

Selection Criteria Ovens

Methodology

Scope

Topten presents the most energy efficient electric household ovens. Not covered are ovens with a microwave function, portable ovens and small ovens (width, depth <15cm or height <12cm).

Technical criteria

Topten presents all ovens that meet the A+ class of the Energy Label (according to regulation No. 65/2014).

Suppliers who are not able to provide all the necessary data cannot claim to have their products listed on Topten.

Data Sources

- Producers' declarations (according to the EU energy label)
- National data-bases and Topten-sites
- Encodex data base

Order of presentation

The products are ranked according to their Energy Efficiency Index (EEI). More efficient ovens have a lower EEI.

Glossary

Brand and Model

A click on the column of a product shows the detailed view.

Electricity costs

Assumptions:

- Costs for electricity during 15 years (product's life time)
- According to the declared energy consumption for 120 cycles per year, assuming 60 cycles with conventional and 60 cycles with fan forced mode.
- Tariff of electricity: 0.20 €/kWh (there can be large differences depending on country or electrical utility).

Volume (l)

Usable Volume of the cavity in litres (l).

Energy class

Energy efficiency class according to the EU Energy Label (regulation No. 65/2014). The classification scale is based on the EEI. For class A+ an EEI below 82 is required.

Energy (kWh)

Energy consumption per cycle in kWh/cycle for both heating functions (if available):

- Conventional

- Fan-forced convection

EEI

Energy Efficiency Index (EEI) according to the Energy Labelling regulation No 65/2014. More efficient ovens have a lower EEI. The EEI calculation is based on the energy consumption of a cycle in conventional mode or with fan-forced convection, whichever the lower, and the cavity volume.

Infoplus

Standards and Labels

- [Energy Labelling regulation No. 65/2014](#) for domestic ovens and range hoods.
- [Ecodesign regulation No. 66/2014](#) for domestic ovens, hobs and range hoods.

Links

- [Consumer's guide](#) to energy efficient ovens by the European Commission.
- [Measures](#) by the European Commission regarding energy efficient product.
- [Coolproducts](#) informs about the EU ecodesign process. It is a coalition of NGOs' campaign for a stronger, fast Ecodesign Directive to save the climate and money.

Producers and retailers are kindly asked to contact info@topten.eu to inform about more products meeting the Topten selection criteria.

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