Our technology. Your success.
Pumps ▪ Valves ▪ Service

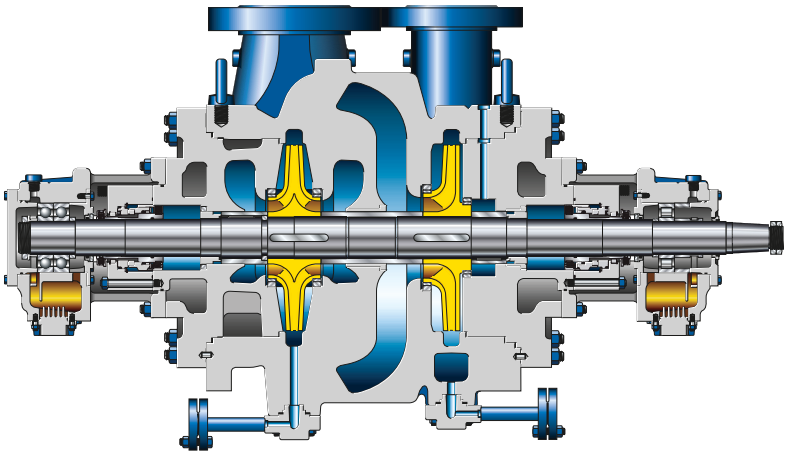
RPHbd – Double-suction, Two-stage Heavy-duty BB2 Process Pump

Applications:

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

More information: www.ksb.com

RPHbd – Double-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
- Balancing line and double volute
- 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
- Very low NPSH values due to double-suction impeller
- 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
- 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	1900 m³/h / 8365 US gpm	1700 m³/h / 7485 US gpm
Max. head	550 m / 1804 ft	540 m / 1772 ft
Max. temperature	-80 °C to +450 °C / -112 °F to 842 °F	
Max. pressure	Up to 100 bar / 1450 psi	
Nominal diameter	80-250 mm / 3-10 in	

Other values on request

KSB SE & Co. KGaA
Johann-Klein-Straße 9
67227 Frankenthal (Germany)
www.ksb.com