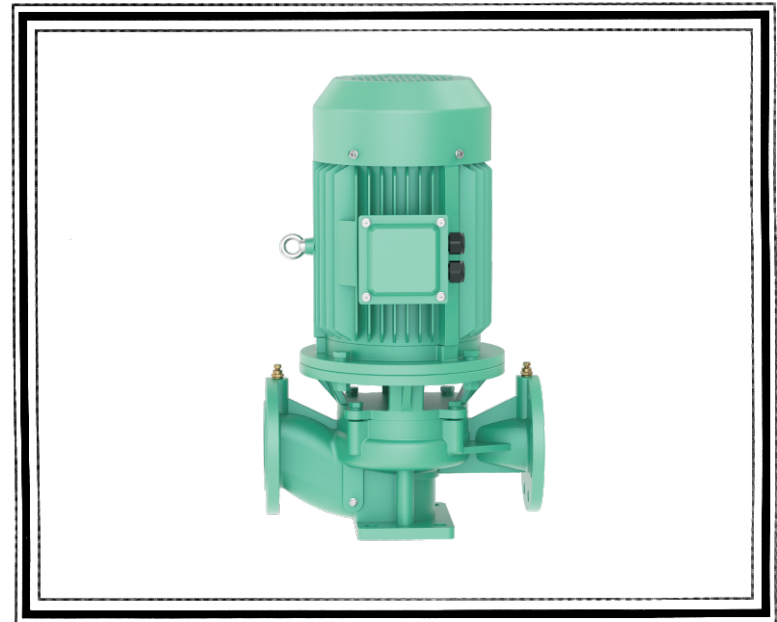


ISG、IRG、GRG、IHG、YG、IHGB、ISGD Series

VERTICAL PIPELINE CENTRIFUGAL PUMP

◀ PRODUCTS USAGE SPECIFICATION ▶



ISG IRG GRG IHG YG IHGB ISGD

Vertical Pipeline Centrifugal Pump

SUMMARY

ISG Series single stage single suction pipeline centrifugal pump is designed on the base of domestic excellent waterpower model and the performance parameter of IS series centrifugal pump. ISG Series centrifugal pumps are designed such as hot water pump and corrosion resistance pump and oil pump for the different temperatures and liquids. The pump has the good performance of reliable operation and high efficiency and little noise etc.

CHARACTERISTICS

1. The structure is vertical with the same sizes of inlet and outlet in the same centerline. It can be installed in the pipeline like the valve! The pump has the compact structure and good appearance and low construction cost and occupies little place! It can also be used outdoors with protective cover.
2. Impeller is installed in the extended shaft of electric motor and so the axial size is small. The structure of the pump is very compact! The pump is matched reasonably with bearing of electric motor! Radial and axial load are well balanced during the operation. So it makes sure that the pump can operate stably with little vibration and noise.
3. Shaft seal adopts mechanical seal or the combination of mechanical seal. The mechanical seal is made from hard alloy material and adopts titanium alloy sealing ring or middling high temperature resistance mechanical seal. So it has the best wearable seal and can prolong the life of mechanical seal.
4. Convenient to install and maintain. Only loose the nut of pump seat to draw out all rotors. It need not disassemble pipeline system.
5. Parallel connection and in series can be chosen for different flow rate and head.
6. It can be installed horizontally and vertically as different pipeline system.

APPLICATION

1. ISG series vertical pipeline centrifugal pump is used to transport the water and other liquid similar to the water in physical and chemical characteristic. It is widely used for the drainage in industry and city, booster and water supply for high-building, irrigation in garden, booster in fire fighting, transporting from a long distance, water circulation in circulation system etc. Working Temperature < 80°C.
2. IRG series vertical hot water pump is suitable in metallurgy, chemical industry, textile, timber processing, paper making and booster and circulation for high temperature and hot water in hotel and restaurant and residence. Working temperature < 120°C.
3. GRG series vertical centrifugal pump for high temperature is suitable in energy sources, metallurgy, chemical industry, textile, paper making and high temperature hot water circulation and booster in hotel and restaurant and residence. Working temperature < 240°C.
4. IHG series vertical pipeline chemical pump transports the liquid which is corrosive and without solid grain and similar to water in viscosity. It is suitable in petroleum, chemical industry, metallurgy, electric power, paper making, food and pharmacy and synthetic fibre etc. Working temperature: -20°C to 120°C.
5. YG series vertical pipeline centrifugal oil pump is suitable to transport the gasoline, diesel oil and kerosene etc petroleum products. Working temperature: -20°C to 120°C.
6. IHGB series stainless steel chemical centrifugal pump with explosion-proof is suitable to transport the flammable chemical liquid.

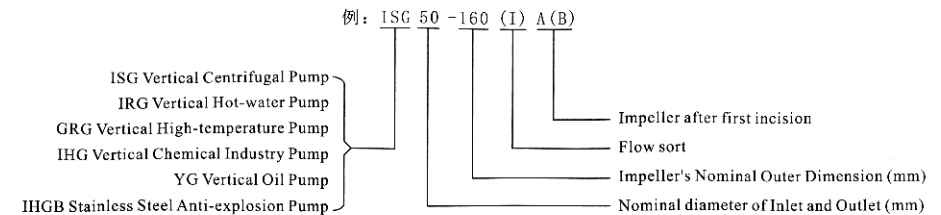
WORKING CONDITION

1. Suction Pressure ≤ 1.0 MPa, or the Max Working Pressure ≤ 1.6 MPa, Suction Pressure + Height ≤ 1.6 MPa, Testing Static Pressure of pump is 2.5 MPa, please give clear indication of system's working pressure. Please note it if the system's max working pressure is larger than 1.6 MPa
 2. Working Temperature < 40°C, relative humidity < 95%.
 3. The whole solid's volume of Medium should less than 0.1% of unit volume, granularity < 0.2mm.
- Note: If the used medium contains small solid, please indicate when ordering, or the suppliers can adopt wearable mechanical seal.

Vertical Pipeline Centrifugal Pump

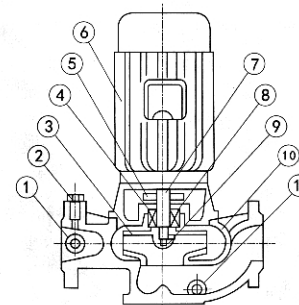
ISG IRG GRG IHG YG IHGB ISGD

MODEL SIGNIFICANCE



STRUCTURE SPECIFICATION

Structure of Conventional Type:

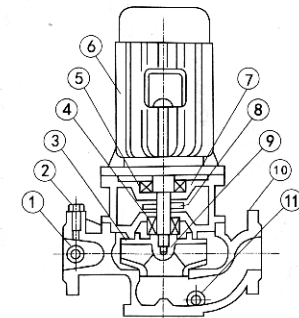


| | |
|---|-------------------|
| ① | Pressure plug |
| ② | Air valve |
| ③ | Impeller |
| ④ | Mechanical seal |
| ⑤ | Water baffle-ring |
| ⑥ | Motor |
| ⑦ | Shaft |
| ⑧ | United seat |
| ⑨ | Impeller nut |
| ⑩ | Pump Casing |
| ⑪ | Water valve. |

Structure Specification for ISG Series:

1. Pump with simple structure has the same end bracket as the motor; axial dimensions are shortened.
2. The casing is fixed with pressure tapping hole and out water hole.
3. The casing is installed with air valve In order to exhaust air in the pump out before working.
4. Setting board and nut bolt hole are installed at the foot of the casing to make sure the whole set is installed steadily.

Structure of Hot-water Type:

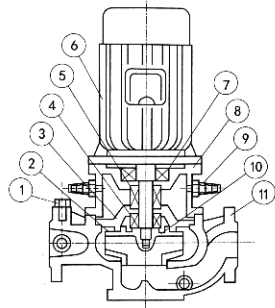


| | |
|---|-------------------|
| ① | Pressure plug |
| ② | Air valve |
| ③ | Impeller |
| ④ | Mechanical seal |
| ⑤ | Bearing |
| ⑥ | Motor |
| ⑦ | United seat |
| ⑧ | Water baffle-ring |
| ⑨ | Impeller nut |
| ⑩ | Pump casing |
| ⑪ | Water valve. |

Structure specification for IRG Series:

1. Heat insulation cover is installed between casing and upside part which applies to media with temperature below 120°C.
2. The sectional distribution between pump and motor's bearing makes sure the axes' operating precision and improvement of the reliability of seal.
3. The air cooled device can be installed Inside of the heat insulation according To customers' requirements.

Structure of High-temperature Type:

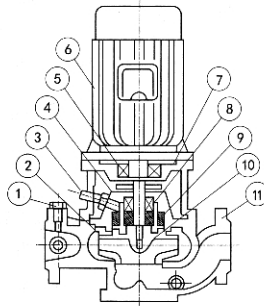


- ① Air valve
- ② Impeller
- ③ Pump cover
- ④ Mechanical seal
- ⑤ Mechanical seal
- ⑥ Motor
- ⑦ Bearing
- ⑧ United seat
- ⑨ Cooling water pipe
- ⑩ Impeller nut
- ⑪ Pump casing

Structure specification for GRG Series:

- Water's insulating and cooling can be Adopted between casing and the upside part with the working temperature range is from -45°C to +240°C.
- The sectional distribution between pump and motor's bearing makes sure the axes' operating precision and improvement of the reliability of seal.
- The middling heat resistant mechanical seal adopts sectional method, and the downside seal's material is titanium alloy.

Structure of Chemical Industry Type:

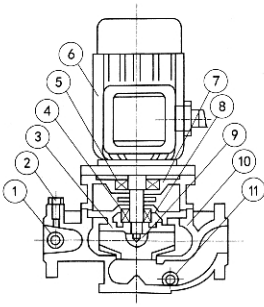


- ① Air valve
- ② Impeller
- ③ Wash cooling pipe
- ④ Pump cover
- ⑤ Bearing
- ⑥ Motor
- ⑦ United seat
- ⑧ Mechanical seal
- ⑨ Wearable cover
- ⑩ Impeller nut
- ⑪ Pump casing

Structure specification for IHG Series:

- Wearable cover is set before mechanical seal. Sealing cooling and washing hole are set in pump cover which are suitable to transport volatile or cry stal liquid. It can prolong the life of mechanical seal when liquid contains ting grain.
- The sectional distribution between pump and motor's bearing makes sure the axes' operating precision and improvement of The reliability of seal.
- Mechanical seals are made from hard alloys.

Structure of Oil Pump:



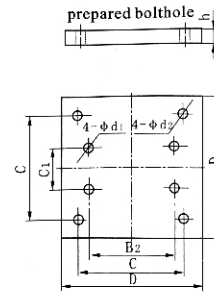
- ① Pressure valve
- ② Air valve
- ③ Impeller
- ④ Mechanical seal
- ⑤ Bearing
- ⑥ Motor
- ⑦ United seat
- ⑧ Pump cover
- ⑨ Impeller nut
- ⑩ Pump casing
- ⑪ Water valve

Structure specification for YG Series:

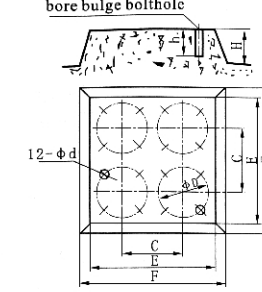
- It is suitable to transport the oil without solid grain. The oil's temperature range Is from -20°C to +120°C.
- The high-temperature structure or the chemical industry pump's structure can be chosen if the oil temperature below 120°C or the liquid contains tiny solid.
- The pumps have to be customized if their working temperature exceeds 200°C .

