



# PRESENTATION

## Pumping water. Pumping honor

CNP pursues high-level service for pump customers. Global water challenges require excellent pumping technology and close cooperation between pump designers, manufacturers and engineers.

In order to better meet customers' needs and requirements, CNP is expanding its operations worldwide. We've succeeded in providing timely and effective service in more than 50 countries.

CNP has set up a wide range of pumping solutions for many applications like building service, industry, irrigation and industrial process. Customers find out highest performance in booster sets, fire-fighting sets, underground water pumping, HVAC, drainage and sewage utilities, desalination and OEM production.



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# PRODUCTS

**TECHNICAL DATA**

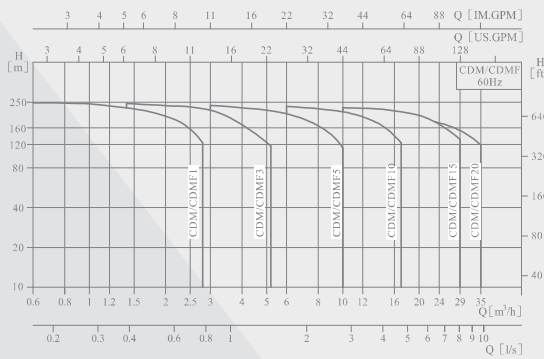
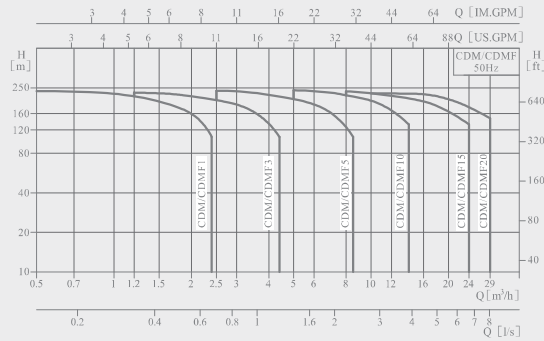
Flow rate : 0.5m³/h~35m³/h  
 Head : 4m~250m  
 Temp : -15°C~+120°C  
 Power : 0.37kW~18.5kW  
 Material : Stainless steel  
 Efficiency: MEI>0.7

**APPLICATIONS**

CDM/CDMF pumps are designed for a variety of applications from the pumping of potable water to the pumping of industrial liquids. Applied for liquids of different temperature, different rated flow, different pressure range. CDM is suitable for non-corrosive liquid, CDMF is suitable for light corrosive liquid.



**PERFORMANCE SCOPE**



**TECHNICAL DATA**

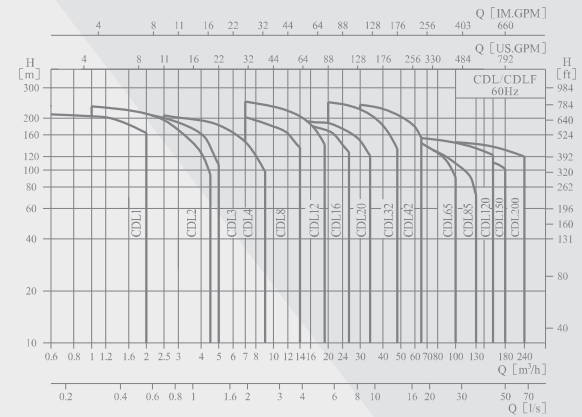
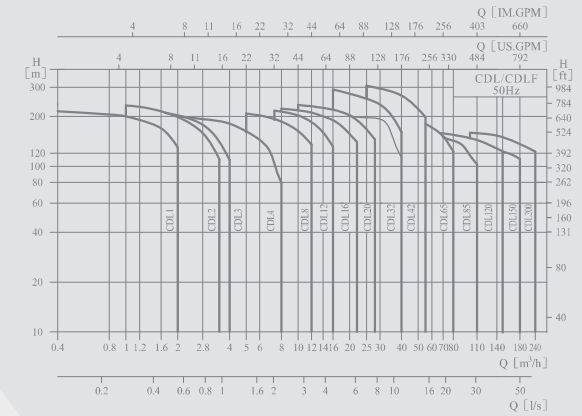
Flow rate : 0.4~240m³/h  
 Head: 4~305m  
 Temp : -15°C~+120°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

- Water treatment systems
- Industrial washing systems
- Water supply systems
- Firefighting systems
- Cooling & air-conditioning systems
- Boiler feed systems
- Other industrial applications



**PERFORMANCE SCOPE**



**TECHNICAL DATA**

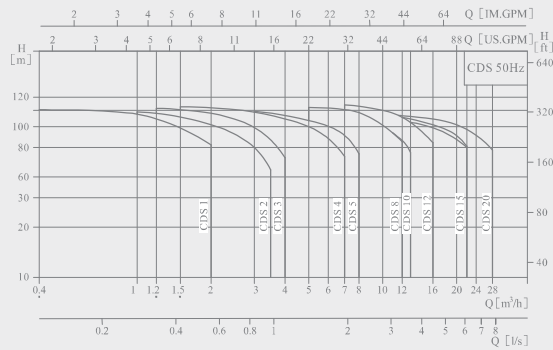
Flow rate : 0.4m³/h~28m³/h  
 Head : 4m~108m  
 Temp : -15°C~+70°C  
 Power : 0.37kW~7.5kW  
 Material : Stainless steel

