





Pumping Water Pumping Honor

Company Profile



Founded in 1991, Nanfang Pump Industry Co., Ltd. (hereinafter referred to as CNP) has been listed on the Shenzhen Stock Exchange on 9th December 2010; Stock name: CNP; Stock code: 300145.

As the first enterprise specializing in the research and large-scale production of stainless steel stamping welded centrifugal pump in China, CNP is currently the professional manufacturer with the highest volume of production and marketing in that industry. It ranks first in the country in terms of product scope, sales volume, and production quality. The company has set up a complete network of marketing services to meet the requirements of overseas markets as well as domestic needs. The products have seen a wide range of application in the area of pressurization, industry, living water, cycling of air-conditioning water, heat supply, fire extinguishing system, pumping of underground water, treatment of sewage and waste water, chemical industry and desalination of sea water etc.

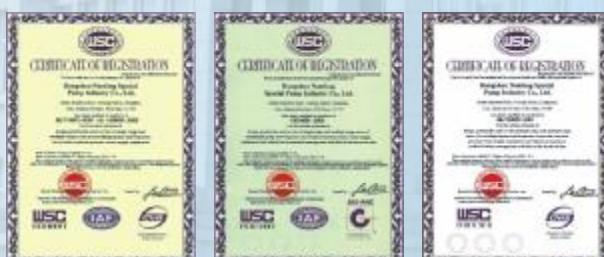
CNP has now entered into the fast track of development and has taken a major step forward in forging China Strong Pump Enterprise and World's famous brand in the Pump Industry. In order to better meet the client's needs and requirements for expansion, it has set up a wide network of selling and service, as well as offices and service centers in major cities in China, which are aimed at providing timely and effective services for our clients. Meanwhile, our company has successfully penetrated into the world market by forging a good business relationship with more than 50 countries and regions in the Europe, Northern America, and Southeast Asia etc.



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CE CERTIFICATION



ISO9001

ISO14001

OHSMS8001

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CDL(F)

Light Vertical Multistage Centrifugal Pump



Technical data

- Liquid temp:
Normal type -15°C ~ +70°C
Hot water type +70°C ~ +120°C
- Ambient temp: Max. +40°C
- Altitude: Max. 1000m

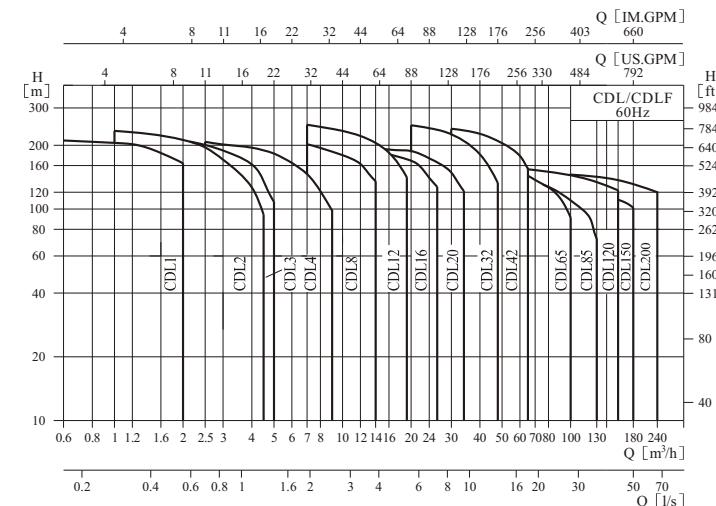
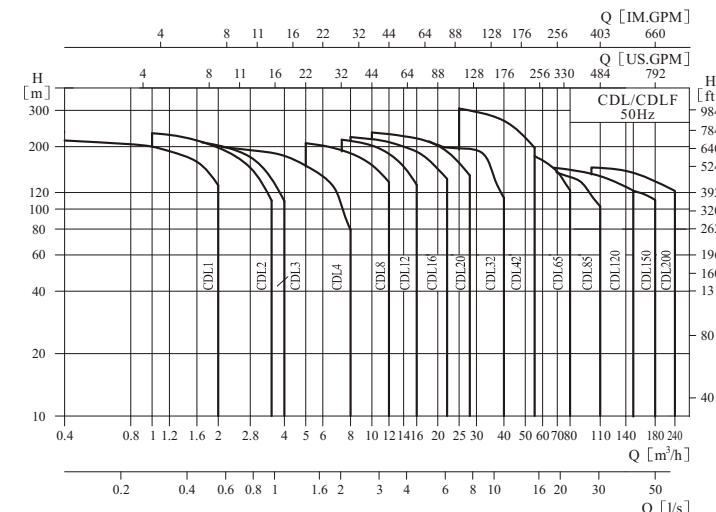
Applications

- Water supply: Water filter and water transfer in waterworks, boosting of main pipeline, boosting in high-rise buildings.
- Industrial boosting: Process flow water system, cleaning system, high-pressure washing system, fire fighting system.
- Industrial liquid conveying: cooling and airconditioning system, boiler water supply, condensing system, machine-associated purpose, acids and alkali.
- Water treatment: Ultra-filtration system, reverse osmosis system, distillation system, separator, swimming pool.
- Irrigation: Farmland irrigation, spray irrigation, dripping irrigation.

Features and benefits

- Reliability
- High pressure
- Service-friendly
- Space-saving
- Suitable for slightly aggressive liquids
- Single pump solution enabling high pressure
- High efficiency

Performance scope





Technical data

- Liquid temp.:
 - Normal type: -15°C ~ +70°C
 - Hot water type: +70°C ~ +110°C
- Ambient temp.: Max. +40°C
- Max. operating pressure: 10 bar

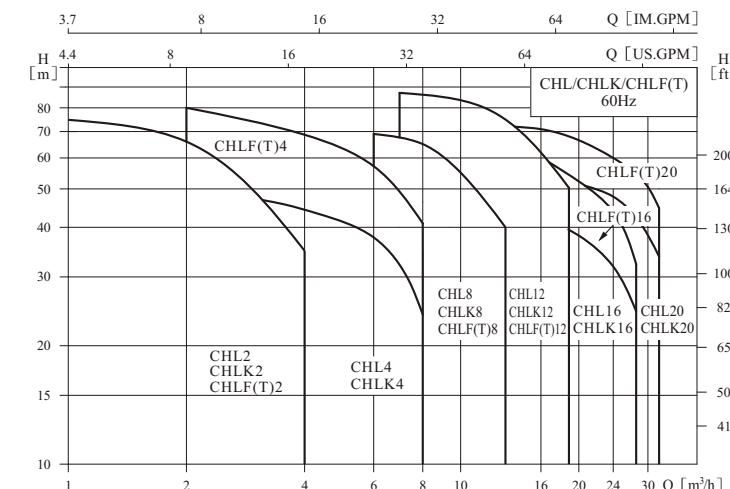
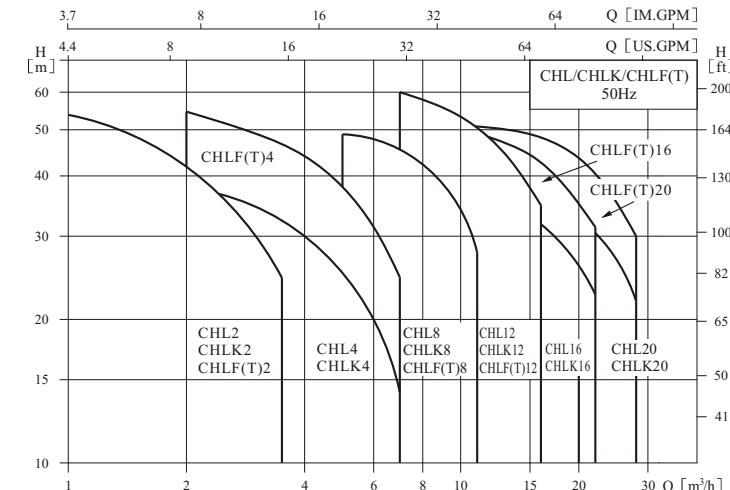
Applications

- Air-conditioning system
- Cooling system
- Industrial cleaning
- Water treatment (Water purification)
- Aquaculture
- Fertilizing/metering system
- Environmental application
- Other special applications

Features and benefits

- Compact design
- Low-noise
- Long service life
- Easy to install and operate
- High efficiency

