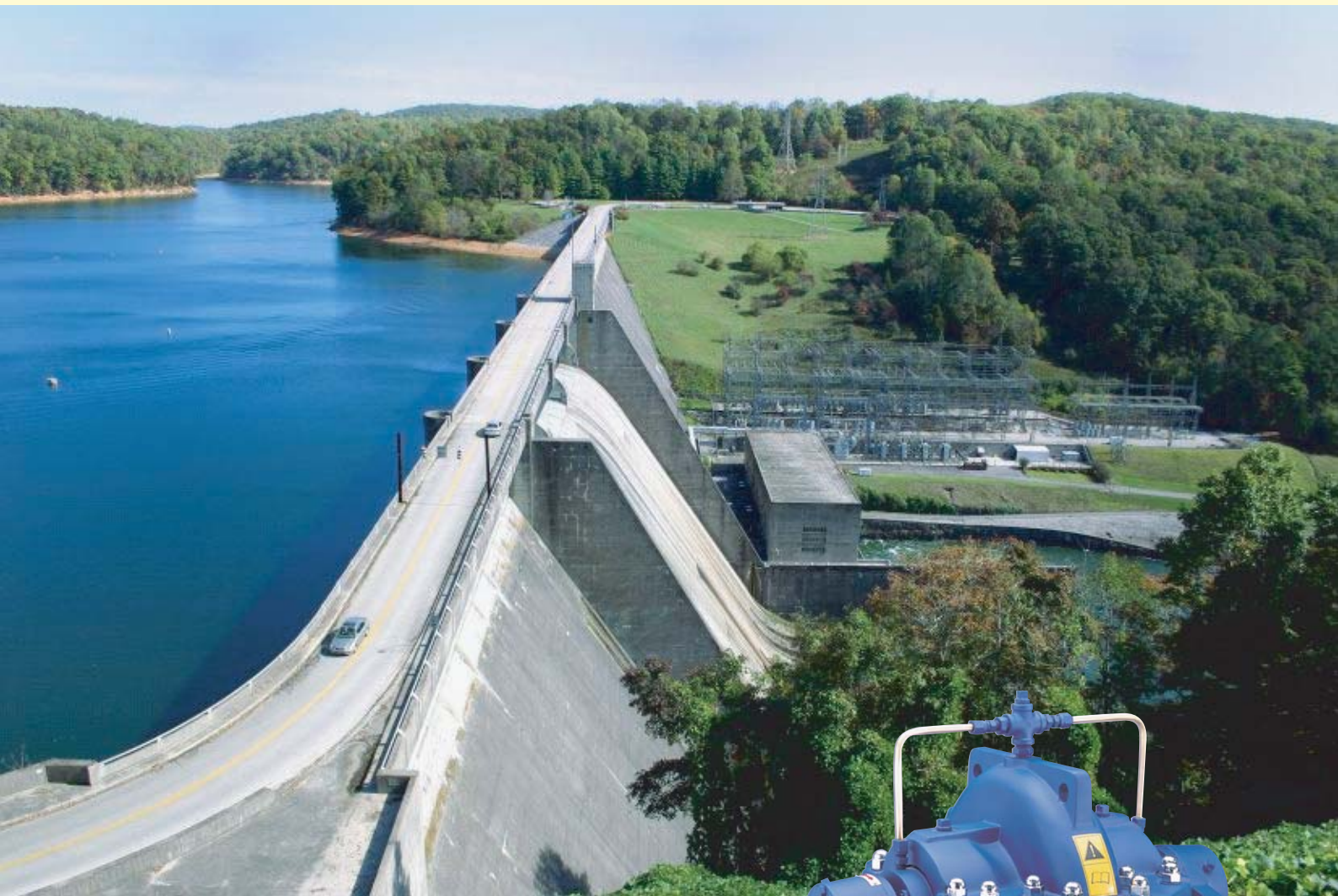


HSC / VSC Series

Horizontal / Vertical Split Casing Series

Double Suction Centrifugal Pumps





Construction

Single stage, axially split volute casing pump with double entry radial impeller suitable for vertical and horizontal installation. The complete rotating element can be removed without disturbing existing pipework and electric motor. Direction of rotation can be selected to suit actual site condition. (clockwise or anti-clockwise)

Application

- Municipal Water Supply
- Industrial Water Supply
- Pump Station
- Irrigation
- Power Plants
- Fire-Fighting
- HVAC
- General Application in Refineries
- Shipbuilding and Offshore engineering

Specifications

Pump sizes	DN 80 up to DN 350
Capacity	up to 800 l/s
Head	up to 170 m
Maximum operating pressure	up to 25 bar
Operating temperature	up to 105°C
Flanges	ISO, DIN, BS, ANSI

Impeller

The pump impeller is of double suction radial type with excellent hydraulic efficiencies.

