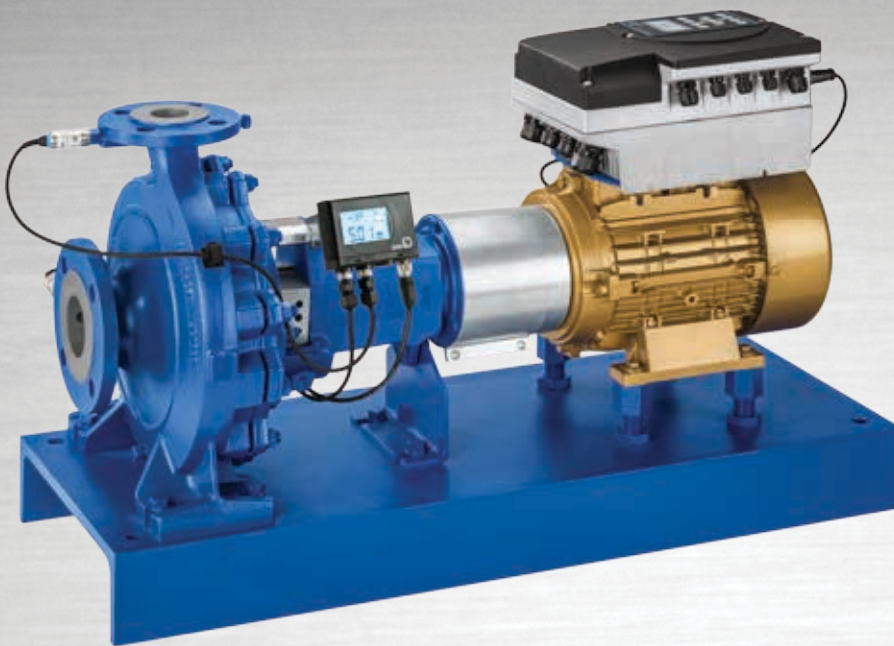


Etanorm / Etanorm R – Standardised Water Pumps



Applications:

Pump for handling clean or aggressive fluids not chemically and mechanically aggressive to the pump materials.

- Water supply systems
- Cooling circuits
- Swimming pools
- Fire-fighting systems
- General irrigation systems
- Drainage systems
- Heating systems
- Air-conditioning systems
- Spray irrigation systems

More information:

www.ksb.com/products

Etanorm with PumpMeter, KSB SuPremE® IE5 motor* and PumpDrive

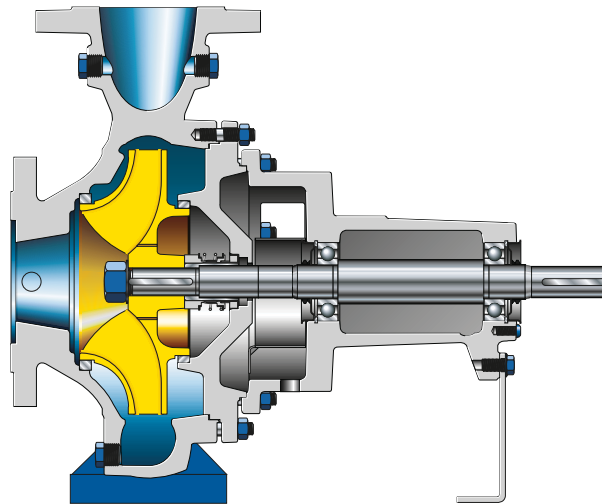


Etanorm with PumpMeter and IE3-motor



Etanorm R

Etanorm / Etanorm R – Standardised Water Pumps



- High energy efficiency**
 Optimised and tested hydraulic system of high efficiency. As a standard, the impellers are trimmed to the operating point.
- Ground-breaking features for saving energy**
 Equipped with PumpDrive for variable-speed operation. When used in combination with the KSB SuPremE® motor, the pump achieves the efficiency level IE5*.
- Operating reliability**
 - Good suction performance for low vibration levels and very smooth running.
 - Wetted parts are free from primers and thus generally recognised as safe for handling drinking water.
- Diversity of variants**
 Additional sizes for small flow rates extend the already diverse range of selection charts.
- Versatile**
 - Great choice of materials for many applications available as a standard.
 - Hydraulic test run to ISO 9906 3B, 2B and 2U available.
 - Drilled holes for temperature and vibration measurement available as an option.
 - Wide choice of seals for demanding fluids.
 - Available in a wide choice of materials for a large variety of fluids.
- Service-friendly**
 - Fast delivery of new pumps and spare parts.
 - Easier to assemble and dismantle thanks to the larger seal chamber and forcing screws between the casing cover and bearing bracket.
 - The compact and robust design of the single cartridge mechanical seal makes for easy and economical installation.

Material variants	Etanorm	Etanorm R
Grey cast iron EN-GJL-250 / A 48 CL 35B	■	■
Nodular cast iron EN-GJS-400-15/A536 GR 60-40-18	■	–
Stainless steel 1.4408 / A743 Gr CF8 M	■	–
Bronze CC480K-GS/B30 C90700	■	–
Nodular cast iron JS1025	–	■

Technical data	Etanorm	Etanorm R
Flow rate	Up to 640 m³/h (50 Hz) Up to 740 m³/h (60 Hz)	Up to 1,900 m³/h (50 Hz) Up to 2,300 m³/h (60 Hz)
Head	Up to 160 m (50 Hz) Up to 160 m (60 Hz)	Up to 101 m (50 Hz) Up to 106 m (60 Hz)
Fluid temperature	-30 °C to +140 °C	
Pressure	Up to 16 bar	

* IE5 in accordance with IEC/TS 60034-30-2 up to 15/18.5 kW (only for 1500 rpm types rated 0.55 kW, 0.75 kW, 2.2 kW, 3 kW, 4 kW: IE5 in preparation)