Performance scope




Technical data

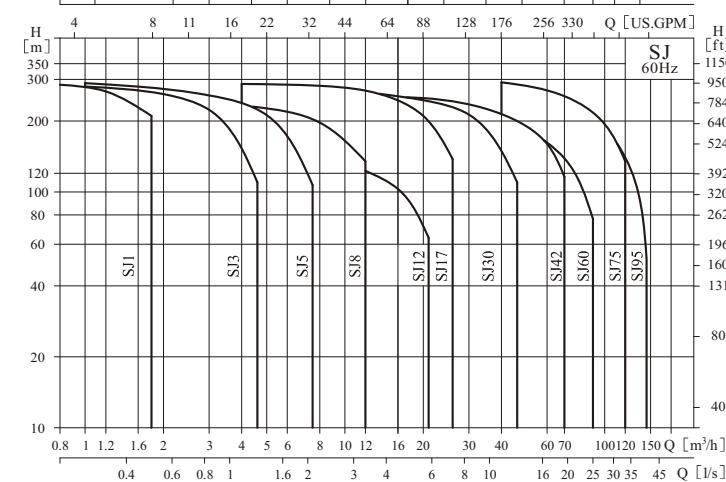
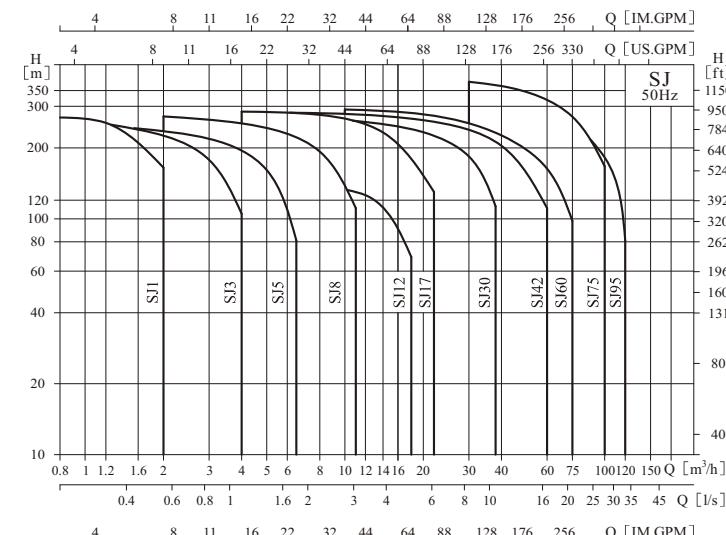
- Liquid temp.: Max. +35°C
- Max. operating pressure: 30 bar
- PH Value: 6.5~8.5
- Submerged depth: Max. 50m

Applications

- Water supply and irrigation system
- Groundwater lowering
- Booster
- Various industrial applications

Features and benefits

- Efficient
- Durable

Performance scope


CDLK(F)

Immersion Type Multi-stage Centrifugal Pump



Technical data

- Liquid temp.:
 - Normal type: -15°C ~ +70°C
 - Hot water type: +70°C ~ +120°C

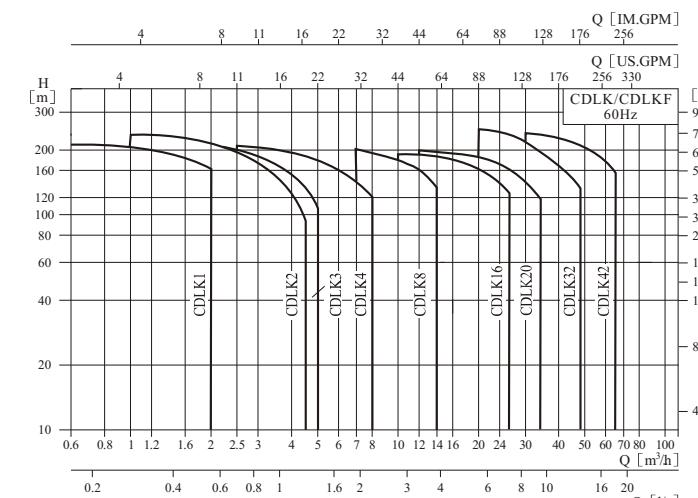
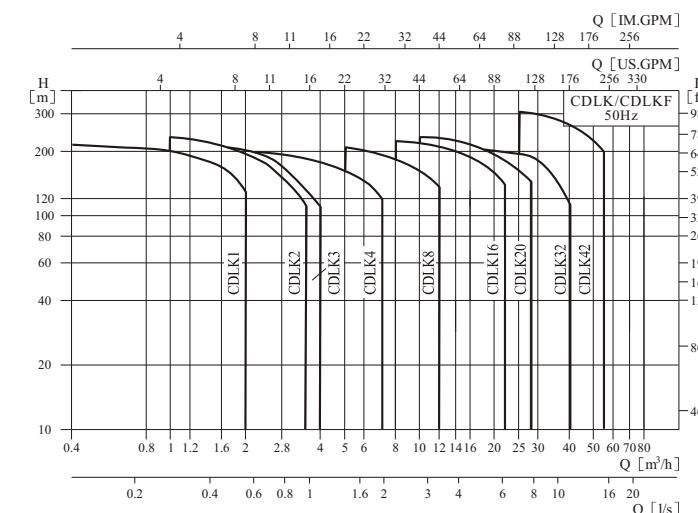
Applications

- Electric spark
- Lathe
- Grinding machine
- Processing center
- Cooling devices
- Industrial cleaning equipment
- Filtering system

Features and benefits

- Flexible installation length
- Wide range
- Reliability
- Service-friendly
- Simple installation

Performance scope





Technical data

- Liquid temp.: -15°C ~ +110°C
- Operating pressure:
 - Normal type: PN12 bar
 - Special type: PN16 bar

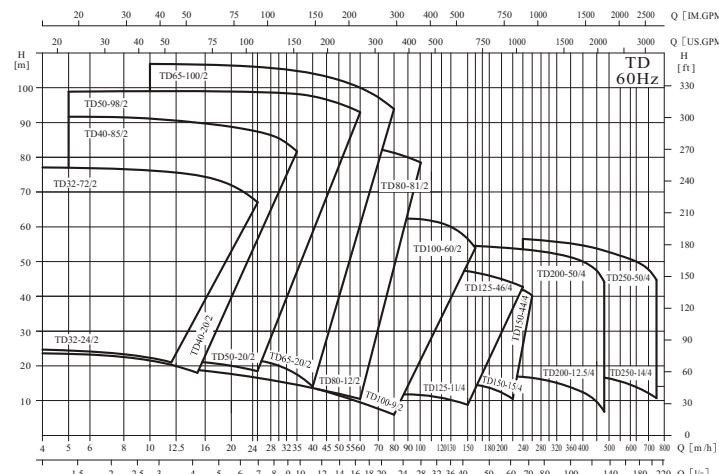
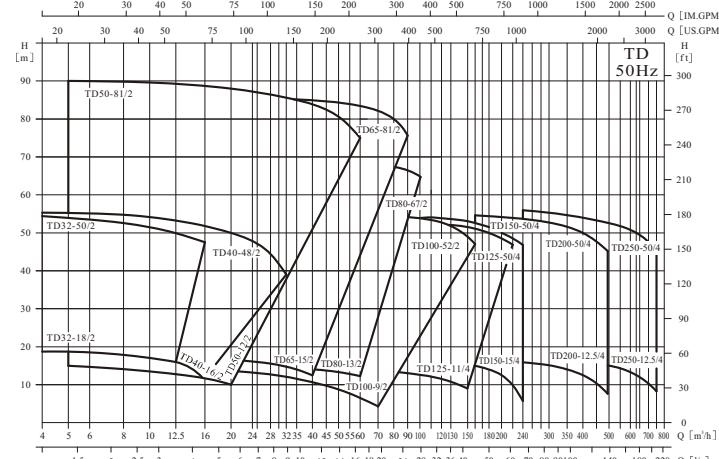
Applications

- Urban water supply
- Industrial water
- Cooling system
- Cold & hot water for regional heat supply system

Features and benefits

- Adaptation to existing operating conditions
- Simple installation

Performance scope



ZS

Stainless Steel Horizontal Single-stage Centrifugal Pump



Technical data

- Liquid temperature -20°C to +100°C
- Ambient temperature: Max. +40°C
- Altitude: Max. 1000m
- Max. operating pressure: 10bar

