

Structure of the Building template

Nb	Name	Type	Module	Definition / Unit
B01	ObjectID	T		
B02	Address	T		Adress of a building specifying names of the road and number, city, country
B03	ZipCode	T		
B04	Block	T		
B05	Zone	T		
B06	FootprintArea	D		
B07	BuildingType	T		
B08	Ownership	T		
B09	AmountOfUnits	I		
B10	Function	T		
B11	BuildingYear	I		Date when the building construction ended (YYYY)
B12	AverageHeight	D		Expressed in meter
B13	Levels	D		Number of complete storeys of the building
B14	BuildingStyle	T		
B15	RoofMaterial	T		
B16	WindowOverallRatio	D		Percentage of glazing for each façade of the considered building. Expressed in decimal. "1" means 100% and "0.1" means 10%
B17	EPCScore	D		
B18	HeatingSystem	T	D	Possible values: "Collective", "Individual"
B19	GlazingType	T		
B20	VentilationType	T		
B21	WallU	D	D	W/m ² K
B22	WindowU	D	D	W/m ² K
B23	RoofU	D	D	W/m ² K
B24	Occupants	I		
B25	HeatedFloorArea	D		
B26	RentPerMonth	D	A	Typical rent per month, [EUR/month]
B27	Permeability	T		
B28	Accessibility	T		
B29	NoOfPeopleInHousehold	I	A	No. of people in a typical household, [-] (<i>not needed if</i>

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				<i>consumptions for household electricity and hot water use are entered manually)</i>
B30	DwellingSize	D	A	Floor area of typical dwelling (not needed if consumptions for household electricity is entered manually), [m ²]
B31	ElectricityPaidSeparately	B	A	Whether household electricity is paid for separately in addition to the monthly rent (i.e. not included in the rent), Possible values: Yes/No
B32	HotWaterPaidSeparately	B	A	Whether domestic hot water is paid for separately in addition to the monthly rent (i.e. not included in the rent), Possible values: Yes/No
B33	CoolingPaidSeparately	B	A	Whether cooling is paid for separately in addition to the monthly rent (i.e. not included in the rent), Possible values: Yes/No
B34	SpaceHeatingPaidSeparately	B	A	Whether space heating is paid for separately in addition to the monthly rent (i.e. not included in the rent), Possible values: Yes/No
B35	FixedCostForElectricity	D	L	Yearly fixed cost for electricity, [k€/year]
B36	ElectricityConsumption	D	L	Building's yearly electricity consumption (from energy calculation module), [kWh/year]
B37	ElectricityProduction	D	L	Building's yearly electricity production (from energy calculation module), [kWh/year]
B38	ElectricityCalculationChoice	T	A	Choice of how household electricity should be entered. Alternatives: No, enter manually/Yes, energy efficient white goods, appliances and lights are used/Yes, conventional

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				<p>appliances are used (manually mean that consumption needs to be entered in “HouseholdElectricityConsumption” field, for the other two alternatives typical consumptions are calculated)</p> <p><i>Required if household electricity is payed for separately</i></p>
B39	HouseholdHotWaterCalculationChoice	T	A	<p>Choice of how domestic hot water should be entered. Alternatives: No, enter manually/Yes, water saving/energy efficient taps are used/Yes, conventional taps are used (manually mean that consumption needs to be entered in “HouseholdHotWaterEnergyConsumption” field, for the other two alternatives typical consumptions are calculated)</p> <p><i>Required if domestic hot water is payed for separately</i></p>
B40	HouseholdHotWaterEnergyConsumption	D	A	<p><i>A typical household’s annual domestic hot water consumption, [m³/year]</i></p> <p><i>Required if domestic hot water is payed for separately and manual alternative is chosen.</i></p>
B41	HouseholdHotWaterEnergyPrice	D	A	<p>Energy price for domestic hot water, [EUR/m³]</p> <p><i>Required if domestic hot water is payed for separately</i></p>
B42	HouseholdCoolingEnergyConsumption	D	A	<p>If payed for separately, energy consumption for cooling for a typical household could be entered manually, [kWh/year]</p>

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B43	HouseholdCoolingEnergyConsumptionPSqM	D	A	If payed for separately, and not manually entered, energy consumption for cooling per floor area for the building in question should be requested from energy calculation module, [kWh/year/m ²]
B44	HouseholdCoolingEnergyPrice	D	A	Energy price for cooling, [EUR/kWh] <i>Required if cooling is payed for separately</i>
B45	HouseholdSpaceHeatingEnergyConsumption	D	A	If payed for separately, energy consumption for space heating for a typical household could be entered manually, [kWh/year]
B46	HouseholdSpaceHeatingEnergyConsumptionPSqM	D	A	If payed for separately, and not manually entered, energy consumption for space heating per floor area for the building in question should be requested from energy calculation module, [kWh/year/m ²]
B47	HouseholdSpaceHeatingEnergyPrice	D	A	Energy price for space heating, [EUR/kWh] <i>Required if space heating is payed for separately</i>
B48	HouseholdElectricityConsumption	D	A	A typical household's annual household electricity, [kWh/year]. <i>Required if household electricity is payed for separately and manual alternative is chosen.</i>
B49	HouseHoldElectricityPrice	D	A	Energy price for household electricity, [EUR/kWh] <i>Required if household electricity is payed for separately</i>
B50	FixedCostDistrictHeating	D	L	Yearly fixed cost for district heating, [k€/year]
B51	DistrictHeatingConsumption	D	L	Building's yearly district heating consumption (from energy calculation module), [kWh/year]

