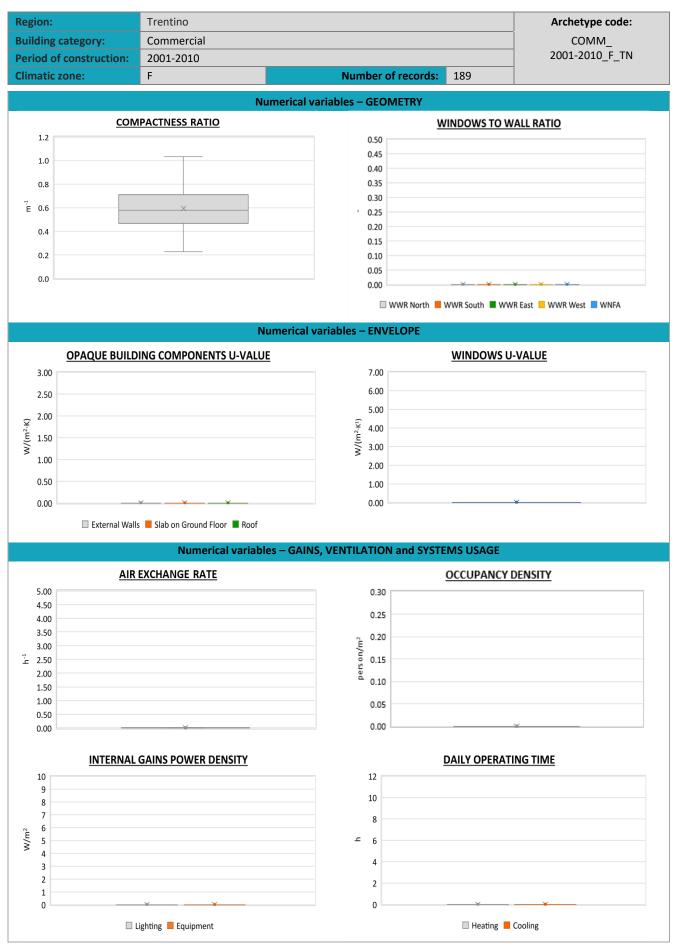


Region:		Trentino						Archetype code:			
Building category:		Commercia	l	COMM_							
		2001-2010	10						10_F_TN		
Climatic zone: F		Number of records: 189									
Description (the codes associated with wa		alls and slabs	refer to the stru	ctures describ	ed in UNI/TR 1	1552:2014):	Data se	ources:			
External walls: no data available							EPC databases (100%)				
Roof slabs: no data available											
	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	-	-	-	-	-		
≿	Heated gross floor area		A _{H;g}	m ²	-	-	-	-	-		
BUILDING GEOMETRY	Heated net floor area		A _{H;n}	m ²	274	407	72	139	207		
	Heated gross volume		V _{H;g}	m ³	-	-	-	-	-		
	Heated net volume		V _{H;n} A _{env} /V _{H;g}	m ³	1280	2733	293	570	854		
		Compactness ratio		m ⁻¹	0.59	0.17	0.46	0.58	0.76		
		WWR – North orientation		-	-	-	-	-	-		
		WWR – South orientation		-	-	-	-	-	-		
		<i>WWR</i> – East orientation <i>WWR</i> – West orientation		-	-	-	-	-	-		
	Window to use		WWR _w	-	-	-	-	-	-		
	area ratio		A _{wi} /A _{use}	-	-	-	-	-	-		
	Roof type			· ·		-					
	U-value of the r	oof	U _{fl;up}	W/(m²·K)	-	-	-	-	-		
	External walls t					-					
ΒE	U-value of the v	wall	U _{wl}	W/(m²·K)	-	-	-	-	-		
ENVELOPE	Slab on ground	floor type				-					
ENV	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					-					
_	Occupancy density *		Oc	person/m ²		UNI EN 16798-1					
noi'	Lighting power density *		WL	W/m ²		UNI EN 16798-1					
NS a	Equipment pow	ver density	WA	W/m ²		UNI EN 16798-1					
GAINS and VENTILATIOI	*										
		Type of ventilation		Natural: 100%							
	Air exchange rate * Heating system type		n h-1 UNI EN 16798-1								
THERMAL SYSTEMS	Heating system Heating genera		Unknown 49%; Autonomous: 26%; Centralized: 25% Boiler (unknown type): 99%; Air-source heat pump: 1%								
	Daily operating			во	iiiip. 1 <i>7</i> 6						
	heating system *		tн	h	on						
	Energy carrier										
	Heating emission	on sub-									
	system		-								
	Cooling system type		Unknown: 95%; Air-cooled chiller: 5%								
	Daily operating time of the cooling system *		t _C h No limitation								
	Cooling emissic system	in sub-	-								
	DHW system ty	ре	Unknown: 32%; Autonomous – coupled with heating: 29%; Autonomous - detached from heating: 22%; Centralized – coupled with heating: 15%; District heating: 2%								
	DHW generator	rator Natural gas boiler: 44%; Unknown 28%; Electric Heat Pump: 17%; Electric boiler: 11%									
	* These values were	e not available in	the considered	sources, and are t	hus derived fror	n UNI EN Standar	ds				



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 – 2001/2010 – 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 - 2001/2010 - Zone F - Trentino 2



Region: Trentino				Archetype code:
Building category:	Commercial	COMM_		
Period of construction:	2001-2010			2001-2010_F_TN
Climatic zone:	F	Number of records:	189	

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 _{H;gen} or COP _{H;gen}	-	This value has to be retrieved from suitable datasheets					
	Total heating power	P _{H;gen}	kW	85	182	24	32	83	
	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	26	52	13	5	67	
	Temperature of DHW	ϑ_{W}	°C	-	-	-	-	-	
	DHW system power	P _{W;gen}	kW	48	77	1.35	25	57	

