

**NORDSYN SEPTEMBER 2015**

Vacuum cleaners are covered by ecodesign requirements according to Regulation (EU) No 666/2013 and energy labelling requirements according to Regulation (EU) No 665/2013. The requirements apply to vacuum cleaners as described in Article 1 and 2 of the above mentioned Regulations. 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.

Vacuum cleaner

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 vacuum cleaner

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.) – and a list of equivalent product models, if relevant.
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 Apply to both ecodesign and energy labelling	Where the information in the technical documentation is obtained by calculation on the basis of another vacuum cleaner, details of such calculations and of tests undertaken by suppliers to verify the accuracy of the calculations shall be provided. Furthermore a list of all other equivalent vacuum cleaners where the information is obtained on the same basis.
Copy of calculation and product information Apply only to ecodesign	Copy of calculations A copy of calculations set out in Regulation Annex II. Product information - For hard floor vacuum cleaners, mention that they are not suitable for use on carpets with delivered nozzle. - For carpet vacuum cleaners, mention that they are suitable for use on hard floors with delivered nozzle. - For appliances that can function for other purposes than vacuum cleaning, - the electric input power relevant to vacuum cleaning if this is lower than the rated input power of the appliance. - The vacuum cleaner shall be tested as the relevant one of the following: general purpose vacuum cleaner, hard floor vacuum cleaner or carpet vacuum cleaner.

Technical documentation for vacuum cleaner

Demands	How to comply
	- Information relevant for non-destructive disassembly for maintenance purposes, in particular in relation to the hose, suction inlet, motor, casing and cable. - Information relevant for dismantling, in particular in relation to the motor and any batteries, recycling, recovery and disposal at end-of-life. - Durability of the hose according to Annex II point 7. ← - Operational motor life-time according to Annex II point 8. ←
Measured and calculated parameters (Be aware of the rounding rules) Apply only to energy labelling	Measured and calculated parameters - Annual energy consumption in kWh/year for carpet (AE_c) and/or for hard floor (AE_{hf}). ← - Specific energy consumption during carpet (SE_c) and/or hard floor test (SE_{hf}) in Wh/m². - Dust pick up on carpet (dpu_c) and/or on hard floor (dpu_{hf}). ← - Dust re-emission in %. - Sound power level in dB(A) re 1pW. - Rated input power in W. - Average specific energy consumption in Wh/m² for carpet (ASE_c) and/or for hard floor (ASE_{hf}). - Average power during carpet test (P_c) and/or hard floor test (P_{hf}) in W. - Average power equivalent during carpet (NP_c) and/or hard floor (NP_{hf}) test in W. - Total time during a cleaning cycle where the centre of the cleaning head is moving over the test area. The time shall be indicated in hours. - Surface area passed over by the cleaning head in a cleaning cycle. The area shall be indicated in m². - Measured dust pick-up of vacuum cleaner (dpu_m) for each of the cleaning cycles. - Dust pick-up of the reference vacuum cleaner (dpu_{ca}) measured when test carpet was in original condition. - Measured dust pick-up of the reference vacuum cleaner (dpu_{ref}). Result of calculations Result of calculations performed in accordance with Regulation Annex VI.

Requirements come into force from 1st September 2017.

The energy consumption shall not exceed the limits for the declared energy class set in Regulation Annex I.

The dust pick-up value shall not exceed the limits for the declared cleaning performance class set in Regulation Annex I. Rounded to 3 decimal places.

Subscripts: c – carpet, hf – hard floor

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 666/2013 of 8 July 2013 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for vacuum cleaners.

COMMISSION DELEGATED REGULATION (EU) No 665/2013 of 3 May 2013 supplementing Directive 2010/30/EU of the European Parliament and of the Council with regard to energy labelling of vacuum cleaners.

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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