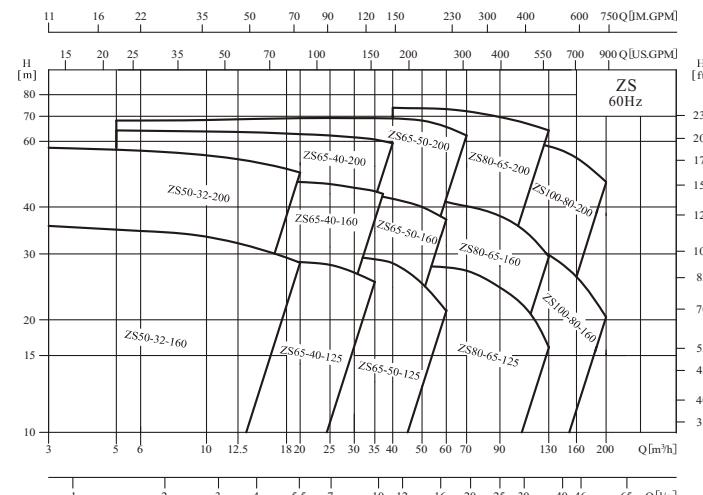
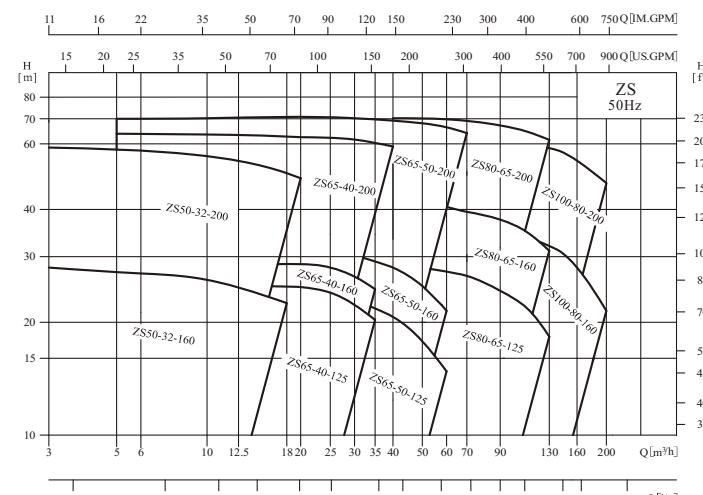
Applications

- Water supply
- Industrial pressurization
- Transportation of industrial liquid
- Water treatment
- Irrigation

Features and benefits

- Beautiful appearance
- Light and handy structure
- High efficiency
- Energy saving
- Durable
- Low noise

Performance scope



MS/MSS

**Light Stainless Steel Horizontal
Single-stage Centrifugal Pump**



Technical data

- Liquid temperature : -10°C ~ +85°C
- Ambient temperature : Max +40°C
- Altitude : Max. 1000m
- Max. operating pressure: 8 bar

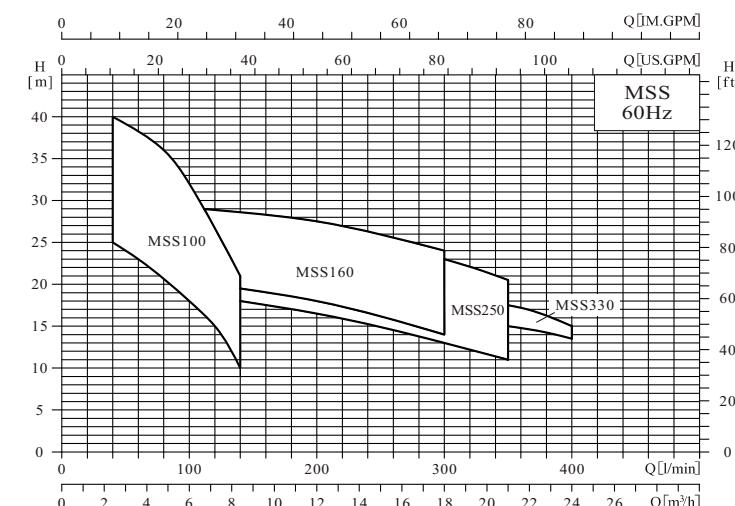
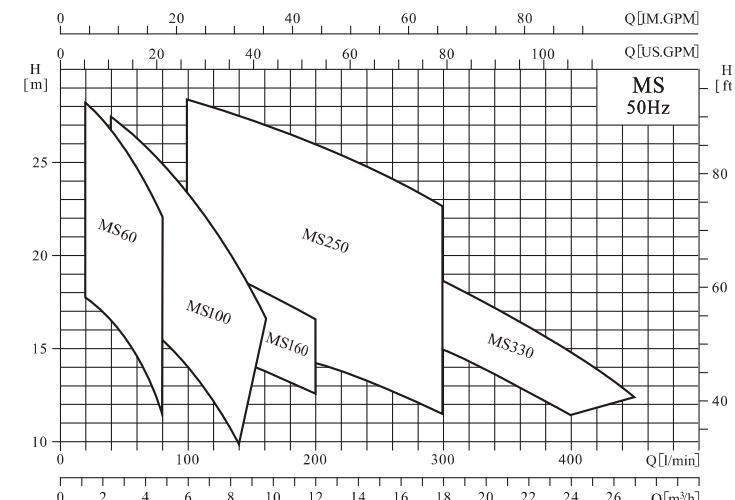
Applications

- Pressurization and pumping of industrial and civilian clean water or other liquids
- Water treatment
- Water circulating system
- Agricultural irrigation
- Other fields

Features and benefits

- Compact structure
- Convenient installation
- Light weight

Performance scope





Technical data

- Flow: Max 520m³/h
- Head: Max 160m
- Max. operating pressure: 16 bar
- Inlet pressure: Max 6 bar
- Power: Max. 160kW
- Liquid temperature: -15°C~110°C

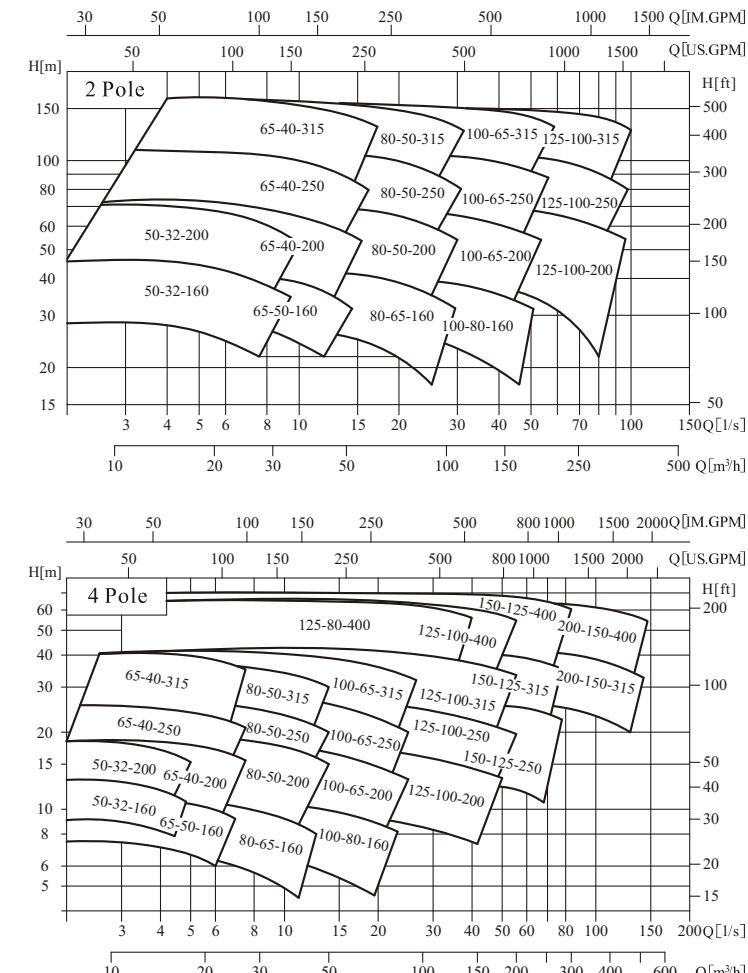
Applications

- Clean, thin, non-corrosive, non-flammable or non-explosive liquid without grain or fiber.
- Water supply system
- Heat, air condition system
- Booster, constant pressure water supply
- Firefighting, splitting system
- Irrigating, farming
- Industry cooling, heater circulation system
- Industry transferring, drainage system.