**APPLICATIONS**

- CDS pumps are mainly used in industrial field:
- Water supply
- Industrial boosting
- Cooling system
- Industrial cleaning(Machine washing)
- Water treatment
- Aquaculture(Irrigation)
- Other special application



**PERFORMANCE SCOPE**



**TECHNICAL DATA**

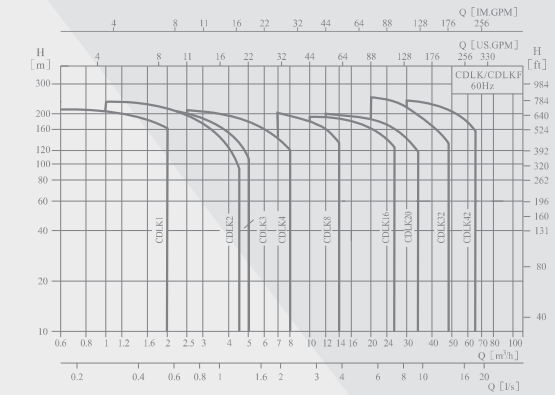
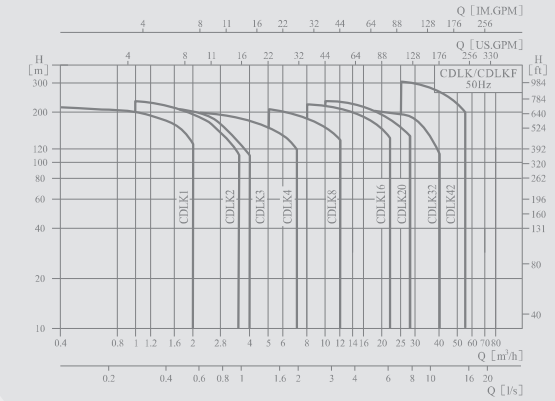
Flow rate : 0.4~65m³/h  
 Head : 6~305m  
 Temp : -15°C~+105°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

- Machine tools cooling systems
- Industrial washing systems
- Chiller units
- Industrial filtration systems
- Other industrial applications



**PERFORMANCE SCOPE**



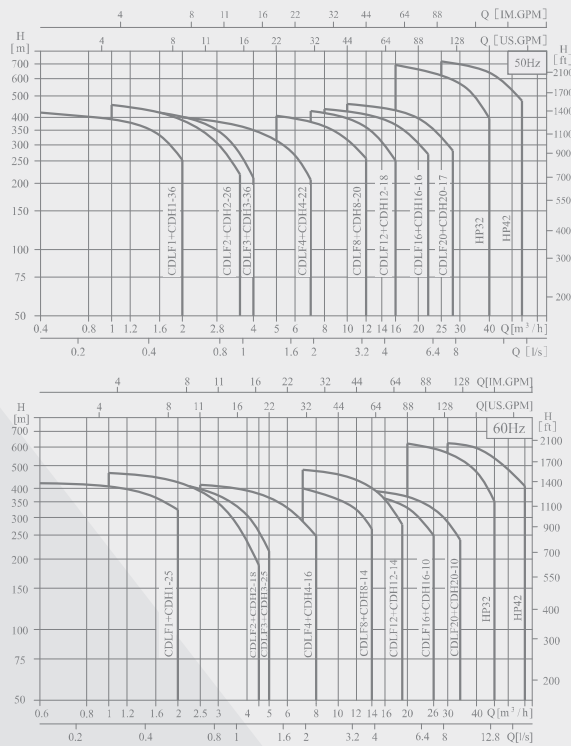
**TECHNICAL DATA**

Flow rate : 0.4~65m<sup>3</sup>/h  
 Head : 110~718m  
 Temp : -15°C~+120°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

MF/UF/NF/RO systems  
 High pressure washing systems  
 Industrial boosting systems  
 Other industrial applications

