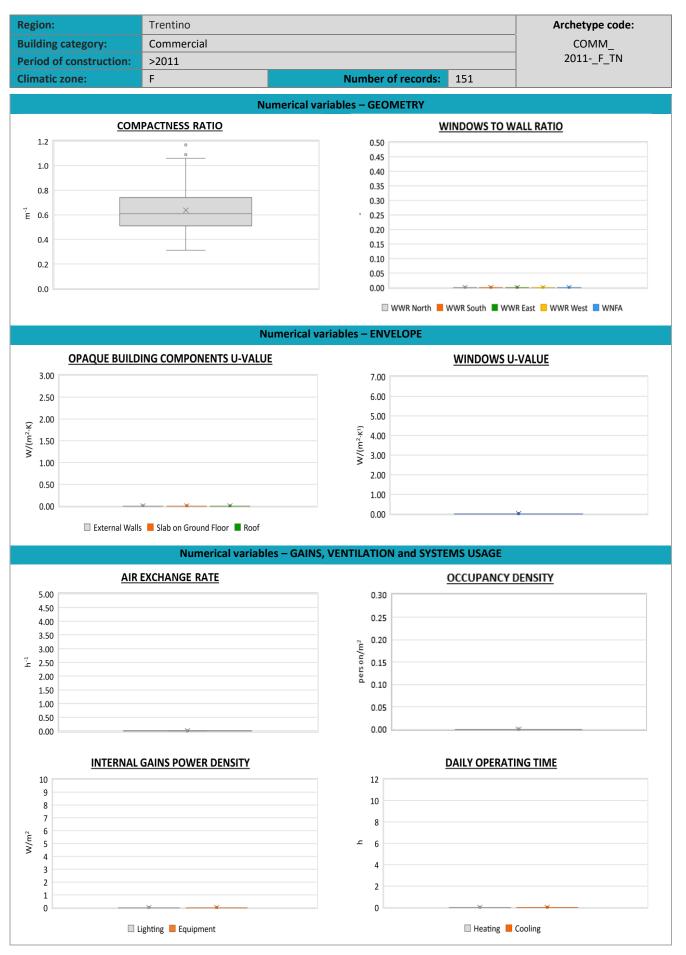


Region:		Trentino		Archetype code:							
Building category:		Commercia	I	COMM_							
Period of construction: >2011				2011-	_F_TN						
Climatic zone: F		Number of records: 151									
Description (the codes associated with wa		alls and slabs	refer to the stru			1552:2014):	Data s	ources:			
<u>External walls</u> : no data available <u>Roof slabs</u> : no data available		, , , , , , , , , , , , , , , , , , ,					EPC databases (100%)				
	Data		Symbol	Unit of	Mean	Standard	Q1 (first	Median	Q3 (third		
				measure	value	deviation	quartile)	value	quartile)		
	Number of floors		nf	-	-	-	-	-	-		
	Gross height		Hg	m	-	-	-	-	-		
	Footprint area		A _{footprint}	m ²	-	-	-	-	-		
ž	Heated gross floor area		A _{H;g}	m ²	-	-	-	-	-		
BUILDING GEOMETRY	Heated net floor area		A _{H;n}	m ²	357	441	99	154	453		
	Heated gross volume		V _{H;g}	m ³	-	-	-	-	-		
	Heated net volume		V _{H;n}	m ³	1699	2401	404	719	2004		
	Compactness ratio		A _{env} /V _{H;g}	m ⁻¹	0.64	0.18	0.51	0.61	0.74		
Ē	WWR – North c		WWR _N	-	-	-	-	-	-		
BU	WWR – South c		WWRs WWR _E	-	-	-	-	-	-		
		WR – East orientation		-	-	-	-	-	-		
	WWR – West o		WWR _W	-	-	-	-	-	-		
	Window to useful floor area ratio		A _{wi} /A _{use}	-	-	-	-	-	-		
	Roof type					-					
	U-value of the r		U _{fl;up}	W/(m²⋅K)	-	-	-	-	-		
ш	External walls t					-					
ENVELOPE	U-value of the v		U _{wl}	W/(m²⋅K)	-	-	-	-	-		
VEL	Slab on ground					-					
ĒN	U-value of the f	loor	U _{fl;lw}	W/(m²⋅K)	-	-	-	-	-		
	Windows type					-					
	U-value of the windows		Uw	W/(m²⋅K)	-	-	-	-	-		
	Shading system type					-					
7	Occupancy density *		0 _C WL	person/m ²	UNI EN 16798-1						
NOI		Lighting power density *		W/m ²		UNI EN 16798-1					
GAINS and VENTILATIOI	Equipment pow *	Equipment power density *		W/m²	<i>N</i> /m ² UNI EN 16798-1						
		Type of ventilation		Natural: 100%							
	Air exchange rate *		n h-1 UNI EN 16798-					8-1			
