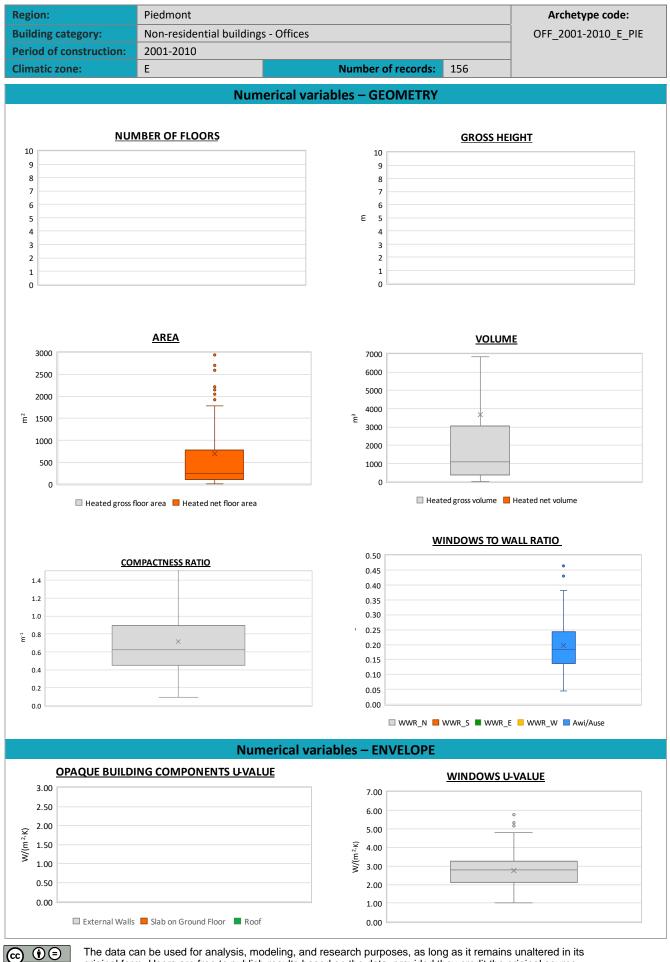


Region:	rion: Piedmont						Archetype code:			
Building	g category: Non-resid	dential buildings	- Offices				OFF 2001-2010 E PIE			
Period of construction: 2001-2010		10								
Climatio	zone: E			Number	of records:	156				
	tion (the codes associated with	walls and slabs re	fer to the struct				Data s	ources:		
<u>Externa</u> Roof sla	<u>I walls</u> : prefabricated insulat <u>ibs</u> : insulated reinforced con d. CIN03) or insulated wood	ed concrete wal crete floor slab	l (cod. MPF03) for walkable fl). at roof (co	d. COP03), fc			ases (100%)		
	Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)		
	Number of floors	nf	-	-	-	-	-	-		
	Gross height	Hg	m	-	-	-	-	-		
	Footprint area	A _{footprint}	m²	-	-	-	-	-		
	Heated gross floor area	A _{H;g}	m²	-	-	-	-	-		
ΓRΥ	Heated net floor area	A _{H;n}	m ²	695.4	1180.8	100.8	235.4	775.8		
Ξ	Heated gross volume	V _{H;g}	m ³	3685.4	7968.0	389.6	1079.6	3048.1		
EO	Heated net volume	V _{H;g}	m ³	-	-	-		-		
BUILDING GEOMETRY	Compactness ratio	A _{env} /V _{H;g}	m ⁻¹	0.71	0.38	0.45	0.63	0.89		
NIC	WWR – North orientation	WWR _N	-	-	-	-	-	-		
H	WWR – South orientation	WWRs	_	-	_	_	-			
8	WWR – East orientation	WWR _E	_	-	_	_	_			
	WWR – West orientation	WWR _w	-	-	-	-		-		
	Window to useful floor are		-	0.20	0.10	0.14	0.18	0.24		
	ratio									
	Roof type			1	-			1		
	U-value of the roof External walls type		Ufi;up W/(m²·K) - - - Prefabricated panels: 51%; Hollow brick masonry: 27%; Solid Brick masonry: 12%; Unknown: 7%;							
PE	U-value of the wall	U _{wl}	Сопстеtе wall: 3% Uwl W/(m²·К)							
EC		Uwi	VV/(III 'K)	-	-	-	-	-		
ENVELOPE	Slab on ground floor type U-value of the floor		\A///m ² K)		-					
		Ufl;Iw	W/(m²⋅K)	-	-	-	-	-		
	Windows type		14///	2.70	-	2.10	2 70	2.25		
	U-value of the windows	Uw	W/(m²⋅K)	2.76	0.88	2.10	2.79	3.25		
	Shading system type		-							
γZ	Occupancy density *	Oc	person/m ²							
