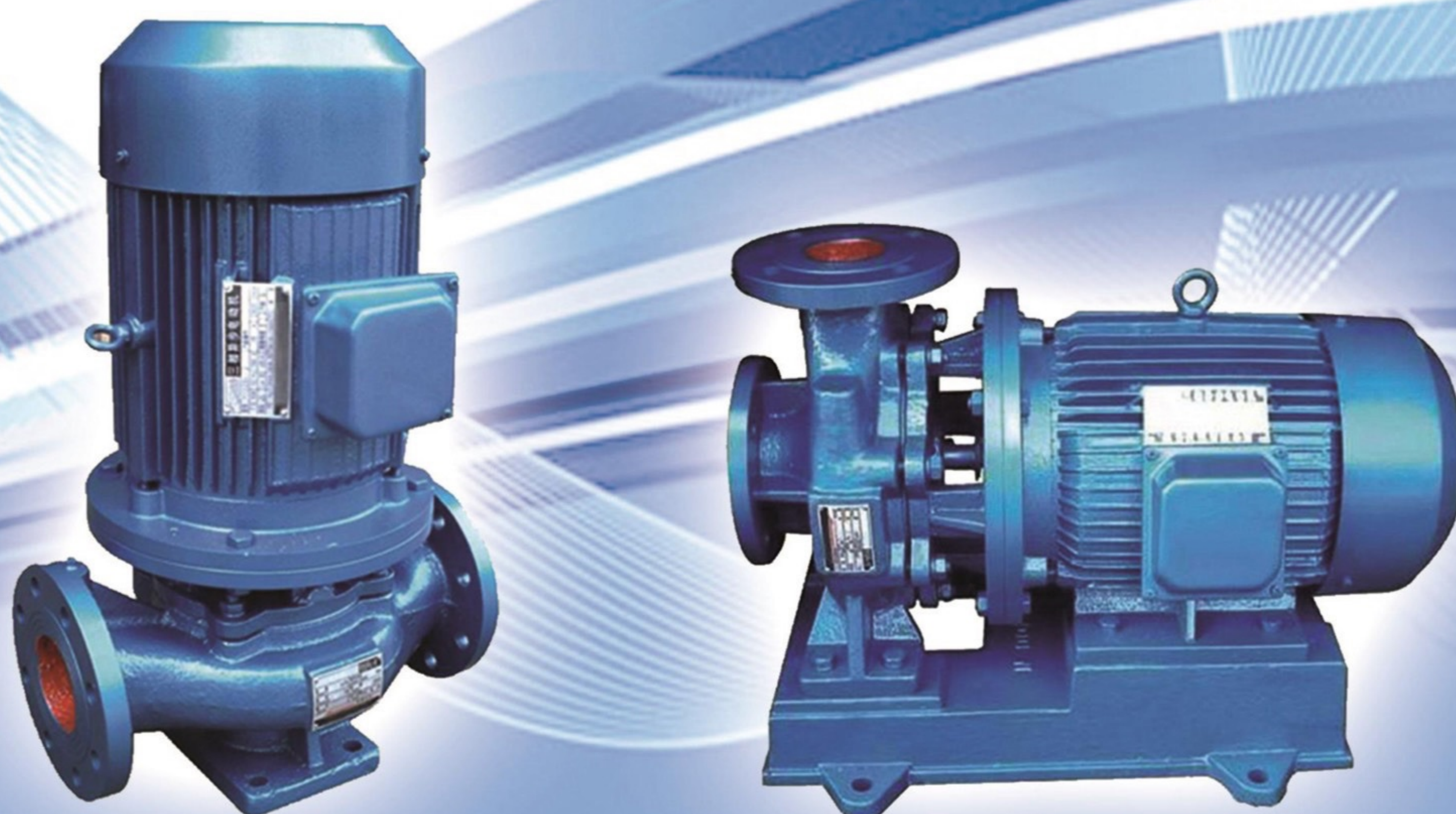


ISG Vertical Pipeline Centrifugal Pump

ISW、ISWZ Horizontal Centrifugal Pumps

User Manual



Hebei Ivy Pump Industry Co., Ltd.

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Product Overview

The ISG and ISWZ series of single-stage, single-suction in-line centrifugal pumps and direct-coupled centrifugal pumps are designed based on the performance parameters of IS-type pumps, with further improvements and enhancements. These pumps successfully address some of the shortcomings of IS-type pumps in actual use. This series offers advantages such as high efficiency, energy savings, low noise, stable performance, and easy maintenance, making it an ideal replacement for IS-type pumps. Additionally, depending on temperature and application requirements, models are available for hot-water, high-temperature, corrosion-resistant, and oil pumps. The products are designed and manufactured in accordance with the international ISO 2858 standard and meet the requirements of the Ministry of Machinery's JB/T 53058-93R standard. In 1993, they passed the Ministry of Machinery's management system inspection.