THERMAL SYSTEMS	Heating system type		Unknown 41%; Centralized: 33%; Autonomous: 26%								
		eating generator		Boiler (unknown type): 90%; Air-source heat pump: 9%; Fireplace: 1%;							
	Daily operating time of the heating system *		t _H h No limitation								
	Energy carrier	ergy carrier		Electricity: 75%; Electricity from PV, wind turbines, hydraulic turbines: 19%; District heating: 6%							
	Heating emission sub- system		-								
	Cooling system type		Unknown: 88%; Air-cooled chiller: 11%; Water-cooled chiller: 1%								
	Daily operating time of the cooling system *		t _C h No limitation								
	Cooling emission sub- system		-								
	DHW system ty	pe	Autonomous - detached from heating: 39%; Centralized – coupled with District heating: 6%				h heating: 28%; Unknown: 27%;				
	DHW generator	ator Natural gas boiler: 72%; Solar thermal: 26%; Electric Heat Pump: 2%									
	* These values were	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. Commercial buildings – 2010> – Zone F – Trentino 1





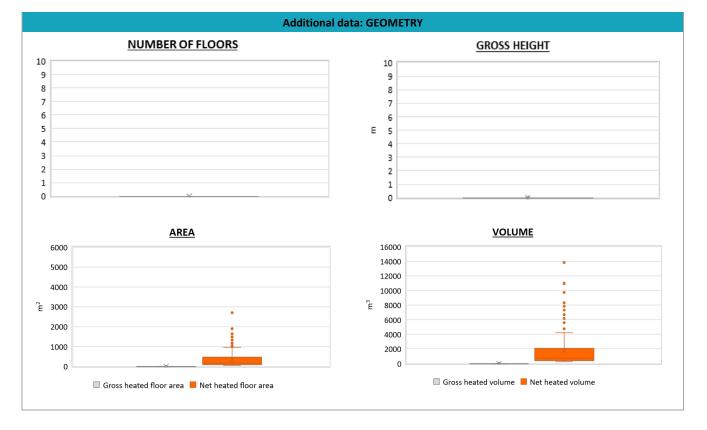
C) (1)

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. Commercial buildings - 2010> - Zone F - Trentino 2



Region:	Archetype code:				
Building category: Commercial			COMM_		
Period of construction:	>2011			2011F_TN	
Climatic zone:	F	Number of records:	151		

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	$\eta_{ m H;gen}$ or $COP_{ m H;gen}$	-	This value has to be retrieved from suitable datasheets					
	Total heating power	P _{H;gen}	kW	74	124	24	37	85	
	Cooling efficiency or EER	η _{C;gen} or EER _{C;gen}	-	This value has to be retrieved from suitable datasheets					
	Total cooling power	P _{C;gen}	kW	75	84	17	46	93	
	Temperature of DHW	ϑw	°C	-	-	-	-	-	
	DHW system power	P _{W;gen}	kW	45	57	9	26	60	





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. Commercial buildings – 2010> – Zone F – Trentino 3





