

Region: Piedmont					Archetype code:					
Building	g category: Residentia	l buildings - Sir	ngle family hou	ises			RES_SIN	RES_SINGLE_1991-		
Period o	of construction: 1991-2000)					 2000_E_PIE			
Climatio	c zone: E			Number	of records:	2379				
Descrip	tion (the codes associated with v	valls and slabs re	efer to the struct	ures descri	bed in UNI/TR	11552:2014):	Data s	sources:		
•	I walls: hollow brick masonry					,	EPC datab	ases (100%)		
	abs: insulated reinforced conci		-		od. COP03), fo	or pitched		. ,		
	d. CIN03) or insulated woode									
	Data	Sumhal	Unit of	Maan	Ctondord	O1 (first	Madian	02 (third		
	Data	Symbol	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	-	-	-	-	-		
TR	Heated net floor area	A _{H;n}	m²	153.9	71.7	106.0	140.0	189.0		
μ	Heated gross volume	V _{H;g}	m ³	586.1	281.4	402.0	529.0	708.8		
GEC	Heated net volume	V _{H;n}	m ³	-	-	-	-	-		
Ū,	Compactness ratio	A _{env} /V _{H;g}	m ⁻¹	0.74	0.21	0.62	0.74	0.87		
BUILDING GEOMETRY	WWR – North orientation	WWR _N	-	-	-	-	-	-		
Ĩ	WWR – South orientation	WWRs	-	-	-	-	-	-		
	WWR – East orientation	WWRE	-	-	-	-	-	-		
	WWR – West orientation	WWRw	-	-	-	-	-	-		
	Window to useful floor area	1 . / .		0.16	0.06	0.12	0.15	0.19		
	ratio	A _{wi} /A _{use}	-	0.16	0.06	0.12	0.15	0.18		
	Roof type				-					
DE	U-value of the roof	U _{fl;up}	W/(m²·K)	-	-	-	-	-		
	External walls type	Hollow	brick masonry:	68%; Solid	Brick masonry:	27%; Unknown	: 4%; Prefabricat	ed panels: 1%		
	U-value of the wall	U _{wl}	W/(m²·K)	-	-	-	-	-		
ENVELOPE	Slab on ground floor type				-					
L N	U-value of the floor	U _{fl;lw}	W/(m²·K)	-	-	-	-	-		
	Windows type				-			·		
	U-value of the windows	Uw	W/(m ² ·K)	2.44	0.82	1.84	2.58	2.96		
	Shading system type				-					
z	Occupancy density *	Oc	person/m ²	person/m ² UNI EN 16798-1 - Table A.19						
NOI	Lighting power density *	WL	W/m ²	UNI EN 16798-1 - A.8.3						
GAINS an VENTILATIC	Equipment power density *	WA	W/m ²	UNI EN 16798-1 - A.8.3						
	Type of ventilation		Natural: 100%							
	Air exchange rate *	n	h-1	0.30	0.00	0.30	0.30	0.30		
	Heating system type		1	1	Autonomo	1	1	1		
	Heating system type -									
	Daily operating time of the		,	44.00	0.00	44.00	44.00	44.00		
	heating system *	t _H	h	14.00	0.00	14.00	14.00	14.00		
WS	Energy carrier	Natura	Natural Gas: 85%; Electricity: 6%; Solid biomass: 3%; LPG: 2%; District heating: 2%; Gas Oil: 2%							
STE	Heating emission sub-system	n								
THERMAL SYSTEMS	Cooling system type									
	Daily operating time of the	+	h							
	cooling system *	t _C	h	-	-	-	-	-		
	Cooling emission sub-syster	n	-							
	DHW system type	Autonom	Autonomous, coupled with heating: 86%; Autonomous, detached from heating: 11%; Centralized, coupled with heating: 3%							
	DHW generator		-							
	-	EN ISO 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. Residential buildings - Single family houses - 1991-2000 - Zone E - Piedmont





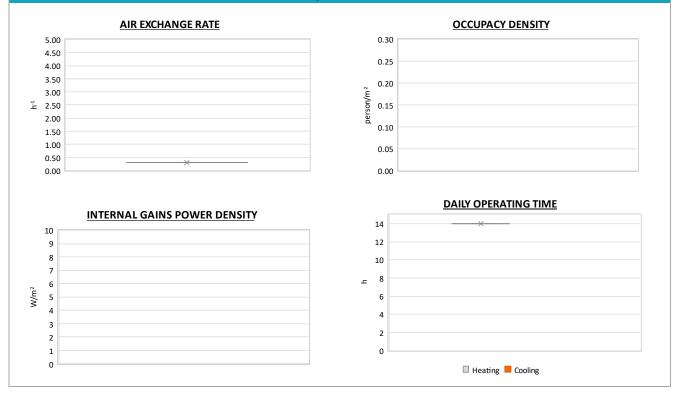
 $\fbox{0}$



Region:	Archetype code:			
Building category:	RES_SINGLE_1991-			
Period of construction:	2000_E_PIE			
Climatic zone:	E	Number of records:	2379	

ADDITIONAL DATA									
Data	Symbol	Unit of measure	Mean value	Standard deviation	Q1 (first quartile)	Median value	Q3 (third quartile)		
Heating efficiency or	$COP \qquad \qquad \begin{array}{c} \eta_{\rm H;gen} \text{ or} \\ COP_{\rm H;gen} \end{array}$	-	This value has to be retrieved from suitable datasheets						
Total heating power	P _{H;gen}	kW	28.2	23.4	24.0	26.6	30.3		
Cooling efficiency or I	EER $\eta_{C;gen}$ or $EER_{C;gen}$	-	This value has to be retrieved from suitable datasheets						
Total cooling power	P _{C;gen}	kW	6.3	8.7	3.5	5.0	7.0		
Temperature of DHW	් එ _w	°C	40.0	0.0	40.0	40.0	40.0		
DHW system power	P _{W;gen}	kW	27.4	63.0	24.0	26.1	30.0		

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. *Residential buildings – Single family houses – 1991-2000 – Zone E – Piedmont*