**PERFORMANCE SCOPE**



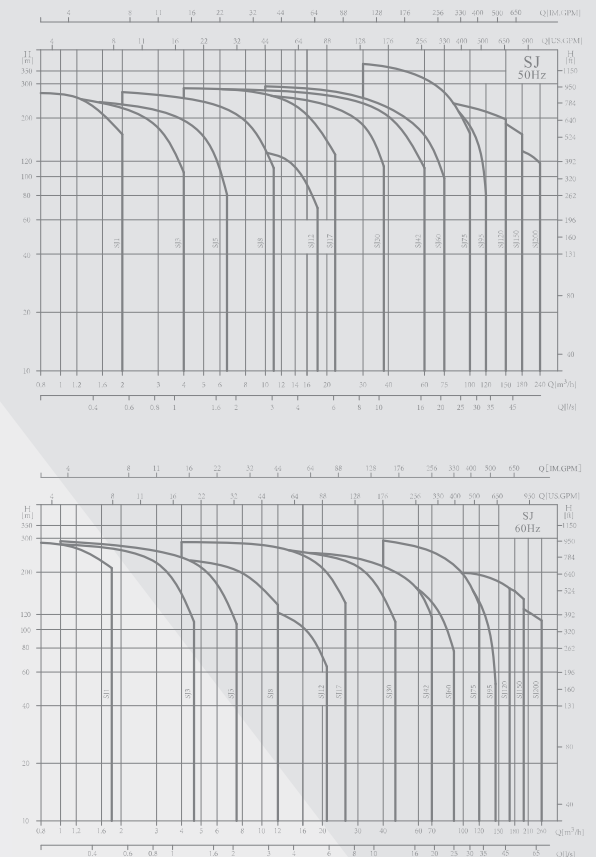
**TECHNICAL DATA**

Flow rate : 0.2~260m<sup>3</sup>/h  
 Head : 4~381m  
 Temp : max.+25°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

Groundwater pumping  
 Water supply systems  
 Ground source heat pump systems  
 Groundwater lowering  
 Irrigation in horticulture & agriculture  
 Other industrial boosting systems

**PERFORMANCE SCOPE**



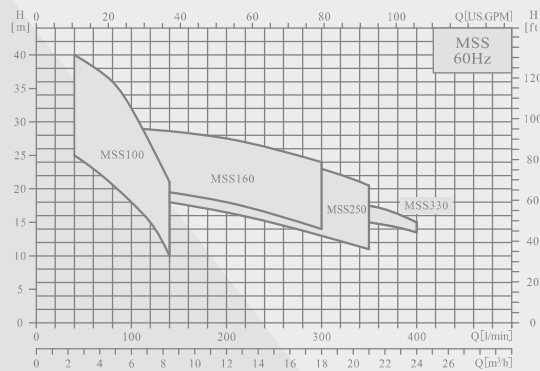
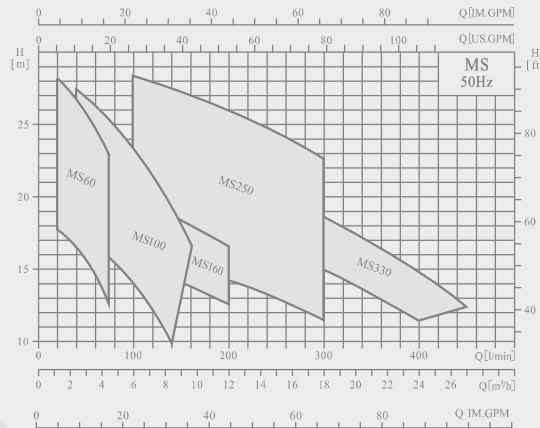
**TECHNICAL DATA**

Flow rate : 1.2~27m<sup>3</sup>/h  
 Head : 10~40m  
 Temp: -10°C~+85°C  
 Voltage: 220V/380V  
 Material: Stainless steel

**APPLICATIONS**

- Water treatment systems
- Water supply for family houses
- Water supply for small hotel
- Small office buildings
- Family gardening irrigation systems
- Other pressure boosting systems

**PERFORMANCE SCOPE**



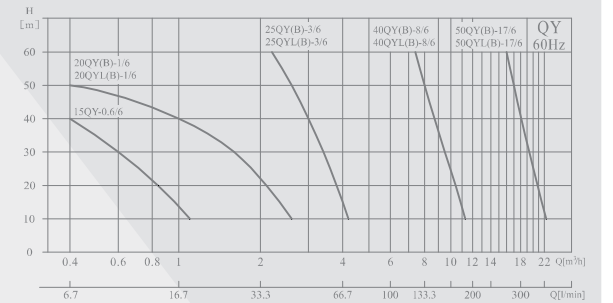
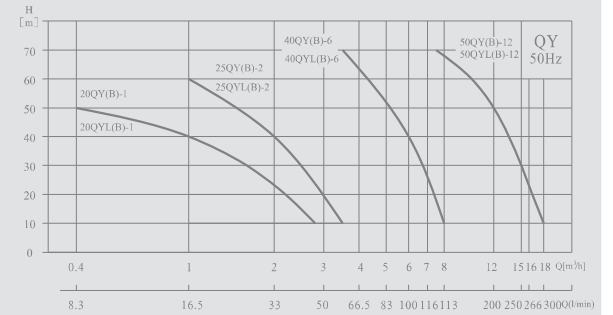
**TECHNICAL DATA**

Flow rate : 0.4~18m<sup>3</sup>/h  
 Head : 10~70m  
 Temp: -15°C~+105°C  
 Voltage: 220V/380V  
 Material: Stainless steel

**APPLICATIONS**

- Air–float treatment facilities
- Ozone water generator
- Heavy–oxygen–enriched water generator
- Biochemical aeration devices
- Other industrial applications

