

Region:		Tuscany						Archetype code:		
Building category:		Entire multi-family block						RES_APPBLOCK_		
		1961-1970						1961-197	0_D_TUS	
		D			Number	of records:	35			
<u>External</u>	t ion (the codes asso <u>walls</u> : plaster (2 <u>bs</u> : reinforced brid	cm) - hollow b	rick (25 cm)	- plaster (2 cr	n) (cod. MLP	03).		Visual inspe National dat Standar	ources: ection (39%) tabase (15%) ds (15%) (31%) #	
	Data		Symbol	Unit of	Mean	Standard	Q1 (first	Median	Q3 (third	
	Number of floor			measure	value	deviation	quartile)	value	quartile)	
	Number of floor	rs	n _f	-	2.84	0.80	2.00	3.00	3.00	
	Gross height		Hg	m	9.65	2.69	6.90	10.20	10.20	
	Footprint area		A _{footprint}	m ²	356.28	155.40	219.35	363.00	438.95	
Ϋ́	Heated gross floor area		A _{H;g}	m ²	944.59	467.12	582.78	742.64	1317.66	
5	Heated net floor area		A _{H;n}	m ²	834.67	412.22	515.44	656.83	1165.40	
No.	Heated gross volume		V _{H;g}	m ³	3204.48	1575.99	1981.45	2562.11	4512.77	
GE	Heated net volume		V _{H;n}	m ³	2496.67	1244.78	1546.32	1970.48	3496.21	
N	Compactness ratio		A _{env} /V _{H;g}	m ⁻¹	0.59	0.08	0.56	0.61	0.65	
BUILDING GEOMETRY	WWR – North orientation		WWR _N	-	0.15	0.08	0.09	0.13	0.20	
BU	WWR – South o	rientation	WWRs	-	0.14	0.08	0.09	0.14	0.18	
	WWR – East orientation		WWR _E	-	0.18	0.08	0.14	0.18	0.24	
	WWR – West orientation		WWR _w	-	0.18	0.08	0.12	0.18	0.23	
	ratio	Window to useful floor area atio		-	0.20	0.04	0.17	0.19	0.22	
	Roof type				Reinford	ced brick-concr	ete slab: 100%.			
	U-value of the r	oof	U _{fl;up}	W/(m²⋅K)	1.51	0.02	1.50	1.50	1.50	
ų	External walls ty	· ·	Hollow brick masonry: 63%; Hollow brick masonry, low insulation: 34%; Hollow brick masonry, h insulation: 3%.							
P	U-value of the wall		U _{wl} W/(m ² ·K) 1.16 0.16 1.17					1.18	1.18	
ENVELOPE	Slab on ground		Reinforced brick-concrete slab: 100%.							
Ē	U-value of the f	loor	U _{fl;lw}	W/(m²·K)	1.51	0.12	1.58	1.58	1.58	
		Windows type		Unknown: 100%						
	U-value of the windows		U _W W/(m ² ·K)						-	
	Shading system		Roller blinds: 100%.							
πZ	Occupancy density *		Oc	person/m ²						
GAINS and VENTILATION	Lighting power	Lighting power density		W/m ²						
	<u> </u>	Equipment power density *		WA W/m² UNI EN 16798-1 - A.8.3						
EN'	Type of ventilation					Natural: 10	00%			
>	Air exchange ra	te *	n	h⁻¹	0.30	0.00	0.30	0.30	0.30	
	Heating system	type	Autonomous: 86%; Centralized: 11%; Unknown: 3%.							
		Heating generator Boiler (unknown type): 97%; Unknown: 3%.								
	Daily operating		tн	h	12.00	0.00	12.00	12.00	12.00	
	heating system	*								
٨S	Energy carrier		Natural gas: 100%.							
THERMAL SYSTEMS	Heating emission system	Unknown: 100%								
	Cooling system type		Unknown: 64%; Air-cooled chiller: 24%; Absent: 12%.							
	Daily operating cooling system	time of the	tc	h	12.00	0.00	12.00	12.00	12.00	
	Cooling emissio system	n sub-	Multisplit: 100%							
	DHW system type Autonomous, coupled with heating: 86%; Autonomous, detached from heatin							m heating: 11%;	Unknown: 3%.	
	DHW generator Natural gas boiler: 86%; Unknown: 14%.									
	DHW generator				Natural g	as boiler: 86%	Unknown: 14%	6.		



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 – Apartment blocks – 1961/1970 – Zone D – Tuscany





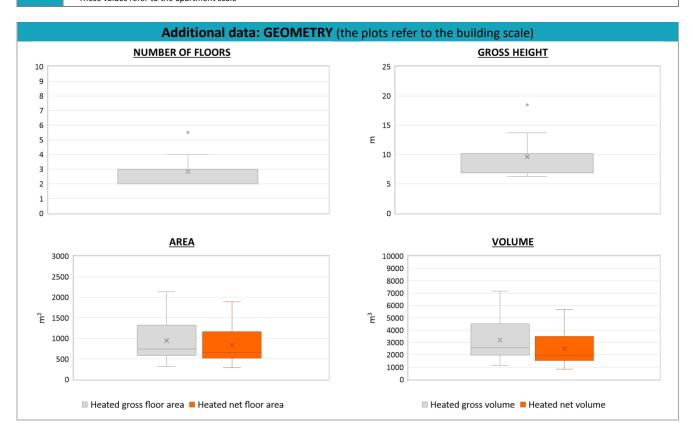
(c) (1)

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Period of construction:	1961-1970	1961-1970_D_TUS		
Climatic zone:	D	Number of records:	35	

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	-	-	-	-	-
	Heated gross volume	V _{H;g}	m ³	-	-	-	-	-
9 U U	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				
	Total heating power *	P _{H;gen}	kW	-	-	-	-	-
	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	-	-	-	-	-
	Temperature of DHW	θ_{W}	°C	40.00	0.00	40.00	40.00	40.00
Ę	DHW system power *	P _{W;gen}	kW	-	-	-	-	-
	* These values refer to the apartment scale							





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