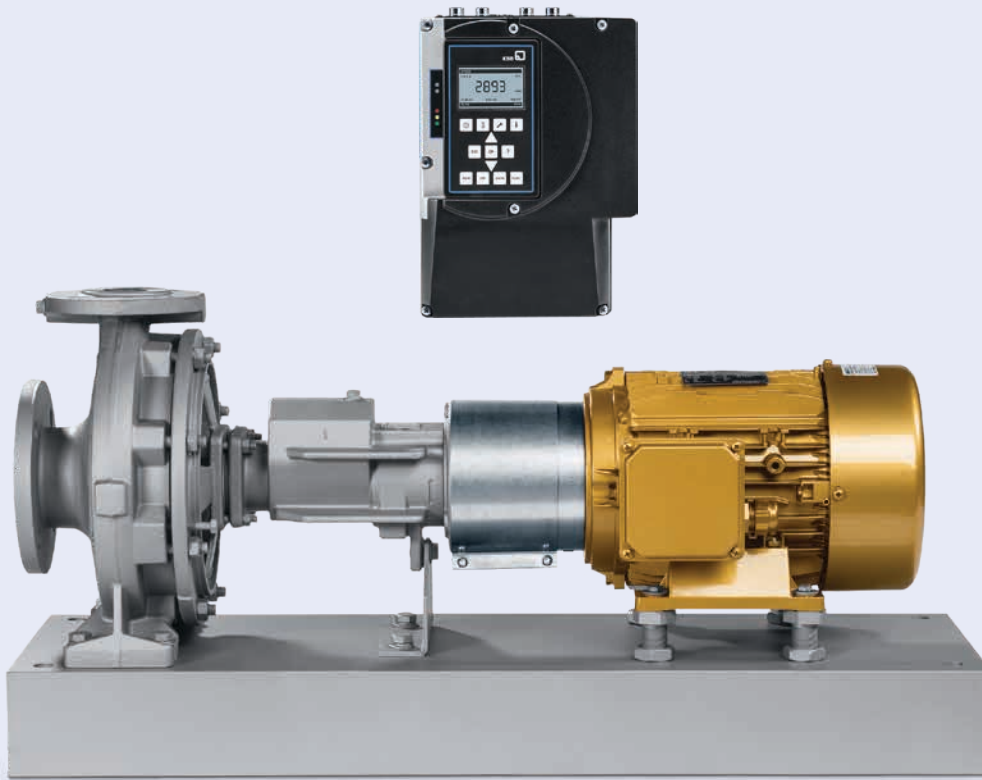


Etanorm SYT, RSY / Etaline SYT, Etabloc SYT – Thermal Oil and Hot Water Pumps



Applications:

- Heat transfer systems (DIN 4754, VDI 3033)
- Hot water circulation

More information: www.ksb.com

Etanorm SYT with KSB SuPremE® IE5 motor* and wall-mounted PumpDrive



Etanorm RSY



Etaline SYT



Etabloc SYT

Etanorm SYT, RSY / Etaline SYT, Etabloc SYT – Thermal Oil and Hot Water Pumps

Excellent energy efficiency

- Advanced hydraulic system with high efficiencies: As standard, the impeller diameter is trimmed to match the duty point.
- Intelligent variable speed system with KSB's PumpDrive and KSB SuPremE® motor: energy savings of up to 60 percent

Reliable operation

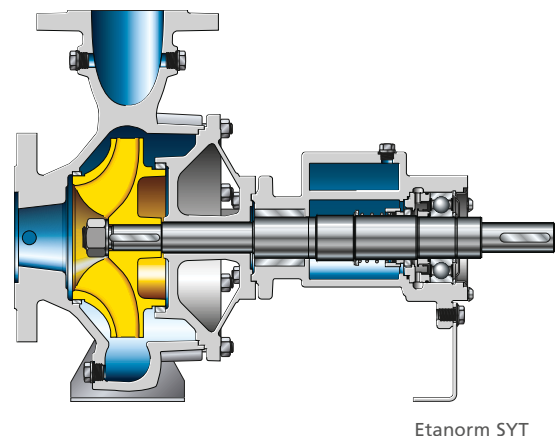
- Confined volute casing gasket and confined gasket between discharge cover and bearing bracket
- Casing cover reinforced with four ribs to prevent thermal distortion
- Venting of bearing bracket and mechanical seal by patented KSB VenJet® technology (Etanorm SYT only)
- Controlled leakage drain by special shaft contour
- Impeller fasteners secured by Nord-Lock washers
- Double mechanical seal and quench system for extra safety in the case of critical vapour pressure of the fluid handled (optional and for Etanorm SYT/RSY only)
- Perfect temperature management by additional cooling with optional fan impeller
- KSB Leakage Sensor for continuous condition monitoring of the mechanical seal and leakage drain (optional)

Variant diversity

- Single and double mechanical seals for all conceivable applications
- Flanges to EN 1092, optionally with ASME bolt hole pattern
- Plain bearing made of carbon (or, optionally, made of SiC)
- Double Cardan coupling – Prolonged service life through torsional vibration damping power transmission

Ease of service

- Replaceable casing wear rings reduce wear at impeller and casing cover.
- Forcing screws at casing cover facilitate dismantling of the pump casing.



Materials

Volute casing	EN-GJS-400-15 / 536 GR 60-40-18
Discharge cover	EN-GJS-400-15 / 536 GR 60-40-18
Shaft	1.4021 + QTHRC55
Impeller	EN-GJL-250 / A 48 CL 35B
Casing wear rings	GG
Bearing bracket	EN-GJS-400-15 / 536 GR 60-40-18

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

Technical data (50/60Hz)		Etanorm SYT/RSY	Etaline SYT	Etabloc SYT
Flow rate up to		1900 / 2280 m³/h	316 / 228 m³/h	280 / 337 m³/h
Head up to		102 / 90 m	69 / 101 m	68 / 99 m
Fluid temperature	Thermal oil	-30 to +350 °C		
	Hot water	-30 to +180 °C		
Operating pressure up to		16 bar		

Automation option: PumpDrive



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