**PERFORMANCE SCOPE**





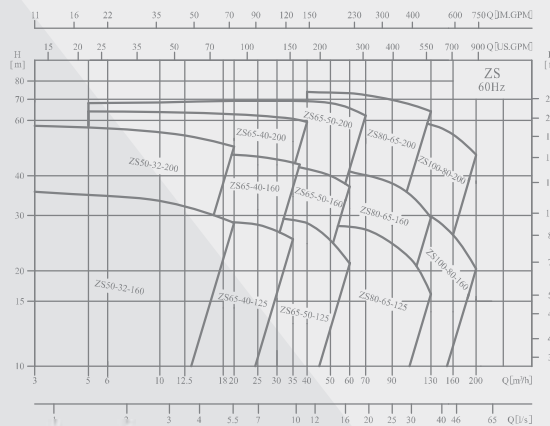
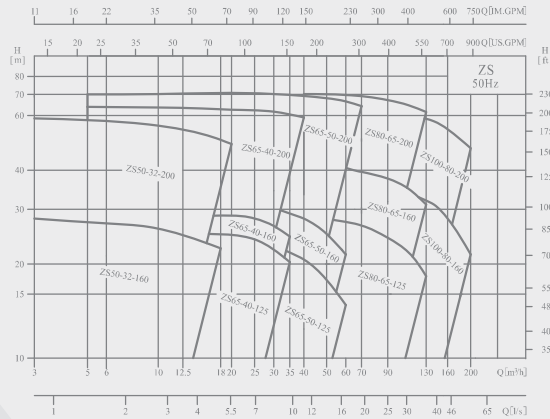
**TECHNICAL DATA**

Flow rate : 3~200m<sup>3</sup>/h  
 Head : 8.8~73.7m  
 Temp: -20°C~+100°C  
 Voltage: 220V/380V  
 Material: Stainless steel

**APPLICATIONS**

Water treatment systems  
 Other pressure boosting systems

**PERFORMANCE SCOPE**



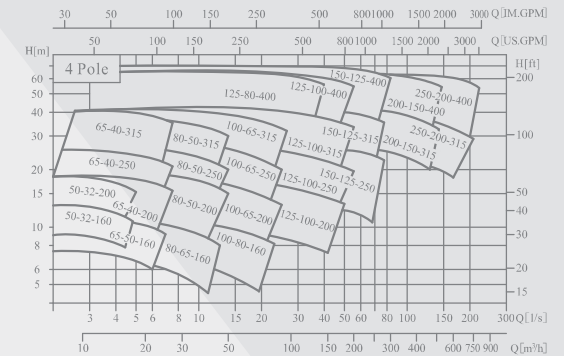
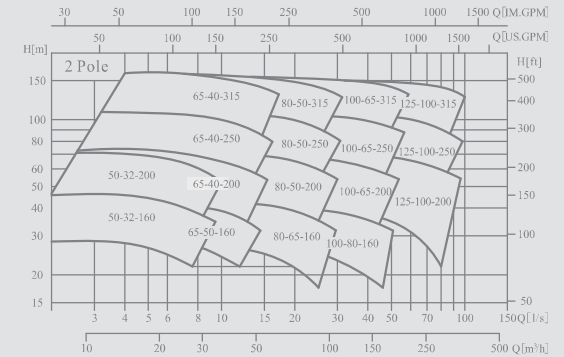
**TECHNICAL DATA**

Flow rate : 3~1200m<sup>3</sup>/h  
 Head : 4~160m  
 Temp: -15°C~+110°C  
 Voltage : 220V/380V  
 Material : Stainless steel/Cast iron

**APPLICATIONS**

Water treatment systems  
 HVAC systems  
 District heating  
 Industrial cooling systems  
 Firefighting systems  
 Other pressure boosting systems

**PERFORMANCE SCOPE**







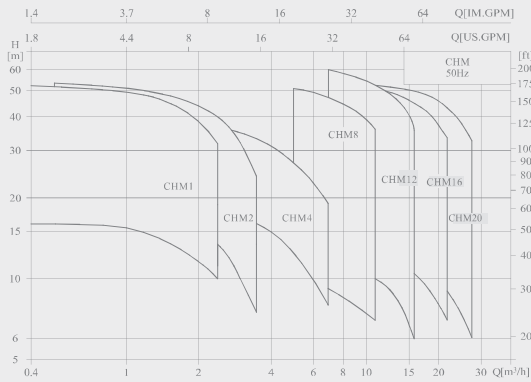
**TECHNICAL DATA**

Flow rate : 0.4m<sup>3</sup>/h~28m<sup>3</sup>/h  
 Head : 6m~60m  
 Temp : -15°C~+105°C  
 Power : 0.25kw~4.4kW  
 Material : Stainless steel

**APPLICATIONS**

- CHM series pump is mainly used in industry.
- Air Conditioning System
- Cooling System
- Water Treatment(Water Purification)
- Aquaculture
- Fertilization/Measuring system
- Environmental Application
- Other specific Applications

