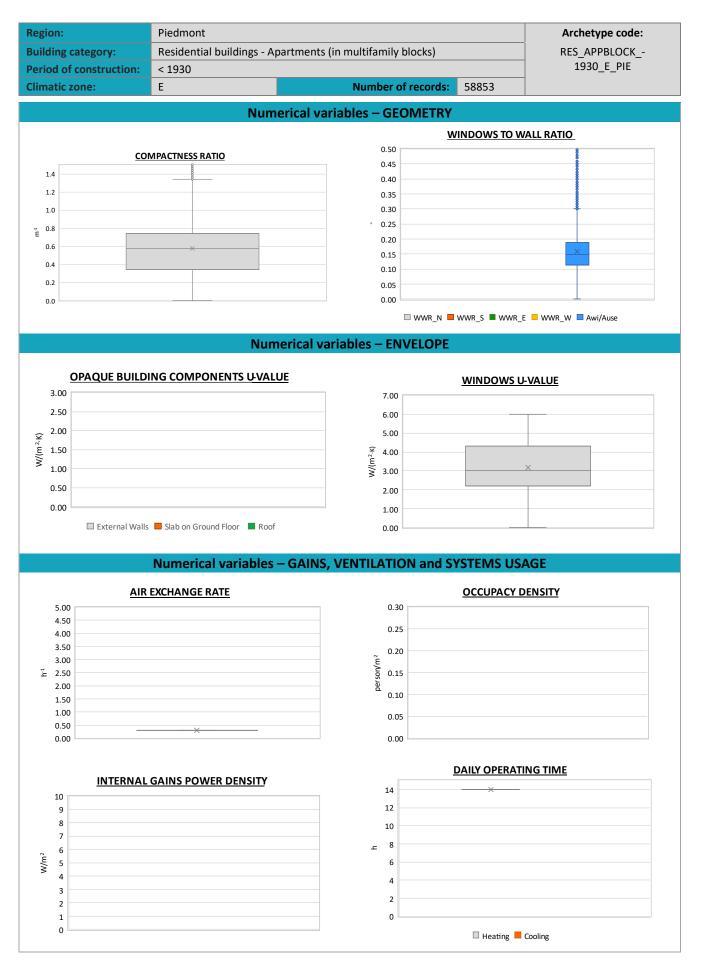


Region: Piedmon		Piedmont						Archetype code:			
Building category: Residential building category:		uildings - Ap	artments (in m	nultifamily	/ blocks)		RES_APPBLOCK				
Period of construction: < 1930							1930_E_PIE				
limatic	zone:	E			Number	of records:	58853				
escript	ion (the codes asso	ciated with walls	s and slabs re	fer to the struct	ures descri	bed in UNI/TR	11552:2014):	Data s	ources:		
xternal	walls: solid brick	masonry (cod.	MLP01).					EPC datab	ases (100%)		
oof sla	<u>bs</u> : concrete floor	slab (cod. SOL	06).								
	Data		Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (thir quartile		
	Number of floor	rs	nf	-	-	-	-	-	-		
	Gross height		Hg	m	-	-	-	-	-		
	Footprint area		A _{footprint}	m²	-	-	-	-	-		
~	Heated gross floor area		A _{H;g}	m²	-	-	-	-	-		
TR	Heated net floor area		A _{H;n}	m²	-	-	-	-	-		
BUILDING GEOMETRY	Heated gross volume		V _{H;g}	m ³	-	-	-	-	-		
360	Heated net volume		V _{H;n}	m ³	-	-	-	-	-		
<u></u>	Compactness ratio		$A_{\rm env}/V_{\rm H;g}$	m ⁻¹	0.58	0.41	0.34	0.57	0.74		
	WWR – North orientation		WWR _N	-	-	-	_	-	-		
5	WWR – South orientation		WWRs	_	-	-	-	-	-		
8	WWR – East orientation		WWRE	_	-	_	-	_	-		
	WWR – West orientation		WWRw		_	_	-		-		
	Window to usef										
	ratio		A _{wi} /A _{use}	-	0.16	0.19	0.11	0.15	0.19		
	Roof type				1	-	1		1		
	U-value of the roof		U _{fl;up}	W/(m²·K)	-	-	-	-	-		
	External walls type		Solid Brick masonry: 89%; Hollow brick masonry: 8%; Unknown: 3%								
H	U-value of the wall		U _{wl}	W/(m ² ·K)	-	-	-	-	-		
ENVELOPE	Slab on ground		- 111	,	I	-			1		
Ž	<i>U</i> -value of the floor		U _{fl;lw}	W/(m²·K)	-	-	-	_	-		
ш	Windows type		U II,IW	, (I	-					
	<i>U</i> -value of the windows		Uw	W/(m²·K)	3.19	1.24	2.22	3.03	4.31		
	Shading system type		0,0	W /(III K)	5.15	- 1.24	2.22	5.05	4.51		
			O _C								
NO	Occupancy density *		WL	W/m ²	UNI EN 16798-1 - Table A.19 UNI EN 16798-1 - A.8.3						
T		ghting power density * quipment power density *									
VENTILATIO			WA W/m² UNI EN 16798-1 - A.8.3 Natural: 100% Natural: 100%								
ΥĒ		Type of ventilation		h ⁻¹	0.20			0.20	0.20		
	Air exchange rat		n	11*	0.30	0.00	0.30	0.30	0.30		
THERMAL SYSTEMS	Heating system type Autonomous: 76%; Centralized: 24%										
	Heating generat					-					
	Daily operating heating system		t _H	h	14.00	0.00	14.00	14.00	14.00		
	Energy carrier		Natura	Gas: 80%: Flect	ricity: 7%·	District heating	: 5%: Solid hiom	ass: 4%: LPG: 2%	: Gas Oil: 2%		
	Heating emissio	n suh-system	······	Natural Gas: 80%; Electricity: 7%; District heating: 5%; Solid biomass: 4%; LPG: 2%; Gas Oil: 2%							
	-					-					
	Cooling system type Daily operating time of the					-					
	cooling system '		t _C	h	-	-	-	-	-		
	Cooling emission				1	-			1		
	DHW system typ		Autonomous, coupled with heating: 55%; Autonomous, detached from heating: 30%; Centralized, coupled with heating: 13%; Centralized, detached from heating: 2%								
	- / / 1			-							







Region:	egion: Piedmont				
Building category:	Residential buildings - A	RES_APPBLOCK			
Period of construction:	Period of construction: < 1930				
Climatic zone:	E	Number of records:	58853		

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	80.7	55.4	45.9	66.7	98.3
	Heated gross volume	V _{H;g}	m ³	342.3	246.2	192.7	279.0	413.5
0.0	Heated net volume	V _{H;n}	m ³	-	-	-	-	-
THERMAL SYSTEMS	Heating efficiency or COP	η _{H;gen} or COP _{H;gen}	-	This value has to be retrieved from suitable datasheets				tasheets
	Total heating power *	P _{H;gen}	kW	23.4	6.2	23.3	24.0	25.8
	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	6.0	5.6	3.0	4.0	6.5
	Temperature of DHW	ϑw	°C	40.0	0.0	40.0	40.0	40.0
۲, E	DHW system power *	P _{W;gen}	kW	19.4	9.9	17.0	24.0	24.6
	* These values refer to the apartment scale							

Additional data: GEOMETRY (the plots refer to the apartment scale)



Residential buildings – Apartments – < 1930 – Zone E – Piedmont



