

ENERGY SAVING MEASURES

Buildings represent approximately 40% of the European Union's Energy Consumption. EPEE members are actively seeking to increase the energy efficiency of their appliances. EPEE's members adhere to the 'Trias Energetica Principle' of decreasing energy demand, increasing Renewable Energy Sources and increasing energy efficiency. Below is an overview of what you can do yourself to cut your energy bills and help the environment:



Daily use habits

- If you use an air-conditioning system, especially during the summer, keep all your windows and doors closed. If you do open windows for ventilation, it is better to fully open your windows for at least 15 minutes, than keeping them slightly open the whole day.
- Ensure that you place your refrigerator and freezer in a cool and well-ventilated location.
- Set your thermostat at 15°C at night, and structurally set it 1 °C lower than you would normally do.
- When purchasing and installing heating or cooling systems, ensure that you perform a correct sizing calculation for the building.
- The heating and cooling costs of your home will also be reduced through proper insulation and air sealing techniques.



Maintenance and Installation

- Maintaining your appliances is of the utmost importance. You need to keep them clean and in good repair; clogged air ventilators, frosted refrigerators and worn-out parts make motors work harder, which wastes energy.
- Even the most energy-efficient heating and cooling system will fail to save you money if it is installed incorrectly or improperly adjusted

Purchasing energy-efficient appliances - Replacing old and inefficient appliances

Eco-Design

- All products have an impact on the environment throughout their life-cycle spanning from their manufacturing and packaging to disposal and recycling. In fact, more than 80% of the environmental impact of a product is determined at the design stage. The [EU Eco-design of Energy Related Products Directive](#) provides an integrated framework setting eco-design requirements for products, including heating and cooling technologies.





The EU Eco-label

- [The EU Eco-Label](#) is a voluntary scheme and awarded to only the very best products. There are several Eco-label including a label for [heat pumps](#).



Energy labelling

- [The Energy Label](#) provides you with a quick insight into the energy consumption of a product through a clear colour and letter-coded classification allowing for easy energy-efficiency comparison between different appliances.

The CE label

- Although often mistaken for being a proof of manufacturing in Europe, the EU's [CE label](#) is an assurance that a product has been assessed and complies with all relevant EU standards.



Energy	Fridge-Freezer
More efficient	A
A	
B	
C	
D	
E	
F	
Less efficient	
G	
Energy consumption kWh/year (Based on standard test results for 24h)	325
Actual consumption will depend on how the appliance is used and where it is located	
Fresh food volume l	190
Frozen food volume l	126
Noise (dB(A) re 1 pW)	43
Further information is contained in product brochure	
Model	
Manufacturer	

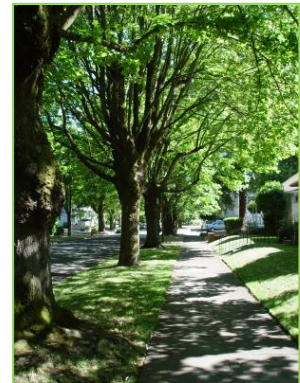
Renewable Energy technologies and Energy Efficiency technologies



- Renewable energy technologies can supply your home with electricity, water heating or space heating and cooling. Incentives are in place to stimulate the uptake of such technologies.
- A heat pump is an example for a technology using renewable energy and providing both heating and cooling for your home.

Landscaping

- Before you design a new home or remodel an existing one, you should consider energy-conserving landscape strategies:
 - Plant trees to shade your home to reduce your cooling costs.
 - Plant shrubs, bushes or vines next to your house to create dead air spaces that will insulate your home in both winter and summer. Ideally, you should plant these so that there remains at least a 30cm space between the fully-grown plans and the wall of your house.
 - Make sure to keep outdoor air-conditioning units out of the sun. Direct sunlight causes them to use 10 percent more electricity.



EPEE - The Voice of the Heating, Cooling and Refrigeration Industry in Europe

The European Partnership for Energy and the Environment (EPEE) is made up of members who produce, design and install heating, cooling and refrigeration technologies.

EPEE's mission is to promote a better understanding of our industry in the EU and to contribute to the development of effective European policies to reduce the environmental impact of our products.