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Nordic Council of Ministers

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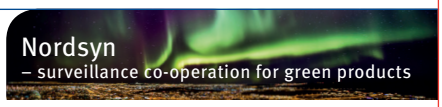
Content of Technical Documentation to provide to market surveillance authorities



NORDSYN SEPTEMBER 2015

Fans driven by motors with an electric input power between 125 W and 500 kW are covered by ecodesign requirements according to Regulation (EU) No 327/2011.
The requirements only apply to fans as described in Article 1 and 2 of the Regulation. The documentation shall be produced before the fan is placed on the market.
The technical documentation shall be sufficient to enable assessment of the conformity of the fan with the requirements.
In this respect it is important that test reports are included in the technical documentation.

Fans

driven by motors with an electric input power between 125 W and 500 kW

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 fans driven by motors with an electric input power between 125 W and 500 kW

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.
Product information and test results Information shall be provided in the order as presented in points 1 to 14. The information may be displayed using graphs, figures or symbols.	1. Overall efficiency (η)*. ← Efficiency shall comply with the requirement described in the Regulation Annex I point 2. 2. Measurement category used to determine the energy efficiency (Category A-D). 3. Efficiency category (static or total). 4. Efficiency grade at optimum energy efficiency point. 5. Whether the calculation of fan efficiency assumed use of a VSD and if so, whether the VSD is integrated within the fan or the VSD must be installed with the fan. 6. Year of manufacture. 7. Manufacturer's name or trade mark, commercial registration number and place of manufacturer. 8. Product's model number. 9. The rated motor power input(s) (kW), flow rate(s) and pressure(s) at optimum energy efficiency. 10. Rotations per minute at the optimum energy efficiency point. 11. The "specific ratio". 12. Information relevant for facilitating disassembly, recycling or disposal at end-of-life.

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DANISH ENERGY AGENCY · Iceland Construction Authority · tukes Finnish Safety and Chemicals Agency · Norwegian Water Resources and Energy Directorate · Swedish Energy Agency

Technical documentation for fans driven by motors with an electric input power between 125 W and 500 kW

Demands	How to comply
	13. Information relevant to minimize impact on the environment and ensure optimal life expectancy as regards installation, use and maintenance of the fan. 14. Description of additional items used when determining the fan energy efficiency, such as ducts, that are not described in the measurement category and not supplied with the fan.
Copy of information in manual of instructions	Copy of the information that shall be provided in the manual of instruction (according to the Regulation Annex I point 3(5)). Copy of the information that must be durable marked on or near the rating plate (according to the Regulation Annex I point 3(4)).

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 327/2011 of 30 March 2011
implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for fans driven by motors with an electric input power between 125 W and 500 kW.

Measurement category A means an arrangement where the fan is measured with free inlet and outlet conditions.

Measurement category B means an arrangement where the fan is measured with free inlet and with a duct fitted to its outlet.

Measurement category C means an arrangement where the fan is measured with a duct fitted to its inlet and with free outlet conditions.

Measurement category D means an arrangement where the fan is measured with a duct fitted to its inlet and outlet.

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