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B52	FixedCostForNaturalGas	D	L	Yearly fixed cost for natural gas, [k€/year]
B53	NaturalGasConsumption	D	L	Building's yearly natural gas consumption (from energy calculation module), [kWh/year]
B54	FixedCostForOtherFuel	D	L	Yearly fixed cost for other fuels, [k€/year]
B55	OtherFuelConsumption	D	L	Building's yearly consumption for other fuels (from energy calculation module), [kWh/year]
B56	OperatingAndMaintenanceCosts	D	L	Yearly operating and maintenance costs, [k€/year]
B57	BuildingHeatingSystemLifeOfProduct	D	L	Lifespan of district heating substations, [years]
B58	BuildingHeatingSystemHeatSourceInitialInvestment	D	L	Initial investment cost of district heating substations, [€]
B59	BuildingHeatingSystemHeatSourceInstallationCost	D	L	Installation cost (including possible cost of delivery) of district heating substations, [€]
B60	BuildingSystemHeatPumpLifeOfProduct	D	L	Lifespan of heat pump, [years]
B61	BuildingSystemHeatPumpInitialInvestment	D	L	Initial investment cost of heat pump, [€]
B62	BuildingSystemHeatPumpInstallationCost	D	L	Installation cost (including possible cost of delivery) of heat pump, [€]
B63	BuildingSystemBoreHoleLifeOfProduct	D	L	Lifespan of bore hole, [years] (if geothermal heat pump is installed)
B64	BuildingSystemBoreHoleInitialInvestment	D	L	Initial investment cost of bore hole, [€] (if geothermal heat pump is installed)
B65	BuildingSystemBoreHoleInstallationCost	D	L	Installation cost (including possible cost of delivery) of bore hole, [€] (if geothermal heat pump is installed)
B66	HeatingCirculationPumpSystemLifeTime	D	L	Lifespan of circulation pumps, [years]
B67	HeatingCirculationPumpSystemInvestmentCost	D	L	Initial investment cost of circulation pumps, [€]
B68	HeatingCirculationPumpSystemInstallationCost	D	L	Installation cost (including

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				possible cost of delivery) of circulation pumps, [€]
B69	BuildingShellInsulationMaterial1LifeOfProduct	D	L	Lifespan of insulation material on attic/roof, [years]
B70	BuildingShellInsulationMaterial1InitialInvestement	D	L	Initial investment cost of insulation material on attic/roof, [€]
B71	BuildingShellInsulationMaterial1InstallationCost	D	L	Installation cost (including possible cost of delivery) of insulation material on attic/roof, [€]
B72	BuildingShellInsulationMaterial2LifeOfProduct	D	L	Lifespan of insulation material on wall, [years]
B73	BuildingShellInsulationMaterial2InitialInvestement	D	L	Initial investment cost of insulation material on wall, [€]
B74	BuildingShellInsulationMaterial2InstallationCost	D	L	Installation cost (including possible cost of delivery) of insulation material on wall, [€]
B75	BuildingShellFacadeSystemLifeTime	D	L	Lifespan of "system", [years]
B76	BuildingShellFacadeSystemInvestmentCost	D	L	Initial investment cost of "system", [€]
B77	BuildingShellFacadeSystemInstallationCost	D	L	Installation cost (including possible cost of delivery) of "system", [€]
B78	BuildingShellWindowsLifeOfProduct	D	L	Lifespan of windows, [years]
B79	BuildingShellWindowsInitialInvestement	D	L	Initial investment cost of windows, [€]
B80	BuildingShellWindowsInstallationCost	D	L	L, Installation cost (including possible cost of delivery) of windows, [€]
B81	Building_ShellDoorsSystemLifeTime	D	L	Lifespan of doors, [years]
B82	BuildingShellDoorsSystemInvestmentCost	D	L	L, Initial investment cost of doors, [€]
B83	BuildingShellDoorSystemInstallationCost	D	L	Installation cost (including possible cost of delivery) of doors, [€]
B84	VentilationSystemLifeOfVentilationDucts	D	L	Lifespan of ventilation ducts, [years]
B85	VentilationSystemInitialInvestementDucts	D	L	Initial investment cost of ventilation ducts, [€]
B86	VentilationSystemInstallationCostDucts	D	L	Installation cost (including possible cost of delivery) of ventilation ducts, [€]