ATTACHMENTS AND INSTALLATION DIMENSIONS

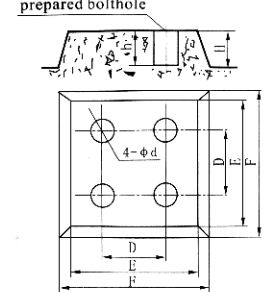
Connecting plate



Basic drawing of flexible connecting



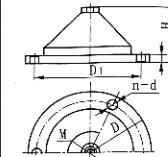
Basic drawing of rigid connecting



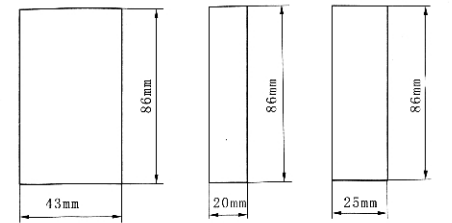
| Model | Connecting dimension | | | | Basic dimensions of flexible connecting | | | | | Basic dimensions of rigid connecting | | | | | | | | | |
|-------|--------------------------------|---------|---------|----|---|-----------------|-----|------|------|--------------------------------------|-----------------------------------|-------|----|-----|------|------|-----|----|-----|
| | C ₂ ×B ₂ | C×C | D×D | h | φd ₁ | φd ₂ | H | E | F | C | φD | φd | h | H | E | F | C | φd | h |
| 1 | 45×70 | 240×240 | 300×300 | 55 | φ14 | φ14 | 200 | 450 | 500 | 240 | / | / | / | 200 | 450 | 500 | 240 | 60 | 200 |
| 2 | 50×80 | 240×240 | 300×300 | 55 | φ14 | φ14 | 200 | 450 | 500 | 240 | / | / | / | 200 | 450 | 500 | 240 | 60 | 200 |
| 3 | 60×100 | 240×240 | 300×300 | 55 | φ14 | φ14 | 200 | 450 | 500 | 240 | / | / | / | 200 | 450 | 500 | 240 | 60 | 200 |
| 4 | 70×120 | 240×240 | 300×300 | 55 | φ18 | φ16 | 200 | 450 | 500 | 240 | / | / | / | 200 | 450 | 500 | 240 | 60 | 200 |
| 5 | 80×130 | 240×240 | 300×300 | 55 | φ18 | φ16 | 200 | 450 | 500 | 240 | / | / | / | 200 | 450 | 500 | 240 | 60 | 200 |
| 6 | 100×160 | 340×340 | 400×400 | 55 | φ18 | φ16 | 250 | 650 | 700 | 340 | Isolating vibrator D ₁ | φ14.5 | 60 | 250 | 650 | 700 | 340 | 80 | 250 |
| 7 | 120×180 | 340×340 | 400×400 | 55 | φ18 | φ16 | 250 | 650 | 700 | 340 | | φ14.5 | 60 | 250 | 650 | 700 | 340 | 80 | 250 |
| 8 | 160×220 | 340×340 | 400×400 | 55 | φ22 | φ16 | 250 | 650 | 700 | 340 | | φ14.5 | 60 | 250 | 650 | 700 | 340 | 80 | 250 |
| 9 | 150×240 | 340×340 | 400×400 | 55 | φ22 | φ16 | 250 | 650 | 700 | 340 | | φ14.5 | 60 | 250 | 650 | 700 | 340 | 80 | 250 |
| 10 | 210×260 | 440×440 | 500×500 | 55 | φ22 | φ16/φ18 | 300 | 750 | 800 | 440 | | φ14.5 | 60 | 300 | 750 | 800 | 440 | 80 | 250 |
| 11 | 230×280 | 440×440 | 500×500 | 55 | φ22 | φ16/φ18 | 300 | 750 | 800 | 440 | | φ14.5 | 60 | 300 | 750 | 800 | 440 | 80 | 250 |
| 12 | 250×320 | 540×540 | 600×600 | 55 | φ22 | φ16/φ18 | 300 | 800 | 850 | 500 | | φ14.5 | 60 | 300 | 800 | 850 | 540 | 80 | 250 |
| 13 | 300×350 | 740×740 | 880×880 | 55 | φ22 | φ20/φ18 | 350 | 1000 | 1100 | 740 | | φ14.5 | 60 | 350 | 1000 | 1100 | 740 | 80 | 250 |
| 14 | 300×400 | 740×740 | 800×800 | 55 | φ22 | φ20/φ18 | 350 | 1000 | 1100 | 740 | | φ14.5 | 60 | 350 | 1000 | 1100 | 740 | 80 | 250 |
| 15 | 350×450 | 740×740 | 800×800 | 55 | φ26 | φ20/φ18 | 350 | 1000 | 1100 | 740 | | φ14.5 | 60 | 350 | 1000 | 1100 | 740 | 80 | 250 |
| 16 | 400×500 | 740×740 | 800×800 | 55 | φ26 | φ20/φ18 | 350 | 1000 | 1100 | 740 | | φ14.5 | 60 | 350 | 1000 | 1100 | 740 | 80 | 250 |

Dimensions of JGD Model Strainers

| Model | M | D | D ₁ | H | d | n |
|--------|----|-----|----------------|-----|----|---|
| JGD2-3 | 8 | 180 | 150 | 47 | 12 | 3 |
| JGD3-2 | 12 | 230 | 200 | 64 | 12 | 3 |
| JGD3-3 | 12 | 230 | 200 | 64 | 12 | 3 |
| JGD4-1 | 16 | 280 | 250 | 76 | 12 | 3 |
| JGD4-2 | 16 | 280 | 250 | 76 | 12 | 3 |
| JGD5-3 | 20 | 330 | 300 | 104 | 12 | 3 |



Dimensions of SD Vibration Isolator of 0.5 basic parts



INSTALLATION METHOD

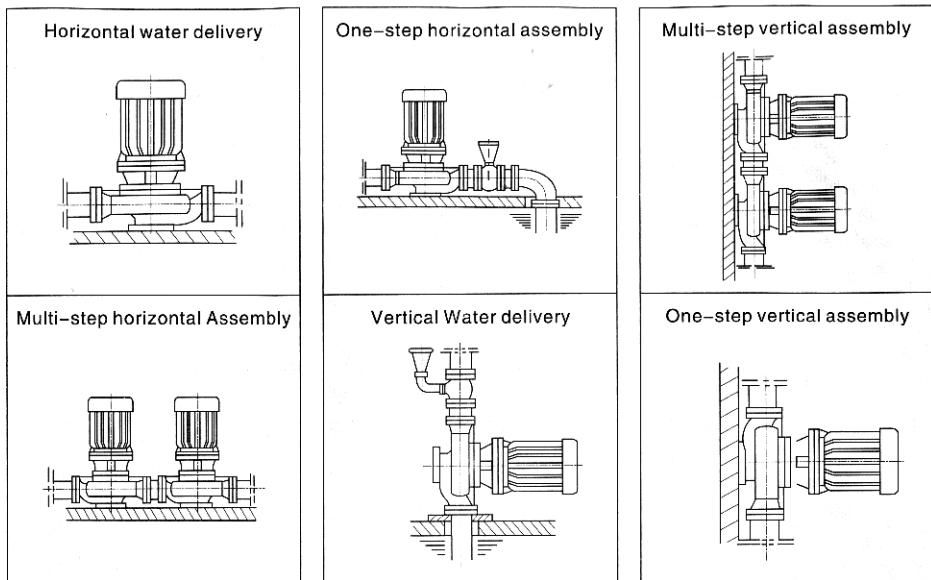
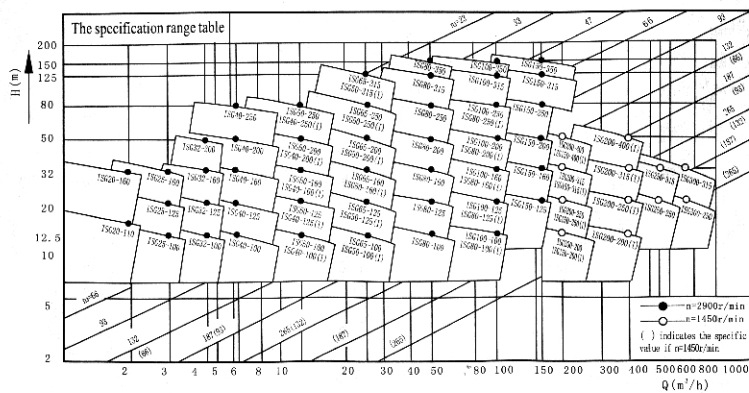


CHART OF ISG SERIES



Note: the specification range of IRG GRG IHG YG is the same as the ISG.

NOTICE OF INSTALLATION

1. Check the fasteners of the system to see if they are loose or not and if flow passage of pump body is blocked by impurity to avoid damage of impeller and pump body during operation before install the pump.
2. The pump should not support the weight of pipeline to avoid the distortion of pump in the installation.
3. Make sure to screw the bolt of foot to avoid vibration in the start of pump when install the pump.
4. Install a adjust valve in every inlet and outlet pipeline and a pressure gauge near to outlet of pump. It can make sure that the pump operates in rated head and flow range safely to prolong the life of pump.
5. Turn the shaft of pump and impeller and make sure that they have not attrition and block after the pump is installed. Otherwise disassemble the pump and find the cause.
6. Two connection of pumps such as rigid connection and flexible connection.

MAINTENANCE

1. Maintenance in operation :
 - (1) Inlet and outlet pipeline need be fully filled with liquid. Long operation of pump in cavitations is prohibited.
 - (2) Check the current of electric motor regularly to make sure that it does not exceed the rated current!
 - (3) Mechanical abrasion such as big noise and vibration appears after a long operation of pump. Check the pump and replace the damaged parts and bearing if need. Normally major parts of pump need the maintenance for about one year!
2. Maintenance of mechanical seal
 - (1) The mechanical seal should be clean and not without grain after being lubricated.
 - (2) Mechanical seal's working in dry attrition is prohibited.
 - (3) Turn the pump and motor to avoid the rupture and damage of graphite ring before start the pump.
 - (4) 3 drops/minute is allowed for the leakage rate of the seal. Otherwise the mechanical seal should be carefully checked.

START AND SHUTTING DOWN

Start and stop

1. Test the rotary direction of motor is right. The rotary direction of motor is clockwise, viewed from top of motor to pump. Make sure the test time is short to avoid the dry attrition of mechanical seal.
2. Open the air valve to let the liquid enter into the whole chamber of pump and then close it when the pump is fully filled with liquid.
3. Check every parts and make sure they are normal
4. Turn the pump by hand to let the lubricant enter onto the surface of mechanical seal.
5. High temperature series pump should be warmed up in advance. The improvement rate of temperature should be 50°C/hour to gain the heat for every part equably.

Start

1. Open entirely inlet valves
2. Close the outlet valves.
3. Start the electric motor and see if the operation of pump is normal.
4. Adjust the opening degree of outlet valve for needed occasion. If the flow meter or pressure gauge is installed near to the outlet, adjust the opening degree of outlet valve to let pump operate in rated data of specification. Meanwhile test the current of electric motor to let the motor work in rated current. Otherwise the pump works overloading and the motor is burnt for over current. The opening degree of outlet valve is relative with the conditions of pipeline.
5. Check the leakage of shaft seal. Normally the leakage of mechanical seal should less than 3 drops/minute
6. Check the motor and make sure the temperature of motor and bearing should not higher than 70°C.

Stop

1. For stop of the high temperature series pump, let the temperature drop below 80°C and then stop the pump. Rate in dropping of temperature is less than 10°C/minute
2. Close outlet valve.
3. Stop the electric motor
4. Close the inlet valve.
5. Exhaust all the liquids in pump for preservation when pump is not used for a long time.

WEARING PARTS (MECHANICAL SEALS AND BEARINGS)

| Motor power | Specification of mechanical seal | Specification of bearings | Motor power | Specification of mechanical seal | Specification of bearings |
|--------------------------------|----------------------------------|---------------------------|--|----------------------------------|---------------------------|
| 0.18KW, 0.12KW | WM108-12 | 201 | 30KW(2pole), 37KW(2pole) | KM112-35 | 46312, 312Z1 |
| 0.25KW, 0.37KW | WM108-14 | 201 | 30KW(4pole) | KM112-45 | 46312, 312Z1 |
| 0.55KW, 0.75KW 1.1KW(2pole) | WM108-18 | 46204, 180204Z1 | 37KW(4pole), 45KW | KM112-45 | 46313, 313Z1 |
| 1.1KW(4pole), 1.5KW | WM108-20 | 46205, 180205Z1 | 55KW, 75KW(2pole) 90KW(2pole) 37KW(6pole) | KM112-55 | 46314, 314Z1 |
| 2.2KW(2pole) | KM112-25 | 46205, 180205Z1 | 75KW(4pole) | KM112-55 | 46317, 317Z1 |
| 2.2KW(4pole), 3KW | KM112-25 | 46206, 180206Z1 | 45KW(6pole), 55KW(6pole) | KM112-75 | 46317, 317Z1 |
| 4KW | KM112-25 | 46306, 180306Z1 | 110KW(2pole) | KM112-55 | 46316, 316Z1 |
| 5.5KW, 7.5KW | KM112-25 | 46308, 180308Z1 | 75KW(6pole) 90KW(6pole) 110KW(4, 6pole) 132KW(4, 6pole) 160KW(4pole) | KM112-75 | 46319, 46319Z1 |
| 11KW, 15KW 18.5KW(2pole) | KM112-35 | 46309, 309Z1 | Note: It is 2 or 4 pole if the motor's power is not indicated. | | |
| 22KW(2pole) | KM112-35 | 46311, 311Z1 | | | |
| 18.5KW(4pole) 22KW(4pole) | KM112-45 | 46311, 311Z1 | | | |

