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## **Product information according to European Commission's Regulation (EU) No. 547/2012 of June 25, 2012.**

### **Relevant pump series**

The following series of water pumps fall under EU Regulation No. 547/2012:

- NT, NS** (water pump, end suction own bearing; ESOB)
- NB** (water pump, end suction close coupled; ESCC)
- NI, NISM** (water pump, end suction close coupled inline; ESCCi)
- LV** (water pump, vertical multi-stage; MS-V)

Exceptions are pump sizes with a shaft output greater than 150 kW (Article 2, Paragraph 2).

### **Minimum Efficiency Index:**

The relevant pump series fulfill the legal requirements for efficiency as described in Annex II, 1 of the regulation. The Minimum Efficiency Indexes (MEI) of all pump sizes is  $\geq 0.40$  (Benchmark  $MEI \geq 0.70$ ).

The MEI specified on the pump is based on the speed of 1450 or 2900  $\text{min}^{-1}$ .

### **Performance curves:**

Performance curves of the pump, including efficiency curves, may be retrieved from the ALLWEILER website at [www.allweiler.de](http://www.allweiler.de).

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.

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.

### **Disassembly, recycling, disposal:**

Information about disassembly, recycling, or disposal following decommissioning of the water pump can be found in the relevant operating and service instructions.

### **About the efficiency reference value**

Information about the efficiency reference value is available at <http://www.europump.org>.

### **Reference value charts:**

Reference value charts for MEI = 0.7 and MEI = 0.4 are available at [www.europump.org/efficiencycharts](http://www.europump.org/efficiencycharts).

### **Hot-water pumps**

Pump series in the ALLHEAT product family are intended to pump heat-transfer liquids and are designed for use above 120 °C only. In contrast to standard water pumps, this family of products exhibits a specially designed bearing bracket with a cooling section for handling high temperatures. In addition, a safety stuffing box is installed ahead of the shaft seal.

Series NTWH, NBWH and NIWH are designed for hot-water temperatures up to 183 °C; series CTWH, CBWH, CIWH are designed to handle up to 207 °C.