Features and benefits

- Back-pull-out design
- Parts exchangeable
- Work stable with little noise
- Easy to maintain
- Long service time

Performance scope



SWB

Stainless Steel Horizontal Single-stage Centrifugal Pump

**Technical data**

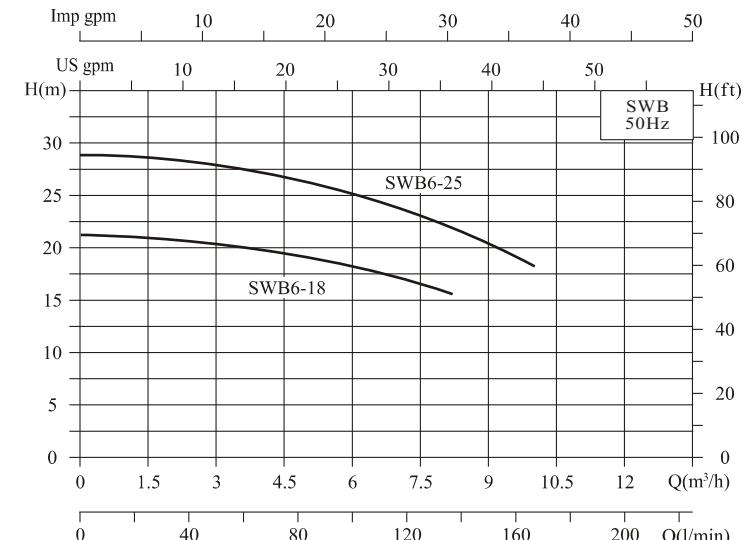
- Max. suction head: 7m
- Liquid temperature: -15°C~+80°C
- Ambient temperature: Max .+40°C
- Pump casing Max. operating pressure: 0.8MPa
- Inlet size: G1.25
- Outlet size: G1

Applications

- Domestic water supply
- Irrigation
- Water transfer
- Washing systems
- Pressure boosting

Features and benefits

- Compact design
- Robustness
- Efficient
- Easy installation
- Less maintenance
- Easy to service

Performance scope

JET**Stainless Steel Self-priming
Centrifugal Pump****Technical data**

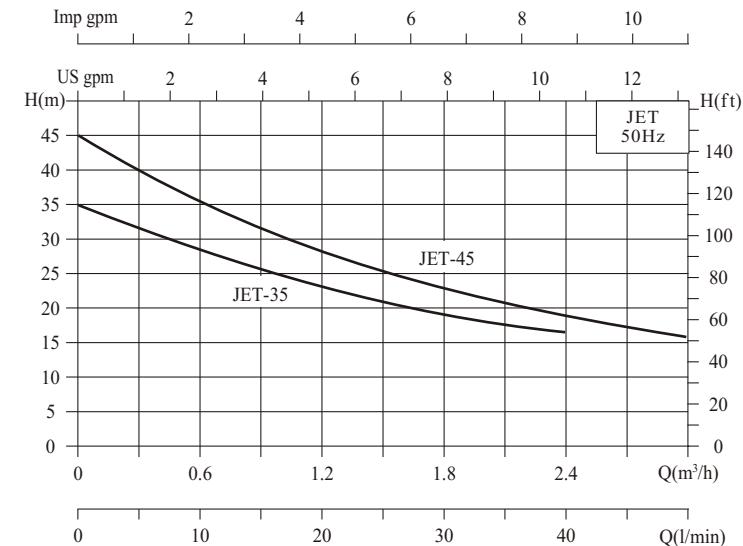
- Max. suction head: 7 m
- Max. liquid temperature: +45°C
- Max. ambient temperature: +40°C
- Max. pump casing pressure: 0.6 Mpa
- Inlet size: G1
- Outlet size: G1

Applications

- Tank filling
- Domestic water supply
- Water transfer
- Pressure boosting

Features and benefits

- Higher pressure
- Good suction ability
- Quick and easy installation
- Low maintenance, easy to service

Performance scope



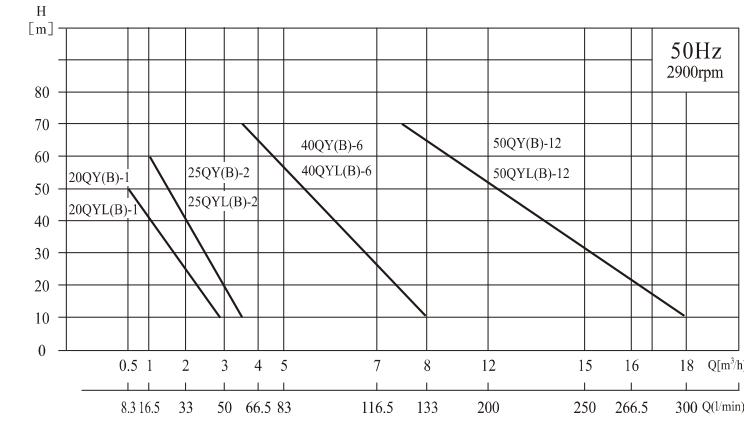
Technical data

- Liquid temp.: -15°C ~ +120°C
- Ambient temperature: Max +40°C
- Gas-liquid ratio 1:9
(gas suction volume 8-10%)

Applications

- Air suspension treating equipment, ozone water making equipment, and biological treating equipment.
- Transfer of heating or cooling medium for various temperature adjusting devices.
- Various filters
- Sucking or high pressure transferring low viscosity liquid from underground tank, such as gasoline and various solvent.
- Misting treatment of clean water, pure water, foods, chemical solution and waster solution.
- Tough applications(continuous running, abrupt variation in hydraulic pressure). Such as small scale stream boiler, high building water supply, high pressure water injection to high pressure tank, and suction from vacuum tank.
- Sampling from river or tank, feeding foaming liquid, liquid feed through long and horizontal pipeline, where air pockets likely occur.

Performance scope



SZ

Fluorin Plastic Single- stage Centrifugal Pump



Technical data

- Thin medium not containing grain or fiber
- Medium temperature: -20°C~120°C
- Medium density: Max. 1.35×10^3 kg / m³
- Ambient temperature: Max.+ 40°C
- Altitude: Max. 1000m
- Pressure: Max. 10bar

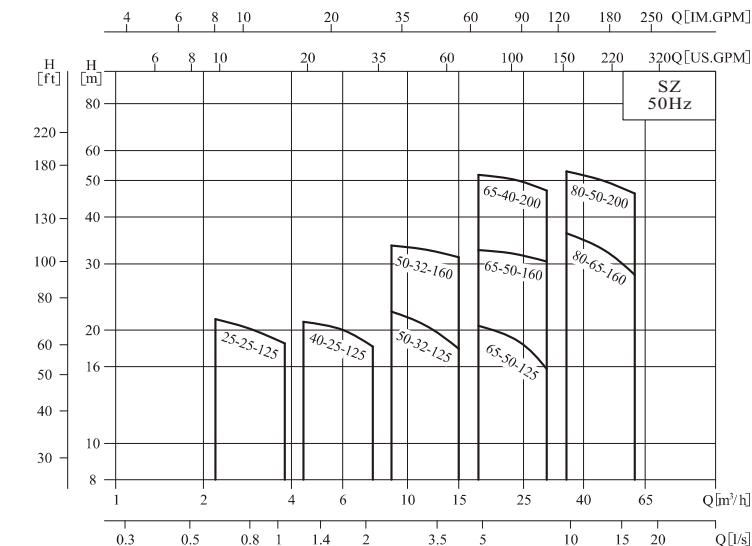
Applications

- Any concentration of acid alkali, salty solution, strong oxidants, organic solvent etc. Strongly corrosive medium.
- Petrol, chemical, pesticide, acid cleaning, dyeing, paper making, galvanization, etc.

