


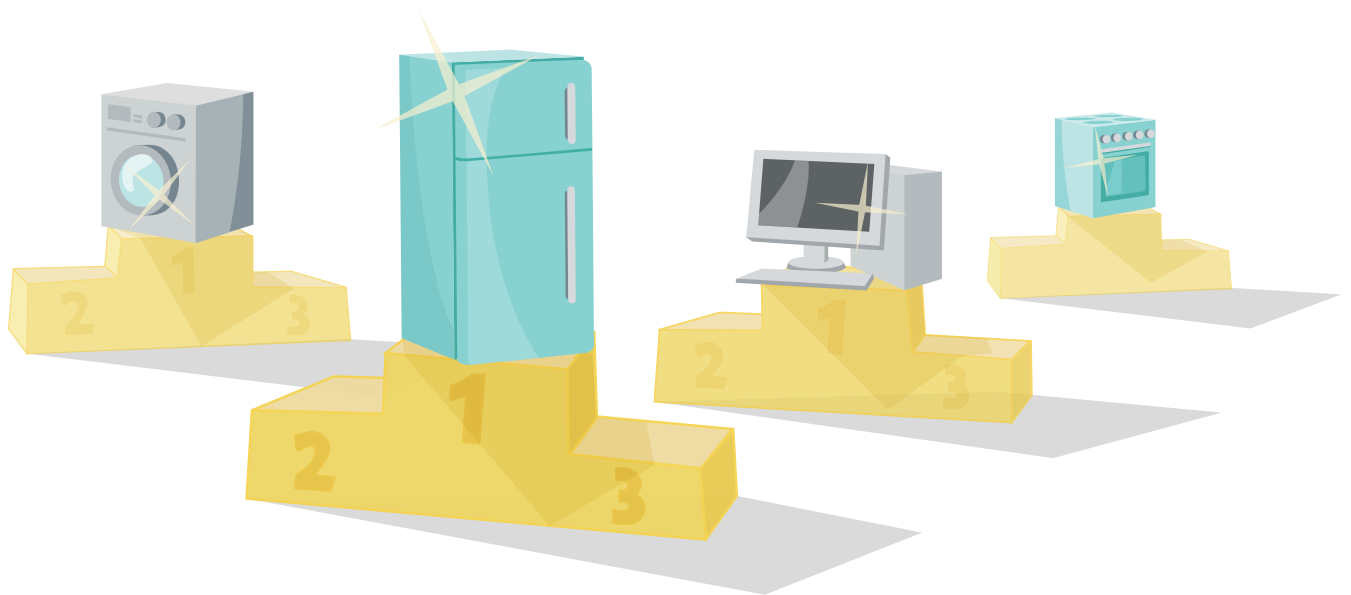


Benefits of energy efficiency in appliances for investors:

-  Pay no more than necessary for the service you need
-  Save money with high-quality appliances
-  Public purchasers: lead by example



High potential for cost-effective energy savings

The most energy-efficient appliances already available today can save between 60 and 85% of energy compared to inefficient models that are still on sale in many countries, while providing the same or better service. Potential saving for refrigerators and freezers is about 60%, for television sets up to 65%, and for computer monitors more than 80%.

