

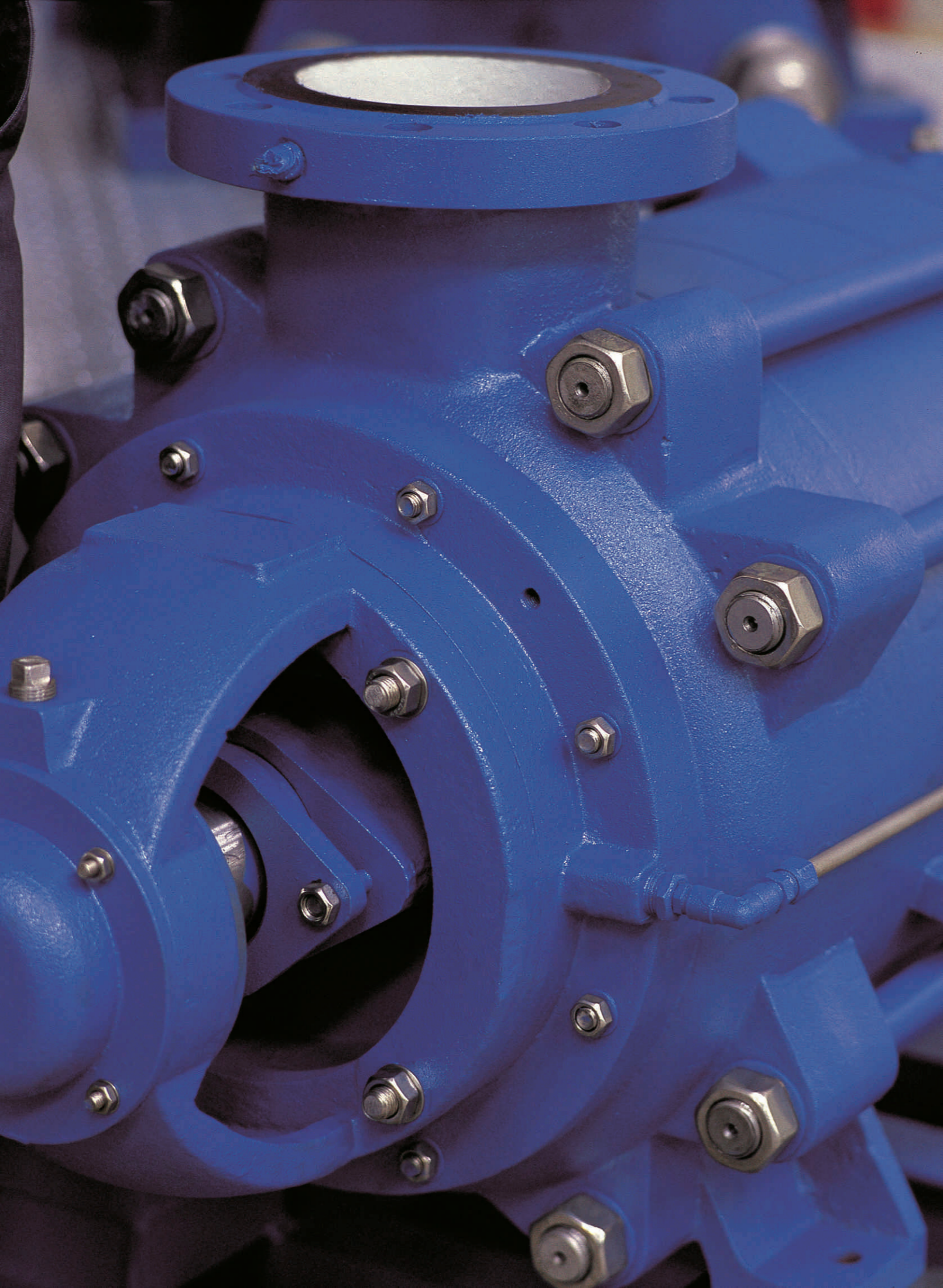


## DL (I) & DL (I)

### **Multistage Horizontal Centrifugal Pump**







## Multistage Horizontal Centrifugal Pump

### Application

- Water Plant
- Pressure Boosting
- Fire Fighting
- Sprinkling and Irrigation
- General Industrial Services
- Mines
- Boiler Feed
- Sea Water



### Medium

- Clear water and the liquid which is similar with clear water on the physical and chemical properties.
- Corrosive medium which hasn't the particles such as the trade waste, saltwater, acid water, and sea water etc.
- Corrosive medium which has many solid particles such as the sewage, waster water, water with sand and oxide scale water etc.
- Temperature not exceeds 80°C.