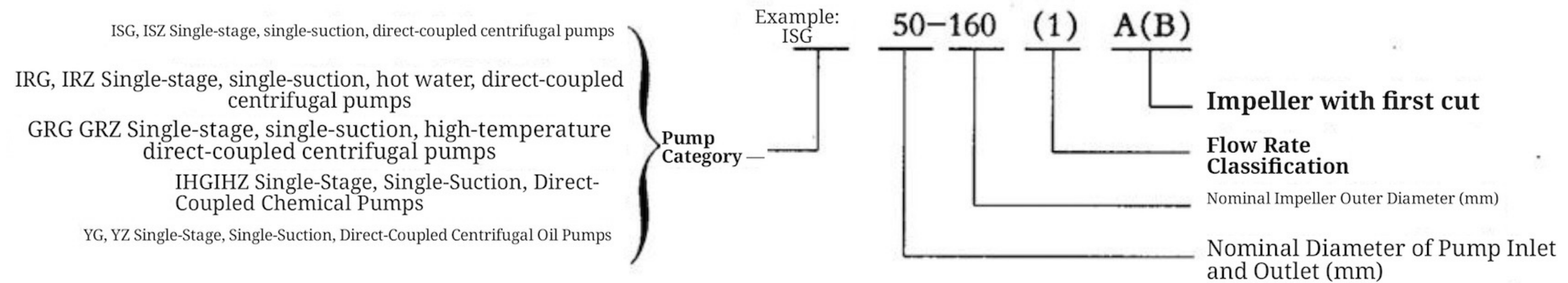
Applications

1. ISG and ISWZ series vertical in-line and horizontal direct-coupled centrifugal pumps are designed for conveying clean water and other liquids with physical and chemical properties similar to clean water. They are suitable for industrial and municipal water supply and drainage, pressure boosting for high-rise buildings, landscape sprinkler systems, fire-protection pressure boosting, long-distance conveyance, HVAC and refrigeration circulation, as well as hot and cold water circulation and pressure boosting in bathrooms and other applications, with an operating temperature of $T < 80^{\circ}\text{C}$.
2. IRG (GRG) and IRZ series vertical pipeline and horizontal direct-coupled hot-water (high-temperature) circulation pumps are widely used in the energy, metallurgy, chemical, textile, and paper industries, as well as in hotels and restaurants, for the pressurized circulation and delivery of high-temperature hot water from boilers and for circulation in municipal heating systems. The IRG series has an operating temperature of $T < 120^{\circ}\text{C}$, while the GRG series has an operating temperature of $T < 240^{\circ}\text{C}$.
3. IHG and IHZ series vertical in-line and horizontal direct-coupled chemical pumps are designed to transport corrosive liquids free of solid particles and with a viscosity similar to water. They are suitable for use in the petroleum, chemical, metallurgical, power, papermaking, food and pharmaceutical, and synthetic fiber industries, with an operating temperature range of -20°C to 120°C .
4. YG and YZ series vertical in-line and horizontal direct-coupled oil pumps are designed for pumping petroleum products such as gasoline, kerosene, and diesel. The temperature range of the pumped medium is -20°C to $+120^{\circ}\text{C}$.

Operating Conditions

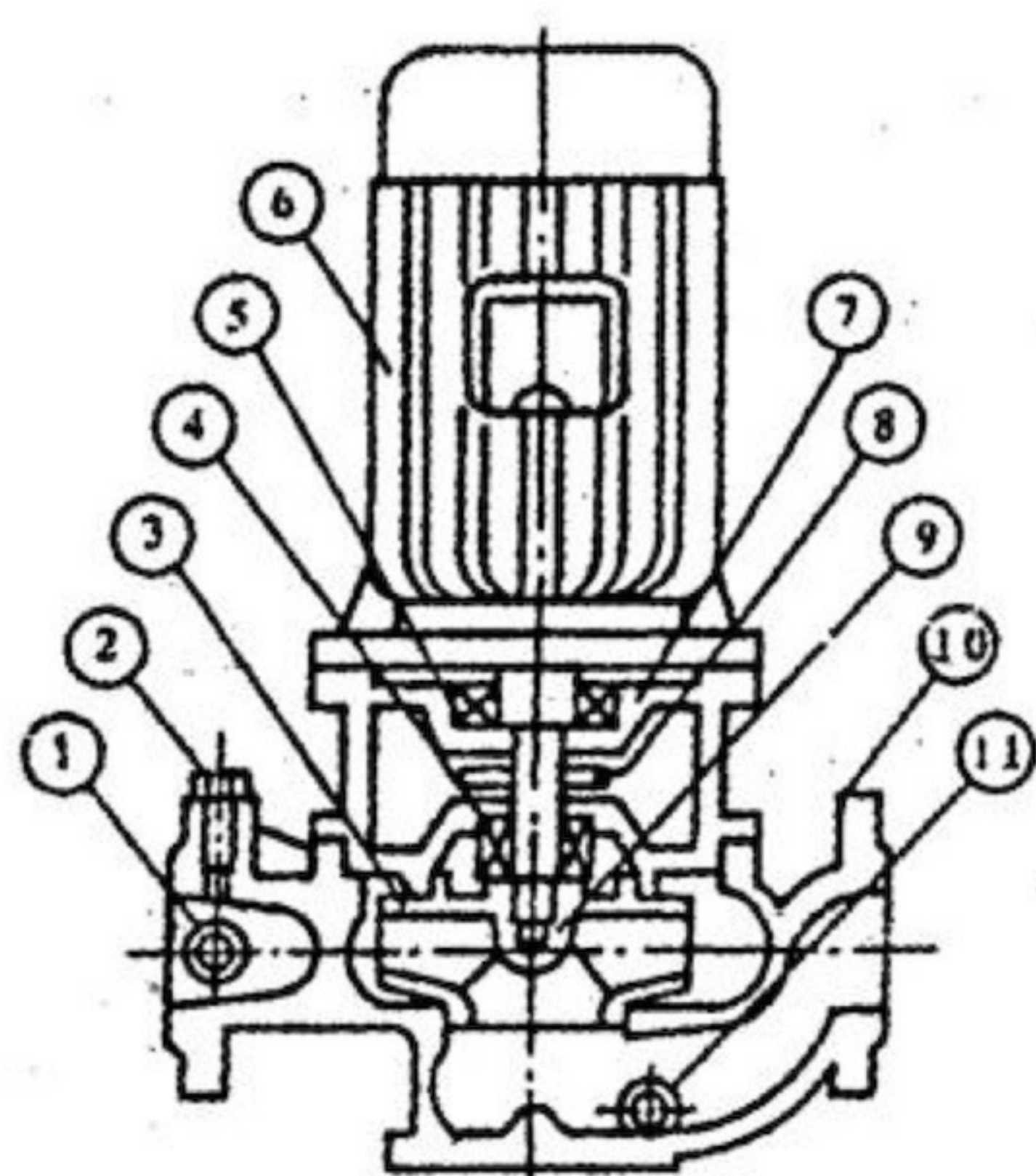
1. The maximum operating pressure of the pump system is 1.6 MPa, i.e., the pressure at the pump suction inlet plus the pump head must be ≤ 1.6 MPa. (If the operating pressure of the pump system exceeds 1.6 MPa, this must be specified at the time of ordering so that cast steel materials can be used for the pump's flow-passing and connecting parts during manufacturing.)
2. The pumped medium is clean water or other substances with physical and chemical properties similar to clean water (if the pumped medium contains fine particles, this must be specified at the time of ordering so that wear-resistant mechanical seals can be installed).
3. Ambient temperature shall not exceed 40°C , and relative humidity shall not exceed 95%.

Model Number Meaning



Structural Diagram and Description

Hot Water Model Structure



1. Drain Plug
2. Air vent valve
3. Impeller
4. Mechanical seal
5. Bearings
6. Motor
7. Integrated housing
8. Water-stop ring
9. Impeller nut
10. Pump housing
11. Drain valve

Y-Series Motor: Directly coupled to the pump for power transmission.

Bearings: Arranged coaxially with the motor. The extended motor shaft ensures shaft concentricity for smooth pump operation free of noise and vibration. Chrome-plated treatment is adopted to extend service life.

Water-retaining Ring: Prevents water ingress into the motor caused by seal leakage.

Integrated Bracket: With ingenious design, it delivers an attractive appearance while lowering the pump's center of gravity and reducing shaft overhang, improving operational stability and service life of the pump.

