

Necessary content of Technical Documentation

Water pumps

Water pumps are covered by ecodesign requirements according to Regulation (EU) No 547/2012.

The requirements only apply to water pumps as described in Article 1 and 2 of the Regulation.

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

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

Technical documentation for water pumps	
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 energy efficiency etc. Information shall be provided in the mentioned order (point 1 to 15)	<ol style="list-style-type: none"> Minimum efficiency index: $MEI \geq [x,xx]$;  Standard text: 'The benchmark for most efficient water pumps is $MEI \geq 0.70$', or, alternatively, the indication 'Benchmark $MEI \geq 0.70$' Year of manufacture Manufacturer's name or trade mark, commercial registration number and place of manufacture Product's type and size identifier Hydraulic pump efficiency (%) with trimmed impeller [xx,x], or, alternatively, the indication [-.-] Pump performance curves for the pump, including efficiency characteristics Standard text: 'The efficiency of a pump with a trimmed impeller is usually lower than that of a pump with the full impeller diameter. The trimming of the impeller will adapt the pump to a fixed duty point, leading to reduced energy consumption. The minimum efficiency index (MEI) is based on the full impeller diameter.' Standard text: 'The operation of this water pump with variable duty points may be more efficient and economic when controlled, for example, by the use of a variable speed drive that matches the pump duty to the system' Information relevant for disassembly, recycling or disposal at end-of-life Standard text for water pumps designed only for pumping clean water at temperatures below $-10\text{ }^{\circ}\text{C}$: 'Designed for use below $-10\text{ }^{\circ}\text{C}$ only'

The pump shall comply with the minimum efficiency requirement described in the Regulation Annex II point 1.

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Technical documentation for water pumps	
Demands	How to comply
	12. Standard text for water pumps designed only for pumping clean water at temperatures above 120 °C: 'Designed for use above 120 °C only' 13. For pumps designed specifically for pumping clean water at temperatures below –10 °C or above 120 °C, manufacturer must describe the relevant technical parameters and characteristics used 14. Standard text: 'information on benchmark efficiency is available at [www.xxxxxxxx.xxx]' 15. Benchmark efficiency graphs for MEI=0.7 and MEI=0.4 for the pump
Copy of information	Product information 1-15 shall also be public available on a website (according to the Regulation Annex II point 2).

The efficiency graphs can be downloaded from: <http://euro-pump.net/uploads/Fingerprints.pdf>

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

COMMISSION REGULATION (EU) No 547/2012 of 25 June 2012 implementing Directive 2009/125/EC of the European Parliament and of the Council with regard to ecodesign requirements for water pumps