Features and benefits

- Simple structure
- Easy for pipe works

Performance scope



DRL

Variable Speed PID Controlled Booster Equipment



Technical data

- Liquid temp: 0 ~ +70°C
- Ambient temperature: Max. +40°C

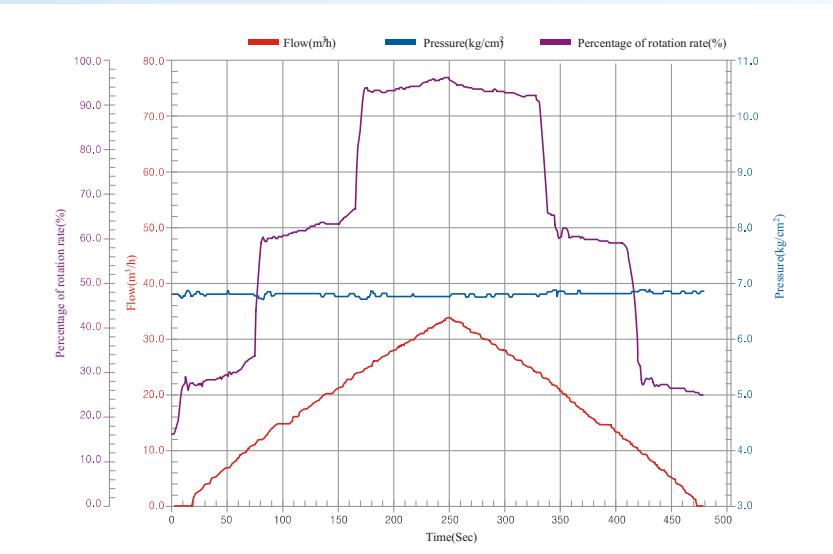
Applications

- Residential water supply: High building, residential area, villa, etc.
- Public places: Hospital, university, gymnasium, golf course, airport, etc.
- Commercial building: Hotel, office building, department store, large-scale sauna center.
- Irrigation: Park, playing round, garden, farm, etc.
- Manufacturing industry: Manufacturing, lavation equipment, food industry, factory, etc.

Features and benefits

- Constant pressure
- Simple installation
- Low-energy
- Wide range

Performance scope





Technical data

- Liquid temp: 0~+70°C
- Ambient temperature: Max +40°C

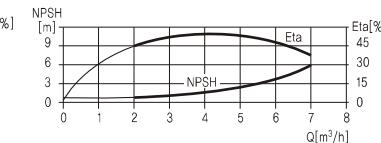
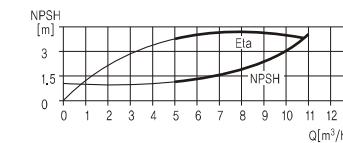
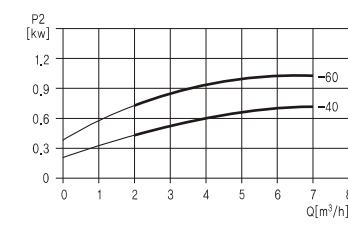
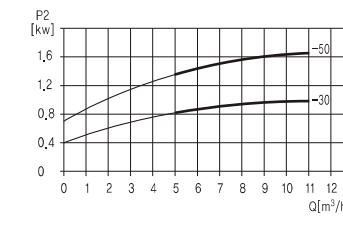
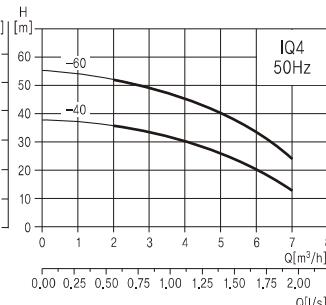
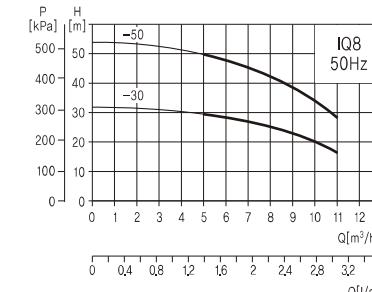
Applications

- The product can be used for stable water supply or boosting in normal families, high buildings, villas, hotels, etc. It can also be used for machine application and water supply for industry.
- Boosting secondly on the roof of residential area or other place that is needed to be boosted for less water pressure.

Features and benefits

- Constant pressure
- Easy to use
- Energy saving
- Wide range applications
- Low noise
- Running with water protection
- Water shock waves protection
- More

Performance scope





Technical data

- Voltage: Single phase 220V/240V
- Max working current: 10A
- Frequency: 50/60Hz
- Enclosure class: Ip65
- Max pumped liquid temperature: 60°C
- Start pressure: 1.5~3bar
- Max operation pressure: 10bar
- Max ambient temperature: 40°C
- PH: 4~9

Applications

- Villa water supply.
- Booster for residential
- Irrigation for orchard, farm, garden.

Features and benefits

- Easy to operate, convenient to use, aesthetic appearance, very practical.
- It can display status of error, running, stop.

Performance parameter

Model	Motor power (kW)	Pressure Tank(Optional)	Flow Q(m³/h)	0.5	1	1.5	2	2.5	3	3.5
				Head H (m)	19	18	16	14	13	11
CHLF2-20	0.37	20	Head H (m)	28	27	24	21	20	17	14
CHLF2-30	0.55	20		36	34	32	28	26	23	17
CHLF2-40	0.55	20		46	43	40	35	33	28	22
CHLF2-50	0.55	20		54	50	48	42	38	33	25
CHLF2-60	0.75	20								

Model	Motor power (kW)	Pressure Tank(Optional)	Flow Q(m³/h)	1	2	3	4	5	6	7
				Head H (m)	19	18	16	15	13	10
CHLF4-20	0.55	20	Head H (m)	28	27	24	22	19	15	10
CHLF4-30	0.55	20		38	36	32	30	26	20	14
CHLF4-40	0.75	20		46	44	41	38	32	26	20
CHLF4-50	1.1	20		55	53	50	45	37	31	26
CHLF4-60	1.1	20								

CDLF+CDH

High Pressure Pump



Technical data

- Liquid temp:
Normal type -15°C ~ +70°C
Hot water type +70°C ~ +120°C
- Ambient temp: Max. +40°C
- Altitude: Max. 1000m

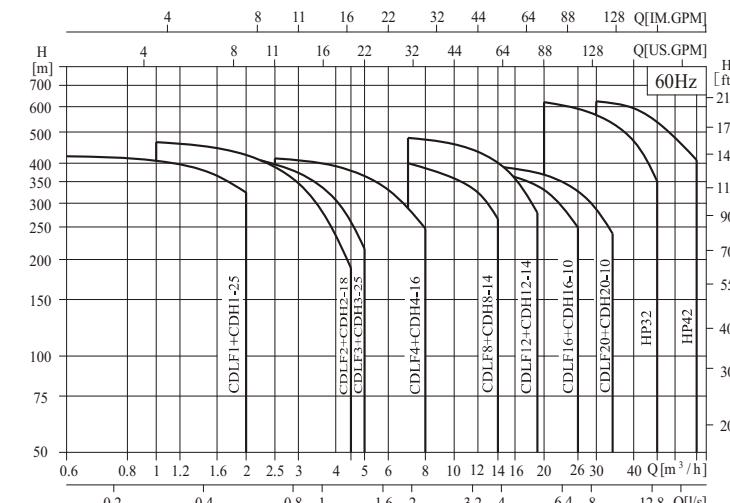
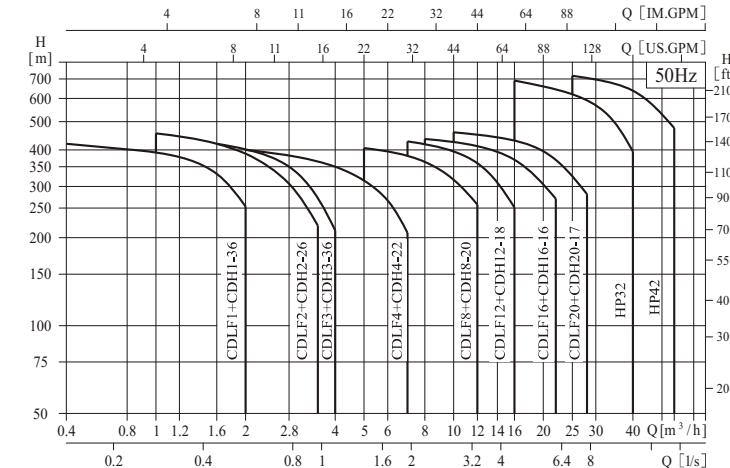
Applications

- Ultra-filtration system
- Reverse osmosis system
- Booster system
- High pressure washing system
- Water supply
- Sea water RO system(For VMHP)

Features and benefits

- High pressure
- Simple structure
- Reliable
- High efficient
- Energy saving
- Easy to service