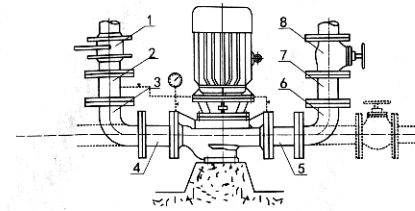
MALFUNCTION'S REASONS AND WAYS

| Malfunction | Reasons | Ways |
|-------------------------------|---|--|
| 1. Pumps can't get water out. | a. The inlet or outlet valves are not open, the inlet / outlet and flow passage pipeline and impellers are blocked. b. The rotary direction is wrong; the motor's rotation speed is too slow for lack of phase. c. The air leakage of suction pipe. d. The liquid is not filled fully with pump; the casing has air. e. Water supply is not enough and suction height is too high and the water leakage of foot valve. f. The excessive resistance of pipeline. The pump is chosen incorrectly.. | a. Check and clear the blocks. b. Adjust the motor's direction and fasten the connector. c. Set up all sealing surfaces to draw the air out. d. Open the upper cover or open the air valve to draw air out. e. Check after shutting down and adjust pumps. f. Decrease pipelines' elbow and choose pumps again. |
| 2. Deficient in flow | a. Check pumps according to the first item b. Some parts of pipelines or pumps' impellers are blocked by the sediment; the opening degree of valves are not enough. c. Voltage is low. d. Abrasion of impellers. | a. Check it according to first item. b. Clear blocks and adjust opening degree of valves again. c. Steady voltage. d. Replace the impellers. |
| 3. Excessive power | a. Over rated flow rate. b. The suction height is too high. c. The abrasion of bearings. | a. Adjust the flow and turn the outlet valve down. b. Let suction height less. c. Replace the bearings. |
| 4. Static noise and vibration | a. The unsteadiness of supporting for pipeline. b. Liquid is mixed with air. c. Cavitation appears. d. Damage of bearing. e. Motor works in overloading and radiation. | a. Fix the pipeline. b. Improve the suction pressure and exhaust air vacuum. c. Reduce the vacuum. d. Replace the bearings. e. Adjust it according to the fifth item. |
| 5. Motor's radiation. | a. Works under overflow and overloaded. b. Rubbed up. c. The abrasion of motor bearings. d. The deficient of voltage. | a. Turn the outlet valve down. b. Check and solve the attrition. c. Replace bearings. d. Steady voltage. |
| 6. The water leakage of pump | a. The abrasion of mechanical seals. b. The dirt hole and breach of pump body. c. The unevenness of sealing surface. d. The bolt is slack. | a. Replace it. b. Welding repair or replacing. c. Trimming. d. Tighten them. |

INSTALLATION METHOD

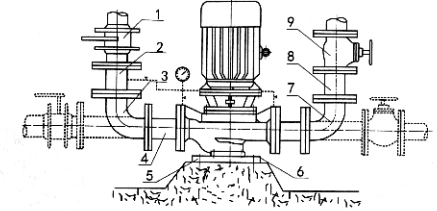
1. Rigid installation

A. Directly Installation



1. Inlet valve 2. Straight Tube 3. Bending Tube 4. straight tube
5. Straight Tube 6. Bending Tube 7. Straight tube 8. outlet valve

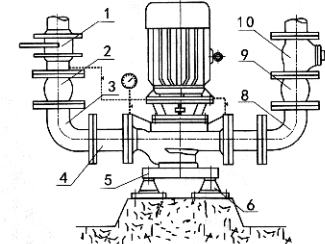
B. Installation of Connected Plate



1. Inlet valve 2. Straight Tube 3. Bending Tube
4. Straight Tube 5. Linking Plate 6. Straight Tube
7. Bending Tube 8. Straight Tube 9. Outlet Valve

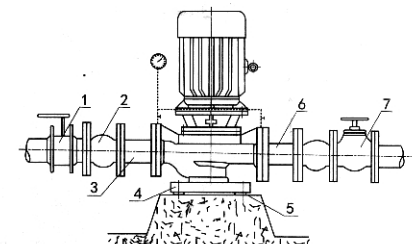
2. Flexible Link

A. Linking Plate and vibration Isolator



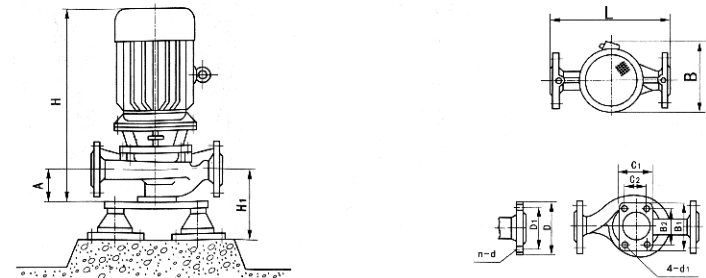
1. Inlet valve 2. Flexible Joint 3. Bend tube 4. Straight tube
5. Linking Plate 6. Vibration Isolator 7. Straight Tube
8. Bend Tube 9. Flexible Joint 10. Outlet Valve

B. Linking Plate and vibration Isolator



1. Inlet Valve 2. Flexible Joint 3. Straight Tube 4. Linking Plate
5. Vibration Isolator 6. Straight Tube 7. Outlet Valve

OUTER TYPE AND INSTALLATION DRAWING



MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 1

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor's Power (kw) | NPSH _r | Weight (kg) | Outer Dimension | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | |
|------------|---------------------|----------------------|----------------------|----------------|----------------------|--------------------|-------------------|-------------|-----------------|-----|-----|--------------------------------|------------------------|--------------------------------|------------------|--------------------------------------|----------------|-------|--------------------|----------------|
| | (m ³ /h) | (L/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 15-80 | 1.1 1.5 2.0 | 0.3 0.42 0.55 | 8.5 7 3.4 | 26 34 34 | 2800 | 0.18 2.3 | 2.3 | 17 | 180 | 160 | 340 | 100×75 | 40 | 45×70 | 4-φ12 | G1/2 | / | / | SD41-0.5 | 60 |
| 20-110 | 1.8 2.5 3.3 | 0.5 0.69 0.91 | 16 15 13.5 | 25 34 35 | 2800 | 0.37 2.3 | 2.3 | 25 | 260 | 230 | 405 | 80×110 | 55 | 50×80 | 4-φ12 | G3/4 | / | / | SD41-0.5 | 75 |
| 20-160 | 1.8 2.5 3.3 | 0.5 0.69 0.91 | 33 32 30 | 19 23 23 | 2900 | 0.75 2.3 | 2.3 | 29 | 300 | 230 | 420 | 90×130 | 65 | 60×100 | 4-φ14 | G3/4 | / | / | SD41-0.5 | 85 |
| 25-110 | 4 5.2 6.8 | 1.1 1.44 1.75 | 15 13.5 11 | 12 11 11 | 2900 | 0.55 2.3 | 2.3 | 26 | 260 | 230 | 415 | 80×110 | 60 | 50×80 | 4-φ14 | φ115 | φ85 | 4-φ14 | SD41-0.5 | 80 |
| 25-125 | 2.8 4 5.2 | 0.78 1.13 1.48 | 20 18 18 | 36 36 38 | 2900 | 0.75 2.3 | 2.3 | 28 | 260 | 230 | 435 | 80×110 | 75 | 50×80 | 4-φ14 | φ115 | φ85 | 4-φ14 | SD41-0.5 | 95 |
| 25-125A | 2.8 3.6 4.6 | 0.78 1.0 1.28 | 33 32 34 | 35 35 34 | 2900 | 0.55 2.3 | 2.3 | 27 | 260 | 230 | 435 | 80×110 | 75 | 50×80 | 4-φ14 | φ115 | φ85 | 4-φ14 | SD41-0.5 | 95 |
| 25-160 | 2.8 4 5.2 | 0.78 1.13 1.48 | 33 32 34 | 35 35 34 | 2900 | 1.5 2.3 | 2.3 | 39 | 300 | 270 | 430 | 90×130 | 65 | 60×100 | 4-φ14 | φ115 | φ85 | 4-φ14 | SD41-0.5 | 85 |
| 25-160A | 2.6 3.7 4.9 | 0.12 1.03 1.36 | 29 26 26 | 31 | 2900 | 1.1 2.3 | 2.3 | 34 | 300 | 270 | 415 | 90×130 | 65 | 60×100 | 4-φ14 | φ115 | φ85 | 4-φ14 | SD41-0.5 | 85 |
| 32-100 | 4.5 4.4 5.3 | 12.5 13.2 15.3 | 12.5 12.5 13.3 | 44 48 49 | 2900 | 0.55 2.0 | 2.0 | 27 | 260 | 230 | 445 | 100×150 | 72 | 70×115 | 4-φ14 | φ140 | φ100 | 4-φ14 | SD41-0.5 | 92 |
| 32-100(I) | 4.4 5.3 6.5 | 1.22 1.75 2.31 | 33.2 32 36.2 | 34 42 42 | 2900 | 2.2 2.0 | 2.0 | 47 | 320 | 270 | 505 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 32-125 | 3.5 4.5 6.1 | 0.97 1.39 1.8 | 22 20 18 | 40 48 42 | 2900 | 0.75 2.3 | 2.3 | 28 | 260 | 230 | 435 | 90×130 | 72 | 60×100 | 4-φ14 | φ140 | φ100 | 4-φ18 | SD41-0.5 | 92 |
| 32-125A | 3.5 4.5 5.8 | 0.86 1.25 1.61 | 17.6 16 14.4 | 43 | 2900 | 0.55 2.3 | 2.3 | 28 | 260 | 230 | 435 | 90×130 | 72 | 60×100 | 4-φ14 | φ140 | φ100 | 4-φ18 | SD41-0.5 | 92 |
| 32-160 | 6.5 6.5 | 5 5 | 32 34 | 44 | 2900 | 1.5 2.3 | 2.3 | 39 | 320 | 270 | 505 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 32-160A | 4 4.3 5.3 | 1.1 1.22 1.75 | 25 32 36.2 | 34 42 42 | 2900 | 2.2 2.0 | 2.0 | 47 | 320 | 270 | 505 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 32-200 | 4.5 4.4 5.3 | 12.5 13.2 15.3 | 12.5 12.5 13.3 | 44 48 49 | 32 | 2.0 | 2.0 | 55 | 340 | 330 | 540 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 32-200(I) | 4.4 5.3 6.5 | 1.22 1.75 2.31 | 33.2 32 36.2 | 34 42 42 | 2900 | 4 2.0 | 2.0 | 43 | 340 | 330 | 560 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 32-200A | 2.8 4 5.2 | 0.78 1.13 1.48 | 44 44 44 | 35 34 34 | 2900 | 2.2 2.0 | 2.0 | 74 | 340 | 330 | 540 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-100 | 4.4 6.3 8.3 | 1.22 1.75 2.31 | 13.2 12.5 11.3 | 48 54 53 | 2900 | 0.55 2.3 | 2.3 | 32 | 260 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-100A | 3.9 5.6 7.4 | 1.08 1.56 2.06 | 10.6 10 9 | 52 | 2900 | 0.37 2.3 | 2.3 | 32 | 260 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-125 | 4.4 6.3 8.3 | 1.22 1.75 2.31 | 21 20 18 | 41 46 41 | 2900 | 1.1 2.3 | 2.3 | 34 | 280 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-125A | 3.9 5.6 7.4 | 1.08 1.56 2.06 | 17.6 16 14.4 | 40 45 41 | 2900 | 0.75 2.3 | 2.3 | 33 | 280 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 105 |
| 40-160 | 4.4 6.3 8.3 | 1.22 1.75 2.31 | 33 32 30 | 35 40 40 | 2900 | 2.2 2.3 | 2.3 | 47 | 320 | 270 | 505 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 40-160A | 4.1 5.9 7.8 | 1.14 1.64 2.17 | 29 28 26.3 | 34 39 39 | 2900 | 1.5 2.3 | 2.3 | 43 | 320 | 270 | 485 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 40-160B | 3.5 4.5 5.8 | 1.22 1.75 2.31 | 25.5 25 22.8 | 34 37 37 | 2900 | 1.1 2.3 | 2.3 | 38 | 320 | 270 | 470 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 110 |
| 40-200 | 6.3 8.3 10.3 | 1.75 2.31 3.1 | 48 48 48 | 33 33 33 | 2900 | 4 2.3 | 2.3 | 74 | 340 | 330 | 560 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200A | 5.9 7.8 10.3 | 1.64 2.17 2.9 | 44 44 44 | 31 30 30 | 2900 | 3 2.3 | 2.3 | 62 | 340 | 330 | 540 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200B | 5.3 7.4 10.3 | 1.47 2.06 2.9 | 36 36 36 | 29 | 2900 | 2.2 2.3 | 2.3 | 52 | 340 | 330 | 505 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250 | 4.1 6.3 8.3 | 1.14 1.75 2.31 | 72 80 74 | 24 28 28 | 2900 | 7.5 2.3 | 2.3 | 105 | 400 | 405 | 630 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250A | 4.1 5.9 7.8 | 1.14 1.64 2.17 | 72 70 65 | 24 28 27 | 2900 | 5.5 2.3 | 2.3 | 98 | 400 | 405 | 630 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250B | 3.8 5.2 7.0 | 1.06 1.53 2.06 | 61.5 60 56 | 23 26 26 | 2900 | 4 2.3 | 2.3 | 77 | 400 | 405 | 565 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-100(I) | 8 12 16.3 | 2.44 3.4 4.53 | 13.2 12.5 11.3 | 60 | 2900 | 1.1 2.3 | 2.3 | 34 | 300 | 230 | 455 | 120×170 | 90 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-100(I)A | 8 11 14.5 | 2.44 3.4 4.53 | 21.2 21.2 17.8 | 49 48 47 | 2900 | 0.75 2.3 | 2.3 | 32 | 300 | 230 | 455 | 120×170 | 90 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-125(I) | 8 12 16.3 | 2.44 3.4 4.53 | 13.2 12.5 11.3 | 60 | 2900 | 1.5 2.3 | 2.3 | 38 | 300 | 240 | 465 | 120×170 | 90 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-125(I)A | 8 11 14.5 | 2.44 3.4 4.53 | 21.2 21.2 17.8 | 49 48 47 | 2900 | 1.1 2.3 | 2.3 | 33 | 300 | 240 | 450 | 120×170 | 90 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 110 |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 2