Mechanical Seal: Fabricated from materials including stainless steel, tungsten carbide and fluororubber. This balanced-type mechanical seal resists high temperature and high pressure. It features long service life, zero leakage, no shaft wear and no limescale accumulation, keeping the working environment clean.

Pressure Tap Plug: For mounting pressure gauge and vacuum gauge to monitor normal and efficient pump operation.

Pump Casing: The discharge and suction chambers are designed with optimized hydraulic models for good appearance and high efficiency.

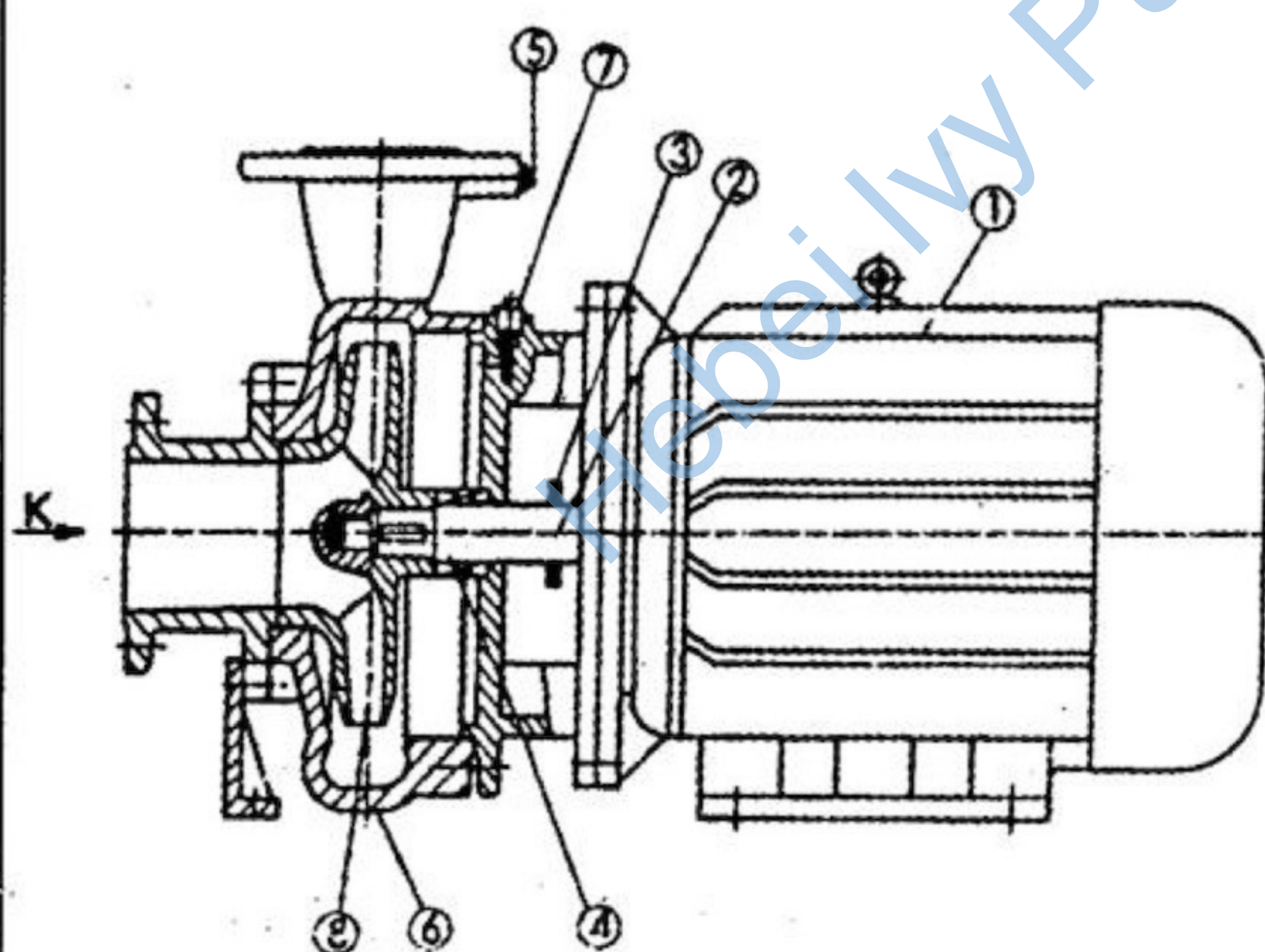
Mounting feet are provided for easy installation and stable running.

Drain Valve: Facilitates routine pump maintenance.

Air Vent Valve: Removes air from the pump during priming to ensure normal pump startup.

Impeller: Designed with high-performance hydraulic model, offering high efficiency and high reliability.

