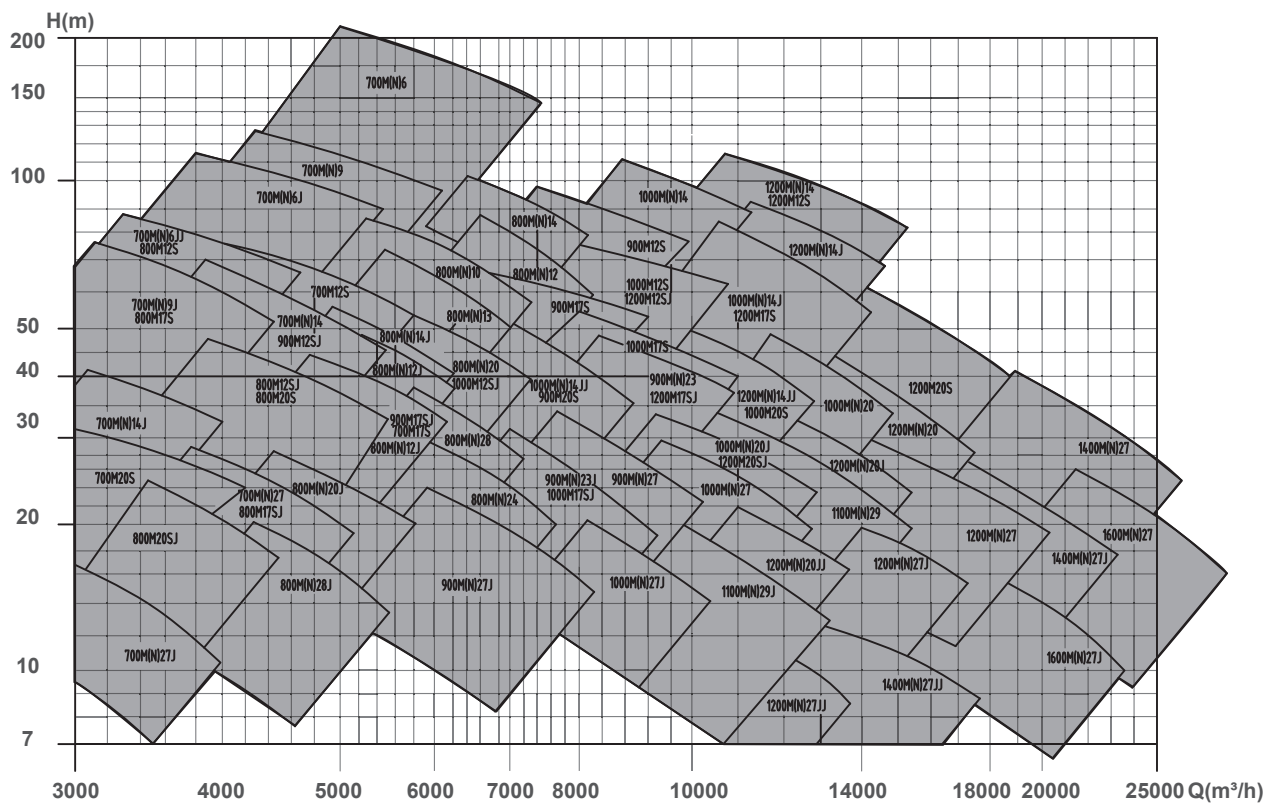
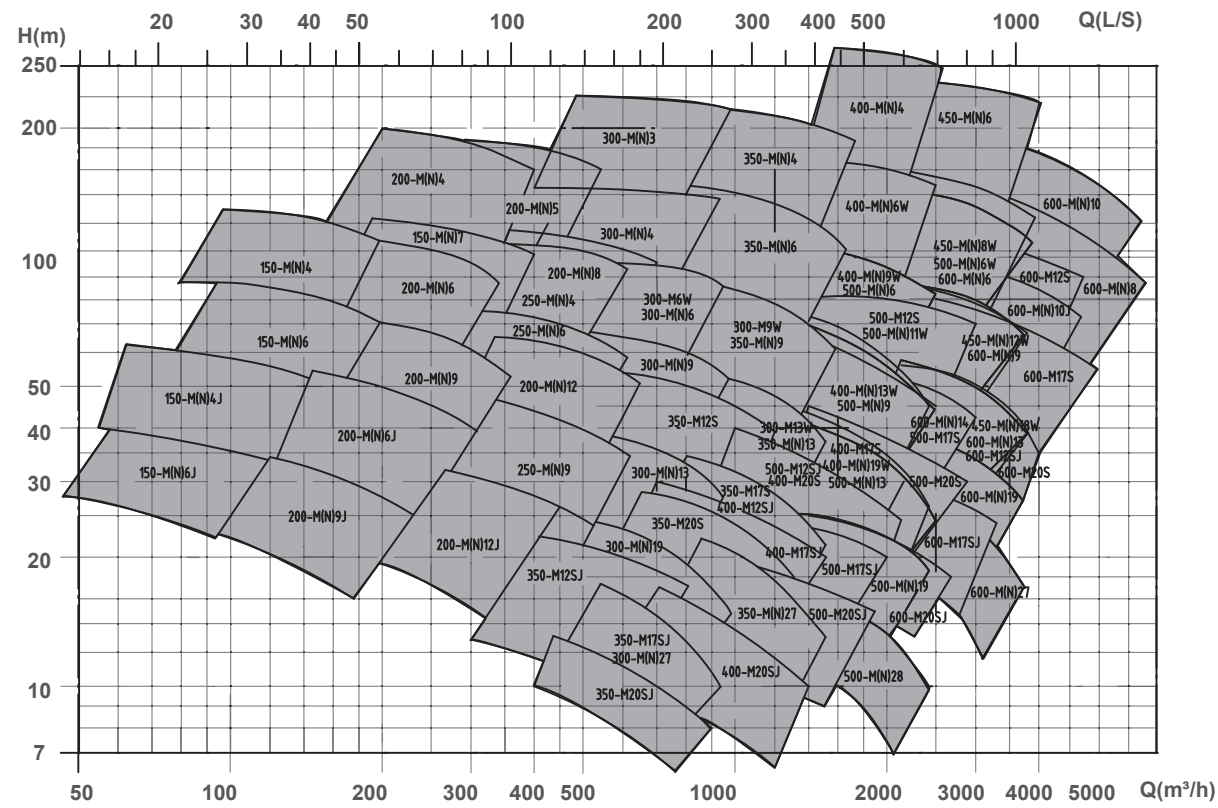


