

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

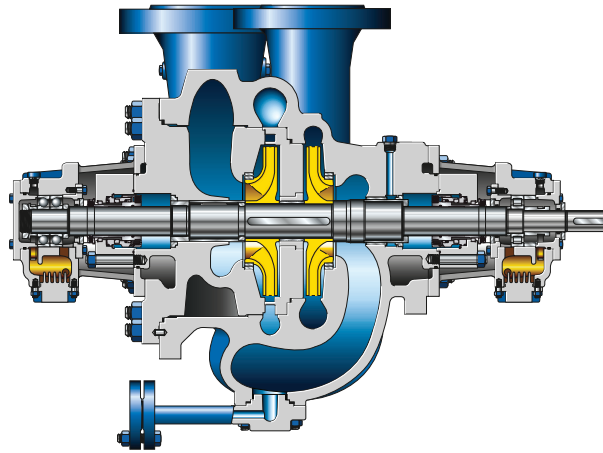


Applications:

- 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	Technical data	50 Hz	60 Hz
S5, S6, S8, C6, A8, D1, D2 and special materials	Max. flow rate	2100 m ³ /h / 9246 US gpm	1900 m ³ /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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