Performance scope





Technical data

- Liquid temp: 0~+70°C
- Ambient temperature: Max +40°C

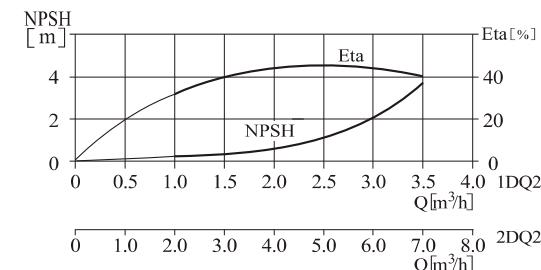
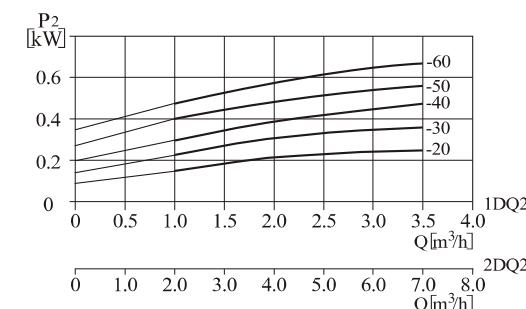
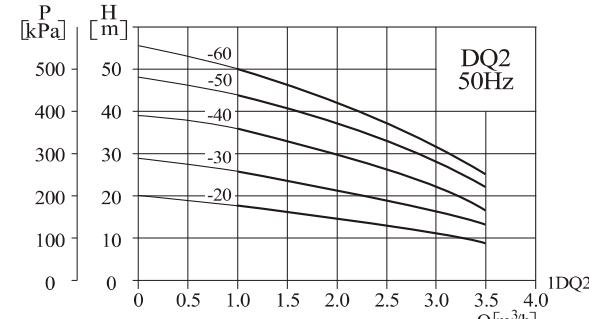
Applications

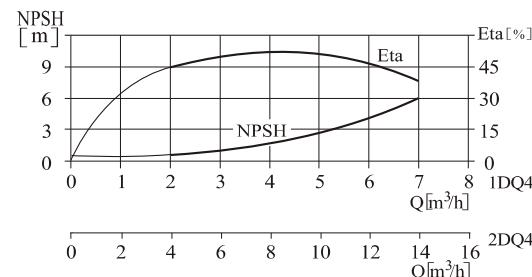
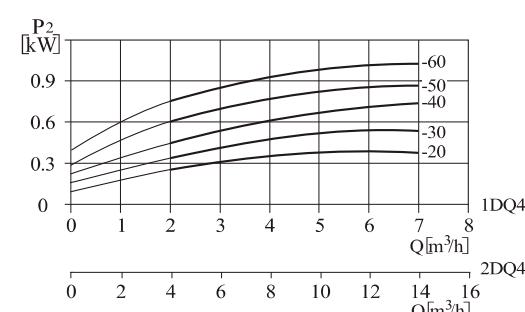
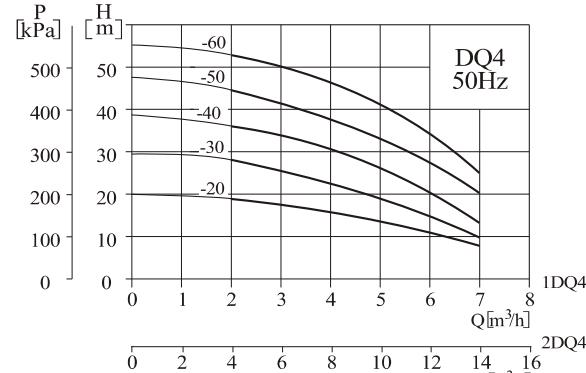
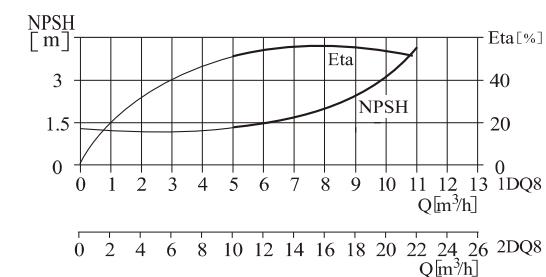
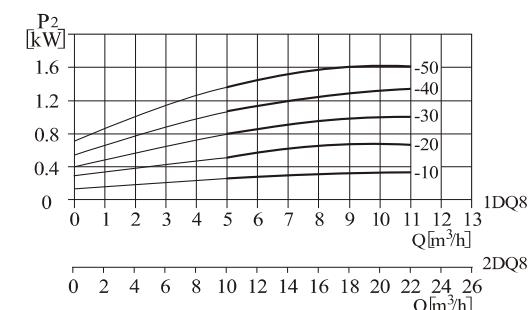
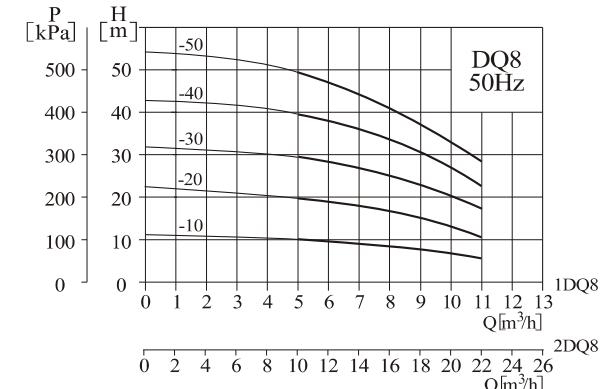
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Features and benefits

- Constant pressure
- Easy to use
- Energy saving
- Wide range applications
- Low noise
- Running with water protection
- Water shock waves protection
- More

Performance scope



Performance scope

Performance scope




Technical data

- Liquid temperature: 0°C ~ 40°C,
- Medium density $\leqslant 1050 \text{ kg/m}^3$,
- PH value: PH 4~10;

