



Vertical & Horizontal Split Casing Centrifugal Pump

HSC Series & HSCV Series

Single Stage Double Suction Split Case Pump



HSC

Application

- * **Air conditioning**
- * **Fire protection**
- * **Pressure boosting**
- * **Irrigation**
- * **Marine industrial**
- * **Refrigeration**
- * **Cooling tower**
- * **Water heating**
- * **De-watering**



HSCV



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HSC Series
HSCV Seires

Single Stage Double Suction
Split Case Pump

Application

HSC & HSCV pumps is widely used in water works, irrigation, drainage water, power station, industrial water supply, fire fighting system, marine engineering, it can also be applied in refinery industry, water supply and drainage in building, water circulation system of air-condition, metallurgy, chemical process, pharmacy, etc. for pumping clean water or other liquids which chemical and physical property are similary to water.

Operating condition

Capacity up to:	3100	L/S
Head up to:	200	m
Max. Operating pressure:	25	bar
Max. Operating temperature:	120	°C

Definition of model

HSC 100 -310 A

HSC — Horizontal split casing pump

HSCV — Vertical split casing pump

100 — Outlet diameter (mm)

310 — impeller normal diameter (mm)

A — code of impeller

Features

Advanced construction

1. The pump can operate stable by using reasonable construction design, short distance between the bearings, compact size, and good rigidity.
2. Two structure of vertical and horizontal, and horizontal pump can operate in clockwise of anti-clockwise by interchange left and right shaft with more flexible application.
3. This products uses the independent integral sealed parts, solving the problem of dynamic and statics sealing.
4. Optimized double suction impeller, double volute case, keep less vibration and noise.
5. Bearing lubrication has two types: grease or flood oil . Shaft sealing can adopt soft packed stuffing or Mechanical seal, for adopting more applications.
6. Suction and discharge of the pump are inline, convenient for connection of the Pipe

Excellent hydraulic performance

1. Design of hydraulic model of casing and impeller adopts modern design methods by using advanced CAD software. It is 2-5 percent higher than the efficiency of the same pump. It keeps high efficiency of full series by multi- impeller suitable for one casing.
2. Wide range charts, detail type classification, resonable arrangement.

Excellent material

1. Imported domestic famous brand bearing of high quality, special designed mechanical seal ensure lower noise and longer operation life.
2. Multy materials can be used in pump casing, impeller and shaft, so it can suitable for different application.

**BUGATI**

Horizontal Split Case Pump

HSC Series

Innovative casing

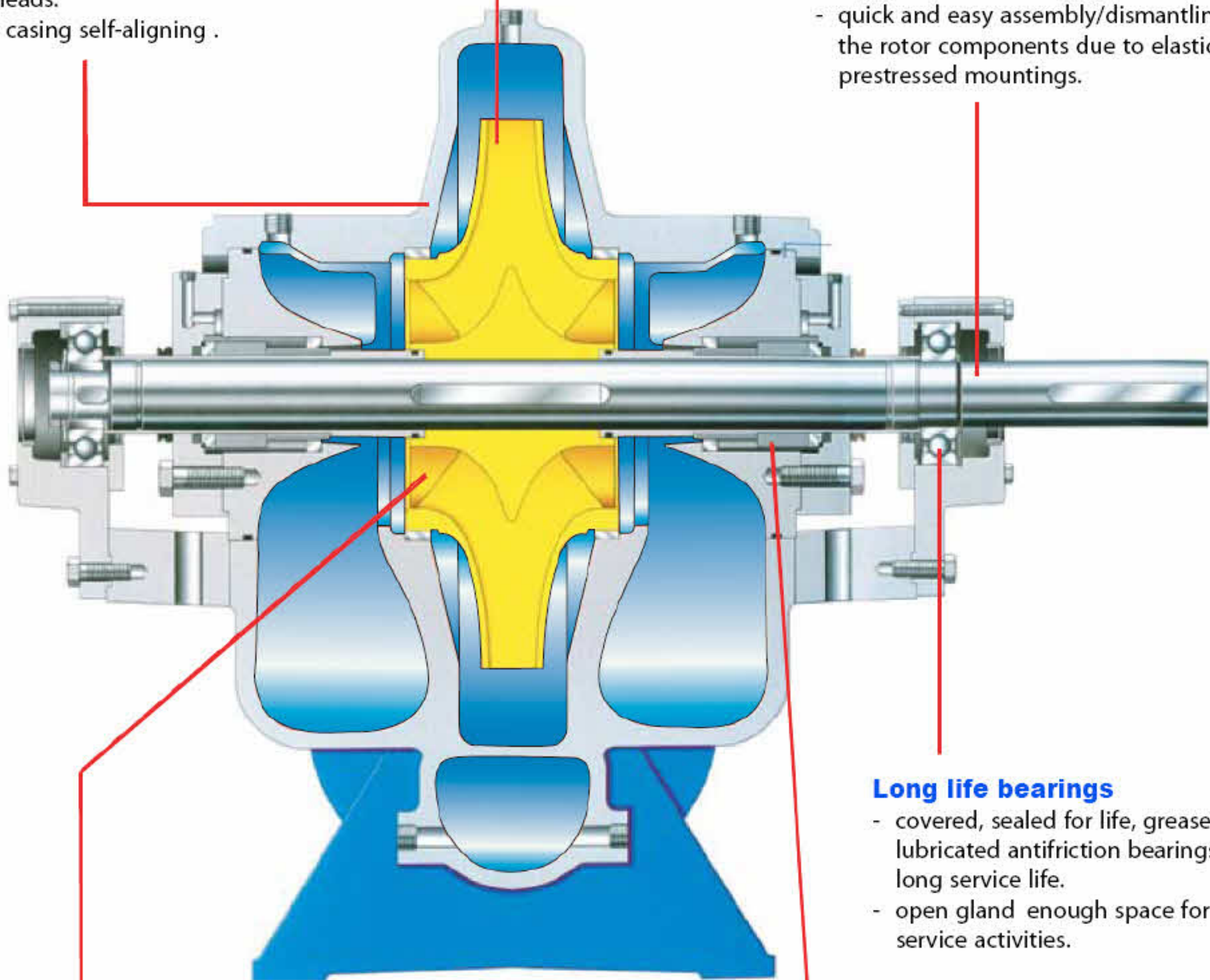
- in-line design.
- short distance between bearings and correspondingly short shaft.
- leak-tight due to compact joint flange with long, prestressed bolts.
- counter-rotation possible with the same parts.
- double-volute version for appropriate total heads.
- upper casing self-aligning .

High performance impeller

- minimal axial thrust due to double entry impeller.
- optional impeller wear rings.
- new vane passage with excellent hydraulic characteristics.

Service advantage

- completely sealed and dry for zero corrosion.
- short and rigid with negligible vibrations.
- replaceable shaft protecting sleeves.
- no threads exposed to pumped medium.
- adjustment-free assembly.
- quick and easy assembly/dismantling of the rotor components due to elastically prestressed mountings.



Excellent efficiencies

- computer-optimized double-entry impellers.
- smooth surfaces inside the casing and on the impeller.
- smooth, quiet running also guaranteed by a large impeller eye area.
- no drop in efficiency due to cost-effective, replaceable casing wear rings and impeller wear rings.

Long life bearings

- covered, sealed for life, grease-lubricated antifriction bearings for long service life.
- open gland enough space for service activities.

Application orientated seals

- asbestos-free, potable-water quality soft-packed stuffing boxes.
- or mechanical seals.



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Selection Charts

