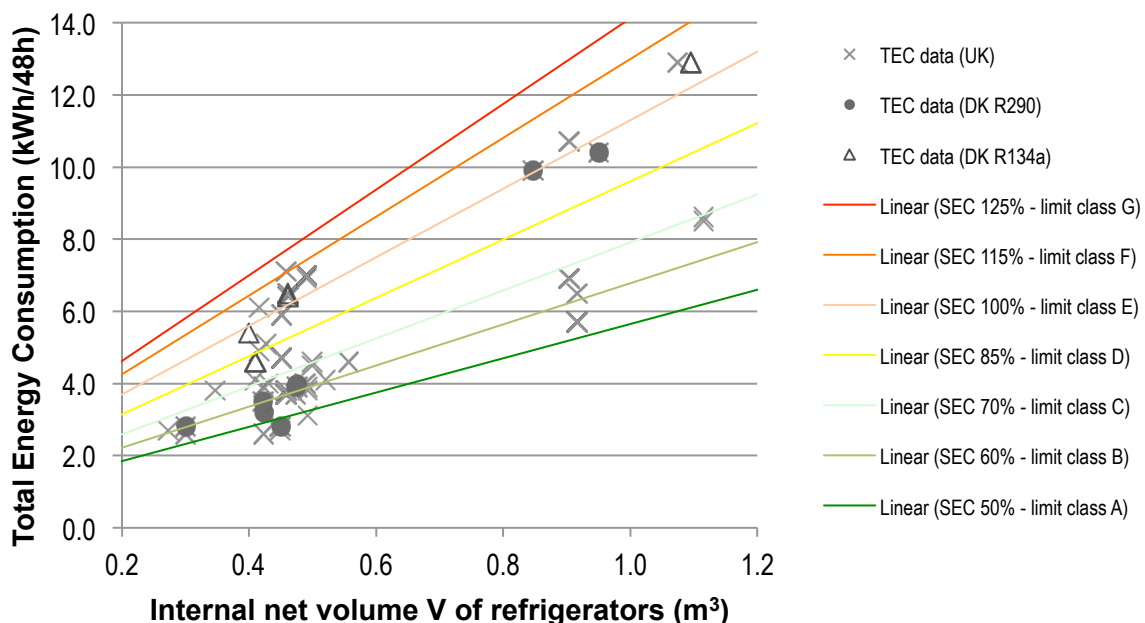


Professional refrigerated cabinets: Energy Label and MEPS

Good proposal, but not stringent enough

An energy label, product information requirements including refrigerant fluids, and minimum energy efficiency requirements (MEPS) are planned for 2014 (Tier 2 in 2017). The European Commission proposes an *Energy Efficiency Index EEI* well suited to compare products of various sizes and constructions in a fair way (Option 2). Topten looked into the proposal using data from government programmes in the United Kingdom and Denmark.

The graph below shows data of professional refrigerators (one or two doors, 300-1300 liters). *EEI* is defined as ratio of the *Total Energy Consumption TEC* to the *Standard Energy Consumption SEC*.



Findings:

- The data confirms the great efficiency potential and the need for an energy label for professional refrigerated cabinets (energy consumption varies by more than factor 2).
- Refrigerators with environmentally friendly refrigerants show to be also more efficient.
- Class A would already be populated. Experience with other appliances however shows that introducing an energy label leads to a leap in efficiency technologies. To give innovative products the credit they deserve, class A must be “empty” at introduction of the label. Otherwise the pull effect for further efficiency improvements will soon be lost. All class limits should be more stringent than in the proposal.
- Minimum energy efficiency requirements (MEPS) for Tier 1 will only lead to energy savings if inefficient products are banned from the market. With the draft regulation as is, all products will stay on the market. It is therefore necessary to set more stringent MEPS.

More information:

- Policy recommendations for professional refrigerated cabinets: http://www.topten.eu/uploads/File/Recommendations_Prof-Refrig_Jan12.pdf
- Position Papers of NGOs on <http://env-ngo.eup-network.de>
- Government programmes: <http://etl.decc.gov.uk/etl> and <http://www.savingtrust.dk>
- Contact: Eva.Geilinger@topten.eu