**PERFORMANCE SCOPE**



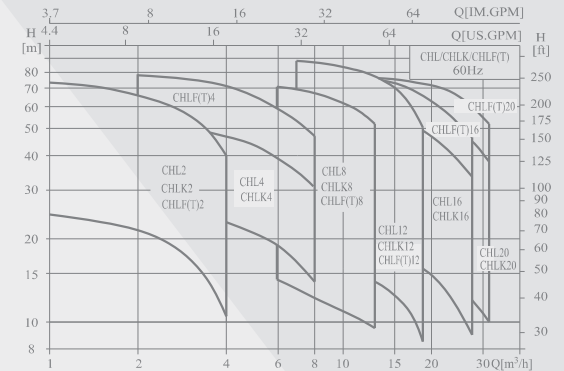
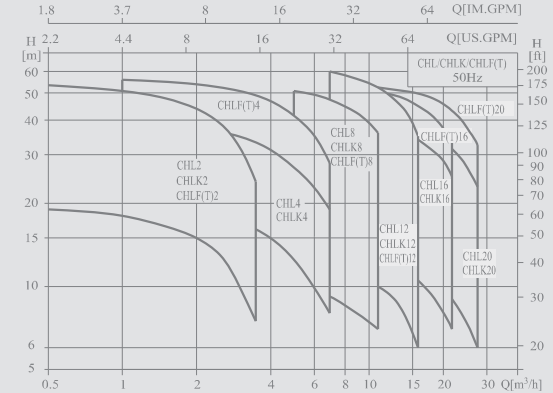
**TECHNICAL DATA**

Flow rate : 0.5~32m<sup>3</sup>/h  
 Head : 6~88m  
 Temp : -15°C~+105°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

- Water treatment systems
- Industrial cooling systems
- Industrial washing systems
- Small central air-conditioning systems
- Other industrial applications

**PERFORMANCE SCOPE**



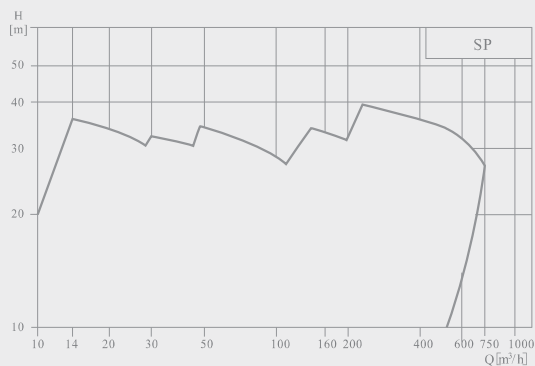
**TECHNICAL DATA**

Flow rate : 10~750m<sup>3</sup>/h  
 Head : 3~38m  
 Temp: 0°C~+40°C  
 Voltage : 220V/380V  
 Material : Cast iron/Ductile iron

**APPLICATIONS**

- Municipal sewage drainage
- Paper-making industry
- Textile industry
- Food & drug factory
- Chemical industry
- Mining
- Aquaculture
- Other sewage drainage systems

**PERFORMANCE SCOPE**



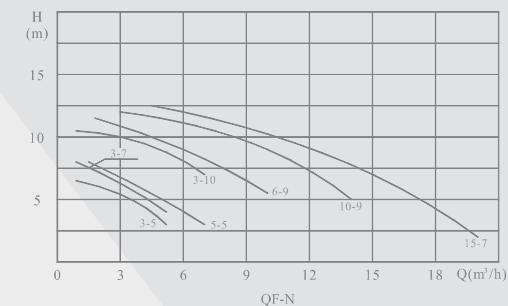
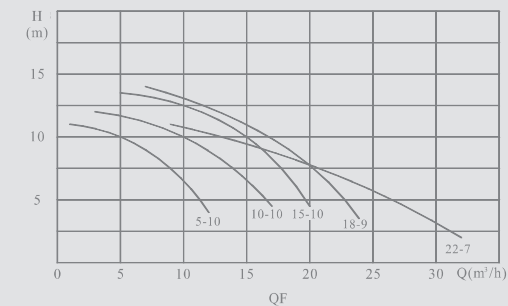
**TECHNICAL DATA**

Flow rate : 3m<sup>3</sup>/h~22m<sup>3</sup>/h  
 Head : 5m~10m  
 Temp : -15°C~+40°C  
 Power : 0.12kw~1.1kW  
 Material : Stainless steel  
 Submersible pump,max submerged depth is 5m.

**APPLICATIONS**

- Garden irrigation, cultivation, municipal flood drainage and fountain;
- Sea water or similar as water which contains normal corrosive liquid;
- Drainage for river water, lake, rain water.

