Product Informations Requirements

[Ref. 2009/125/EC ErP; Regulation (UE) n. 547/2012]

The increasing need to reduce the environmental impact of various products throughout their entire life cycle (e. g. choice and use of raw materials, manufacture, packaging, transport, use and end-of-life) has given rise to Directive 2009/125/EC, from which for the water pump sector has been followed by Regulation 547/2012. The Regulation defines what is meant by a pump, which types are covered by it and the validity of its scope. Referring to the regulation the definition and the fields of use we can divide the pumps into 5 categories:

- End Suction Own Bearing (ESOB);
- End Suction Close Couple (ESCC);
- End Suction Close Couple Inline(ESCCi);
- Vertical multi-stage (MS-V);
- Submersible multi-stage (MSS);

The Regulation does NOT apply to:

- water pumps specially designed for pumping clean water at temperatures below – 10 °C or above 120 °C,
- water pumps designed exclusively for fire-fighting applications;
- volumetric water pumps;
- self-priming water pumps.

The pumps manufactured by Pentax and under the regulation, have:

- A minimum efficiency index: MEI>=0.40
- The reference value for the most efficient water pumps is MEI ≥ 0,70
- Year of manufacture (ref. to the plate)
- Manufacturer's name or trademark, commercial registration number and place of manufacture (ref. to the plate)
- Product's type and size identificator (ref. to the plate)
- Hydraulic pump efficiency (%) with trimmed impeller [xx,x], or, alternatively, the indication [--.-] (ref. to the plate)
- Pump performance curves for the pump, including efficiency characteristics (ref. to the catalogue)
- The efficiency of a pump with turned impeller is generally lower than that of a pump with full impeller diameter. The turning of the impeller adapts the pump to a fixed working point, resulting in lower energy consumption. The minimum efficiency index (MEI) is based on the maximum diameter of the impeller
- The operation of this water pump with variable operating points can be more efficient and economical if controlled, for example, by a variable speed motor which adapts the pump operation to the system
- Information relevant for disassembly, recycling or disposal at end-of-life (ref. to the manual)
- Reference efficiency information is available at www.pentax-pumps.it
- Efficiency graphs for MEI=0.7 and MEI=0.4 can be found at www.europump.org/efficiencycharts

PENTAX INDUSTRIES S.p.A.
37040 VERONELLA (VR) - ITALY
Viale dell'Industria, 1
www.pentax-pumps.com
sales@pentax-pumps.it
Cap. Soc. € 10.000.000 int. Vers.
C.F., P.IVA, n. di iscr.: IT02807990235
del Registro delle Imprese di Verona

Sede Operativa 1
37040 VERONELLA (VR)
Viale dell'Industria, 1
Tel. +39 0442 489500
Fax +39 0442 489510

Sede Operativa 2
42020 ALBINEA (RE)
Via Salvo D'Acquisto, 4B
Tel. +39 0522 597112
Fax +39 0522 589321

Società soggetta ai sensi art. 2497 C.C. e seguenti all'attività di direzione e coordinamento della società Finpeg Partecipazioni SpA– CF/P.IVA/Reg. Imprese di Verona n. 02138570235