### Operating Data

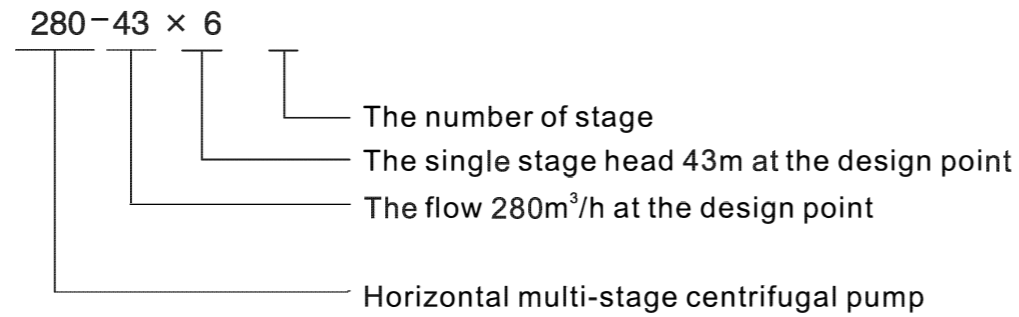
Diameters of inlet and outlet: 40~300mm

Capacity:  $Q=3.75\sim 1020\text{m}^3/\text{h}$

Head:  $H=19\sim 1080\text{m}$



## Type Description



## Design

- HMC pump is horizontal, radially split ring section pumps of modular design.
- HMC pump is high efficiency, wide application, safety and reliable running, low noise, easy installation and maintains, and long service life etc.
- NDB Bearing Arrangement with Balance Disk  
With a balance disk the axial force is completely compensated, no axial thrust bearing is required. Due to the smaller balancing leakage flow, total efficiency of the pump is higher compared to the balance drum design.
- Investment cost as well as life cycle cost is taken into consideration when designing the best possible pump. An optimized hydraulic design guarantees best efficiency.

## Material

<b>Casing:</b>	Cast Iron	Ductile Cast Iron	Cast Steel	Stainless Steel or Duplex S.S
<b>Impeller:</b>	Cast Iron	Bronze	Duplex S.S	Stainless Steel
<b>Shaft:</b>	C-Steel	Cr-Steel	Stainless Steel	