# Selection Chart 50HZ



## KQSN Series Axially split Volute Casing Pump

### Application

- For Handling Pure, Raw and Waste Water as Well as Seawater in
- Water Works
  - Irrigation and Drainage
  - Pumping Stations
  - Power Stations
  - Industrial Water Supply
  - Fire Fighting Systems
  - Marine and Offshore Engineering
  - General Applications in the Petrochemical industry
  - Seawater Desalination

Welcome to KaiQuan's website to learn more.

[www.kaiquangroup.com](http://www.kaiquangroup.com)



SK-ITD-170501-SC01 Ver.1

## Products Feature

### 01 Long Service Life, Low Operation / Maintenance Costs

Through the confined boundary CAE finite element stress analysis and calculation, voltage stability and durable, durable performance, reduce operation and maintenance costs.

### 02 Strong Anti-cavitation Ability, Meet All Conditions Required

Predicted using CFD fluent spiral and cavitation condition analysis, multiple comprehensive cavitation performance test summary, low guarantee NPSHR value with the full process required.

### 03 Simple Structure, Installation and Maintenance Convenient, Easy to Maintain

The effect of human learning design, simple structure, convenient installation and maintenance, saving maintenance funds and time.

### 04 High Efficiency, Low Energy Costs

Three yuan theory combined with dynamic CFD analysis of flow field simulation, optimization design flow components, high efficient area wide, energy conservation and consumption reduction, to reduce the life cycle cost.

### 05 Smooth and Reliable Operation, Spare Parts Improve the Service Life.

Reasonable design, sophisticated processing technology and perfect quality control, stable and reliable operation, long service life of the parts.

