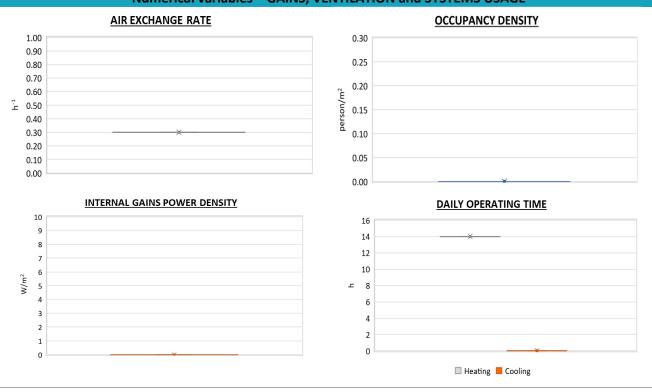


Region:		Trentino Alto Adige						Archetype code:		
Building category:		Residential b	uildings – Ap	partments (in i	nultifamil	y blocks)		RES_AP	RES_APPBLOCK_	
eriod d	of construction:	<1930						-1930	D_E_TN	
Climatic zone: E		Number of records: 4107								
escrip	tion (the codes asso	ciated with wall	s and slabs re	fer to the struct	ures descri	bed in UNI/TR	11552:2014):	Data sources:		
kterna	<u>l walls:</u> no data av i <u>bs</u> : no data availa	ailable						APE	(100%)	
	Data		Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (thire quartile	
	Number of floo	rs	nf	-	-	-	-	-	-	
	Gross height	Gross height		m	-	-	-	-	-	
	Footprint area		A _{footprint}	m²	-	-	-	-	-	
_	Heated gross floor area		A _{H;g}	m²	-	-	-	-	-	
TR	Heated net floor area		A _{H;n}	m²	830	953	370	483	737	
N	Heated gross volume		V _{H;g}	m ³	-	-	-	-	-	
360	Heated net volu		V _{H;n}	m ³	3631	4492	1557	2087	3259	
ğ	Compactness ratio		$A_{\rm env}/V_{\rm H;g}$	m ⁻¹	0.51	0.13	0.43	0.50	0.58	
	WWR – North orientation		WWR _N	-	-	-	-	-	-	
BUILDING GEOMETRY	WWR – South orientation		WWRs	-	-	-	-	-	-	
	WWR – East orientation		WWRE	-	-	-	-	-	-	
	WWR – West orientation		WWR _w	-	-	-	-	-	-	
	Window to useful floor area ratio		A _{wi} /A _{use}	-	-	-	-	-	-	
	Roof type					-				
	U-value of the r	oof	U _{fl;up}	W/(m²·K)	-	-	-	-	-	
	External walls ty	/ре				-		·		
Б	U-value of the v	vall	U _{wl}	W/(m²·K)	-	-	-	-	-	
	Slab on ground	floor type				-		·		
ENVELOPE	U-value of the f	loor	U _{fl;lw}	W/(m²·K)	-	-	-	-	-	
_	Windows type					-				
	U-value of the v	U-value of the windows		W/(m²⋅K)	-	-	-	-	-	
	Shading system	type	Uw			-				
7	Occupancy dens		Oc	person/m ²		ι	JNI EN 16798-1 -	Table A.19		
GAINS and VENTILATION		Lighting power density *		W/m ²		UNI EN 16798-1 - A.8.3				
	Equipment pow		WL WA	W/m ²			UNI EN 16798-			
	Type of ventilat	•		, ,		Natural:				
	Air exchange ra		n	h-1	0.30	0.00	0.30	0.30	0.30	
THERMAL SYSTEMS	Heating system		Autonomous: 54%, Centralized: 14%, Unknown: 32%							
	Heating generat		Traditional boiler: 14%; Air source heat pump: 3%, Condensing boiler: 9%, Boiler (unknown type): 68%, DHC: 1%, Unknown: 5%							
	Daily operating heating system		t _H	h	14	0	14	14	14	
	Energy carrier			Natural gas:	95%, Elect	ricity: 1%, Gas	Oil: 2%, Solid bio	mass: 1%, LPG: 1	L%	
	Heating emission sub-system		-							
	Cooling system	type	Air-cooled chiller: 2%, Unknown: 98%							
	Daily operating cooling system	*	tc	h	0	0	0	0	0	
	Cooling emissio	n sub-system								
	DHW system ty		Autonomous – coupled with heating: 59%, Autonomous - detached from heating: 9%, Centralized – coupled with heating: 11%, Unknown: 21%							
	DHW generator	nerator Natural gas boiler: 70%, Electric boiler: 2%, Electric Heat Pump: 7%, Unknown: 21%							vn: 21%	









Region:	gion: Trentino Alto Adige				
Building category:	Residential buildings – A	RES_APPBLOCK_ -1930_E_TN			
Period of construction:	<1930				
Climatic zone:	E	Number of records:	4107		

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	-	-	-	-	-
	Heated gross floor area	A _{H;g}	m²	-	-	-	-	-
	Heated net floor area	A _{H;n}	m²	89	38	63	78	102
	Heated gross volume	V _{H;g}	m ³	-	-	-	-	-
9 10	Heated net volume	V _{H;n}	m ³	370	168	260	323	428
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	34	77	24	25	29
	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	15	31	4	6	14
	Temperature of DHW	ϑw	°C	40	0	40	40	40
É	DHW system power *	P _{W;gen}	kW	34	77	24	25	29
	* These values refer to the apartment	scale						

* These values refer to the apartment scale