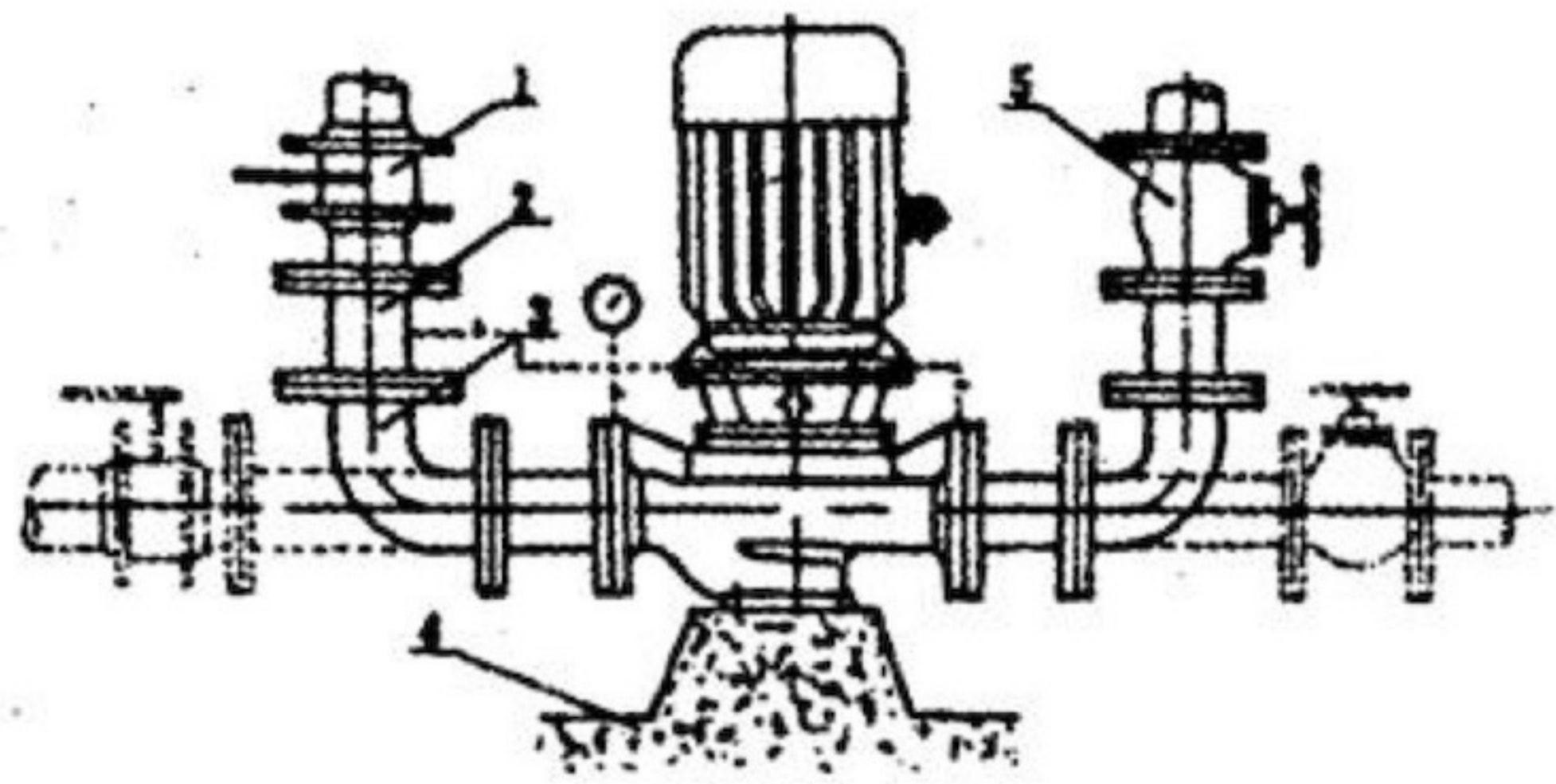
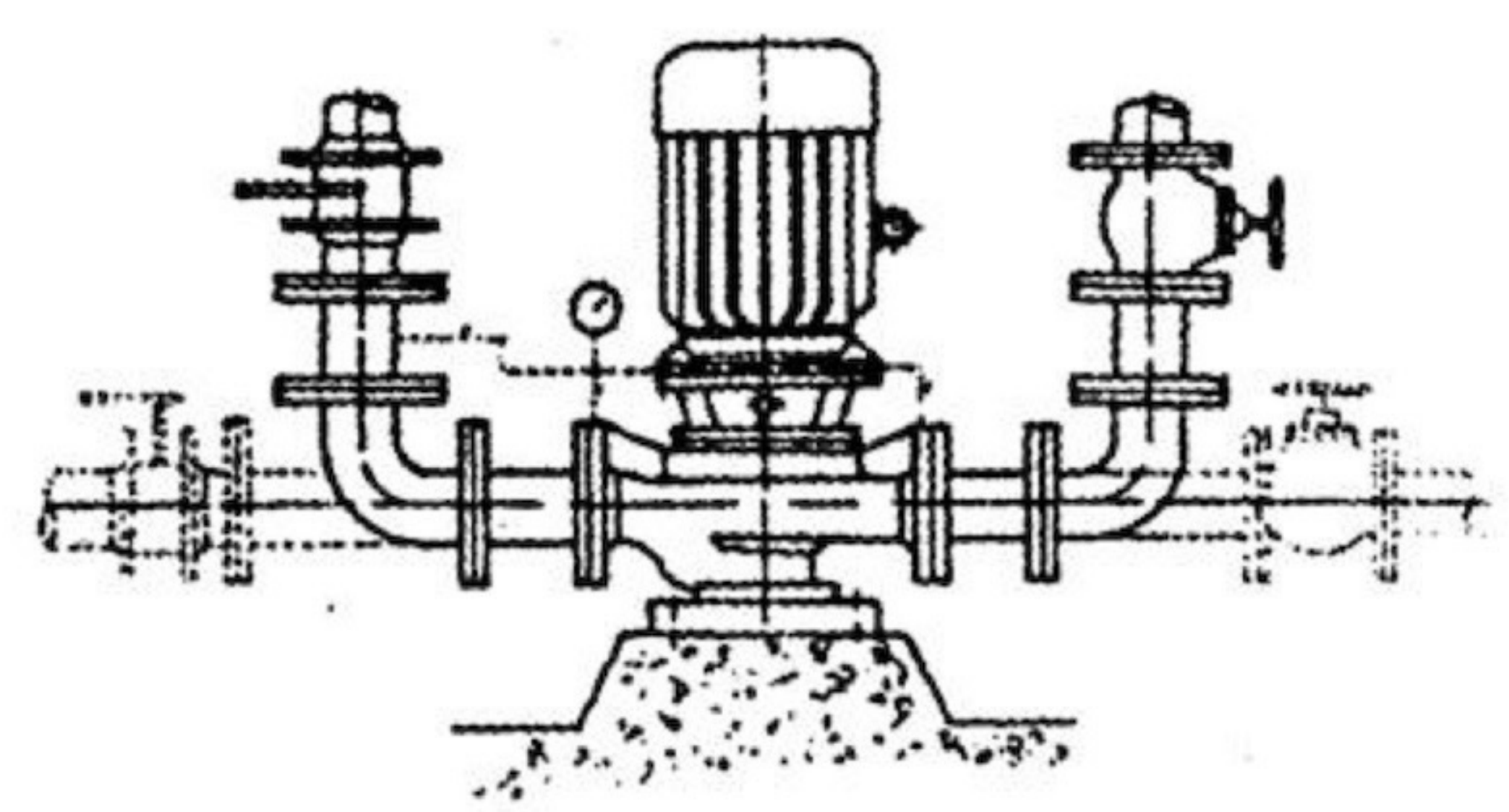
Bearing: Guarantees rotational precision of the shaft and enhances reliability of the mechanical seal.