Read more in the bigEE Appliances Guide: bigee.net/appliances

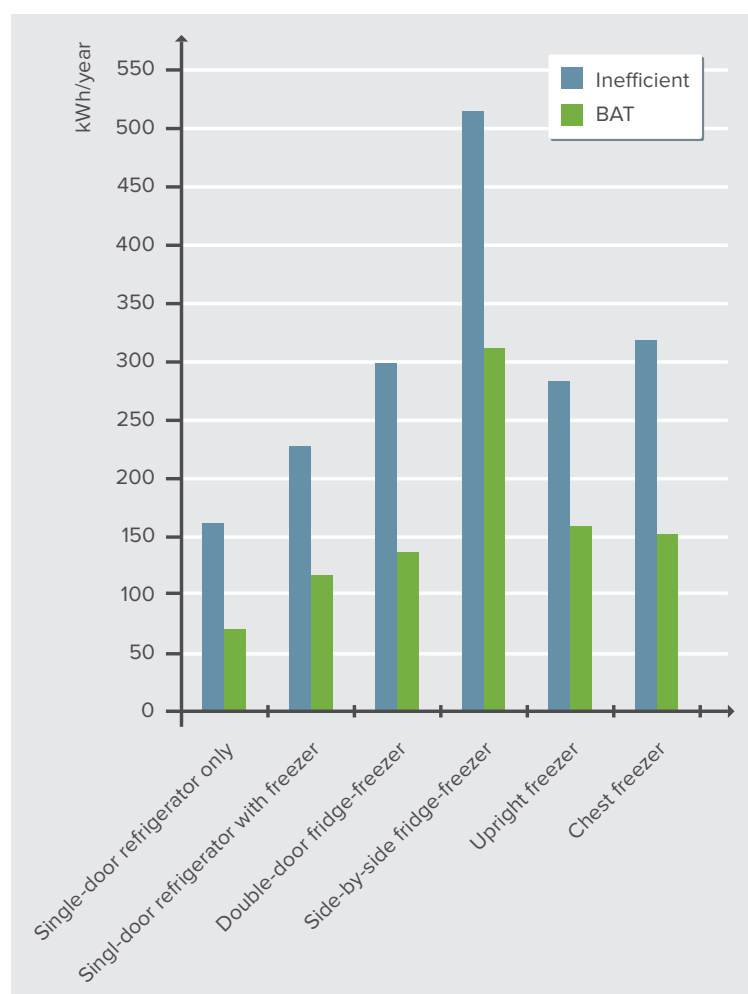


Figure 1: Annual energy consumption of inefficient and the most energy-efficient models ("best available technology", BAT) for six common types of refrigerators and freezers

At unsubsidised energy prices, energy-efficient appliances are normally cost-effective – the total cost of ownership, i.e., purchase price plus energy costs, and sometimes water, detergents or other operating costs, is lower than if choosing an inefficient model providing the same service. If energy-efficient appliances cost more to buy, they usually also offer a higher quality of service in addition to saving energy.



Why should an investor care about energy efficiency?

Energy prices are high and expected to continue increasing, as oil and natural gas may soon reach their maximum extraction rate and as governments try to cope with global warming. Energy-efficient appliances are an opportunity to save money now and insure yourself against rising energy prices in future.

If you are:

A bulk buyer of appliances:

- Save money now through reduced energy bills and increase resilience to rising energy prices.
- Improve the productivity of your workforce and save on maintenance through high-quality appliances.
- Show you care about our climate and about energy security.

A public purchaser:

- Save tax-payers' money by purchasing energy-efficient appliances.
- Lead by example and accelerate market breakthrough for energy-efficient appliances by creating a sizeable early market.
- Show you care about our climate and about energy security.

A manufacturer of appliances:

- Prepare for the future – buyers and governments will increasingly demand energy-efficient appliances.
- Show you care about our climate and about energy security.

Lending money to those who buy appliances:

- Protect the value of your assets – energy-efficient appliances will improve loan-takers' profitability.
- Show you care about our climate and about energy security.

We have organised information on energy efficiency in appliances into product groups in the [bigEE Appliances Guide](#) so you can see the economics of your particular situation.

There is also the [bigEE Policy Guide](#) on how policy can assist buyers and professionals to harness the energy efficiency potential in appliances.

bigee.net

bigEE is an international initiative of research institutes for technical and policy advice and public agencies in the field of energy and climate, co-ordinated by the Wuppertal Institute (Germany). Its aim is to develop the international web-based knowledge platform bigee.net for energy efficiency in buildings, building-related technologies, and appliances in the world's main climatic zones.

The bigee.net platform informs users about energy efficiency options and savings potentials, net benefits and how policy can support achieving those savings. Targeted information is paired with recommendations and examples of good practice.

Co-ordinated by



Wuppertal Institute
for Climate, Environment
and Energy

Partners to date



Financial support



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety

Dr. Stefan Thomas • bigee@wupperinst.org

Wuppertal Institute for Climate, Environment and Energy • Doeppersberg 19 • 42103 Wuppertal • Germany • Phone: +49 (0)202 2492-129