## Standard

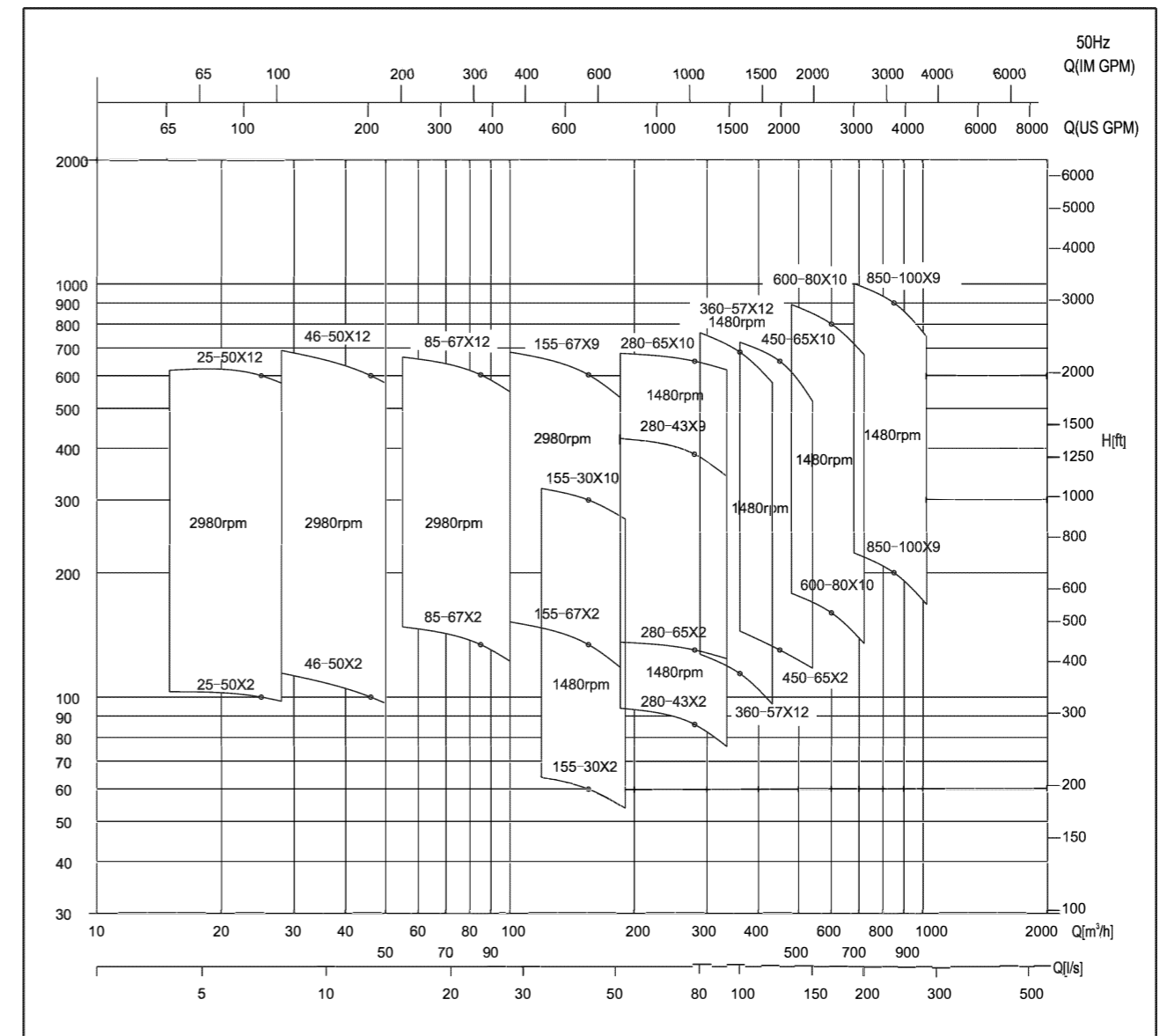
ANSI/API610-2004

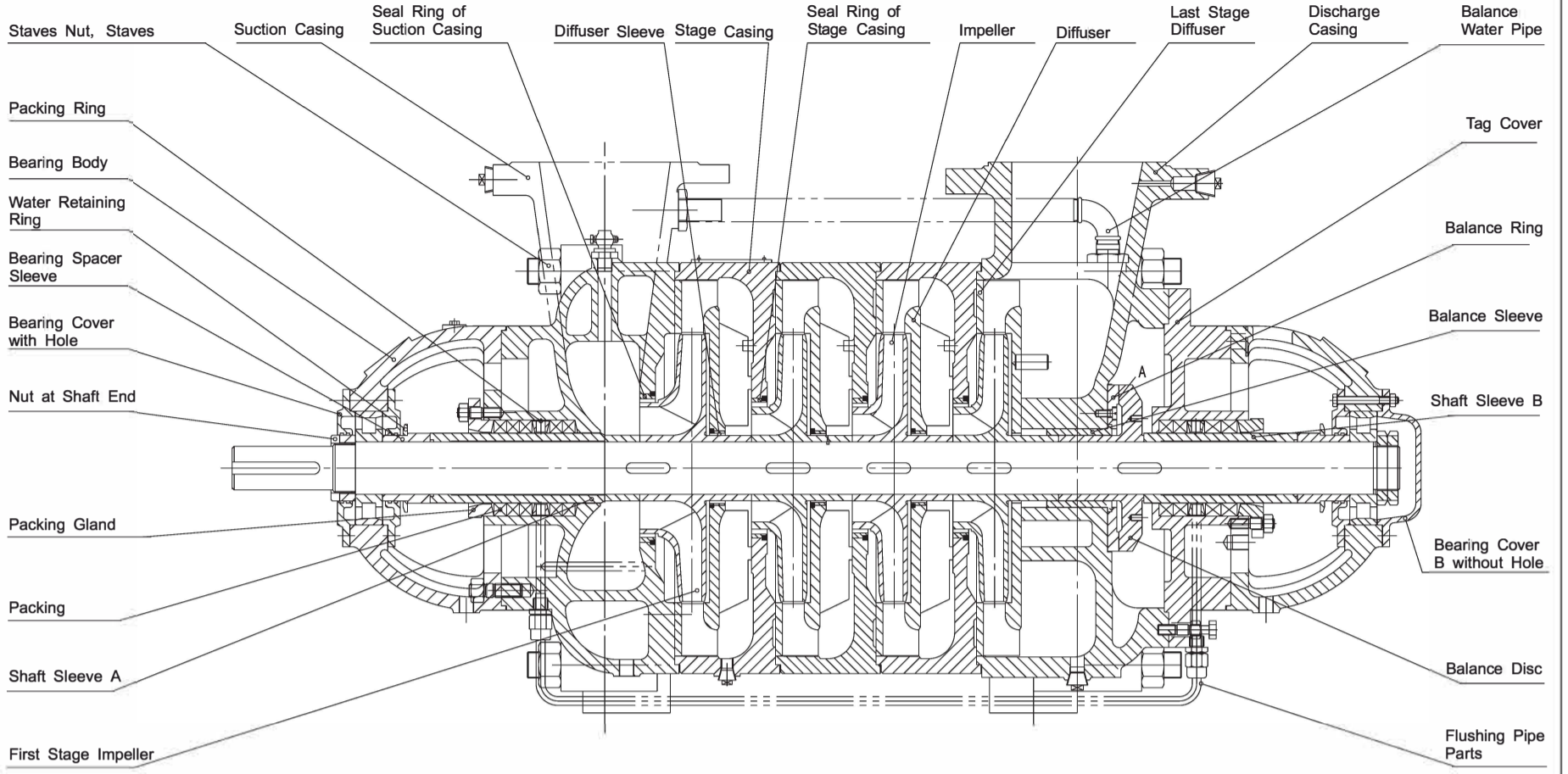
ISO9001:2000

## Construction Features

- Suction is on the horizontal direction, the discharge is on the vertical direction.
- The rotor assembly: the impeller, shaft sleeve, balance disc etc.
- The mechanical seal or the packing seal is optional.
- Pump is clockwise viewed from the prime mover.
- The pump can be the multi-discharge construction and function according to the customer's requirements.

## HMC Pump Selection Chart





**HMC Pump Rolling Bearing Construction Drawing**