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor's Power (kw) | NPSH _r | Weight (kg) | Outer Dimension | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | |
|------------|---------------------|----------------------|----------------------|----------------|----------------------|--------------------|-------------------|-------------|-----------------|-----|-----|--------------------------------|------------------------|--------------------------------|------------------|--------------------------------------|----------------|-------|--------------------|----------------|
| | (m ³ /h) | (L/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 40-160(I) | 8.8 12.5 16.3 | 2.44 3.47 4.53 | 33 32 30 | 45 52 51 | 2900 | 3 2.3 | 2.3 | 56 | 340 | 300 | 550 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-160(I)A | 8.2 11.7 15.2 | 2.28 3.22 4.22 | 28 26 26 | 44 50 50 | 2900 | 2.2 2.3 | 2.3 | 47 | 340 | 300 | 515 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-160(I)B | 7.3 10.4 13.5 | 2.08 2.89 3.75 | 22 23 20.5 | 50 | 2900 | 1.5 2.3 | 2.3 | 43 | 340 | 300 | 490 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200(I) | 8.8 12.5 16.3 | 2.44 3.47 4.53 | 51 50 46 | 38 46 46 | 2900 | 5.5 2.3 | 2.3 | 85 | 360 | 350 | 635 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200(I)A | 8.2 11.7 15.2 | 2.28 3.22 4.22 | 44 44 42 | 45 45 45 | 2900 | 4 2.3 | 2.3 | 75 | 360 | 350 | 570 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200(I)B | 7.3 10.4 13.5 | 2.08 2.91 3.83 | 37 36 34 | 41 | 2900 | 3 2.3 | 2.3 | 63 | 360 | 350 | 550 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250(I) | 8.8 12.5 16.3 | 2.44 3.47 4.53 | 81.2 80 77.5 | 31 38 38 | 2900 | 11 2.3 | 2.3 | 145 | 450 | 430 | 780 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSJ2-3 | 205 |
| 40-250(I)A | 8.2 11.7 15.2 | 2.28 3.22 4.22 | 71 70 68 | 38 | 2900 | 7.5 2.3 | 2.3 | 95 | 450 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSJ2-3 | 205 |
| 40-250(I)B | 7.6 10.8 13.5 | 2.11 2.97 3.89 | 61.4 58 58 | 37 | 2900 | 7.5 2.3 | 2.3 | 94 | 450 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSJ2-3 | 205 |
| 40-250(I)C | 7.1 10.4 13.1 | 1.97 2.82 3.64 | 53.2 52 50 | 36 | 2900 | 5.5 2.3 | 2.3 | 88 | 450 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSJ2-3 | 205 |
| 50-100 | 8.8 12.5 16.3 | 2.44 3.47 4.53 | 13.6 13.3 11.3 | 5 | | | | | | | | | | | | | | | | |

ISG IRG GRG IHG YG IHGB ISGD

Vertical Pipeline Centrifugal Pump

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 3

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor's Power (kW) | Weight (kg) | Outer Dimension (m) | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|------------|----------------------|----------------------|-------------------------|--------------------|----------------------|--------------------|-------------|---------------------|-----|-----|--------------------------------|------------------------|--------------------------------|------------------|--------------------------------------|----------------|------|--------------------|----------------|-----|
| | (m³/h) | (L/s) | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ | |
| 50-250(I)A | 16.4 23.4 30.5 | 4.56 6.3 8.47 | 71.5 80 87 | 39 30 32 | 2900 | 11 | 2.5 | 165 | 460 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-250(I)B | 15 21.6 28 | 4.17 6.0 7.78 | 61 69 74 | 38 30 34 | 2900 | 11 | 2.5 | 165 | 460 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I) | 17.5 25 33 | 4.86 6.94 9.03 | 128 125 144 | 30 29 30 | 2900 | 30 | 2.5 | 310 | 550 | 510 | 920 | 160×220 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I)A | 16.6 23.7 31.3 | 4.61 6.58 8.6 | 115 113 124 | 30 29 30 | 2900 | 22 | 2.5 | 245 | 550 | 470 | 855 | 160×220 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I)B | 15.7 22.9 29.2 | 4.36 6.25 8.0 | 103 101 98 | 30 29 30 | 2900 | 18.5 | 2.5 | 215 | 550 | 435 | 830 | 160×220 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I)C | 14.4 20.6 26.8 | 4.0 5.72 7.44 | 86 85 83 | 38 30 34 | 2900 | 15 | 2.5 | 195 | 550 | 435 | 785 | 160×220 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 65-100 | 17.5 25 32.5 | 4.86 6.94 9.03 | 137 135 144 | 67 69 69 | 2900 | 1.5 | 2.5 | 46 | 320 | 235 | 475 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD41-0.5 | 125 |
| 65-100A | 16.6 22.3 29 | 4.61 6.19 8.0 | 115 107 86 | 30 29 30 | 2900 | 1.1 | 2.5 | 41 | 320 | 235 | 460 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD41-0.5 | 125 |
| 65-125 | 17.5 25 32.5 | 4.86 6.94 9.03 | 128 125 144 | 30 29 30 | 2900 | 3 | 2.5 | 58 | 340 | 280 | 550 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-125A | 16.6 23.7 31.3 | 4.61 6.58 8.6 | 115 113 124 | 30 29 30 | 2900 | 2.2 | 2.5 | 49 | 340 | 280 | 515 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-160 | 17.5 25 32.5 | 4.86 6.94 9.03 | 137 135 144 | 67 69 69 | 2900 | 4 | 2.5 | 75 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-160A | 16.6 23.4 31.3 | 4.56 6.3 8.47 | 115 113 124 | 30 29 30 | 2900 | 4 | 2.5 | 75 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-160B | 15.7 22.9 29.2 | 4.36 6.25 8.0 | 103 101 98 | 30 29 30 | 2900 | 3 | 2.5 | 63 | 360 | 305 | 550 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-200 | 17.5 25 32.5 | 4.86 6.94 9.03 | 137 135 144 | 67 69 69 | 2900 | 7.5 | 2.5 | 107 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 125 |
| 65-200A | 16.6 23.7 31.3 | 4.61 6.58 8.6 | 115 113 124 | 30 29 30 | 2900 | 7.5 | 2.5 | 107 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 125 |
| 65-200B | 15.7 22.9 29.2 | 4.36 6.25 8.0 | 103 101 98 | 30 29 30 | 2900 | 5.5 | 2.5 | 100 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 125 |
| 65-250 | 17.5 25 32.5 | 4.86 6.94 9.03 | 137 135 144 | 67 69 69 | 2900 | 15 | 2.5 | 180 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-250A | 16.4 23.4 30.5 | 4.56 6.3 8.47 | 115 113 124 | 30 29 30 | 2900 | 11 | 2.5 | 170 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-250B | 15.7 22.9 29.2 | 4.36 6.25 8.0 | 103 101 98 | 30 29 30 | 2900 | 11 | 2.5 | 170 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315 | 17.5 25 32.5 | 4.86 6.94 9.03 | 137 135 144 | 67 69 69 | 2900 | 30 | 2.5 | 320 | 550 | 510 | 920 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315A | 16.6 23.7 31.3 | 4.61 6.58 8.6 | 115 113 124 | 30 29 30 | 2900 | 22 | 2.5 | 225 | 550 | 470 | 855 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315B | 15.7 22.9 29.2 | 4.36 6.25 8.0 | 103 101 98 | 30 29 30 | 2900 | 18.5 | 2.5 | 255 | 550 | 435 | 830 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315C | 14.4 20.6 26.8 | 4.0 5.72 7.44 | 86 85 83 | 38 30 34 | 2900 | 15 | 2.5 | 205 | 550 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-100(I) | 31.3 44.7 58 | 8.7 12.4 15.8 | 131 142 152 | 66 72 75 | 2900 | 3 | 3.0 | 63 | 400 | 285 | 570 | 160×220 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-100(I)A | 29 41.7 54.6 | 8.1 11.9 15.2 | 131 142 152 | 66 72 75 | 2900 | 2.2 | 3.0 | 53 | 400 | 245 | 535 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-125(I) | 31.3 44.7 58 | 8.7 12.4 15.8 | 131 142 152 | 66 72 75 | 2900 | 5.5 | 3.0 | 99 | 400 | 360 | 660 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-125(I)A | 29 41.7 54.6 | 8.1 11.9 15.2 | 131 142 152 | 66 72 75 | 2900 | 4 | 3.0 | 78 | 400 | 315 | 595 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-160(I) | 31.3 44.7 58 | 8.7 12.4 15.8 | 131 142 152 | 66 72 75 | 2900 | 7.5 | 3.0 | 103 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 145 |
| 65-160(I)A | 29 41.7 54.6 | 8.1 11.9 15.2 | 131 142 152 | 66 72 75 | 2900 | 7.5 | 3.0 | 103 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 145 |
| 65-160(I)B | 31.3 44.7 58 | 8.7 12.4 15.8 | 131 142 152 | 66 72 75 | 2900 | 5.5 | 3.0 | 97 | 400 | 315 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 145 |
| 65-200(I) | 31.3 44.7 58 | 8.7 12.4 15.8 | 131 142 152 | 66 72 75 | 2900 | 15 | 3.0 | 176 | 450 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 225 |
| 65-200(I)A | 29 41.7 54.6 | 8.1 11.9 15.2 | 131 142 152 | 66 72 75 | 2900 | 11 | 3.0 | 166 | 450 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 225 |
| 65-200(I)B | 30.5 43.5 56.5 | 8.5 12.3 16.1 | 130.6 141.7 151.8 | 65.9 71.1 77 | 2900 | 7.5 | 3.0 | 114 | 450 | 360 | 665 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 225 |
| 65-250(I) | 35 48.7 61 | 9.72 13.9 16.9 | 148 159 173 | 72 79 82 | 2900 | 22 | 3.0 | 235 | 480 | 465 | 870 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-250(I)A | 32.5 45.5 58.5 | 9.0 13.9 16.9 | 145 159 173 | 72 79 82 | 2900 | 18.5 | 3.0 | 205 | 480 | 430 | 850 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |

