

**NORDSYN JUNE 2016**

Professional condensing units are covered by ecodesign requirements according to Regulation (EU) No 2015/1095.

The requirements apply to professional condensing units as described in Article 1 and 2 of the above mentioned Regulation.

The documentation shall be produced before the product is placed on the market.

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

Professional condensing units

This guide presents the technical documentation that you have to provide if the market surveillance authorities ask for it. There are however other information requirements and requirements on web-information that you always need to fulfil according to the regulations.

Technical documentation for Professional condensing units

Demands	How to comply
Name and address of supplier	Company name and complete address.
General description	Description of the model so that it is easily identified (model name and number, size etc.).
List of applied standards	Applied measurement standards (harmonised standards and/or other standards).
Identification and signature of the person empowered to bind the supplier	Name and signature of the person responsible for the product.
Model information	Where the information relating to a specific model has been obtained by calculation on the basis of design or extrapolation from other combinations, supply the details of such calculations or extrapolations, and of any tests undertaken to verify the accuracy of the calculations, including details of the mathematical model for calculating the performance of such combinations and details of the measurements taken to verify that model.
Results of measurement and calculations	Results of measurements and calculations set out in Annex VI of the Regulation.
Product information Tables 4 and 5 in Annex V of the Regulation provide an indicative layout for some of the requested information	- Intended evaporating temperature in °C: medium temperature –10 °C, low temperature –35 °C. - Type(s) and name(s) of refrigerant fluid(s) intended to be used with the condensing unit. - Any specific precautions to be taken during maintenance. - Information relevant for recycling or disposal at end-of-life.

Technical documentation for Professional condensing units

Demands	How to comply
Rounded to 2 decimal places. → Beware of the rounding rules. →	For condensing units with a rated cooling capacity <i>lower</i> than 5kW and 2kW for medium and low temperature respectively: - Rated COP at full load and 32 °C ambient temperature. - Rated cooling capacity and power input, at full load and 32 °C ambient temperature in kW. - COP value, at full load and 25 °C ambient temperature. - Corresponding cooling capacity and power input, at full load and 25 °C ambient temperature in kW. For condensing units with a rated cooling capacity higher than 5kW and 2kW for medium and low operating temperatures respectively: - Seasonal energy performance ratio (SEPR) value. - Annual electricity consumption in kWh/year. - Rated cooling capacity, rated power input and rated COP. - Declared cooling capacity and declared power input in kW and COP value at rating points B, C and D. For condensing units intended for use at ambient temperature above 35 °C: - COP value at full load and 43 °C ambient temperature. - Corresponding cooling capacity and power input at full load and 43 °C ambient temperature in kW.

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.

Equivalent product means a product model placed on the market with the same technical and performance characteristics, as another product placed on the market under a different commercial name by the same manufacturer.

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