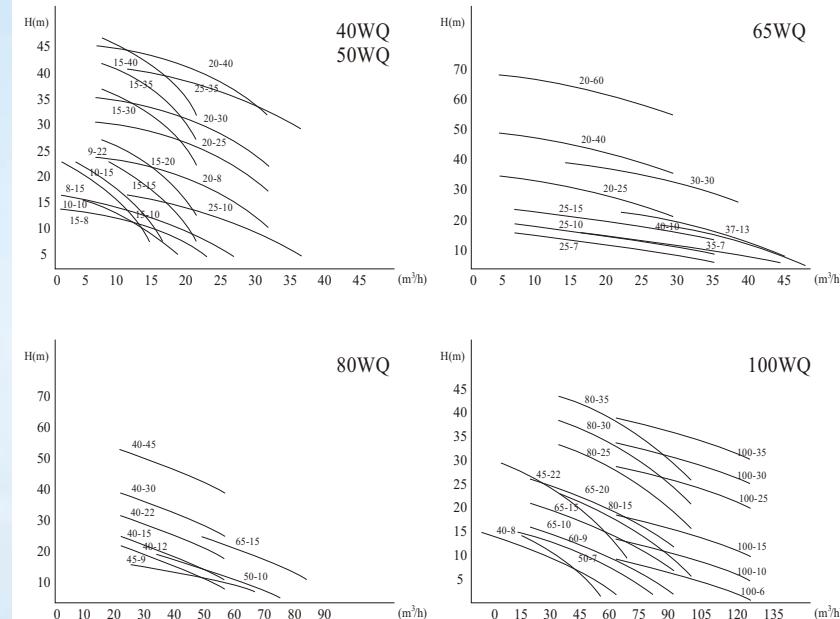
Applications

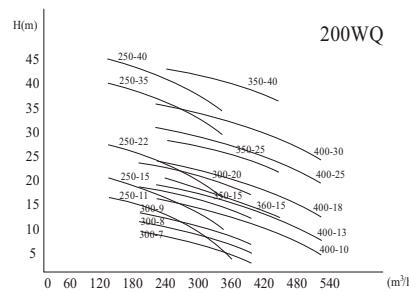
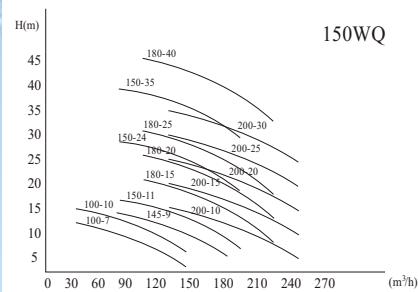
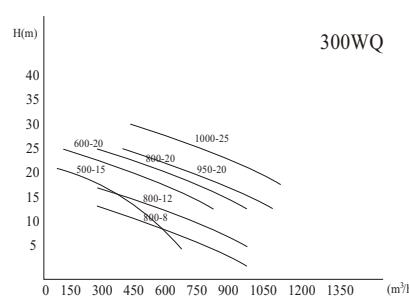
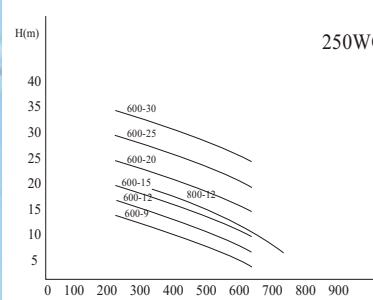
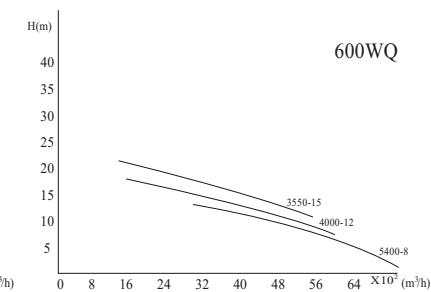
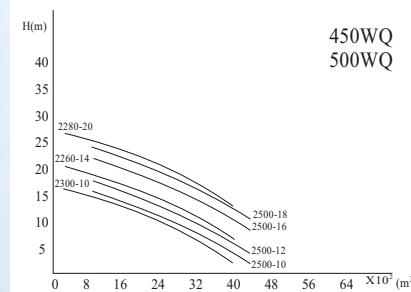
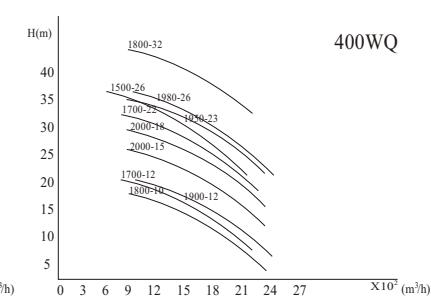
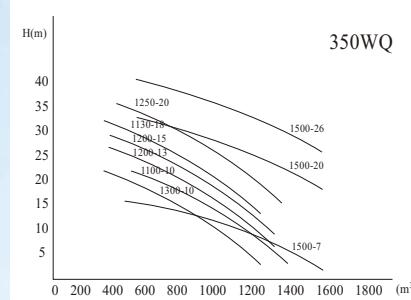
- Municipal projects, building fields;
- Sewage drainage for residential area;
- Sewage drainage for hospital and hotel;
- Sewage drainage for municipal sewage plant;
- Drainage for air defense building, water supply for water works;
- Badly polluted sewage water drainage for works, etc.

Features and benefits

- Non-clogging
- Good structure
- Reliable
- Long service time

Performance scope



Performance scope

Performance scope


**Technical data**

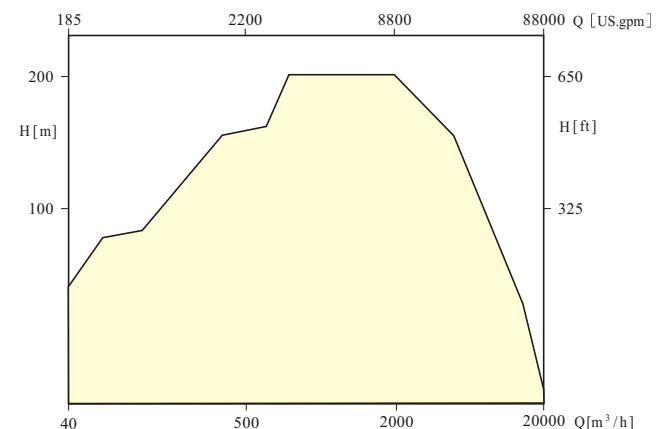
- Pump Sizes to DN 1400mm
- Capacities to Q 20000m³/h
- Heads to H 230m
- Temperatures to T+105°C
- Operating Pressure to P 30bar

Applications

- Process Quench water, stripper bottoms, water circulation, cooling tower;
- Pulp&Paper Primary and secondary cleaner, filtrate, mill water supply, fan pump. Shower;
- Primary Metals Cooling water, quench and leaching;
- Municipal High lift, low lift, wash water, waste water, raw water;
- Power Generation Cooling tower, component cooling, service water;
- Marine Bilge and ballast, cargo, cooling water, fire pump;
- General River water, brine, sea water, fire-fighting system, water and sewage works.

Description

- The casing is axially split, which permits removal of the complete rotor without moving either piping or motor. Pumps generating high heads have double volutes to reduce radial forces. Replaceable wear rings protect the casing at the impeller running clearances. Flange drilled to ISO, DIN, BS or ANSI.
- The close double suction impeller gives practically zero axial forces. Each impeller is statically and dynamically balanced according to ISO1940.
- Vertical or horizontal, soft packing or mechanical seal, grease or oil lubrication bearing on request.

Performance scope

**Performance Range**

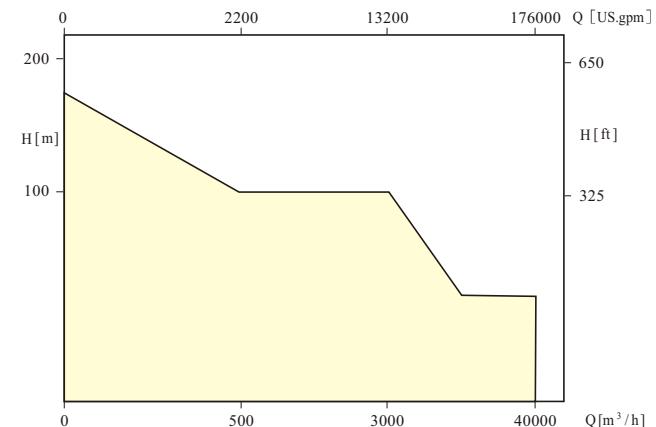
- Capacity: Q up to 40000m³/h
up to 176000gpm
- Head: H up to 200 m
up to 600 feet
- Temperature: T up to 40 °C
up to 80 °F
- Speed: n 2900/1450/980rpm
3500/1750/1180rpm

Applications

- Water supply
- Irrigation for deep well
- Mine dewatering
- Sprinkling and irrigation
- Industrial wet-pit sumps
- River/sea water circulation

Description

● Vertical single stage or multistage pumps with mixed or axial flow impeller design, broad hydraulic coverage provides best selection to meet specific operating conditions. Fabricated or cast iron, surface or underground discharge head, shaft and bearing combinations promote long life with options of open or enclose line shaft construction. It can be driven by VHS motor, VSS motor or diesel engine through right angle gear box.

Performance scope

- According to API610 BB1 type

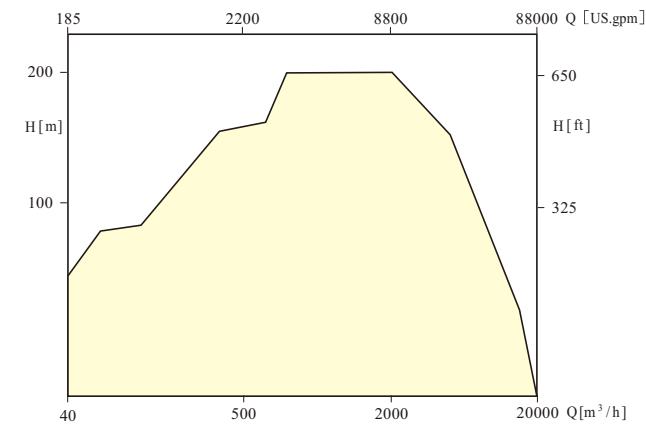


Standard material:
According to API610 standard

Performance Range

- Capacity: Q up to 20000m³/h
up to 88000gpm
- Head: H up to 200 m
up to 600 feet
- Temperature: T up to 105 °C
up to 200 °F
- Speed: n 2900/1450/980/740/580rpm
3500/1750/1180/890/710rpm

Performance scope



Applications

- Pipe line service
- Oil Industry
- Other chemical Liquid service

Description

- Single stage horizontal double suction design, reduce the axial force. Split case type design made the service easy. Don't need move the pipe system when change the inside parts. Heavy duty bearing design suitable for any application.

