

Energy calculator

Data

City:	San nicandro garganico
Surface of the living place:	58
Construction year of the living place:	1980 - 1999
Disposition of the living place:	Terraced
Number of rooms:	3
Number of inhabitants:	5
...of whom are children:	1

Equipment

Electric water heater	1248 kWh/year	30%
Electric induction cooker	780 kWh/year	19%
Fridge	507 kWh/year	12%
Air conditioning (refrigeration)	315 kWh/year	7%
Dishwasher	263,64 kWh/year	6%
Television	260 kWh/year	6%
Washing machine	172,9 kWh/year	4%
Oven	124,8 kWh/year	3%
Microwave	83,2 kWh/year	2%
Hair dryer	80,08 kWh/year	2%
Extractor hood	78 kWh/year	2%
Computer	74,88 kWh/year	2%
Lighting (7 u.)	72,28 kWh/year	2%
Mixer	62,4 kWh/year	1%
Iron	62,4 kWh/year	1%
Coffee maker	15,6 kWh/year	< 1%
Video game console	7,28 kWh/year	< 1%

Result

Annual energy consumption: 4207 kWh

Average consumption of a home like yours: 2601 kWh

Optimal contracted power for your home: 5,00 kW

Tips

General

- Manage consumptions to be able to lower contracted power, you will have a considerable economic saving.

Lighting

- By replacing conventional lighting with LED lighting you can save up to 70% on the electricity consumption corresponding to the lighting of the house.
- Maximize the use of natural lighting. Turn on artificial lighting when the light level falls from natural lighting.

Fridge

- Replacing the current refrigerator for an efficient refrigerator can save up to 40% in the electricity consumption corresponding to the refrigerator. By replacing the current refrigerator (507 kWh/year) with an A+++ class you could save up to 40,67 €/year
- Separate the refrigerator a minimum of 5 cm from the wall to facilitate ventilation.
- Check the tightness of the joints so that there is no cold loss, do not let the cold enter your home.
- The ideal temperature of the refrigerator is between 3 and 5°C.
- The ideal freezer temperature is -18°C.
- If you don't have an integrated thermometer in the fridge and freezer you can buy an external one from the hardware store and control the temperature in this way.
- Regularly remove ice accumulations from the freezer. If a half finger of ice forms in the refrigerator, it consumes twice.
- Avoid keeping the door open for long, think what you want before opening the fridge.

Washing machine

- Cold wash as standard and use hot wash only when strictly necessary.
- Minimize the number of services maximizing the capacity of the washing machine.

Dishwasher

- By replacing the current dishwasher for an efficient dishwasher you can save up to 40% on the electricity consumption of the dishwasher.
- Use the 50° eco program as a general rule and wash at a higher temperature only when strictly necessary.
- Minimize the number of services making the most of the capacity of the dishwasher.

Air conditioning

- Set as setpoint temperatures 21°C in winter and 26°C in summer. This will allow you to optimize the use of air conditioning.
- Turn off air conditioning equipment when we are not at home. Don't consume power when you're not at home.
- Close windows when the air conditioning is on, both in hot and cold months.
- Check the building enclosures (doors and windows) to avoid air infiltration, with the installation of weatherstrip for the insulation of windows.
- Ventilate once a day and with standing air conditioning systems.
- Do not cover the heaters, this will allow you to maximize the heat emission.

Stand by

- Install a meter to detect stand-by consumption.
- Eliminate stand-by consumption, especially at night and when we're not at home.

Oven

- If you have to buy an oven it is important that it has an energy label A.
- Use the oven for cooking, not for defrosting or heating food.
- Take advantage of the residual heat accumulated in the oven by turning it off 10 minutes before the cooking is finished.