Vertical Pipeline Centrifugal Pump

ISG IRG GRG IHG YG IHGB ISGD

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 4

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor's Power (kW) | Weight (kg) | Outer Dimension (m) | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|------------|----------------------|----------------------|-----------------------|----------------|----------------------|--------------------|-------------|---------------------|-----|-----|--------------------------------|------------------------|--------------------------------|------------------|--------------------------------------|----------------|------|--------------------|----------------|-----|
| | (m³/h) | (L/s) | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ | |
| 65-250(I)B | 30 43.3 56 | 8.3 12.0 15.6 | 62 60 64 | 66 58 54 | 2900 | 15 | 3.0 | 180 | 480 | 430 | 805 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I) | 35 50 65 | 9.72 13.9 18.2 | 128 125 144 | 44 43 47 | 2900 | 37 | 3.0 | 350 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I)A | 32.5 45.5 58.5 | 9.0 13.9 16.9 | 122.6 110 108.4 | 43 44 43 | 2900 | 30 | 3.0 | 335 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I)B | 31 44.7 58 | 8.7 12.4 15.8 | 102.5 98 98 | 53 53 51 | 2900 | 30 | 3.0 | 335 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I)C | 29 41.7 54.6 | 8.1 11.9 15.2 | 87 83 83 | 61 61 59 | 2900 | 22 | 3.0 | 270 | 580 | 470 | 885 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 80-100 | 35 48.7 61 | 9.72 13.9 16.9 | 138 125 110 | 67 73 70 | 2900 | 3 | 3.0 | 63 | 400 | 285 | 570 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-100A | 31.3 44.7 58 | 8.7 12.4 15.8 | 111 107 98 | 66 69 62 | 2900 | 2.2 | 3.0 | 54 | 400 | 245 | 535 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-125 | 35 50 65 | 9.72 13.9 18.2 | 148 145 160 | 55 55 50 | 2900 | 5.5 | 3.0 | 99 | 400 | 360 | 660 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-125A | 31.3 43 56 | 8.7 12.5 15.6 | 137 137 133 | 66 63 61 | 2900 | 4 | 3.0 | 79 | 400 | 315 | 595 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-160 | 35 50 65 | 9 | | | | | | | | | | | | | | | | | | |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 5

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kW) | Weight (kg) | Outer Dimension | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|-------------|--------|-------|----------|----------------|----------------------|------------------|-------------|-----------------|-----|-----|-------|------------------------|-------|---------|--------------------------------------|------|------|--------------------|----------|-----|
| | (m³/h) | (L/s) | | | | | | L | B | H | C1×B1 | A | C2×B2 | 4-d1 | D | D1 | n-d | Specification | H1 | |
| 80-250(I) | 70 | 19.4 | 87 | 82 | 2900 | 37 | 4.0 | 330 | 550 | 520 | 1015 | 190×280 | 155 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 275 |
| 80-250(I)A | 68.1 | 18.2 | 76 | 61 | 2900 | 30 | 4.0 | 315 | 550 | 520 | 1015 | 190×280 | 155 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 275 |
| 80-250(I)B | 113 | 31.4 | 51 | 66 | 2900 | 30 | 4.0 | 315 | 550 | 520 | 1015 | 190×280 | 155 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 275 |
| 80-315(I) | 70 | 19.4 | 132 | 86 | 2900 | 75 | 4.0 | 675 | 640 | 700 | 1235 | 190×280 | 165 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 285 |
| 80-315(I)A | 68.5 | 18.2 | 119 | 86 | 2900 | 55 | 1.0 | 535 | 640 | 640 | 1165 | 190×280 | 165 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 285 |
| 80-315(I)B | 113 | 31.4 | 103 | 67 | 2900 | 45 | 1.0 | 535 | 640 | 640 | 1165 | 190×280 | 165 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 285 |
| 80-315(I)C | 82 | 22.8 | 85 | 63 | 2900 | 37 | 4.0 | 366 | 640 | 520 | 1040 | 190×280 | 165 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 285 |
| 100-100 | 70 | 19.4 | 13.6 | 93 | 2900 | 5.5 | 4.5 | 113 | 460 | 360 | 675 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 160 |
| 100-100A | 62.8 | 17.4 | 11 | 64 | 2900 | 4 | 4.5 | 91 | 460 | 315 | 610 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 160 |
| 100-100B | 89 | 24.7 | 10 | 74 | 2900 | 4 | 4.5 | 91 | 460 | 315 | 610 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 160 |
| 100-125 | 70 | 19.4 | 23.5 | 98 | 2900 | 11 | 4.5 | 169 | 440 | 430 | 805 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-125A | 62.6 | 17.4 | 19 | 68 | 2900 | 7.5 | 4.5 | 118 | 440 | 350 | 675 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-125B | 89 | 24.7 | 14 | 74 | 2900 | 7.5 | 4.5 | 118 | 440 | 350 | 675 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-160 | 70 | 19.4 | 36.8 | 90 | 2900 | 15 | 4.5 | 191 | 500 | 430 | 835 | 160×220 | 160 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 260 |
| 100-160A | 65.4 | 18.2 | 32 | 58 | 2900 | 11 | 4.5 | 181 | 500 | 430 | 835 | 160×220 | 160 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 260 |
| 100-160B | 89 | 24.7 | 27 | 64 | 2900 | 11 | 4.5 | 181 | 500 | 430 | 835 | 160×220 | 160 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 260 |
| 100-200 | 70 | 19.4 | 54 | 84 | 2900 | 22 | 4.0 | 245 | 480 | 475 | 880 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-200A | 65.1 | 18.2 | 47.5 | 64 | 2900 | 18.5 | 4.0 | 215 | 480 | 430 | 860 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-200B | 89 | 24.7 | 41 | 73 | 2900 | 15 | 4.0 | 193 | 480 | 430 | 815 | 160×220 | 140 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 240 |
| 100-230 | 70 | 19.4 | 82 | 82 | 2900 | 37 | 4.0 | 345 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-230A | 65.4 | 18.2 | 76 | 61 | 2900 | 30 | 4.0 | 330 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-230B | 87 | 24.2 | 60 | 66 | 2900 | 30 | 4.0 | 330 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-315 | 70 | 19.4 | 132 | 85 | 2900 | 75 | 4.0 | 689 | 640 | 700 | 1235 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-315A | 66.5 | 18.5 | 119 | 65 | 2900 | 55 | 4.0 | 549 | 640 | 640 | 1165 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-315B | 89 | 24.7 | 113 | 66 | 2900 | 45 | 4.0 | 439 | 640 | 580 | 1080 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-315C | 58 | 16.1 | 90 | 63 | 2900 | 37 | 4.0 | 385 | 640 | 520 | 1040 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-100(I) | 96 | 26.7 | 14 | 64 | 2900 | 11 | 4.5 | 115 | 500 | 415 | 802 | 190×280 | 140 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 180 |
| 100-125(I) | 96 | 26.7 | 24 | 62 | 2900 | 15 | 4.5 | 168 | 500 | 300 | 807 | 190×280 | 160 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 180 |
| 100-125(I)A | 84 | 23.3 | 20 | 69 | 2900 | 11 | 4.5 | 168 | 500 | 280 | 807 | 190×280 | 160 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 180 |
| 100-160(I) | 96 | 26.7 | 32 | 78 | 2900 | 22 | 5.6 | 210 | 500 | 330 | 884 | 190×280 | 170 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 190 |
| 100-160(I)A | 84 | 23.3 | 28 | 66 | 2900 | 18.5 | 5.0 | 210 | 500 | 330 | 884 | 190×280 | 170 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 190 |
| 100-200(I) | 96 | 26.7 | 53 | 89 | 2900 | 37 | 5.2 | 402 | 540 | 365 | 970 | 160×220 | 165 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 185 |
| 100-200(I)A | 80 | 16.7 | 42 | 72 | 2900 | 22 | 4.5 | 360 | 510 | 345 | 970 | 160×220 | 165 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 185 |
| 100-250(I) | 96 | 26.7 | 72 | 74 | 2900 | 55 | 4.8 | 560 | 600 | 435 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |
| 100-250(I)A | 84 | 23.3 | 75 | 60 | 2900 | 45 | 4.5 | 420 | 600 | 360 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |
| 100-250(I)B | 100 | 16.7 | 68 | 70 | 2900 | 37 | 4.5 | 400 | 600 | 360 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 6

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kW) | Weight (kg) | Outer Dimension | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|----------|--------|-------|----------|----------------|----------------------|------------------|-------------|-----------------|-----|-----|-------|------------------------|-------|---------|--------------------------------------|------|------|--------------------|---------|-----|
| | (m³/h) | (L/s) | | | | | | L | B | H | C1×B1 | A | C2×B2 | 4-d1 | D | D1 | n-d | Specification | H1 | |
| 100-350 | 60 | 16.7 | 153.6 | 72 | 2900 | 90 | 4.0 | 950 | 680 | 630 | 1310 | 230×320 | 175 | 170×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JSD-150 | 335 |
| 100-350A | 61 | 16.9 | 145.6 | 75 | 2900 | 75 | 4.0 | 830 | 680 | 630 | 1260 | 230×320 | 175 | 170×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JSD-150 | 335 |
| 100-350B | 58 | 16.1 | 138.6 | 75 | 2900 | 55 | 4.0 | 600 | 680 | 605 | 1190 | 230×320 | 175 | 170×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JSD-150 | 335 |
| 125-100 | 96 | 26.7 | 13 | 82 | 2900 | 11 | 4.0 | 180 | 520 | 430 | 830 | 160×220 | 165 | 120×180 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 265 |
| 125-100A | 86 | 23.9 | 10.4 | 77 | 2900 | 7.5 | 4.0 | 125 | 520 | 360 | 730 | 160×220 | 165 | 120×180 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 265 |
| 125-125 | 96 | 26.7 | 22.6 | 80 | 2900 | 15 | 4.0 | 220 | 520 | 430 | 840 | 190×280 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 270 |
| 125-125A | 86 | 23.9 | 18 | 77 | 2900 | 11 | 4.0 | 210 | 520 | 430 | 840 | 190×280 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 270 |
| 125-160 | 96 | 26.7 | 36 | 78 | 2900 | 22 | 4.0 | 265 | 520 | 460 | 920 | 190×280 | 175 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 275 |
| 125-160A | 90 | 25 | 31.5 | 76 | 2900 | 18.5 | 4.0 | 230 | 520 | 430 | 890 | 190×280 | 175 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 275 |
| 125-160B | 83 | 21.7 | 27 | 73 | 2900 | 15 | 4.0 | 215 | 520 | 430 | 850 | 190×280 | 175 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 275 |
| 125-200 | 96 | 26.7 | 55 | 77 | 2900 | 37 | 5.5 | 395 | 540 | 510 | 1040 | 250×300 | 175 | 210×260 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 295 |
| 125-200A | 90 | 25 | 48.4 | 76 | 2900 | 30 | 5.5 | 380 | 540 | 510 | 1040 | 250×300 | 175 | 210×260 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 295 |
| 125-200B | 83 | 21.7 | 41.3 | 75 | 2900 | 22 | 5.5 | 320 | 540 | 460 | 980 | 250×300 | 175 | 210×260 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 295 |
| 125-250 | 96 | 26.7 | 87 | 75 | 2900 | 55 | 5.0 | 580 | 680 | 660 | 1380 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-250A | 90 | 25 | 74 | 74 | 2900 | 45 | 5.5 | 490 | 680 | 570 | 1080 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-250B | 83 | 21.7 | 65 | 73 | 2900 | 37 | 5.5 | 430 | 680 | 510 | 1050 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-315 | 96 | 26.7 | 133 | 70 | 2900 | 90 | 5.0 | 790 | 680 | 685 | 1350 | 300×350 | 180 | 230×280 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-3 | 300 |