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B87	VentilationSystemLifeOfAirflowAssembly	D	L	Lifespan of ventilation airflow assembly, [years]
B88	VentilationSystemInitialInvestementAirflowAssembly	D	L	Initial investment cost of ventilation airflow assembly, [€]
B89	VentilationSystemInstallationCostAirflowAssembly	D	L	Installation cost (including possible cost of delivery) of ventilation airflow assembly, [€]
B90	VentilationSystemDistributionHousingsLifeTime	D	L	Lifespan of ventilation air distribution housings, [years]
B91	VentilationSystemDistributionHousingsInvestmentCost	D	L	Initial investment cost of ventilation air distribution housings, [€]
B92	VentilationSystemDistributionHousingsInstallationCost	D	L	Installation cost (including possible cost of delivery) of ventilation air distribution housings, [€]
B93	BuildingRadiatorsLifeOfProduct	D	L	Lifespan of radiators, [years]
B94	BuildingRadiatorsInitialInvestement	D	L	Initial investment cost of radiators, [€]
B95	BuildingRadiatorsInstallationCost	D	L	Installation cost (including possible cost of delivery) of radiators, [€]
B96	WaterTapsLifeOfProduct	D	L	Lifespan of water taps, [years]
B97	WaterTapsInitialInvestement	D	L	Initial investment cost of water taps, [€]
B98	WaterTapsInstallationCost	D	L	Installation cost (including possible cost of delivery) of water taps, [€]
B99	PipingSystemsCopperLifeOfProduct	D	L	L, Lifespan of piping system with copper, [years]
B100	PipingSystemsCopperInitialInvestement	D	L	Initial investment cost of piping system with copper, [€]
B101	PipingSystemsCopperInstallationCost	D	L	Installation cost (including possible cost of delivery) of piping system with copper, [€]
B102	PipingSystemsPEXLifeTime	D	L	Lifespan of piping system with PEX (plastic of cross-linked polyethylene), [years]
B103	PipingSystemsPEXInvestmentCost	D	L	Initial investment cost of piping system with PEX

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				(plastic of cross-linked polyethylene), [€]
B104	PipingSystemsPEXInstallationCost	D	L	Installation cost (including possible cost of delivery) of piping system with PEX (plastic of cross-linked polyethylene), [€]
B105	PipingSystemsPPLifeTime	D	L	Lifespan of piping system with PP (plastic of polypropylene), [years]
B106	PipingSystemsPPInvestmentCost	D	L	Initial investment cost of piping system with PP (plastic of polypropylene), [€]
B107	PipingSystemsPPInstallationCost	D	L	Installation cost (including possible cost of delivery) of piping system with PP (plastic of polypropylene), [€]
B108	PipingSystemsCastIronLifeTime	D	L	Lifespan of piping system with cast iron, [years]
B109	PipingSystemsCastIronInvestmentCost	D	L	Initial investment cost of piping system with cast iron, [€]
B110	PipingSystemsCastIronInstallationCost	D	L	Installation cost (including possible cost of delivery) of piping system with cast iron, [€]
B111	PipingSystemsGalvanisedSteelLifeTime	D	L	Lifespan of piping system with galvanised steel, [years]
B112	PipingSystemsGalvanisedSteelInvestmentCost	D	L	Initial investment cost of piping system with galvanised steel, [€]
B113	PipingSystemsGalvanisedSteelInstallationCost	D	L	Installation cost (including possible cost of delivery) of piping system with galvanised steel, [€]
B114	PipingSystemsReliningLifeTime	D	L	Lifespan of relining of piping system, [years]
B115	PipingSystemsReliningInvestmentCost	D	L	Initial investment cost of relining of piping system, [€]
B116	PipingSystemsReliningInstallationCost	D	L	Installation cost (including possible cost of delivery) of relining of piping system, [€]
B117	ElectricalWiringLifeTime	D	L	Lifespan of electrical wiring,

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				[years]
B118	ElectricalWiringInvestmentCost	D	L	Initial investment cost of electrical wiring, [€]
B119	ElectricalWiringInstallationCost	D	L	Installation cost (including possible cost of delivery) of electrical wiring, [€]
B120	EnergyProductionLifeOfProduct	D	L	Lifespan of energy production (e.g. photovoltaic system), [years]
B121	EnergyProductionInitialInvestement	D	L	Initial investment cost of energy production (e.g. photovoltaic system), [€]
B122	EnergyProductionInstallationCost	D	L	Installation cost (including possible cost of delivery) of energy production (e.g. photovoltaic system), [€]
B123	BuildingCondBoilerLifeOfProduct	D	L	Lifespan of condensing boiler, [years]
B124	BuildingCondBoilerInitialInvestement	D	L	Initial investment cost of condensing boiler, [€]
B125	BuildingCondBoilerInstallationCost	D	L	Installation cost (including possible cost of delivery) of condensing boiler, [€]
B126	Lod0Footprint	G	L	GIS description og the footprint (KMZ)
B127	RentIncomes	D	L	Yearly rental income that the housing owner receives from the tenants, [k€ per year], (used to calculate years to payback)