> -value of the windows	U <sub>W</sub>	W/(m²⋅K)	-	-	-	-	-		
	Shading system type		-							
z	Occupancy density *	O <sub>C</sub> person/m <sup>2</sup> UNI EN 16798-1 - Table A.19								
GAINS and VENTILATION	Lighting power density *	W∟	W/m <sup>2</sup>							
NS S	Equipment power density *	W <sub>A</sub>	W/m²	·						
SAII	Type of ventilation	Natural: 100%								
0 8	Air exchange rate *	n h <sup>-1</sup> UNI EN 16798-1								
	Heating system type	Unknown: 46%, Autonomous: 40%, Centralized: 14%								
THERMAL SYSTEMS	Heating generator	Boiler (Unknown type): 52%, Traditional boiler: 15%; Condensing boiler: 23%, Air source heat pump: 4%, DHC: 3%, Unknown: 3%								
	Daily operating time of the heating system *	t <sub>H</sub>	h	14	-	14	14	14		
	Energy carrier	Natural gas: 86%, Electricity: 4%, Gas Oil: 4%, Solid biomass: 1%, LPG: 3%, Unknown: 1%, District heating: 1%								
	Heating emission sub-system	-								
<b>₽</b>	Cooling system type	Unknown: 76%, Air-cooled chiller: 22%, Water-cooled chiller: 2%								
HERM	Daily operating time of the cooling system *	t <sub>C</sub>	h	-	-	-	-	-		
	Cooling emission sub-system	-								
	DHW system type	Autonomous – coupled with heating: 59%, , Unknown: 19%, Autonomous – detached from heating: 12%, Centralized – coupled with heating: 7%, District heating: 3%								
	DHW generator	Natural gas boiler: 68%, Unknown: 19%, Electric heat pump: 7%, Electric boiler: 4%, Solar thermal: 2%								
	* These values were not available in the considered sources, and are thus derived from UNI EN Standards									



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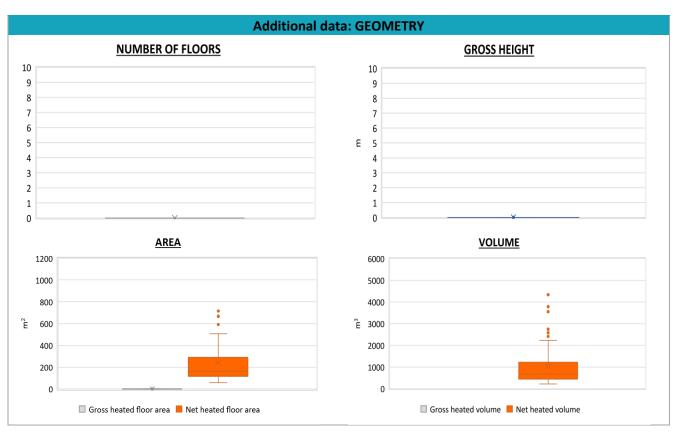
(c) (1) (a)

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.



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ADDITIONAL DATA									
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)	
THERMAL SYSTEMS	Heating efficiency or COP	η <sub>H;gen</sub> or <i>COP</i> H;gen	-	This value has to be retrieved from suitable datasheets					
	Total heating power	$P_{H;gen}$	kW	122	406	26	32	59	
	Cooling efficiency or EER	$\eta_{ extsf{C};gen}$ or $ extsf{\textit{EER}}_{ extsf{C};gen}$	-	This value has to be retrieved from suitable datasheets					
	Total cooling power	P <sub>C;gen</sub>	kW	84	218	9	17	27	
	Temperature of DHW	$artheta_{W}$	°C	40	-	40	40	40	
	DHW system power	$P_{ m W;gen}$	kW	-	-	-	-	-	





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