**PERFORMANCE SCOPE**



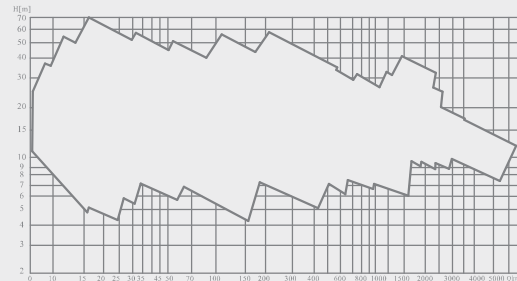
**TECHNICAL DATA**

Flow rate : 3~1800m<sup>3</sup>/h  
 Head : 2~66m  
 Temp : 0°C~+40°C  
 Voltage : 220V/380V  
 Material : Cast iron/Stainless steel

**APPLICATIONS**

- Municipal water supply plants
- Storm water drainage
- Sewage & wastewater pumping
- Digested sludge transferring
- Cooling water transferring
- Industrial water drainage
- Agriculture irrigation
- Other industrial applications

**PERFORMANCE SCOPE**



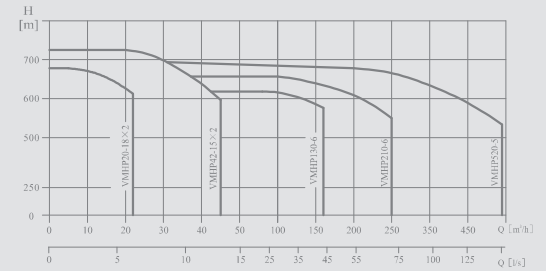
**TECHNICAL DATA**

Flow rate : 5~540m<sup>3</sup>/h  
 Head : 533~725m  
 Temp : ambient temperature  
 Voltage : 380V/660V/3000V/6000V  
 Material : Stainless steel/Super austenitic stainless steel

**APPLICATIONS**

R/O seawater desalination

**PERFORMANCE SCOPE**



**TECHNICAL DATA**

Flow rate : 0~212m<sup>3</sup>/h  
 Head : 7~60m  
 Temp : 0°C~+40°C  
 Voltage : 220V/380V  
 Material : Stainless steel

**APPLICATIONS**

Residential buildings sewage discharge  
 Pubic buildings sewage discharge  
 Industrial sewage or waste water discharge  
 Water discharge in other places

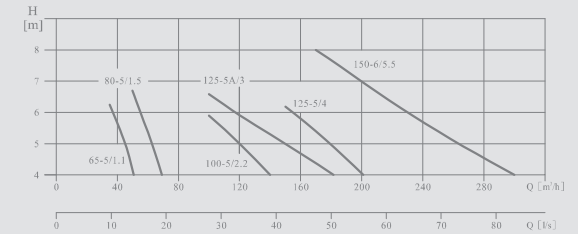
**TECHNICAL DATA**

Flow rate : 35~300m<sup>3</sup>/h  
 Head : 4~8m  
 Temp : -15°C~100°C  
 Voltage : 220V/380V  
 Material : Cast iron/Stainless steel

**APPLICATIONS**

Water circulation of closed cooling tower and condenser  
 Cooling of various unit equipment

**PERFORMANCE SCOPE**



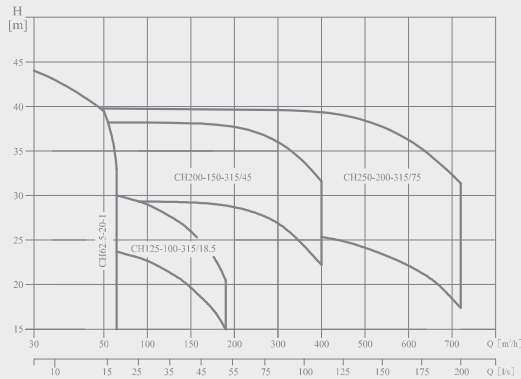
**TECHNICAL DATA**

Flow rate : 30–720m<sup>3</sup>/h  
 Head : 20.5–44m  
 Temp : ambient temperature  
 Voltage : 380V  
 Material : Duplex stainless steel/Super austenitic stainless steel

**APPLICATIONS**

R/O seawater desalination

**PERFORMANCE SCOPE**



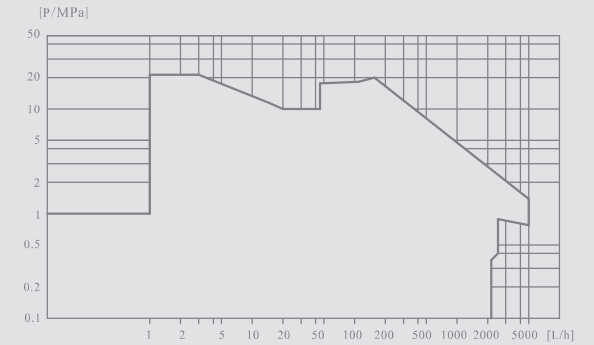
**TECHNICAL DATA**

Flow range : 2L/h~1800L/h  
 Maximum discharge pressure : 12bar  
 Regulating ratio : 10:1  
 Steady precision : ±2%  
 Inhaled hoisting height : 3m spout  
 Maximum suction pressure : 2 bar  
 Maximum temperature of absorption material : 40°C

**APPLICATIONS**

Water treatment process of municipal, industrial water and waste water or swimming pool