Pump Bearing

The bearing housing is arranged on both ends of the pump shaft suitable for both grease and oil lubrication. The bearing brackets can be fitted with temperature sensors.

Shaft Sealing

Options of gland packing or mechanical seal. The shaft is protected by replaceable stainless steel shaft sleeve.

Installation Arrangement

Horizontal
Vertical
Vertical with extended shaft

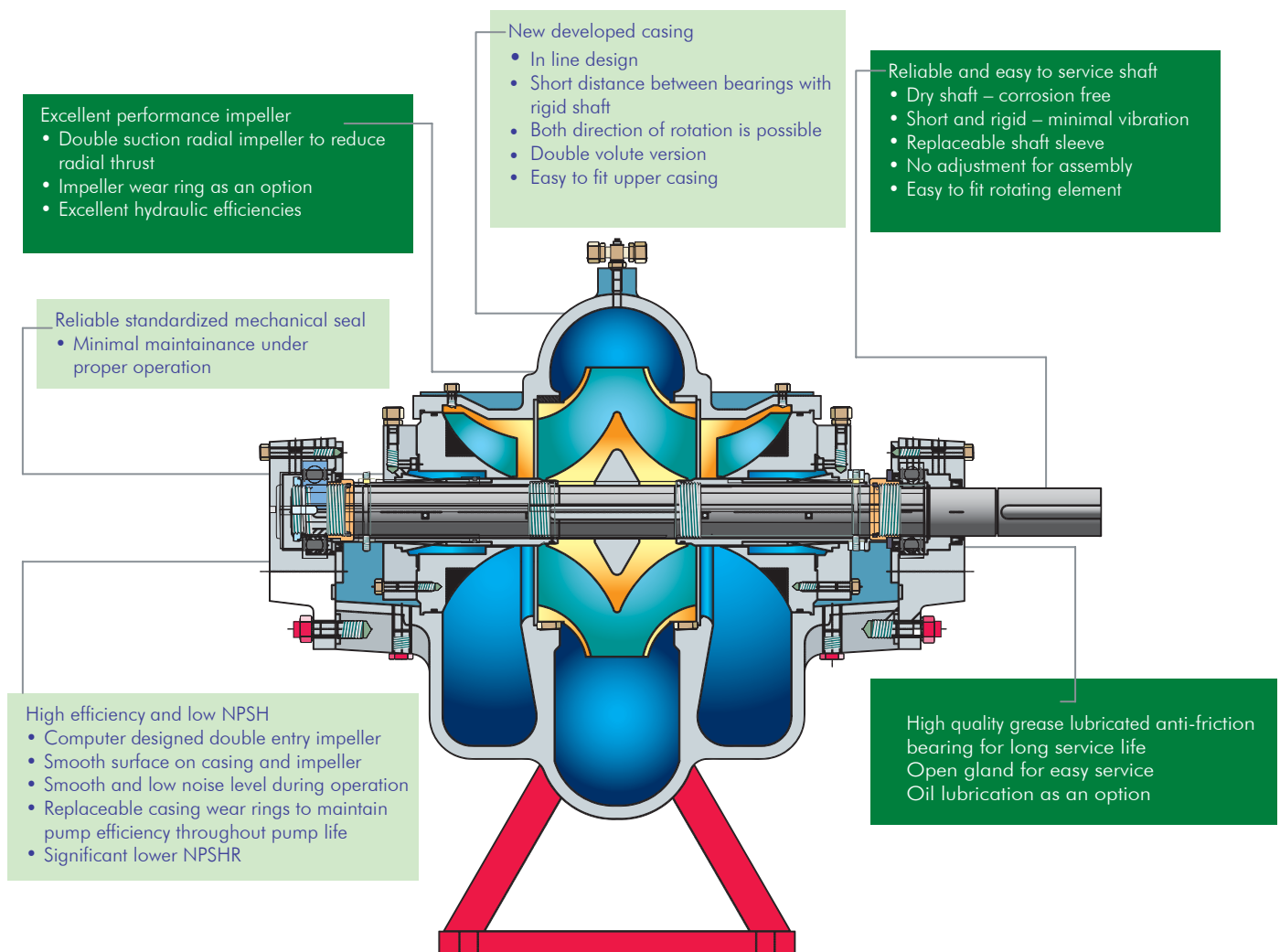


Material of Construction

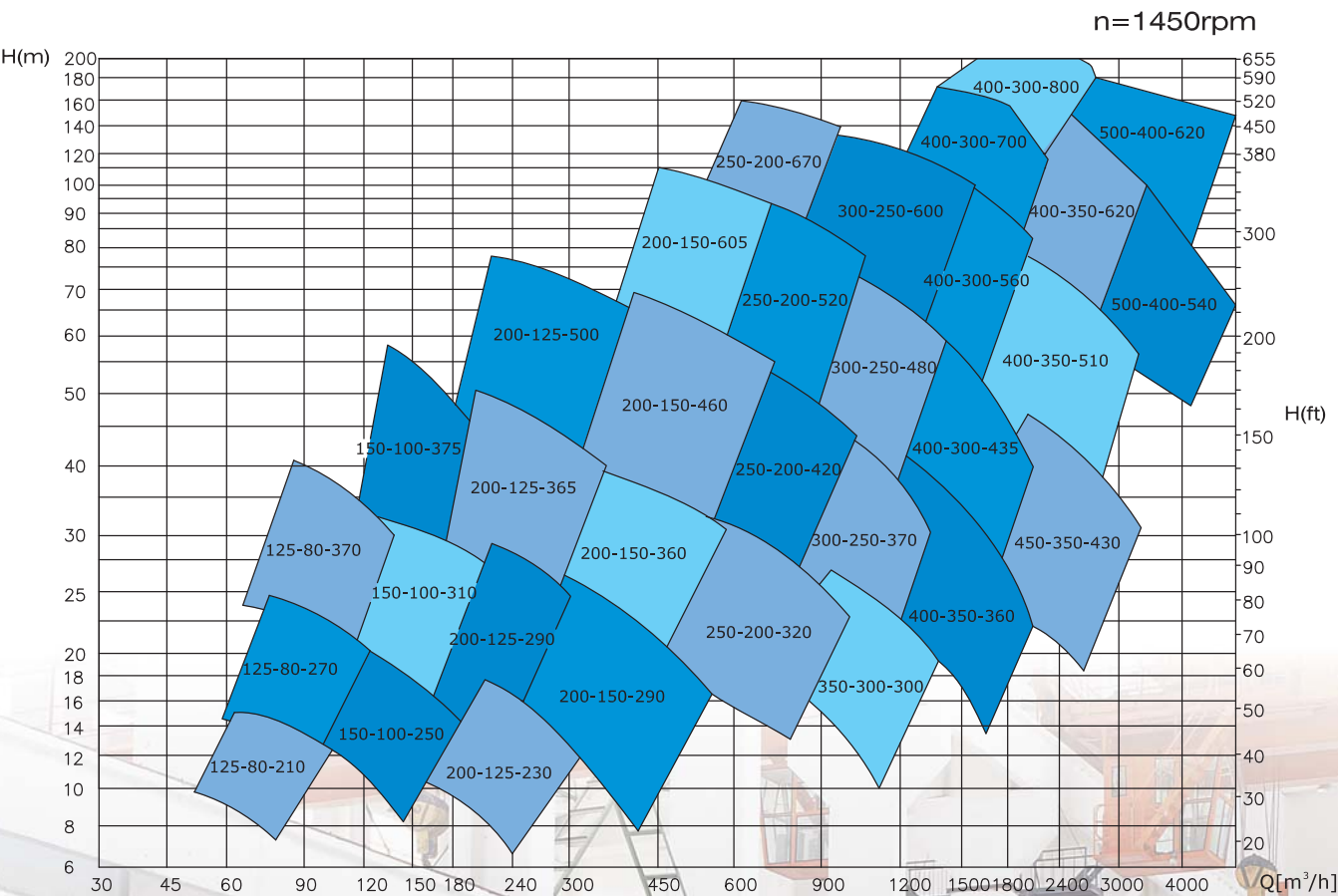
Parts	Standard Version	Option A	Option B
Casing	Cast Iron HT 250	Cast Iron HT 250	Stainless Steel ZG230 – 450
Impeller	Bronze ZCuSn10Zn2	Stainless Steel ZG1Cr18Ni12Mo2Ti	Stainless Steel ZG1Cr18Ni12Mo2Ti
Shaft	Stainless Steel 2Cr13	Stainless Steel 2Cr13	Stainless Steel 2Cr13
Shaft Sleeve	Stainless Steel 1Cr18Ni9Ti	Stainless Steel 2Cr13	Stainless Steel 1Cr17Ni2
Wear Ring	Bronze ZCuSn5Pb5Zn5	Stainless Steel ZG0Cr18Ni12Mo2Ti	Stainless Steel ZG0Cr18Ni12Mo2Ti
Bearing Housing	Cast Iron HT 200	Cast Iron HT 200	Cast Iron HT 200
Sealing	Mechanical Seal (Si – SiC/Si – SiC) / Gland Packed as an option		
Bearing Lubrication	Grease / Oil as an option		

Note : other material variants are available upon request.

Design Features



Selection Chart



Bigger range is available upon request.

