

## Necessary content of Technical Documentation

# Air conditioners and comfort fans

Air conditioners and comfort fans are covered by ecodesign requirements according to ecodesign Regulation (EU) No 206/2012. Requirements by energy labelling according to Regulation (EU) No 626/2011 also apply to air conditioners.

The requirements only apply to air conditioners and comfort fans as described in Article 1 and 2 of the above mentioned regulations.

The documentation shall be produced before the air conditioner or comfort fan is placed on the market.

The technical documentation shall be sufficient to enable assessment of the conformity of the air conditioners or comfort fans with the requirements. In this respect it is important that test reports are included in the technical documentation.

### Technical documentation for air conditioners and comfort fans

Demands	How to comply
<b>Name and address of supplier</b>	Company name and complete address.
<b>General description</b>	Description of the model so that it is easily identified (model name and number, size etc.).
<b>List of applied standards</b>	Applied measurement standards (harmonised standards and/or other standards).
<b>Identification and signature of the person empowered to bind the supplier</b>	Name and signature of the person responsible for the product.
<b>Product information and measurements</b> Apply only to energy labelling for air conditioners	<p><b><u>Technical parameters for measurements</u></b></p> <ul style="list-style-type: none"> <li>• Overall dimensions</li> <li>• Specification of the type of the air conditioner</li> <li>• Specification whether the appliance is designed for cooling or heating only or for both</li> <li>• The energy efficiency class of the model, range from G to A+++</li> <li>• The energy efficiency ratio (<math>EER_{rated}</math>) and coefficient of performance (<math>COP_{rated}</math>) for single and double duct air conditioners or seasonal energy efficiency ratio (SEER) and seasonal coefficient of performance (SCOP) for other air conditioners</li> <li>• The heating season for which the appliance is declared fit for purpose</li> <li>• Power consumption thermostat-off and standby mode</li> <li>• The name and GWP of refrigerant used</li> <li>• Sound power levels expressed in dB(A) re 1 pW</li> </ul> <p><b><u>Models where the data is obtained from another product model</u></b></p> <p>Where the information in the technical documentation is based on calculation or extrapolation from another air conditioner appliance model, details of such calculations or extrapolations shall be included.</p> <p>Furthermore a list of all other equivalent air conditioners appliances where the information is obtained on the same basis shall be provided.</p>

The SEER/SCOP and EER/COP values shall not exceed the limits for the declared energy class set in Regulation 626/2011/EU

Rounded to the nearest integer

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Demands	How to comply
<p><b>Information and calculation results</b></p> <p>Apply only to ecodesign for both air conditioners and comfort fans</p>	<p><b>Information requirements</b></p> <p>Information set out in Regulation 206/2012/EU Annex I point 3 calculated in accordance with Annex II.</p> <p><b>Results of calculations</b></p> <p>The results of the calculation including values of <math>EER_{rated}</math>, <math>COP_{rated}</math>, SEER and SCOP etc. performed in accordance with Regulation 226/2011/EU Annex VII.</p> <p><b>Copy of information on website</b></p> <p>Copy of information that shall be public available on a website (according to Regulation 206/2012/EU Annex I point 3 (a)).</p>

Be aware of the rounding rules in the measurement standard.

This guide presents the contents of the Regulations and is addressed to manufacturers, importers and others interested. The guide is not a substitution for the Regulations, and in any case of doubt, the Regulations are applicable. This guide is not legally binding as a binding interpretation can only be made by the EU court.

COMMISSION REGULATION (EU) No 206/2012 of 6 March 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for air conditioners and comfort fans

COMMISSION DELEGATED REGULATION (EU) No 626/2011 of 4 May 2011 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of air conditioners