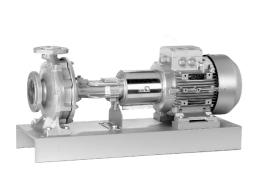
Etanorm SYA/Etanorm-RSY







Automation products available:

- PumpExpert
- Hyamaster
- hyatronic

Fields of Application

Etanorm SYA/Etanorm-RSY pumps are used in heat transfer systems (DIN 4754) or in hot water circulation systems.

Operating Data

	Thermal oil	Hot water
Q	up to 1900 m ³ /h, 528 l/s	
Н	up to 102 m	
t	-30 °C to +350 °C	up to +180 °C
p ₂ 1)	up to 16 bar	

¹⁾ see pressure/temperature limits given on page 5 of type series booklet 1220.5-10

Design

Horizontal volute casing pump, single-stage (pump size 125-500/2 double-stage), with ratings and main dimensions to EN 733 up to DN 200 / extension Etanorm-RSY, with bearing bracket, in back pull-out design.

Volute casing and impeller or casing cover with replaceable wear rings.

Volute casing with integrally cast pump feet.

Bearings

Coupling side: grease-lubricated deep-groove ball bearing Impeller side: product-lubricated carbon bearing

Shaft Seal

Mechanical seal to EN 12756.

Materials

Volute casing Nodular cast iron JS1025 ²⁾
Discharge cover Nodular cast iron JS1025 ²⁾

Shaft Chrome steel 1.4021.05 HRC 55/1.4057

Impeller Grey cast iron JL1040 ³⁾ Wear rings Grey cast iron GG

Bearing bracket Nodular cast iron JS1025²⁾

2) to EN 1563: GJS-400-18-LT 3) to EN 1561: GJL-250

Certification

Certified quality management ISO 9001.

Designation

Accessories

Drive 4)

Surface-cooled KSB-IEC three-phase squirrel cage motor Winding: up to 2.2 kW 220-240 V/380-420 V

for 3 kW and above 380-420 V/660-725 V

Design: IM B3 Enclosure: IP 55

Thermal class: F with temperature sensors:

3 PTC thermistors

Operating mode: continuous operation S1

or

surface-cooled three-phase squirrel cage motor as described above, but West European brand to KSB's choice.

Coupling

Flexible coupling with/without spacer sleeve

Contact quard

Coupling guard as per EN 294.

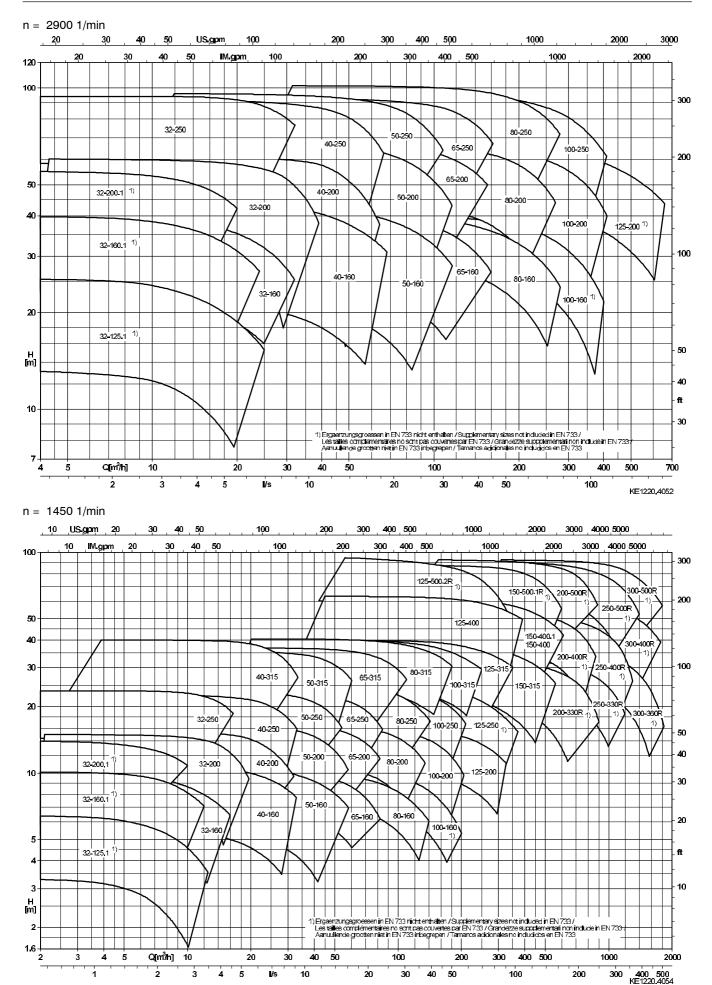
Baseplate

in axial direction towards the pump side!

