

RPHb – Single-suction, Two-stage Heavy-duty BB2 Process Pump

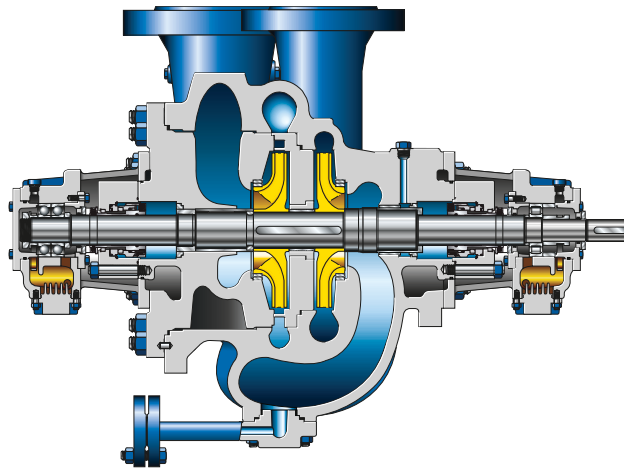


Applications:

- Refineries
- Petrochemical and chemical industries
- Onshore and offshore processes

More information: www.ksb.com

RPHb – Single-suction, Two-stage Heavy-duty BB2 Process Pump to API 610 / ISO 13709



Robust design for longer service life

- Process pump in heavy-duty design to API 610
- Optimised pressure boundary and hydraulic system with reinforced optimised shaft

Wide range of variants for a broad application range and optimum adaptation to the system

- Numerous flange designs
- Large choice of materials
- Coolable/heatable seal housing
- Various bearing lubrication variants

Long service life and high reliability of the bearings

- Heavy-duty paired 40° angular contact ball bearings
- Diffuser design and impellers in back-to-back arrangement
- Standard version with oil ring lubrication and labyrinth seals
- Version with hydrodynamic bearings for higher energy density

Lower operating costs and higher system availability

- Comprehensive hydraulic selection chart for optimum selection
- Better efficiencies and NPSH values than OH2 pumps
- No need for a separate cooling circuit; integrated cooling fins and optional fan impeller ensure optimum cooling of the bearing brackets.

Ease of service

- Easy to monitor and service due to top-top flange arrangement
- Suction-side casing cover simplifies rotor removal.
- Straightforward servicing due to mechanical seals to API 682 (cartridge design)
- Replaceable casing and impeller wear rings
- Modular design system reduces spare parts stock.

Materials

S5, S6, S8, C6, A8, D1, D2 and special materials

Technical data

	50 Hz	60 Hz
Max. flow rate	2100 m³/h / 9246 US gpm	1900 m³/h / 8365 US gpm
Max. head	680 m / 2231 ft	800 m / 2625 ft
Max. temperature	-80 °C to +450 °C / -112 °F to 842 °F	
Max. pressure	100 bar / 1450 psi	
Nominal diameter	80-300 mm / 3-12 in	

Other values on request



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