



Enriching Lives

MULTISTAGE PUMPS

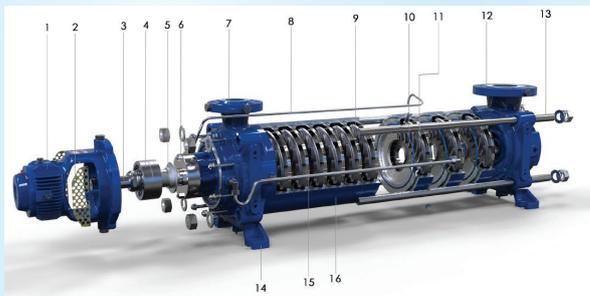
TYPE - RKBx



Range:

- Discharge flange sizes: 50 mm and 65 mm
- Axial suction flange sizes: 100mm and 125 mm
- Flow rates up to 92 m³/hr at 50 Hz (3000 rpm)
- 110 m³/hr at 60 Hz (3600 rpm)
- Head up to 1000 m (50 Hz and 60 Hz)
- Efficiencies up to 80%
- Suitable for liquids up to 150°C (with cooling)
- Uncooled design up to 120°C (without cooling)

Exploded View:



Features:

- Pump with optimum efficiency design.
- Design compliant with the ISO 5199 standard.
- Suction flange : ANSI B16.5 class 150 / 300 # (other flange ratings optional)
- Discharge flange : ANSI B16.5 class 600 / 900 # (other flange ratings optional)
- Axial suction flange and radial discharge flange as standard scope.
- Flexible discharge nozzle position. It can be oriented in any 90° positions.
- Impeller: First stage impeller designed for low NPSH. Rest stage impellers designed to have good efficiencies over operating range.
- Diffuser: Diffuser design reduces minimum radial loads and minimum flow requirements.
- Hardened interstage bush for the diffuser option.
- Casings are sealed with O-rings.
- Hardened wear ring for the stage and suction casing option.
- Grease lubricated angular contact thrust bearings at driving end.
- Medium lubricated carbon graphite suction and intermediate radial sleeve bearings.
- Bearing bracket – Modular design with VMS and BRTD provisions.
- Sealing:- standard: mechanical pusher seal, optional: cartridge or packed gland
- Self-regulating balancing system hydraulically compensate axial thrust and controls the balancing water rate.
- Design suitable for axial displacement due to thermal expansion.
- Direction of rotation clockwise viewed from driving end.

Major Components:

1 Bearing Housing	5 Deflector	9 Impeller	13 Tie Rods
2 Protection Guard	6 Mechanical Seal	10 O-ring	14 Pump Foot
3 Pump Shaft	7 Discharge casing	11 Diffuser	15 Balancing Line
4 Angular Contact Bearings	8 Flush Line	12 Suction Casing	16 Return Channel Casing



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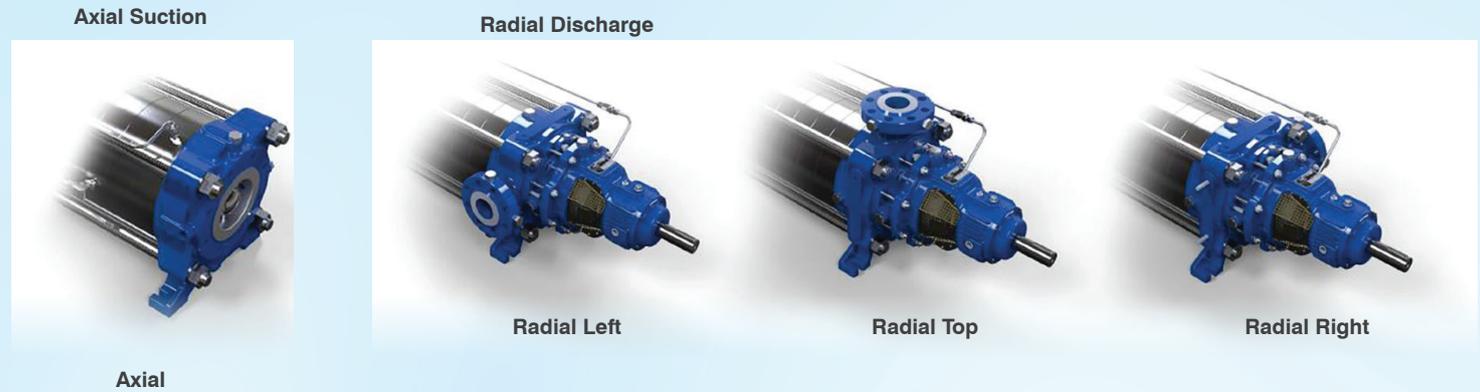
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Flange Drilling Standard:

- **Suction flange:** ANSI B16.5 class 150 / 300 # (other flange ratings optional)
- **Discharge flange:** ANSI B16.5 class 600 / 900 # (other flange ratings optional)

Nozzle Positions:

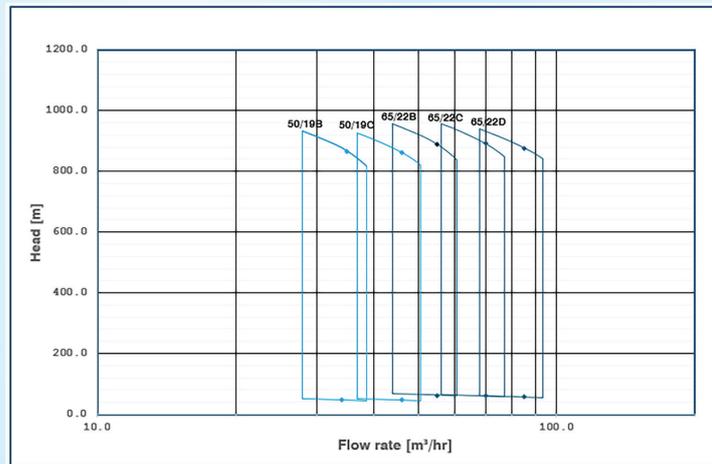


Material Of Construction:

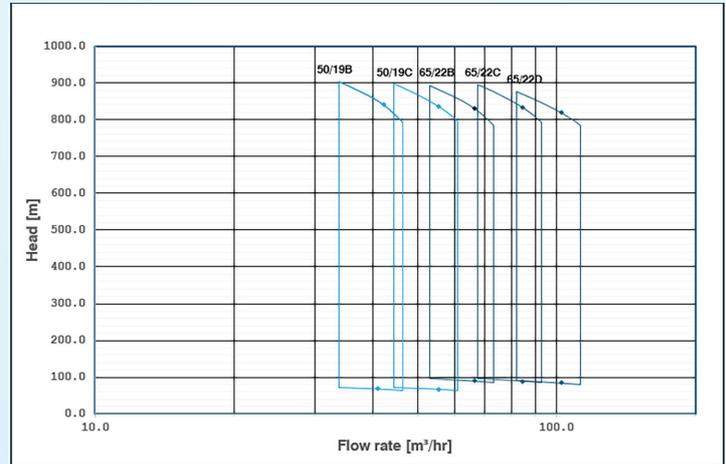
Suction casing, Discharge casing, Stage casing	Impeller, Diffuser	Shaft
ASTMA 216/216 M WCB ASTMA743/743M CA6NM	ASTMA 216/216 M WCB ASTMA743/743M CA6NM ST ST ASTMA351/351M-CF8M	ASTMA-276-410 (H&T) COND H

Family Curves

RKBx range 3000 rpm



RKBx range 36000 rpm



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OUR COMPANIES



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