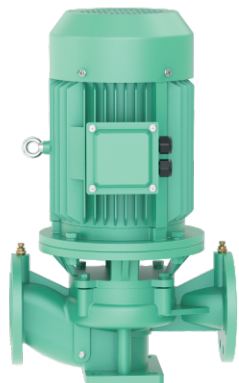
ISG IRG GRG IHG YG IHGB ISGD

Vertical Pipeline Centrifugal Pump

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 7

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor's Power (kw) | NPSH _r | Weight (kg) | Outer Dimension | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|-------------|---------------------|-------|----------|----------------|----------------------|--------------------|-------------------|-------------|-----------------|-----|------|--------------------------------|-----|--------------------------------|--------------------------------------|------|----------------|--------------------|---------------|----------------|
| | (m ³ /h) | (L/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 150-350A | 90 | 25 | 145.6 | 70 | 2900 | 90 | 5.2 | 790 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| | 150 | 43 | 142.8 | 70 | 2900 | 150 | 5.2 | 790 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| | 180 | 50 | 134.8 | 65 | 2900 | 180 | 5.5 | 705 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| 150-350B | 84 | 23 | 135.6 | 65 | 2900 | 84 | 5.5 | 705 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| | 140 | 39 | 135.6 | 76 | 2900 | 140 | 5.5 | 705 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| | 210 | 58 | 124.5 | 68 | 2900 | 210 | 5.5 | 705 | 760 | 530 | 1075 | 250×300 | 205 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 325 |
| 150-400 | 131 | 36.4 | 46.6 | 67 | 1450 | 45 | 3.5 | 490 | 800 | 595 | 1120 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| | 187 | 51.9 | 40 | 74 | 1450 | 37 | 3.5 | 454 | 800 | 595 | 1095 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| | 243 | 67.5 | 38.3 | 70 | 1450 | 30 | 3.5 | 435 | 800 | 560 | 1075 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| 150-400B | 112 | 31.1 | 34 | 73 | 1450 | 30 | 3.5 | 435 | 800 | 560 | 1075 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| | 160 | 44.4 | 32 | 72 | 1450 | 22 | 3.5 | 400 | 800 | 535 | 1000 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| | 208 | 57.8 | 28 | 71 | 1450 | 22 | 3.5 | 400 | 800 | 535 | 1000 | 250×300 | 210 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 330 |
| 150-250(I) | 120 | 33.3 | 87 | 63 | 2900 | 75 | 4.5 | 702 | 700 | 700 | 1280 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 200 | 55.6 | 80 | 78 | 2900 | 55 | 4.5 | 561 | 700 | 640 | 1200 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 240 | 66.7 | 72 | 74 | 2900 | 45 | 4.5 | 460 | 700 | 585 | 1115 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| 150-250(I)A | 104 | 28.9 | 65 | 63 | 2900 | 55 | 4.5 | 561 | 700 | 640 | 1200 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 187 | 51.9 | 70 | 73 | 2900 | 45 | 4.5 | 460 | 700 | 585 | 1115 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 240 | 66.7 | 72 | 74 | 2900 | 45 | 4.5 | 460 | 700 | 585 | 1115 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| 150-250(I)B | 110 | 31 | 84 | 64 | 2900 | 55 | 4.5 | 561 | 700 | 640 | 1200 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 173 | 48.1 | 60 | 74 | 2900 | 45 | 4.5 | 460 | 700 | 585 | 1115 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| | 208 | 57.8 | 54 | 72 | 2900 | 45 | 4.5 | 460 | 700 | 585 | 1115 | 250×300 | 195 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 315 |
| 150-315(I) | 120 | 33.3 | 123 | 63 | 2900 | 110 | 4.5 | 980 | 760 | 900 | 1560 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 240 | 66.7 | 124 | 73 | 2900 | 90 | 4.5 | 800 | 760 | 700 | 1330 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 240 | 66.7 | 124 | 73 | 2900 | 90 | 4.5 | 800 | 760 | 700 | 1330 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| 150-315(I)A | 112 | 31.1 | 116 | 67 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 173 | 48.1 | 100 | 55 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 208 | 57.8 | 95 | 70 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| 150-315(I)B | 104 | 28.9 | 100 | 55 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 173 | 48.1 | 95 | 70 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| | 208 | 57.8 | 84 | 72 | 2900 | 75 | 4.5 | 724 | 760 | 700 | 1210 | 250×300 | 200 | 210×260 | 4-φ18 | φ285 | φ240 | 8-φ22 | JGD3-3 | 320 |
| 200-200 | 140 | 38.9 | 13.8 | 68 | 1450 | 15 | 3.0 | 265 | 680 | 435 | 930 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| | 200 | 55.6 | 12.8 | 78 | 1450 | 15 | 3.0 | 265 | 680 | 435 | 930 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| | 240 | 66.7 | 10.6 | 68 | 1450 | 15 | 3.0 | 265 | 680 | 435 | 930 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| 200-200A | 125 | 34.7 | 11 | 66 | 1450 | 11 | 3.0 | 244 | 680 | 435 | 885 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| | 170 | 47.9 | 10 | 76 | 1450 | 11 | 3.0 | 244 | 680 | 435 | 885 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| | 232.5 | 64.6 | 8.5 | 76 | 1450 | 11 | 3.0 | 244 | 680 | 435 | 885 | 300×370 | 200 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 300 |
| 200-250 | 140 | 38.9 | 21.8 | 73 | 1450 | 18.5 | 3.0 | 305 | 750 | 475 | 960 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 200 | 55.6 | 20 | 79 | 1450 | 18.5 | 3.0 | 305 | 750 | 475 | 960 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 240 | 66.7 | 17 | 77 | 1450 | 18.5 | 3.0 | 305 | 750 | 475 | 960 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| 200-250A | 184 | 51.2 | 17 | 78 | 1450 | 15 | 3.0 | 267 | 750 | 475 | 940 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 240 | 66.7 | 14 | 76 | 1450 | 15 | 3.0 | 267 | 750 | 475 | 940 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 240 | 66.7 | 14 | 76 | 1450 | 15 | 3.0 | 267 | 750 | 475 | 940 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| 200-250B | 167 | 46.4 | 14 | 76 | 1450 | 11 | 3.0 | 246 | 750 | 445 | 895 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 217.5 | 60.4 | 12 | 76 | 1450 | 11 | 3.0 | 246 | 750 | 445 | 895 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| | 217.5 | 60.4 | 12 | 76 | 1450 | 11 | 3.0 | 246 | 750 | 445 | 895 | 300×370 | 210 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD2-3 | 310 |
| 200-315 | 140 | 38.9 | 35.8 | 80 | 1450 | 30 | 3.5 | 417 | 800 | 530 | 1075 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 200 | 55.6 | 32 | 78 | 1450 | 30 | 3.5 | 417 | 800 | 530 | 1075 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 240 | 66.7 | 29 | 69 | 1450 | 30 | 3.5 | 417 | 800 | 530 | 1075 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| 200-315A | 131 | 36.4 | 29.5 | 68 | 1450 | 22 | 3.5 | 342 | 800 | 505 | 1000 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 189 | 51.9 | 28 | 77 | 1450 | 22 | 3.5 | 342 | 800 | 505 | 1000 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 243 | 67.5 | 21 | 72 | 1450 | 22 | 3.5 | 342 | 800 | 505 | 1000 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| 200-315B | 121 | 33.6 | 25 | 68 | 1450 | 18.5 | 3.5 | 322 | 800 | 505 | 960 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 173 | 48.1 | 24 | 66 | 1450 | 18.5 | 3.5 | 322 | 800 | 505 | 960 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| | 225 | 62.5 | 21 | 72 | 1450 | 18.5 | 3.5 | 322 | 800 | 505 | 960 | 270×320 | 210 | 220×270 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 330 |
| 200-400 | 140 | 38.9 | 53 | 68 | 1450 | 45 | 3.5 | 498 | 860 | 595 | 1120 | 300×370 | 225 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 345 |
| | 200 | 55.6 | 50 | 75 | 1450 | 45 | 3.5 | 498 | 860 | 595 | 1120 | 300×370 | 225 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | 345 |
| | 240 | 66.7 | 44 | 71 | 1450 | 45 | 3.5 | 498 | 860 | 595 | 1120 | 300×370 | 225 | 250×320 | 4-φ22 | φ340 | φ295 | 12-φ22 | JGD3-3 | |

ISGD LOW-SPEED CENTRIFUGAL PUMP



MAIN USAGE

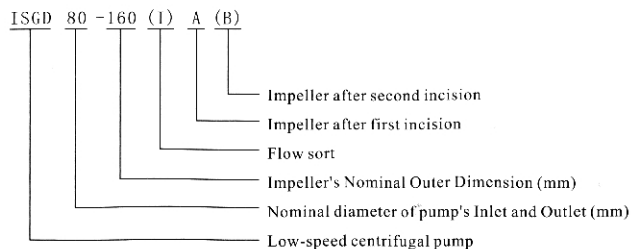
ISGD low speed centrifugal pumps with low speed mainly apply to air-condition system's refrigerated water, refrigerated water circulation and end supercharge, parts' or end's supercharge circulation and heat supply system in city and parts' constant pressure for city construction fire fighting system and all kinds of air condition and water boiler.

WORKING CONDITION

ISGD system's max working pressure is 1.6MPa if the motor's power is larger than 0.75 kw, namely the suction pressure added to height are less than or equal to 1.6 MPa, the pump's pressure for hydrostatic test is 2.5MPa, pump's max working pressure is 0.8MPa if the machine's power is below 0.75kw. Please give clear indication of system's working pressure when ordering, it should be additionally indicated when the system's working pressure is larger than 1.6 MPa in order to adopt cast steel material when making the overflow and connecting parts.

The media of ISGD series are cold, warm water or liquid with similar physical and chemical characteristics as water, the temperature of that should not exceed 120°C.

MODEL SIGNIFICANCE



MAIN CHARACTERISTICS

ISGD low-speed centrifugal pump series are designed on the basis of ISG vertical centrifugal pump uniting low speed motor, which greatly decrease the operating noise and redoubled prolong damageable parts' useful life, it is most suitable for air-condition cycling and heating cycle and all kinds of cycling's end supercharging. Creatively designed vertical structure makes it cover less area and less space, also used more conveniently.

SUMMARIZE

ISGD centrifugal pump series with low speed are designed on the basis of ISG series, also referring to IS centrifugal pump's performance parameter and according to pipeline centrifugal pump's special characteristics. They are made and designed strictly complying with International standard ISO2858.

The products which have many advantages such as high-effective, reliable specification adopt hardhitting hydraulic model provided by pumps' experts. Some of them gaining good recognition of customers from home and abroad are exported.

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kw) | Weight (kg) | Outer Dimension | | | | Installation Dimension | | | Dimension of inlet and outlet flange | | Vibration Isolator | | | |
|-------------|--------|-------|----------|----------------|----------------------|------------------|-------------|-----------------|-----|-----|-------|------------------------|-------|---------|--------------------------------------|------|--------------------|---------------|----------|-----|
| | (m³/h) | (l/s) | | | | | | L | B | H | C₁×B₁ | A | C₂×B₂ | 4-d₁ | D | D₁ | n-d | Specification | H₁ | |
| 40-100 | 2.2 | 0.61 | 3.3 | 48 | 1400 | 0.12 | 2.5 | 17 | 260 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-125 | 3.2 | 0.89 | 5.5 | 40 | 1400 | 0.18 | 2.5 | 19 | 280 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-125A | 3.0 | 0.83 | 4.4 | 39 | 1400 | 0.12 | 2.5 | 19 | 280 | 230 | 445 | 100×150 | 85 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 105 |
| 40-160 | 4.2 | 1.17 | 7.5 | 36 | 1400 | 0.25 | 2.5 | 24 | 320 | 270 | 505 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-160A | 3.0 | 0.83 | 6.8 | 35 | 1400 | 0.18 | 2.5 | 22 | 320 | 270 | 485 | 100×150 | 90 | 70×115 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200 | 4.2 | 1.17 | 12 | 31 | 1450 | 0.55 | 2.5 | 38 | 340 | 330 | 560 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200A | 2.8 | 0.78 | 10 | 30 | 1400 | 0.37 | 2.5 | 30 | 340 | 330 | 540 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-230 | 4.2 | 1.17 | 18.5 | 25 | 1450 | 1.1 | 2.5 | 52 | 400 | 405 | 630 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250A | 2.8 | 0.78 | 16.4 | 25 | 1450 | 0.75 | 2.5 | 47 | 400 | 405 | 630 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250B | 2.3 | 0.64 | 13 | 24 | 1450 | 0.55 | 2.5 | 46 | 400 | 405 | 565 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-100 (I) | 6.3 | 1.75 | 3 | 54 | 1400 | 0.12 | 2.5 | 17 | 300 | 230 | 455 | 120×170 | 90 | 80×135 | 4-φ14 | φ130 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-125 (I) | 6.3 | 1.75 | 5.0 | 54 | 1400 | 0.25 | 2.5 | 29 | 300 | 240 | 465 | 120×170 | 90 | 80×135 | 4-φ14 | φ130 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-125 (I)A | 3.4 | 0.94 | 4.3 | 52 | 1400 | 0.18 | 2.5 | 24 | 300 | 240 | 450 | 120×170 | 90 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD41-0.5 | 110 |
| 40-160 (I) | 6.3 | 1.75 | 8.0 | 47 | 1450 | 0.55 | 2.5 | 43 | 340 | 300 | 550 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-160 (I)A | 3.0 | 0.83 | 5.6 | 45 | 1400 | 0.25 | 2.5 | 30 | 340 | 300 | 515 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200 (I) | 6.3 | 1.75 | 12.5 | 40 | 1450 | 0.75 | 2.5 | 45 | 360 | 350 | 635 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-200 (I)A | 5.5 | 1.53 | 9.5 | 39 | 1450 | 0.55 | 2.5 | 44 | 360 | 350 | 570 | 120×170 | 95 | 80×135 | 4-φ14 | φ150 | φ110 | 4-φ18 | SD61-0.5 | 115 |
| 40-250 (I) | 6.3 | 1.75 | 20 | 32 | 1450 | 1.5 | 2.5 | 54 | 450 | 430 | 780 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSD2-3 | 205 |
| 40-250 (I)A | 3.4 | 0.94 | 16.4 | 32 | 1450 | 1.1 | 2.5 | 49 | 450 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSD2-3 | 205 |
| 40-250 (I)B | 3.1 | 0.86 | 13.2 | 30 | 1450 | 0.75 | 2.5 | 42 | 450 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ150 | φ110 | 4-φ18 | JSD2-3 | 205 |
| 50-100 | 6.3 | 1.75 | 4 | 54 | 1400 | 0.12 | 2.5 | 19 | 290 | 230 | 455 | 100×150 | 95 | 70×115 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD41-0.5 | 115 |
| 50-125 | 6.3 | 1.75 | 5.0 | 54 | 1400 | 0.25 | 2.5 | 25 | 300 | 240 | 465 | 100×150 | 95 | 70×115 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD41-0.5 | 105 |
| 50-125A | 5.0 | 1.38 | 3.9 | 52 | 1400 | 0.18 | 2.5 | 19 | 300 | 240 | 450 | 100×150 | 95 | 70×115 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD41-0.5 | 105 |
| 50-160 | 6.3 | 1.75 | 7.5 | 47 | 1450 | 0.55 | 2.5 | 42 | 320 | 300 | 550 | 120×170 | 100 | 80×135 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |
| 50-160A | 3.0 | 0.83 | 5.6 | 45 | 1400 | 0.25 | 2.5 | 37 | 320 | 300 | 515 | 120×170 | 100 | 80×135 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |
| 50-200 | 6.3 | 1.75 | 12.5 | 40 | 1450 | 0.75 | 2.5 | 48 | 360 | 350 | 635 | 120×170 | 100 | 80×135 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |
| 50-200A | 3.3 | 0.92 | 10 | 39 | 1450 | 0.55 | 2.5 | 46 | 360 | 350 | 570 | 120×170 | 100 | 80×135 | 4-φ14 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |
| 50-250 | 6.3 | 1.75 | 20 | 32 | 1450 | 1.5 | 2.5 | 58 | 440 | 430 | 780 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 205 |
| 50-250A | 3.4 | 0.94 | 16.4 | 32 | 1450 | 1.1 | 2.5 | 50 | 440 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 205 |
| 50-250B | 3.1 | 0.86 | 13.2 | 30 | 1450 | 0.75 | 2.5 | 49 | 440 | 360 | 650 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 205 |
| 50-100 (I) | 7.5 | 2.08 | 3.5 | 63 | 1400 | 0.25 | 2.5 | 23 | 320 | 235 | 475 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD41-0.5 | 125 |
| 50-125 (I) | 7.5 | 2.08 | 5.0 | 63 | 1400 | 0.37 | 2.5 | 34 | 340 | 280 | 550 | 140×200 | 95 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 110 |
| 50-125 (I)A | 4.6 | 1.28 | 4.1 | 60 | 1400 | 0.25 | 2.5 | 33 | 340 | 280 | 515 | 140×200 | 95 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 110 |
| 50-160 (I) | 7.5 | 2.08 | 8 | 59 | 1450 | 0.55 | 2.8 | 46 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 2