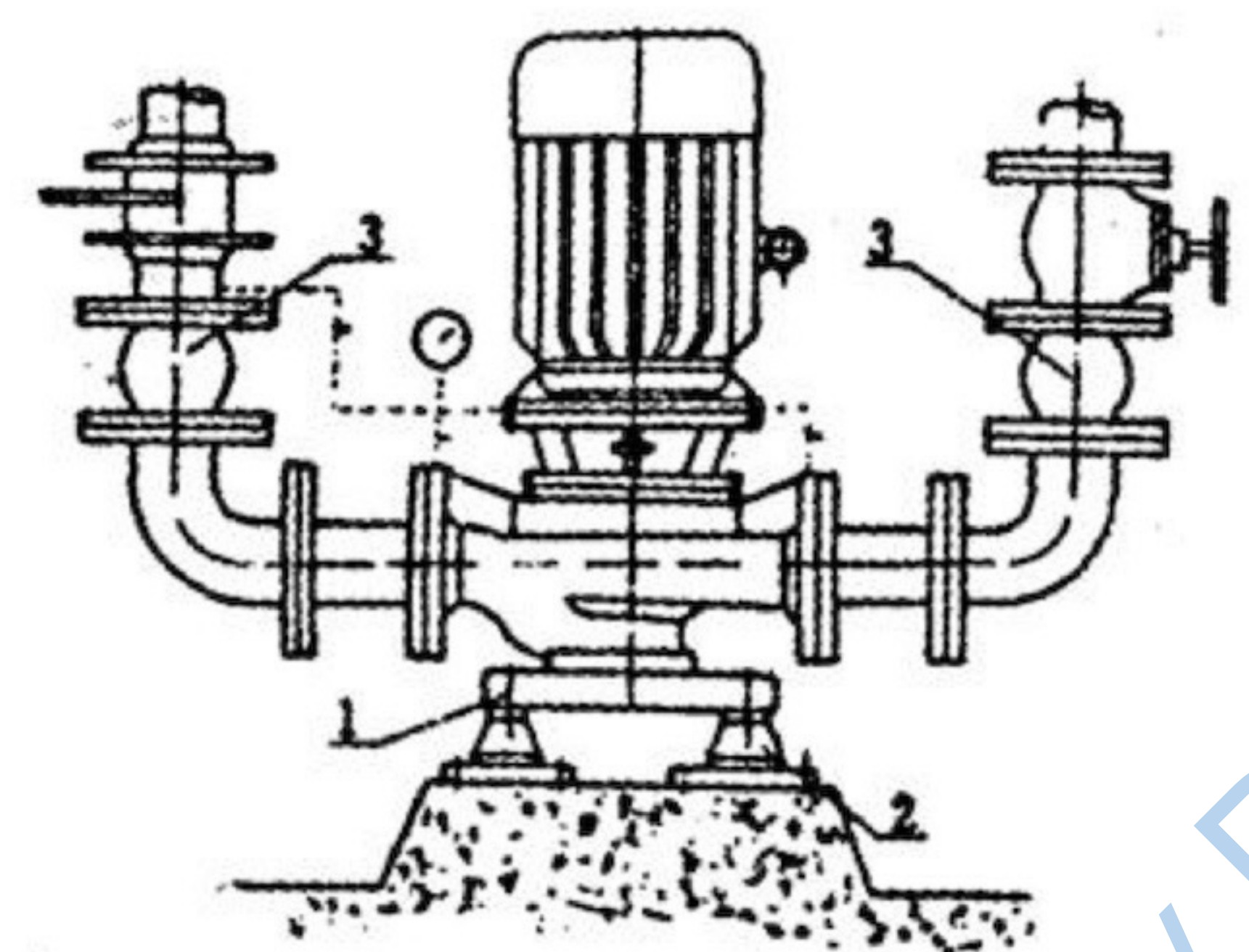
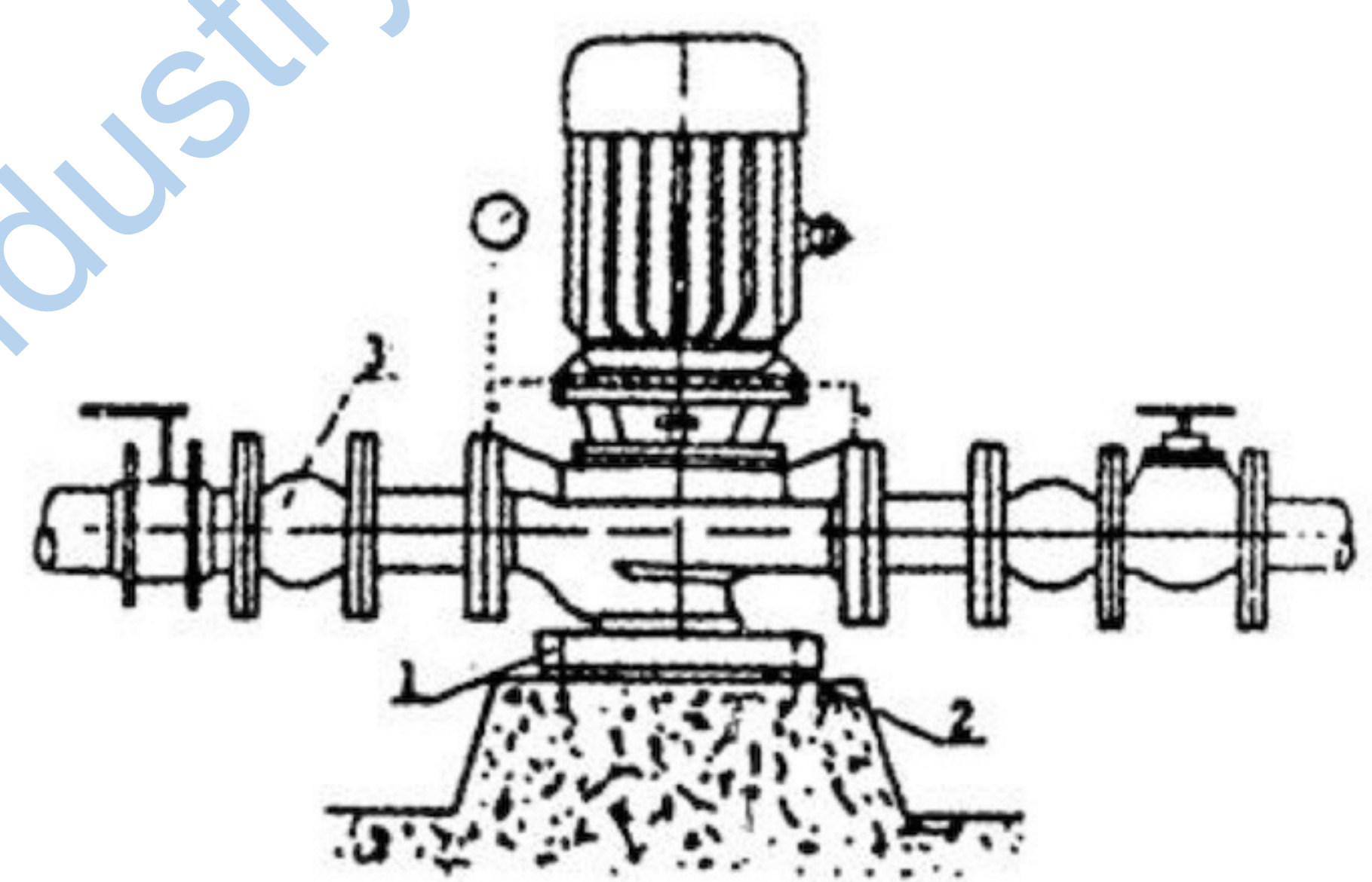
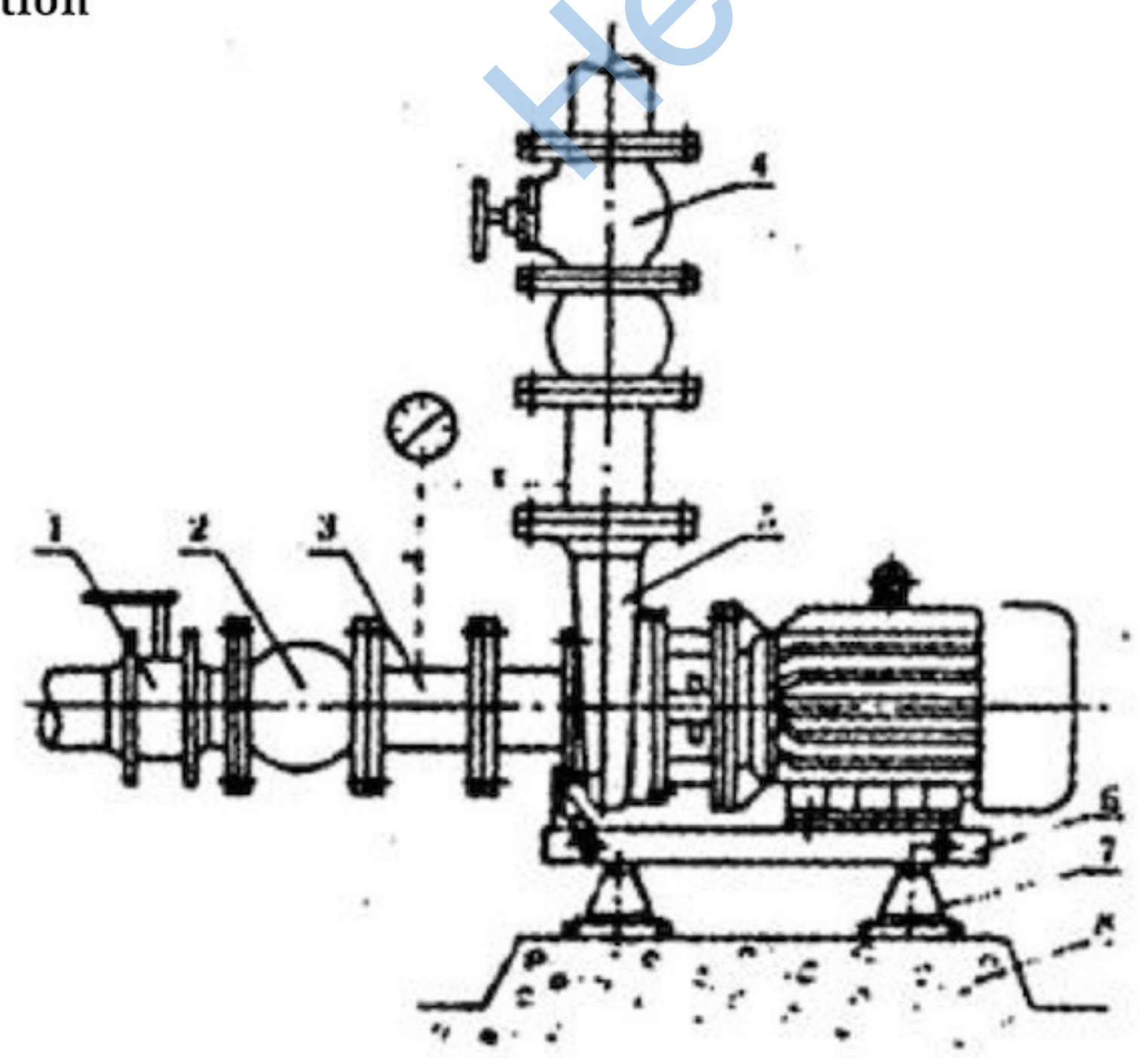