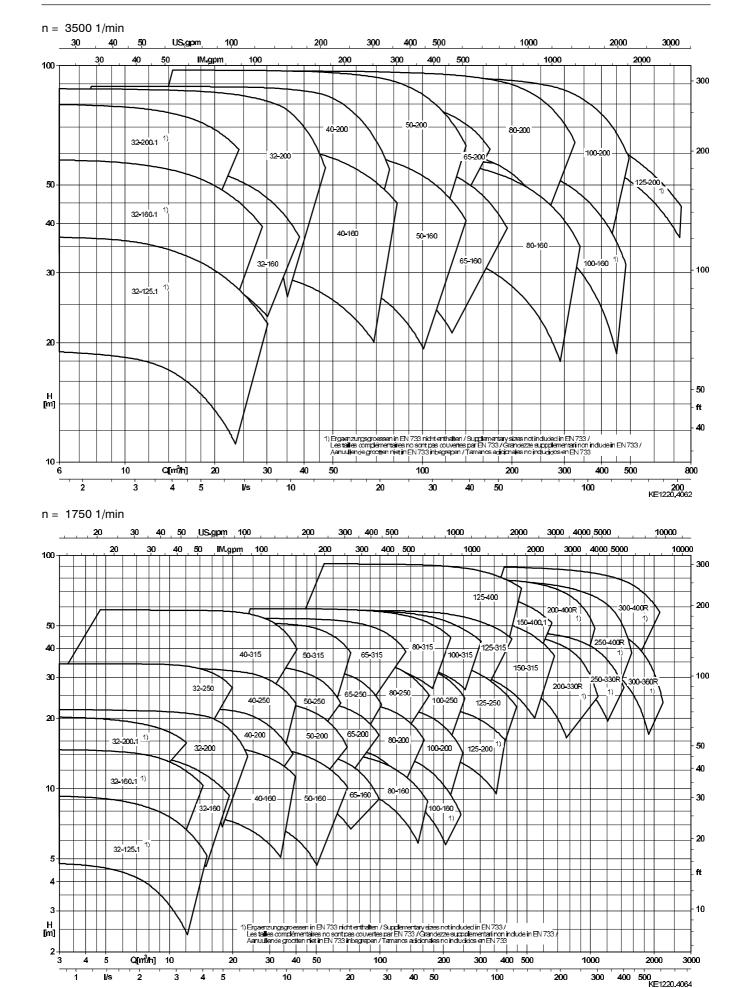
Air velocity \geq 3 m/s, measured at the drive-end bearing end plate



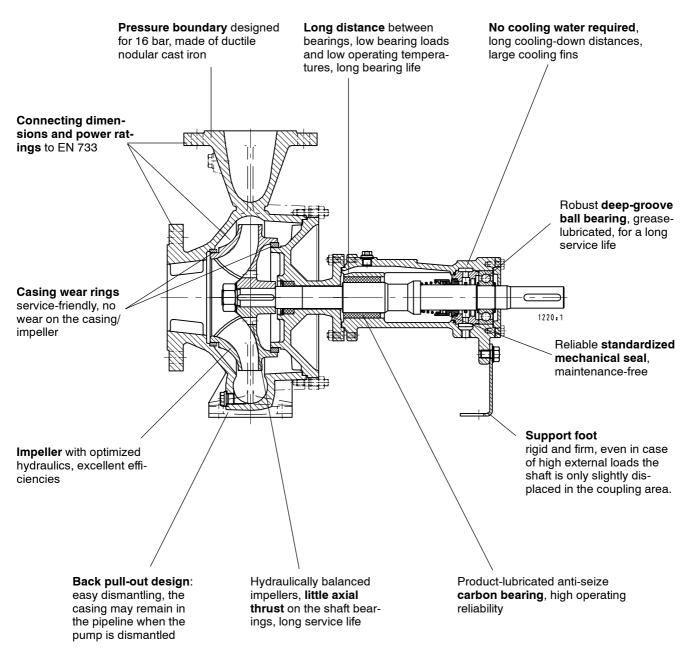








Benefits at a glance



Etanorm-RSY