TCA,TCE,TCF

Series Heavy Duty Petrochemical Process Pumps



Standard material:
According to API610 standard

Performance Range

- Size 25 up to 400mm
- Capacity up to 2600m³/h
- Head up to 250m
- Working pressure up to 7.5Mpa
- Operating temperature -80°C up to +450°C

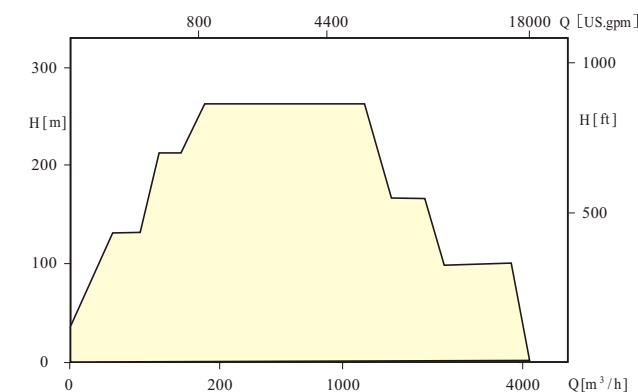
Applications

- Refineries
- Petrochemical industry
- Coal processing
- Lower temperature engineer
- Chemical industry
- Fibre industry
- Paper and pulp industry
- Sugar industry
- Sea water
- Water industry
- Air condition
- Nuclear power station
- Offshore industry

Description

- Single stage, horizontal radially split volute casing pump with feet below and single entry radial impeller, end suction type. Depending on operating conditions hydraulic balance provided by front or wear rings and balance holes. Full compliance with the latest edition of API610, heavy duty fan cooled bearing housing, heavy duty and non-grout baseplates for PAU and offshore application. Casing cover with cooling or heating connections, shaft sealing by packing or mechanical seals of any design (single or double working), connections for cooling, flushing or sealing liquid. Standard pipework according to API plans. Cooling system for high temperature pumping. Flanges according to DIN or ANSI.

Performance scope





Technical data

- Liquid temperature: 0°C ~ 40°C,
- Medium density $\leqslant 1.2 \times 10^3 \text{ kg/m}^3$,
- PH value: Ph5~9;
- Volume ratio of solids in the medium $\leqslant 2\%$;
- Diameter of maximum grain:
SP-3 63mm; SP-4/SP-6 76mm;
- Ambient temperature: $\leqslant 40^\circ\text{C}$;
- Altitude: Max.1,000m.

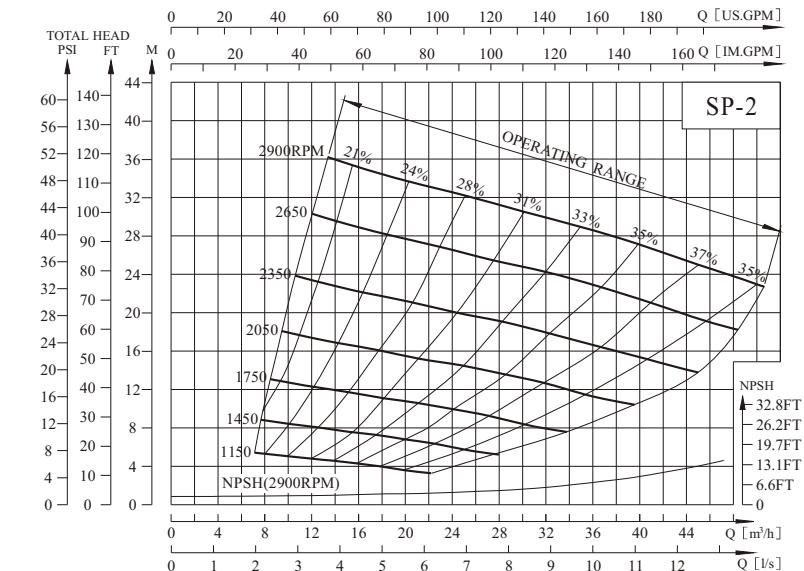
Applications

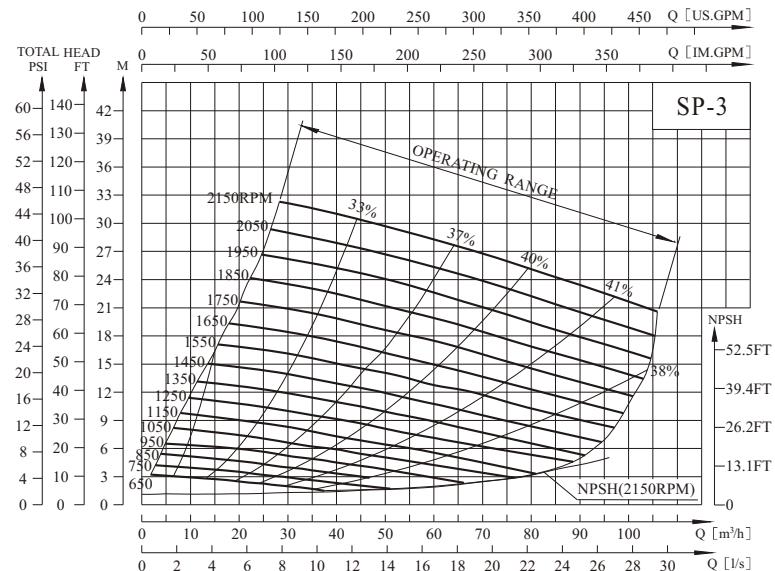
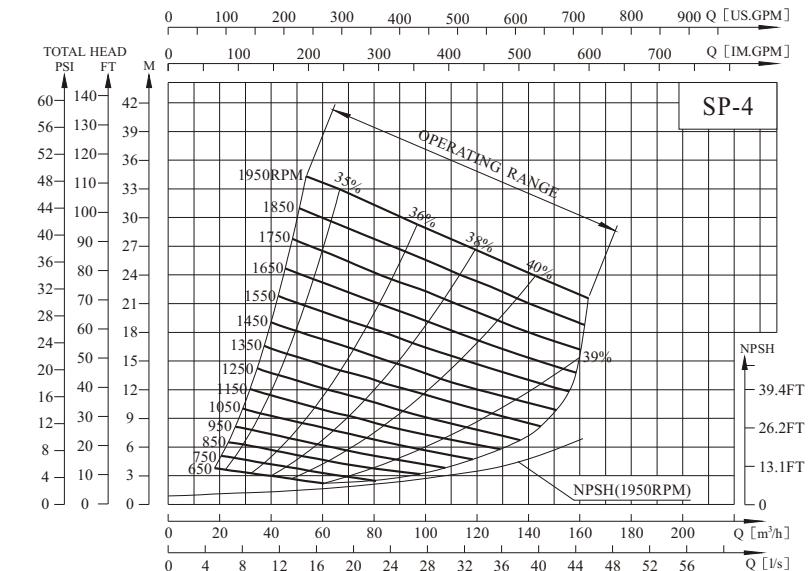
- Rain water and common sewage;
- Municipal drainage project, construction site, drainage station of people's air defense system;
- Industrial sewage of light industry, paper mill, textile, food processing plant, chemical industry, electric utility, deep mines, etc.;
- Sewage discharge in the residential area;
- Sewage and deposit of water purifying system;
- Tanning industry, sewage of slaughter house, fish breeding in the river and pond;
- Wine and sugar industry;
- Discharge sewage of not strong corrosive but seriously polluted.

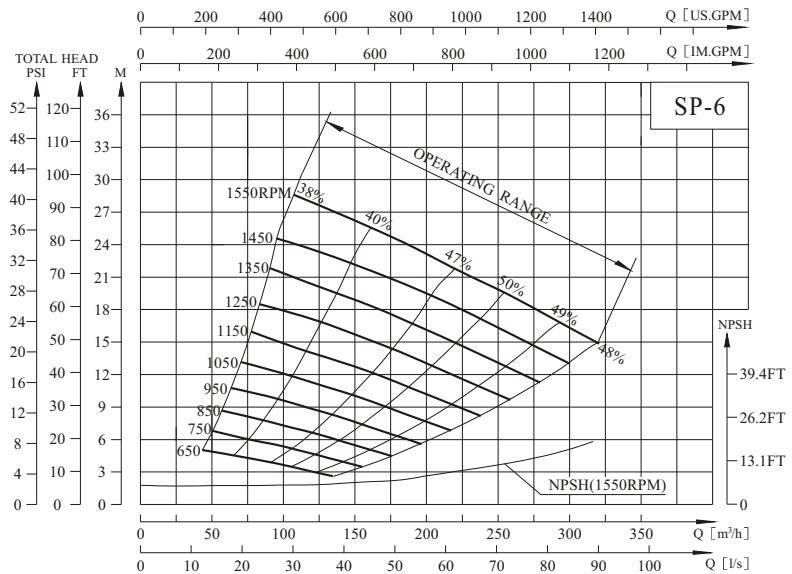
Features and benefits

- Treat sewage water with grain
- Rapid self-priming, high suction head
- Easy to operate, easy to maintain
- Can replace submersible sewage pump

Performance scope



Performance scope

Performance scope


Performance scope**MEMO**

MEMO

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