**PERFORMANCE SCOPE**



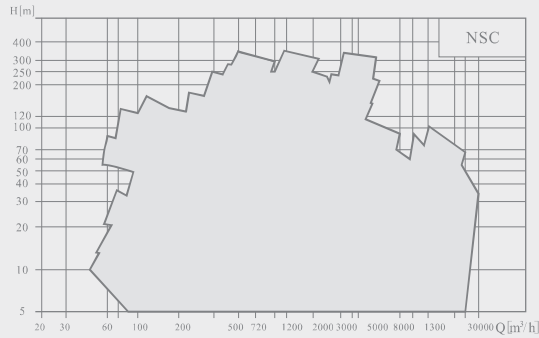
**TECHNICAL DATA**

Flow rate : 90~20000m³/h  
 Head : 11~230m  
 Temp : max.+105°C  
 Speed : 50Hz:2980/1480/980/  
 740/590rpm  
 60Hz:3500/1750/1180/  
 890/710  
 Material : Cast iron/cast steel/  
 stainless steel

**APPLICATIONS**

Water supply plants  
 District heating systems  
 Air-conditioning systems  
 Industrial cooling systems  
 Seawater desalination systems  
 Petrochemical industry  
 Firefighting systems  
 Other industrial applications

**PERFORMANCE SCOPE**



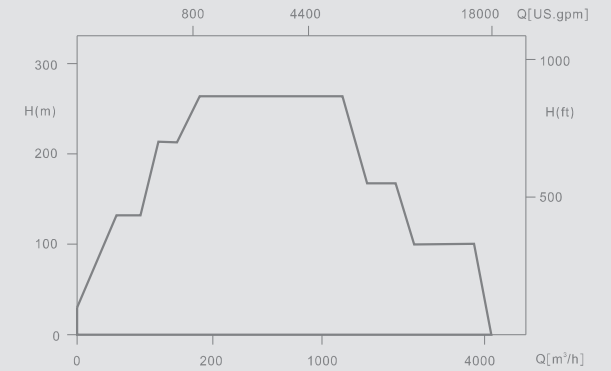
**TECHNICAL DATA**

Flow rate : max.1000-8000m³/h  
 Head : max.20m  
 Temp : max.+200°C  
 Speed : 980/740/590/490rpm  
 Material : Cast iron/cast steel/  
 stainless steel

**APPLICATIONS**

Agricultural irrigation  
 Industrial & municipal drainage  
 Sewage transferring  
 Construction projects drainage  
 Lake desilting drainage  
 Sandy water transferring

**PERFORMANCE SCOPE**



**PUMP TYPE**

KDY: Designed according to API610 BB3  
 NDS: Designed for water pumping

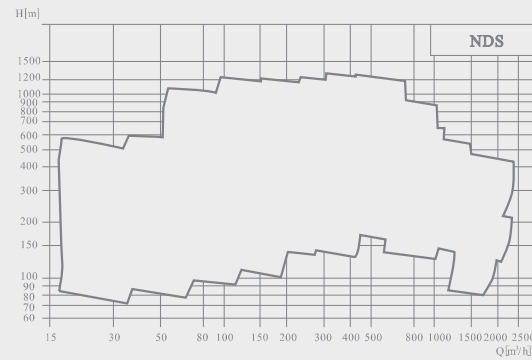
**TECHNICAL DATA**

Flow rate : max.5000m<sup>3</sup>/h  
 Head : 1200m  
 Temp: max.+200°C  
 Speed : 2900/1450/980/740rpm  
 Material : Cast iron/cast steel/  
 stainless steel

**APPLICATIONS**

Waste water & oil , residual oil transferring  
 Crude oil & product oil transferring  
 Water supply pipelines  
 Long-distance water transferring  
 High pressure water injectiong  
 Seawater desalination

**PERFORMANCE SCOPE**



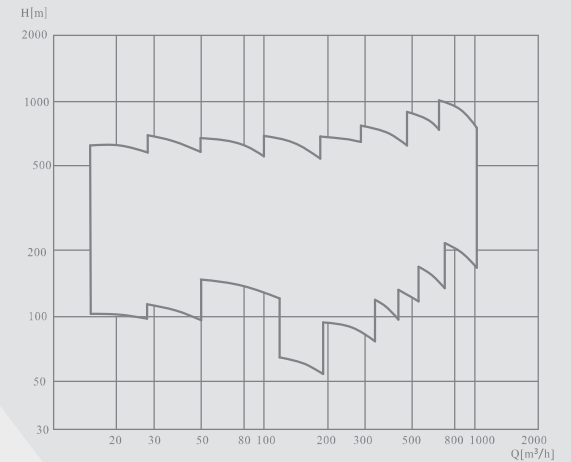
**TECHNICAL DATA**

Flow rate : 3.75~1020m<sup>3</sup>/h  
 Head : 19~1080m  
 Temp : max.80°C  
 Material : Cast iron/cast steel/  
 stainless steel

**APPLICATIONS**

Municipal water supply & drainage  
 Small boiler feed systems  
 Water supply for high buildings  
 Mining drainage  
 Seawater desalination  
 Gardening irrigation systems  
 Firefighting systems  
 Other industrial systems

