

Promotion of Efficient Coffee Machines

Most conventional coffee or espresso machines consume more electricity than an A-class oven or an A++ refrigerator. Large amounts of electricity are used for the permanent keeping warm in the ready or standby mode. High efficiency coffee machines with auto-power-down, better boiler insulation and low standby consumption use around two thirds less electricity than conventional machines. The EU stock of coffee machines holds an electricity saving potential of up to 12'000 Mio kWh per year.



First steps in order to lower the coffee machine's electricity consumption have been realised: The eco label The Blue Angel (Der Blaue Engel) has launched a new label for 'climate protecting' products - efficient coffee machines are among the first products to be marked with this label. The labelling criteria and the measuring method have been developed in collaboration of The Blue Angel and Topten. Based on efficiency requirements harmonised with The Blue Angel, Topten presents four high efficiency coffee machines since August 2009.

In the frame of the ecodesign of coffee machines preparatory study (lot 25) further measures will be proposed. An EU-energy label for coffee machines would be a helpful tool for consumers, also giving incentives to trade and industry to develop more energy-efficient coffee machines. Implementation of specific and appropriate minimum efficiency requirements for coffee machines is further recommended. These requirements should be guided by today's most efficient products – The Blue Angel and Topten coffee machines.

More information

- The Blue Angel: www.blauer-engel.de/en/index.php
- Most efficient coffee machines: www.topten.info
- Recommendations coffee machines:
www.topten.info/index.php?page=recommendations_coffee_machines
- Strategies to enhance energy efficiency of coffee machines. E. Bush, J. Nipkow, B. Josephy, S. Heutling, R. Griesshammer, Presented at EEDAL 2009:
www.topten.info/uploads/File/Energy_efficiency_of_coffee_machines_-_EEDAL_09.pdf