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kW) | NPSH _r (m) | Weight (kg) | Outer Dimension | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|------------|----------------------|----------------------|----------------------|----------------|----------------------|------------------|-----------------------|-------------|-----------------|-----|------|--------------------------------|-----|--------------------------------|--------------------------------------|------|----------------|--------------------|---------------|----------------|
| | (m ³ /h) | (l/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 50-160(I)A | 6.5 10.8 15.0 | 1.81 3.0 4.17 | 6.6 3.0 6.4 | 57 | 1400 | 0.37 | 2.8 | 34 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 120 |
| 50-200(I) | 7.5 12.5 15 | 2.08 3.47 4.17 | 13.2 12.5 9.6 | 54 | 1450 | 1.1 | 2.8 | 52 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 125 |
| 50-200(I)A | 6.8 11.3 15 | 1.89 3.14 4.17 | 10.7 10.1 9.6 | 53 | 1450 | 0.75 | 2.8 | 48 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ165 | φ125 | 4-φ18 | SD61-0.5 | 125 |
| 50-250(I) | 7.5 12.5 15 | 2.08 3.47 4.17 | 21 20 19.4 | 45 | 1450 | 2.2 | 2.8 | 73 | 460 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-250(I)A | 7.0 12.5 15 | 1.94 3.47 4.17 | 18.4 17.6 17 | 44 | 1450 | 1.5 | 2.8 | 65 | 460 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-250(I)B | 6.1 10.2 14.1 | 1.69 2.83 3.92 | 13.1 13.0 13.0 | 43 | 1450 | 1.1 | 2.8 | 60 | 460 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I) | 7.5 12.5 15 | 2.08 3.47 4.17 | 32.3 31.7 31.7 | 36 | 1450 | 4.0 | 2.8 | 89 | 550 | 510 | 920 | 190×280 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I)A | 6.1 11.3 15 | 1.69 2.83 3.92 | 28.1 27.6 27.6 | 36 | 1450 | 3.0 | 2.8 | 84 | 550 | 470 | 855 | 190×280 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 50-315(I)B | 6.1 11.3 15 | 1.69 2.83 3.92 | 21.2 20.8 20.8 | 34 | 1450 | 3.0 | 2.8 | 82 | 550 | 435 | 830 | 190×280 | 110 | 160×220 | 4-φ18 | φ165 | φ125 | 4-φ18 | JGD2-3 | 210 |
| 65-100 | 7.5 15 | 2.08 4.17 | 3.3 2.5 | 63 | 1400 | 0.25 | 2.8 | 29 | 320 | 235 | 475 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD41-0.5 | 125 |
| 65-125 | 7.5 15 | 2.08 4.17 | 5.4 4.7 | 63 | 1400 | 0.37 | 2.8 | 32 | 340 | 280 | 550 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-125A | 6.6 12.5 15 | 1.83 3.47 4.17 | 4.1 3.8 3.4 | 60 | 1400 | 0.25 | 2.8 | 27 | 340 | 280 | 515 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-160 | 6.8 12.5 15 | 1.89 3.47 4.17 | 6.8 6.8 7.2 | 59 | 1450 | 0.55 | 2.8 | 46 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-160A | 6.8 10.8 13.0 | 1.89 3.0 4.17 | 6.8 5.4 5.4 | 57 | 1400 | 0.37 | 2.8 | 35 | 360 | 305 | 570 | 140×200 | 100 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 120 |
| 65-200 | 7.5 12.5 15 | 2.08 3.47 4.17 | 13.2 12.5 11.8 | 54 | 1450 | 1.1 | 2.8 | 52 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 125 |
| 65-200A | 6.8 11.3 13.3 | 1.89 3.14 3.75 | 10.7 10.1 9.6 | 53 | 1450 | 0.75 | 2.8 | 48 | 380 | 350 | 635 | 140×200 | 105 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 125 |
| 65-250 | 7.5 12.5 15 | 2.08 3.47 4.17 | 21 20 19.4 | 45 | 1450 | 2.2 | 2.8 | 76 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-250A | 7.0 11.7 14.1 | 1.94 3.25 3.92 | 18.4 17.6 17 | 44 | 1450 | 1.5 | 2.8 | 68 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-250B | 6.1 10.2 12.5 | 1.69 2.83 3.47 | 13.1 13.0 13.0 | 43 | 1450 | 1.1 | 2.8 | 63 | 480 | 435 | 785 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315 | 7.5 12.5 15 | 2.08 3.47 4.17 | 32.3 31.7 31.7 | 36 | 1450 | 4.0 | 2.8 | 89 | 550 | 510 | 920 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315A | 7.0 11.7 14.1 | 1.94 3.25 3.92 | 28.1 27.6 27.6 | 36 | 1450 | 3.0 | 2.8 | 85 | 550 | 470 | 855 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-315B | 6.1 10.2 12.5 | 1.69 2.83 3.47 | 21.2 20.8 20.8 | 34 | 1450 | 3.0 | 2.8 | 82 | 550 | 435 | 835 | 160×220 | 110 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 210 |
| 65-100(I) | 15 25 30 | 4.17 6.94 8.33 | 5.6 5.4 4.5 | 70 | 1400 | 0.37 | 2.8 | 33 | 400 | 285 | 570 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-125(I) | 15 30 | 4.17 8.33 | 5.6 4.5 | 70 | 1450 | 0.75 | 2.8 | 49 | 400 | 360 | 660 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-125(I)A | 13.1 21.8 26.6 | 3.05 6.05 7.29 | 4.3 3.8 3.4 | 65 | 1450 | 0.55 | 2.8 | 48 | 400 | 315 | 595 | 140×200 | 120 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 140 |
| 65-160(I) | 15 30 | 4.17 8.33 | 7.2 7.2 | 68 | 1450 | 1.1 | 2.8 | 54 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 145 |
| 65-160(I)A | 13.0 21.8 26.9 | 3.61 6.05 7.19 | 6.7 6.0 5.4 | 65 | 1450 | 0.75 | 2.8 | 48 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | SD61-0.5 | 145 |
| 65-200(I) | 15 30 | 4.17 8.33 | 13.2 11.8 | 64 | 1450 | 2.2 | 2.8 | 71 | 450 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 225 |
| 65-200(I)A | 14.0 21.8 27.9 | 3.89 6.05 7.75 | 11.5 10.2 10.2 | 63 | 1450 | 1.5 | 2.8 | 62 | 450 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 225 |
| 65-250(I) | 15 30 | 4.17 8.33 | 21 18.8 | 59 | 1450 | 3.0 | 2.8 | 85 | 480 | 465 | 870 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-250(I)A | 13.3 22.2 26.6 | 3.75 6.05 7.39 | 10.1 9.6 8.8 | 58 | 1450 | 2.2 | 2.8 | 80 | 480 | 430 | 850 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-250(I)B | 11.9 19.8 23.8 | 3.33 5.5 6.61 | 11.9 12.6 11.8 | 57 | 1450 | 1.5 | 2.8 | 74 | 480 | 430 | 805 | 160×220 | 130 | 120×180 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I) | 15 30 | 4.17 8.33 | 32.3 31.5 | 50 | 1450 | 5.5 | 2.8 | 120 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 65-315(I)A | 14.1 23.8 28 | 3.92 6.39 7.78 | 27.6 27.9 27.4 | 50 | 1450 | 4.0 | 2.8 | 110 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 3

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kW) | NPSH _r (m) | Weight (kg) | Outer Dimension | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|------------|----------------------|----------------------|----------------------|----------------|----------------------|------------------|-----------------------|-------------|-----------------|-----|------|--------------------------------|-----|--------------------------------|--------------------------------------|------|----------------|--------------------|---------------|----------------|
| | (m ³ /h) | (l/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 65-315(I)B | 12.1 20.2 24.2 | 3.36 5.6 6.75 | 21.3 21 20.6 | 49 | 1450 | 3.0 | 2.8 | 100 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ185 | φ145 | 4-φ18 | JGD2-3 | 230 |
| 80-100 | 15 30 | 4.17 8.33 | 3.5 2.5 | 70 | 1400 | 0.37 | 2.8 | 33 | 400 | 285 | 570 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-125 | 15 30 | 4.17 8.33 | 5.6 4.5 | 70 | 1450 | 0.75 | 2.8 | 48 | 400 | 360 | 660 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-125A | 13.1 21.8 26.6 | 3.05 6.05 7.29 | 4.3 3.8 3.4 | 65 | 1450 | 0.55 | 2.8 | 45 | 400 | 315 | 595 | 140×200 | 120 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 140 |
| 80-160 | 15 30 | 4.17 8.33 | 9 7.2 | 68 | 1450 | 1.1 | 2.8 | 55 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 145 |
| 80-160A | 13.0 21.8 27.9 | 3.61 6.05 7.19 | 6.7 6.0 5.4 | 65 | 1450 | 0.75 | 2.8 | 51 | 400 | 360 | 660 | 140×200 | 125 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | SD61-0.5 | 145 |
| 80-200 | 15 30 | 4.17 8.33 | 13.2 11.8 | 64 | 1450 | 2.2 | 2.8 | 72 | 430 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 225 |
| 80-200A | 14.0 21.8 27.9 | 3.89 6.05 7.75 | 11.5 10.2 10.2 | 63 | 1450 | 1.5 | 2.8 | 64 | 430 | 430 | 795 | 140×200 | 125 | 100×160 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 225 |
| 80-250 | 15 30 | 4.17 8.33 | 21 18.8 | 59 | 1450 | 3.0 | 2.8 | 89 | 480 | 465 | 870 | 160×220 | 130 | 120×180 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 230 |
| 80-250A | 13.3 22.2 26.6 | 3.75 6.05 7.39 | 10.1 9.6 8.8 | 58 | 1450 | 2.2 | 2.8 | 85 | 480 | 430 | 850 | 160×220 | 130 | 120×180 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 230 |
| 80-250B | 11.9 19.8 23.8 | 3.33 5.5 6.61 | 11.9 12.6 11.8 | 57 | 1450 | 1.5 | 2.8 | 78 | 480 | 430 | 805 | 160×220 | 130 | 120×180 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 230 |
| 80-315 | 15 30 | 4.17 8.33 | 32.3 31.5 | 50 | 1450 | 5.5 | 2.8 | 130 | 580 | 530 | 1000 | 190×280 | 130 | 160×220 | 4-φ18 | φ200 | φ160 | 8-φ18 | JGD2-3 | 230 |

