

RUV – Generation 3+ customized Reactor Coolant Pump



Applications:

- Reactor coolant pump for generation 3+ nuclear power stations

More information: www.ksb.com/products

RUV – Generation 3+ customized Reactor Coolant Pump

1 Operational Safety

- Maximum safety due to completely forged pressure boundary
- Hermetically sealed (leakage free, no mechanical seals)
- Perfect rotor dynamic behaviour

2 Integrity under upset conditions

Motor cooling through thermosyphon effect

3 Flywheel

High inertia flywheel to address coast down requirements

4 Optimized thermal barrier

Advanced cooling concept for homogeneous temperature distribution

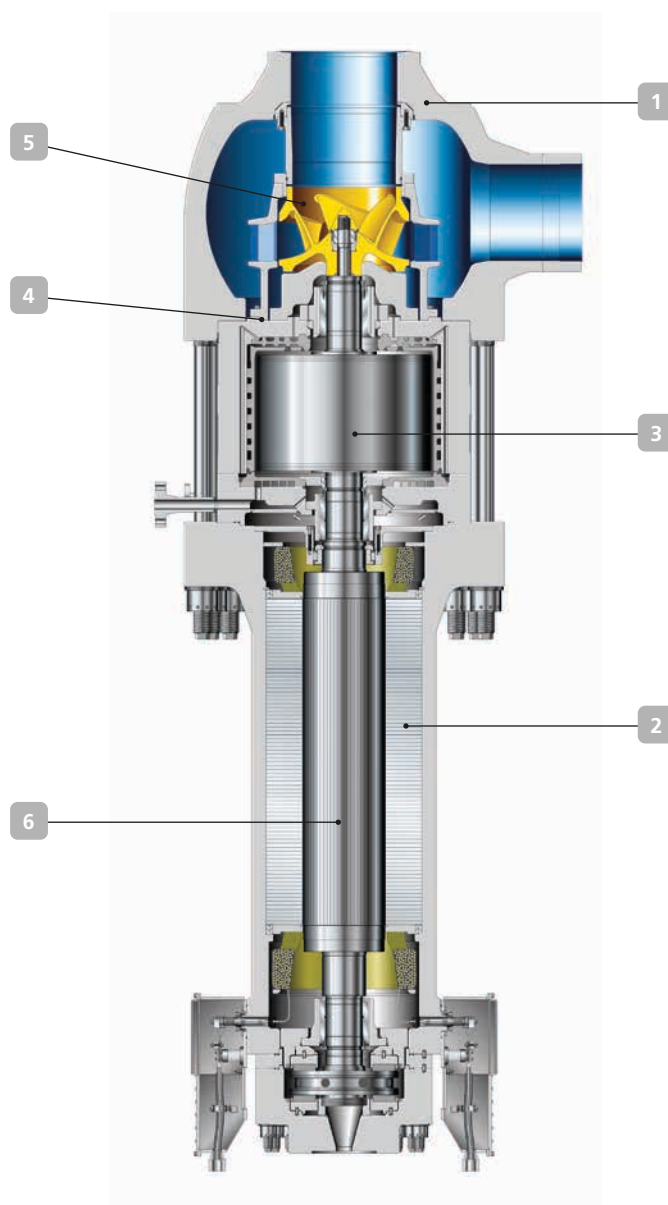
5 Optimized hydraulics

Well proven design with very high hydraulic efficiency

6 Maximum overall efficiency

Due to proven wet winding motor technology

7 Maintenance free design



Technical data*

Size	up to DN 650
Pressure	up to 175 bar (17.5 MPa (a))
Temperature	up to 350 °C (662 °F)
Capacity	up to 22,000 m³/h (96,866 gpm)
Head	up to 120 m (394 ft)
Speed	up to 1,800 min⁻¹
Frequency	50 Hz or 60 Hz

*Higher ratings on request



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