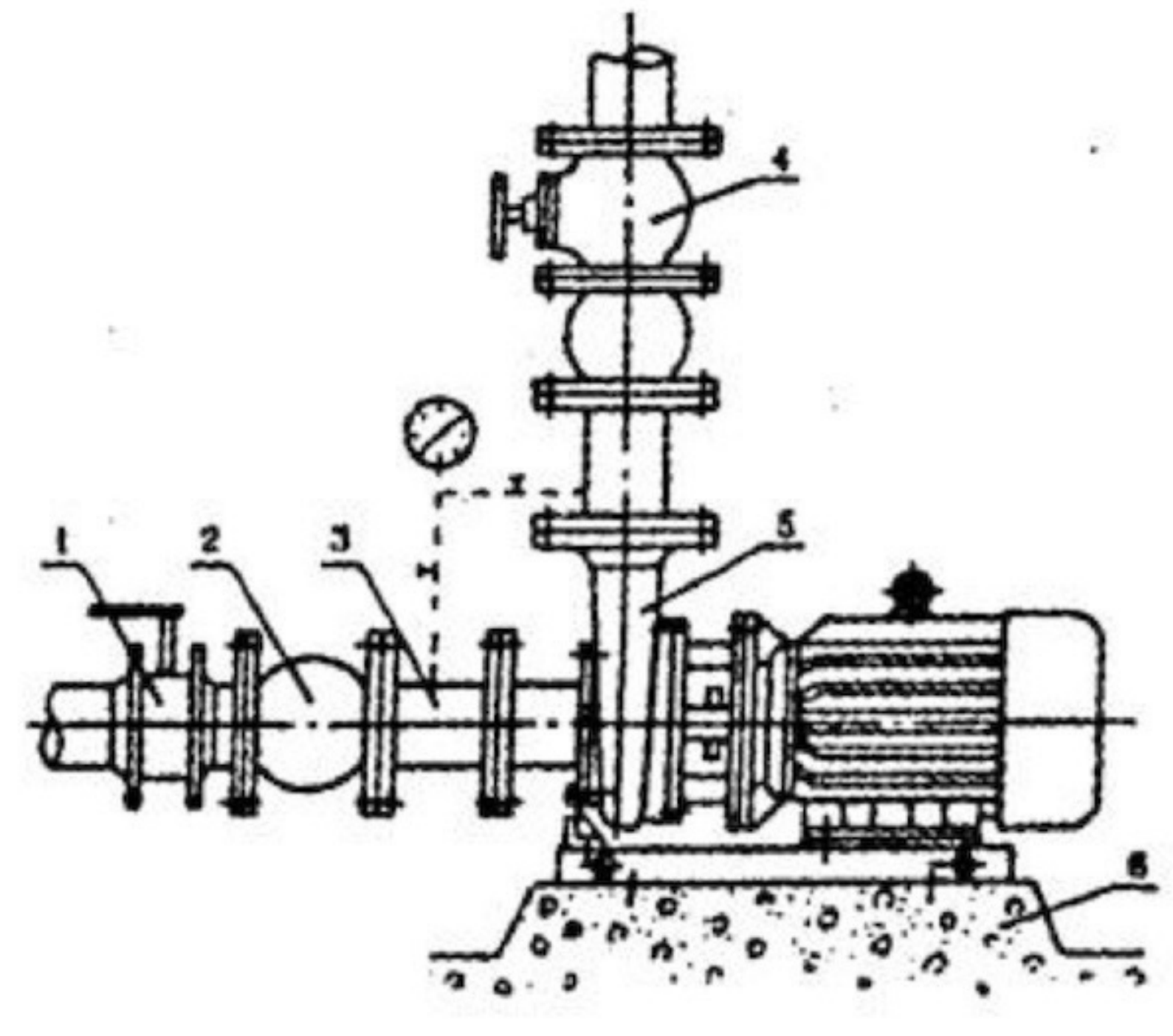
1 Motor 2 Pump Shaft 3 Water Seal Ring 4 Mechanical Seal 5 Pressure Tap 6 Pump Housing 7 Air Vent Plug 8 Impeller