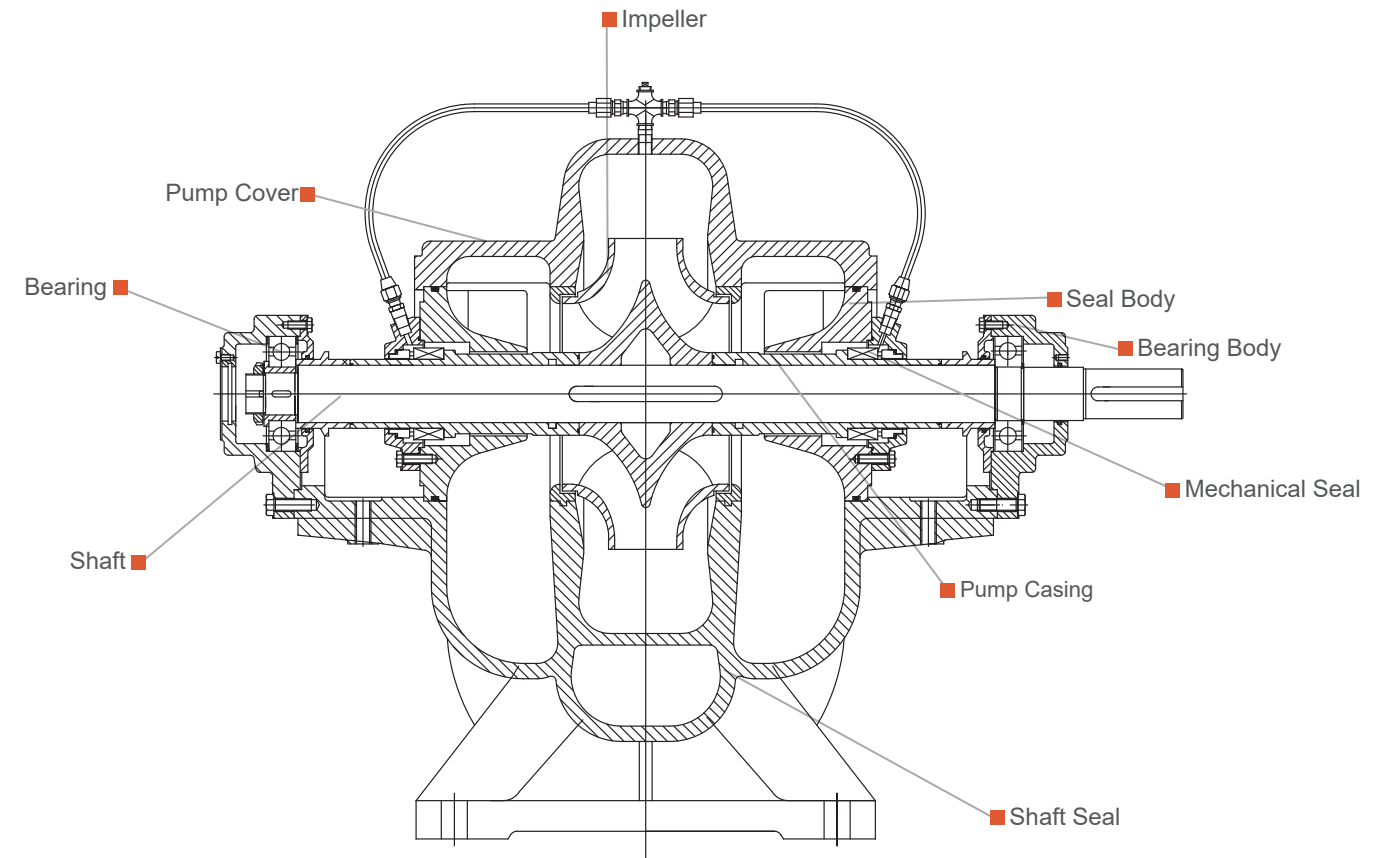
### 06 Variety of Sealing Combination Alternative, Reliable Shaft Seal

The design of the shaft seal combination, installation scheme is flexible, low friction power consumption, shaft sealing is reliable, easily maintained.

## Operation conditions

Capacity Range: 68 - 30000 m <sup>3</sup> /h	Head Range: 6 - 230 m
Medium Temperature: Maximum Temperature < 120 °C	Medium: Clean Water, Sea Water, Processing Liquid, etc.

## Product Structure



## Material

Casing	Cast Iron JIS FC250 ASTM A48M 250/Ductile Iron JIS FCD400-18 ASTM A546 60-40-18
Pump Cover	Cast Iron JIS FC250 ASTM A48M 250/Ductile Iron JIS FCD400-18 ASTM A546 60-40-18
Impeller	Cast Iron JIS FC250 ASTM A48M 250/Tin Bronze JIS BC3 ASTM B584/Silicon Bronze JIS SZBC1
Sealing Body	Cast Iron JIS FC250 ASTM A48M 250/Ductile Iron JIS FCD400-18 ASTM A546 60-40-18
Sealing Ring	Cast Iron JIS FC250 ASTM A48M 250/Tin Bronze JIS BC3 ASTM B584/Silicon Bronze JIS SZBC1
Shaft	Cast Steel JIS S45C ASTM 1045/Stainless Steel JIS SUS410 SUS420J1 AISI 410/420
Shaft Sleeve	Cast Steel JIS S45C ASTM 1045/Stainless Steel JIS SUS420J1/J2 SUS304/316 AISI 420/304/316
Shaft Seal	Mechanical Seal
Pump Base	Section Steel JIS SS400 ASTM A36

**Note:** The materials of the components are not limited to the mentioned forms. They can be chosen according to requirements of customers.