GAINS and VENTILATIO	Lighting power density *	WL	W/m ²			UNI EN 16798-				
GAINS and ENTILATIOI	Equipment power density	* <i>W</i> _A	W/m ²			UNI EN 16798-	-1 - A.8.3			
A G	Type of ventilation		I		-			T		
~	Air exchange rate *	n	h-1	-	-	-	-	-		
	Heating system type		Autonomous: 100%							
	Heating generator				-					
THERMAL SYSTEMS	Daily operating time of the heating system *	e t _H	h	14.00	0.00	14.00	14.00	14.00		
	Energy carrier	Natural	Natural Gas: 81%; Electricity: 7%; Solid biomass: 5%; District heating: 2%; Gas Oil: 2%; LPG: 2%; Unknown: 1%							
	Heating emission sub-systemeters	em			-					
	Cooling system type				-					
	Daily operating time of the cooling system *	e t _c	h	-	-	-	-	-		
	Cooling emission sub-syste	em			-					
	DHW system type	Autonom	Autonomous, detached from heating: 39%; Autonomous, coupled with heating: 35%; Centralized, coupled with heating: 16%; Centralized, detached from heating: 10%							
	DHW generator		-							
	* These values are derived from L	INI EN ISO Standards								







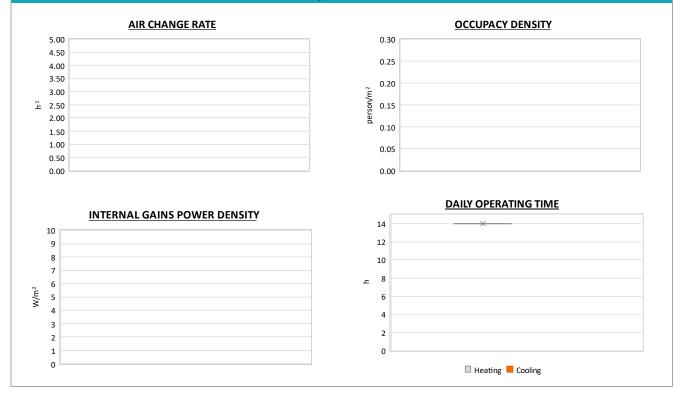
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Region:	Archetype code:			
Building category:	Building category: Non-residential buildings - Offices			
Period of construction:	Period of construction: 2001-2010			
Climatic zone:	E	Number of records:	156	

			ADDITIONA	L 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	96.6	154.9	24.0	32.8	108.4
	Cooling efficiency or EER	$\eta_{C;gen}$ or EER _{C;gen}	-	This value has to be retrieved from suitable datasheets				
	Total cooling power	P _{C;gen}	kW	80.0	100.3	10.3	37.5	120.5
	Temperature of DHW	ϑw	°C	40.0	0.0	40.0	40.0	40.0
	DHW system power	P _{W;gen}	kW	41.5	82.7	2.3	24.0	32.0

Numerical variables – GAINS, VENTILATION and SYSTEMS USAGE



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. Non-residential buildings – Offices – 2001-2010 - Zone E - Piedmont