Installation Method

Rigid Connection:

1. Direct installation  1 Inlet valve 2 Straight pipe 3 Elbow 4. Concrete-poured foundation 5. Outlet valve	2. Installation with KL-type coupling plate 
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Flexible Connection:

2. Install with KL coupling plates and vibration isolators 	1. Installation with KL-type coupling plate and vibration isolators 
Direct installation 	Installation with vibration isolators 

ISG, IRG, GRG, IHG, YG
ISWZ, IRZ, GRZ, IHZ, YZ

Series Key Performance Parameters

Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (m)	Weight (kg)	Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (m)	Weight (kg)
	(m³/h)	(l/s)								(m³/h)	(l/s)						
15-80	1.1 1.5 2.0	0.3 0.42 0.55	8.5 8 7	26 34 34	2800	0.18	2.3	17	40-160(I)B	7.3 10.4 13.5	2.38 2.89 3.75	23 22 20.5	50	2900	1.5	2.3	43
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	25	40-200(I)	8.8 12.5 16.3	2.44 3.47 4.53	51.2 50 46	38 46 46	2800	5.5	2.3	85
20-160	1.8 2.5 3.3	0.5 0.69 0.91	33 32 30	19 25 23	2900	0.75	2.3	29	40-200(I)A	8.3 11.7 15.3	2.31 3.25 4.25	45.0 44 42	37 45 45	2900	4	2.3	75
25-110	2.8 4.2 5.2	0.78 1.11 1.44	16 15 13.5	34 42 41	2900	0.55	2.3	26	40-200(I)B	7.5 10.6 13.8	2.08 2.94 3.83	37 36 34	44	2900	3	2.3	63
25-125	2.8 4.2 5.2	0.78 1.11 1.44	20.6 20 18	28 36 35	2900	0.75	2.3	28	40-250(I)	8.8 12.5 16.3	2.44 3.47 4.53	81.2 80 77.5	31 38 40	2900	11	2.3	145
25-125A	2.5 4.6 5.2	0.69 1.0 1.28	17 15 14.4	35	2900	0.75	2.3	2.7	40-250(I)A	8.2 11.6 15.2	2.28 3.22 4.22	71.0 70 68	38	2900	7.5	2.3	95
25-160	2.8 4.2 5.2	0.78 1.11 1.44	33 32 30	24 32 33	2900	1.5	2.3	39	40-250(I)B	7.6 10.8 14	2.11 3.0 3.89	61.4 60 58	37	2900	7.5	2.3	94
25-160A	2.6 3.7 4.9	0.12 1.08 1.36	29 28 26	31	2900	1.1	2.3	34	40-250(I)C	7.1 10.0 13.1	1.97 2.78 3.64	53.2 52 50.4	36	2900	5.5	2.3	88
32-100(I)	4.4 6.3 8.3	1.22 1.75 2.32	13.2 12.5 11.3	48 54 53	2900	0.75	2.0	32	50-100	8.8 12.5 16.3	2.44 3.47 4.53	13.6 12.5 11.3	55 62 60	2900	1.1	2.3	3.6
32-125	3.5 5.5 6.5	0.97 1.39 1.8	22 20 18	40 44 42	2900	0.75	2.3	28	50-100A	8 11 14.5	2.22 3.05 4.03	11 10 9	60	2900	0.75	2.3	35
32-125A	3.1 4.5 5.8	0.86 1.25 1.61	17.6 16 14.4	43	2900	0.55	2.3	28	50-125	8.8 12.5 16.3	2.44 3.47 4.53	21.5 20 17.8	40 58 57	2900	1.5	2.3	43
32-160(I)	4.4 6.3 8.3	1.22 1.75 2.32	33.2 32 30.2	34 40 42	2900	2.2	2.0	47	50-125A	8 11 14.5	2.22 3.05 4.03	17 16 14	57	2900	1.1	2.3	38
32-200(I)	4.4 6.3 8.3	1.22 1.75 2.32	50.5 50 48	26 33 35	2900	4	2.0	43	50-160	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	45 52 51	2900	3	2.3	59
32-200A	2.8 4.2 5.2	0.78 1.11 1.44	44.6 44 42.7	34 40 42	2900	2.2	2.0	74	50-160A	8.2 11.7 15.2	2.28 3.25 4.22	29 28 26	44 51 50	2900	2.2	2.3	51
40-100	4.4 6.3 8.3	1.22 1.75 2.32	13.2 12.5 11.3	48 54 53	2900	0.55	2.3	32	50-160B	7.3 10.4 13.5	2.38 2.89 3.75	23 22 20.5	50	2900	1.5	2.3	47
40-100A	3.9 5.6 7.4	1.08 1.56 2.06	10.6 10 9	52	2900	0.37	2.3	32	50-200	8.8 12.5 16.3	2.44 3.47 4.53	52 50 48	38 46 46	2900	5.5	2.3	101
40-125	4.4 6.3 8.3	1.22 1.75 2.32	21 20 18	41 46 43	2900	1.1	2.3	34	50-200A	8.3 11.7 15.3	2.31 3.25 4.25	45.8 44 42	37 45 45	2900	4	2.3	80
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	33	50-200B	7.5 10.6 13.8	2.08 2.94 3.83	37 36 34	44	2900	3	2.3	68
40-160	4.4 6.3 8.3	1.22 1.75 2.32	33 32 30	35 40 40	2900	2.2	2.3	47	50-250	8.8 12.5 16.3	2.44 3.47 4.53	82 80 77.5	39 38 38	2900	11	2.3	160
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	43	50-250A	8.2 11.6 15.2	2.28 3.22 4.22	71.5 70 68	38	2900	7.5	2.3	115
40-160B	3.8 5.5 7.2	1.06 1.53 2.0	25.5 24 22.5	34 38 37	2900	1.1	2.3	38	50-250B	7.6 10.8 14	2.11 3.0 3.89	61.4 60 58	37	2900	7.5	2.3	114
40-200	4.4 6.3 8.3	1.22 1.75 2.32	51 50 48	26 33 32	2900	4	2.3	74	50-250C	7.1 10.0 13.1	1.97 2.78 3.64	53.2 52 50.4	36	2900	5.5	2.3	108
40-200A	4.1 5.9 7.8	1.14 1.64 2.17	45 44 42	26 31 30	2900	3	2.3	62	50-100(I)	1.75 2.5 3.25	4.86 6.94 9.03	13.7 12.5 10.5	67 69 69	2900	1.5	2.5	41
40-200B	3.7 5.3 7.0	1.03 1.47 1.94	38 36 34.5	29	2900	2.2	2.3	52	50-100(I)A	15.6 22.3 29	4.3 6.19 8.1	11 10 8.4	65 67 68	2900	1.1	2.5	36
40-250	4.4 6.3 8.3	1.22 1.75 2.32	82 80 74	24 28 28	2900	7.5	2.3	105	50-125(I)	1.75 2.5 3.25	4.86 6.94 9.03	21.5 20 18	60 68 67	2900	3	2.5	56
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	98	50-125(I)A	15.6 22.3 29	4.33 6.19 8.1	17 16 13.6	58 66 65	2900	2.2	2.5	48
40-250B	3.8 5.5 7.0	1.06 1.53 1.94	61.5 60 56	23 27 26	2900	4	2.3	77	50-160(I)	1.75 2.5 3.25	4.86 6.94 9.03	34.4 32 27.5	54 63 60	2900	4	2.5	72
40-100(I)	8.8 12.5 16.3	2.44 3.47 4.53	13.2 12.5 11.3	55 62 60	2900	1.1	2.3	34	50-160(I)A	16.4 23.4 30.4	4.56 6.5 8.44	30 28 24	54 62 69	2900	4	2.5	71
40-100(I)A	8 11 14.5	2.22 3.05 4.03	10.6 10 9	60	2900	0.75	2.3	32	50-160(I)B	15.0 21.6 28	4.17 6.0 7.78	26 24 20.6	58	2900	3	2.5	59
40-125(I)	8.8 12.5 16.3	2.44 3.47 4.53	21.2 20 17.8	49 58 57	2900	1.5	2.3	38	50-200(I)	1.75 2.5 3.25	4.86 6.94 9.03	52.7 50 45.5	49 58 59	2900	7.5	2.5	108
40-125(I)A	8 11 14.5	2.22 3.05 4.03	17 16 14	57	2900	1.1	2.3	33	50-200(I)A	16.4 23.4 30.5	4.56 6.53 8.47	46.4 44 40	48 57 58	2900	7.5	2.5	107
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	56	50-200(I)B	15.2 21.8 28.3	4.22 6.06 7.86	40 38 34.5	55	2900	5.5	2.5	100
40-160(I)A	8.2 11.7 15.2	2.28 3.22 4.22	29 28 26	44 51 50	2900	2.2	2.3	47	50-250(I)	1.75 2.5 3.25	4.86 6.94 9.03	82 80 76.5	39 50 52	2900	15	2.5	175