MAIN PERFORMANCE PARAMETER AND INSTALLING DIMENSION TABLE 4

| Model | Flow Q | | Head (m) | Efficiency (%) | Rotary Speed (r/min) | Motor Power (kw) | NPSH _r | Weight (kg) | Outer Dimension | | | Installation Dimension | | | Dimension of inlet and outlet flange | | | Vibration Isolator | | |
|-------------|---------------------|----------------|--------------|----------------|----------------------|------------------|-------------------|-------------|-----------------|-----|------|--------------------------------|-----|--------------------------------|--------------------------------------|------|----------------|--------------------|---------------|----------------|
| | (m ³ /h) | (l/s) | | | | | | | L | B | H | C ₁ ×B ₁ | A | C ₂ ×B ₂ | 4-d ₁ | D | D ₁ | n-d | Specification | H ₁ |
| 100-250 | 30 60 | 8.33 16.67 | 21.3 17.4 | 66 | 1450 | 5.5 | 3.0 | 140 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-250A | 28 56 | 7.78 15.56 | 18.6 16.6 | 65 | 1450 | 4.0 | 3.0 | 112 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-250B | 24.2 48.4 | 6.72 13.44 | 13.9 12.4 | 63 | 1450 | 3.0 | 3.0 | 105 | 550 | 520 | 1015 | 160×220 | 155 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD3-2 | 275 |
| 100-315 | 30 60 | 8.33 16.67 | 34 29.1 | 61 | 1450 | 11.0 | 3.0 | 225 | 640 | 700 | 1235 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-315A | 28 56 | 7.78 15.56 | 29.6 26.1 | 61 | 1450 | 7.5 | 3.0 | 180 | 640 | 640 | 1165 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-315B | 24.2 48.4 | 6.72 13.44 | 32.3 29.1 | 60 | 1450 | 5.5 | 3.0 | 165 | 640 | 610 | 1080 | 230×320 | 165 | 170×260 | 4-φ22 | φ220 | φ180 | 8-φ18 | JGD3-2 | 285 |
| 100-125(I) | 60 120 | 16.67 33.33 | 6.5 4 | 78 | 1450 | 2.2 | 3.0 | 95 | 500 | 300 | 807 | 160×220 | 160 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 180 |
| 100-125(I)A | 32.3 64.6 | 14.5 29.1 | 4.3 3.4 | 76 | 1450 | 1.5 | 3.0 | 87 | 500 | 280 | 807 | 160×220 | 160 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 180 |
| 100-160(I) | 60 120 | 16.67 33.33 | 10 7 | 78 | 1450 | 4.0 | 3.0 | 118 | 500 | 330 | 884 | 160×220 | 170 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 190 |
| 100-160(I)A | 32.3 64.6 | 14.5 29.1 | 7.3 5.4 | 76 | 1450 | 3.0 | 3.0 | 113 | 500 | 330 | 884 | 160×220 | 170 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 190 |
| 100-200(I) | 60 120 | 16.67 33.33 | 11 9 | 75 | 1450 | 5.5 | 3.0 | 148 | 540 | 365 | 970 | 160×220 | 165 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 185 |
| 100-200(I)A | 32.3 64.6 | 14.5 29.1 | 9.3 8.2 | 73 | 1450 | 4.0 | 3.0 | 123 | 540 | 345 | 970 | 160×220 | 165 | 120×180 | 4-φ18 | φ220 | φ180 | 8-φ18 | SD61-0.5 | 185 |
| 100-250(I) | 60 120 | 16.67 33.33 | 18.5 15 | 74 | 1450 | 11.0 | 3.0 | 208 | 600 | 435 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |
| 100-250(I)A | 32.3 64.6 | 14.5 29.1 | 17.4 14 | 73 | 1450 | 7.5 | 3.0 | 165 | 600 | 360 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |
| 100-250(I)B | 32.3 64.6 | 14.5 29.1 | 15 11 | 72 | 1450 | 5.5 | 3.0 | 149 | 600 | 360 | 1121 | 190×280 | 175 | 160×220 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-3 | 275 |
| 100-315(I) | 60 120 | 16.67 33.33 | 33.5 30.5 | 71 | 1450 | 15.0 | 3.0 | 234 | 630 | 445 | 1285 | 250×300 | 185 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-1 | 285 |
| 100-315(I)A | 32.3 64.6 | 14.5 29.1 | 30.5 27 | 71 | 1450 | 11.0 | 3.0 | 213 | 630 | 445 | 1285 | 250×300 | 185 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-1 | 285 |
| 100-315(I)B | 32.3 64.6 | 14.5 29.1 | 21 19 | 70 | 1450 | 7.5 | 3.0 | 165 | 630 | 445 | 1285 | 250×300 | 185 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-1 | 285 |
| 100-400(I) | 60 120 | 16.67 33.33 | 46 40 | 65 | 1450 | 30.0 | 3.0 | 375 | 710 | 540 | 1285 | 250×300 | 180 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-2 | 290 |
| 100-400(I)A | 32.3 64.6 | 14.5 29.1 | 44 38 | 65 | 1450 | 22.0 | 3.0 | 295 | 710 | 540 | 1285 | 250×300 | 180 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-2 | 290 |
| 100-400(I)B | 32.3 64.6 | 14.5 29.1 | 39 34 | 64 | 1450 | 18.5 | 3.0 | 257 | 710 | 540 | 1285 | 250×300 | 180 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-2 | 290 |
| 100-400(I)C | 32.3 64.6 | 14.5 29.1 | 34 30 | 62 | 1450 | 15.0 | 3.0 | 239 | 710 | 540 | 1285 | 250×300 | 180 | 210×260 | 4-φ18 | φ220 | φ180 | 8-φ18 | JGD2-2 | 290 |
| 125-125 | 48 96 | 13.3 26.7 | 4.4 3.4 | 76 | 1450 | 2.2 | 3.0 | 148 | 520 | 430 | 840 | 190×280 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 270 |
| 125-125A | 48 96 | 13.3 26.7 | 4.4 3.4 | 75 | 1450 | 1.5 | 3.0 | 125 | 520 | 430 | 840 | 190×280 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 270 |
| 125-160 | 48 96 | 13.3 26.7 | 9 7 | 74 | 1450 | 3.0 | 3.0 | 205 | 520 | 460 | 920 | 190×280 | 175 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 275 |
| 125-160A | 48 96 | 13.3 26.7 | 6.8 5.3 | 73 | 1450 | 2.2 | 3.0 | 165 | 520 | 430 | 890 | 190×280 | 175 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD2-3 | 275 |
| 125-200 | 48 96 | 13.3 26.7 | 13.8 11.5 | 73 | 1450 | 5.5 | 3.0 | 249 | 540 | 510 | 1040 | 250×300 | 175 | 210×260 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 295 |
| 125-200A | 48 96 | 13.3 26.7 | 12 10 | 72 | 1450 | 4.0 | 3.0 | 237 | 540 | 510 | 1040 | 250×300 | 175 | 210×260 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 295 |
| 125-250 | 48 96 | 13.3 26.7 | 22 18.3 | 72 | 1450 | 7.5 | 2.8 | 220 | 680 | 660 | 1180 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-250A | 48 96 | 13.3 26.7 | 17.5 15 | 71 | 1450 | 5.5 | 2.8 | 210 | 680 | 570 | 1080 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-250B | 48 96 | 13.3 26.7 | 16.3 13.8 | 70 | 1450 | 5.5 | 2.8 | 195 | 680 | 510 | 1050 | 200×260 | 170 | 160×220 | 4-φ18 | φ250 | φ210 | 8-φ18 | JGD3-2 | 290 |
| 125-315 | 48 96 | 13.3 26.7 | 33.3 29.8 | 67 | 1450 | 15.0 | 2.5 | 300 | 680 | 685 | 1350 | 300×350 | 180 | 230×280 | 4-φ22 | φ250 | φ210 | 8-φ18 | JGD3-3 | 300 |
| 125-315A | 48 96 | 13.3 26.7 | 29.8 26.5 | 66 | 1450 | 11.0 | 2.5 | 282 | 680 | 685 | 1350 | 300×350 | 180 | 230×280 | 4-φ22 | φ250 | φ210 | 8-φ18 | JGD3-3 | 300 |
| 125-315B | 48 96 | 13.3 26.7 | 26.5 23.8 | 65 | 1450 | 11.0 | 2.5 | 245 | 680 | 685 | 1350 | 300×350 | 180 | 230×280 | 4-φ22 | φ250 | φ210 | 8-φ18 | JGD3-3 | 300 |

THE REFERRING TABLE OF PIPELINE'S WASTAGE

Straight tube's wastage Table (for referring)
The length of straight pipe with 100m is based on iron pipe's length, old pipes' length are doubled.

| Tube's diameter (mm) | Flow (L/S) | | | | | | | | | | | | | | | | | |
|----------------------|------------|------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|------|-----|-----|
| | 1 | 2 | 4 | 6 | 8 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 |
| 25 | 3.27 | 13.0 | | | | | | | | | | | | | | | | |
| 38 | 3.5 | 14 | 15 | | | | 15 | 20 | | | | | | | | | | |
| 50 | 0.8 | 3.1 | 13 | 29 | | | | | | | | | | | | | | |
| 65 | | 0.8 | 3.2 | 7.1 | 13 | 20 | | | | | | | | | | | | |
| 75 | | 0.4 | 1.6 | 3.3 | 5.9 | 9.6 | 21.6 | | | | | | | | | | | |
| 100 | | | 0.4 | 0.8 | 1.3 | 2.1 | 6.8 | 8.6 | 13 | 19.4 | | | | | | | | |
| 125 | | | | 0.23 | 0.4 | 0.63 | 1.3 | 2.7 | 4.1 | 5.9 | 10.7 | | | | | | | |
| 150 | | | | | 0.16 | 0.26 | 0.58 | 1.1 | 1.6 | 2.3 | 4.2 | 6.4 | 9.4 | | | | | |
| 175 | | | | | | 0.11 | 0.27 | 0.5 | 0.74 | 1.05 | 1.9 | 2.9 | 4.3 | 5.8 | 7.7 | 9.6 | | |
| 200 | | | | | | | 0.13 | 0.26 | 0.37 | 0.53 | 0.93 | 1.5 | 2.1 | 2.9 | 3.7 | 4.7 | 6.1 | 7.2 |
| 250 | | | | | | | | 0.07 | 0.12 | 0.18 | 0.30 | 0.48 | 0.68 | 0.93 | 1.2 | 1.5 | 1.9 | 2.3 |
| 300 | | | | | | | | | 0.07 | 0.12 | 0.19 | 0.27 | 0.37 | 0.49 | 0.6 | 0.76 | 0.9 | 1.1 |

The length of Valve and bending pipe are equivalent to the straight pipes' (each piece)

| Categories | Straight pipe's diameter multiplier converts into | Note |
|---------------------------|---|--------------------------|
| open gate valve | 1.2 | closed ones are doubled |
| standardized bending pipe | 2.5 | |
| cut-off valve | 100 | |
| foot valve | 100 | blocked ones are doubled |

Note: If the pipeline's diameter is 100mm, the foot valve's diameter length is converted to 100 × 100=10000mm=10m
An assumed flow is 8L/S, see the table above, the straight pipelines loss 1.3m for each 100m, it losses 0.13m for each 10m, namely the foot valve's height will decrease 0.13m if its length is 100m and flow is 8L/S.

Max flow limit for pipeline's diameter

| Pipeline's diameter (mm) | Max flow velocity (l/s) | Pipeline's diameter (mm) | Max flow velocity (m/s) |
|--------------------------|-------------------------|--------------------------|-------------------------|
| 25 | 1 | 125 | 30.0 |
| 38 | 2.5 | 150 | 43.0 |
| 50 | 4.17 | 175 | 60.0 |
| 65 | 6.67 | 200 | 83.3 |
| 75 | 10.0 | 250 | 133.3 |
| 100 | 18.4 | 300 | 192.0 |

Pipeline's wastage is increased significantly if it exceeds the limit above.