**PERFORMANCE SCOPE**





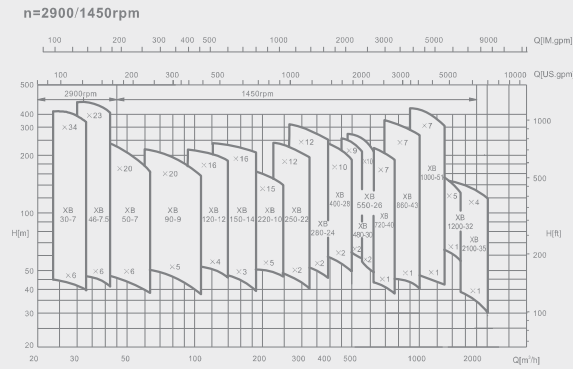
**TECHNICAL DATA**

Flow rate : max.50000m<sup>3</sup>/h  
 Head : max.300m  
 Temp : max.+35°C  
 Speed : 2900/1480/980/730/  
 590/490/370rpm  
 Material : Stainless steel

**APPLICATIONS**

- Municipal water supply systems
- Flood control and drainage
- Water lifting from deep-well
- Agricultural irrigation
- Mining drainage
- Seawater desalination systems
- Firefighting systems
- Other industrial applications

**PERFORMANCE SCOPE**



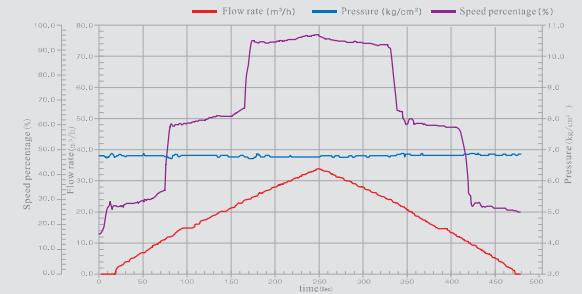
**TECHNICAL DATA**

Flow rate : 0.4~1440m<sup>3</sup>/h  
 Head : 4~305m  
 Temp : 0°C~+70°C  
 Voltage : 380V  
 Material : Stainless steel

**APPLICATIONS**

- Water supply for residential & public buildings
- Garden irrigation
- Water supply for industrial uses
- Other applications

**PERFORMANCE SCOPE**





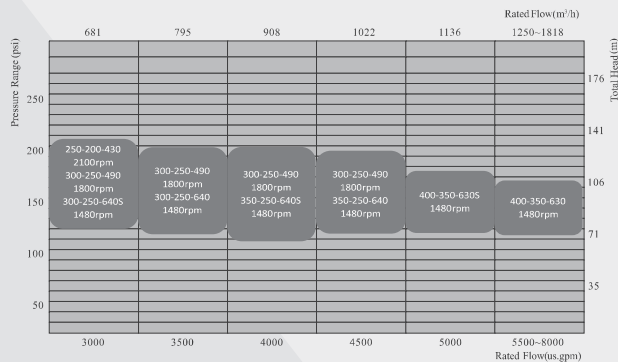
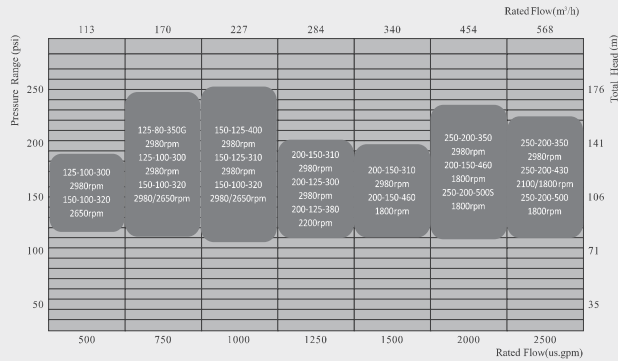
**TECHNICAL DATA**

Flow rate : 500~6000 GPM  
 Head : 40~251 PSI  
 Material : Cast iron  
 With diesel engine  
 Power : 55~7400kW  
 Speed : 1480~3550rpm  
 With electric motor  
 Voltage : 380V~11000V

**APPLICATIONS**

- Oil depots
- Oil jetties
- Offshore platforms
- Substations
- Power plants
- Metallurgy industry
- Mining
- Steel works
- Municipal industry

**PERFORMANCE SCOPE**



**TECHNICAL DATA**

Voltage : AC220V  
 Power : 60W  
 Volume : 3L  
 Standby time : 1~999 min.  
 Single work time : 1~999 sec.  
 Pressure test : Yes  
 Oilpipe specification : Φ4/Φ6  
 PN : 15kg/cm²

**APPLICATIONS**

- Punching machine
- Press machine
- Shear plate bending machine
- Injection molding machine
- Die casting machine



## Precision casting

### Casting capacity

Weight : 0.02~260kg

Diam : 10~1000mm

Min Thickness : 2mm

Min Hole Diam : 3mm



## Sand casting

### Casting capacity

Weight : 1~5000kg

Diam : 30~3000mm

Min Thickness : 8mm

Min Hole Diam : 18mm



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