ISG, IRG, GRG, IHG, YG
ISWZ, IRZ, GRZ, IHZ, YZ

Series Key Performance Parameters

Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (NRSHr)	Weight (kg)
	(m³/h)	(l/s)						
50-250(I)A	16.4 23.4 30.5	4.56 6.5 8.47	71.5 70 67	39 50 52	2900	11	2.5	165
50-250(I)B	15 21.6 28	4.17 6.0 7.78	61 60 57.4	38 49 54	2900	11	2.5	165
50-315(I)	17.5 25 32.5	4.86 6.94 9.03	128 125 122	30 40 44	2900	30	2.5	310
50-315(I)A	16.6 23.7 31	4.61 6.58 8.6	115 113 110	30 40 44	2900	22	2.5	245
50-315(I)B	15.7 22.5 29.2	4.36 6.25 8.0	103 101 98	39	2900	18.5	2.5	215
50-315(I)C	14.4 20.6 26.8	4.0 5.72 7.44	86 85 83	38	2900	15	2.5	195
65-100	17.5 25 32.5	4.86 6.94 9.03	13.7 12.5 10.5	67 69 69	2900	1.5	2.5	46
65-100A	15.6 22.3 29	4.33 6.19 8.1	11 10 8.4	65 67 68	2900	1.1	2.5	41
65-125	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	60 68 67	2900	3	2.5	58
65-125A	15.6 22.3 29	4.33 6.19 8.1	17 16 14.4	58 66 65	2900	2.2	2.5	49
65-160	17.5 25 32.5	4.86 6.94 9.03	34.4 32 27.5	54 63 60	2900	5.5	2.5	75
65-160A	16.4 23.4 30.4	4.56 6.5 8.44	30 28 24	54 62 59	2900	4	2.5	75
65-160B	15.0 21.6 28	4.17 6.0 7.78	26 24 20.6	58	2900	3	2.5	63
65-200	17.5 25 32.5	4.86 6.94 9.03	52.7 50 45.5	49 58 59	2900	7.5	2.5	107
65-200A	16.4 23.5 30.5	4.56 6.53 8.47	46.4 44 40	48 57 58	2900	7.5	2.5	107
65-200B	15.2 21.8 28.3	4.22 6.06 7.86	40 38 34.5	55	2900	5.5	2.5	100
65-250	17.5 25 32.5	4.86 6.94 9.03	82 80 76.5	39 50 52	2900	15	2.5	180
65-250A	16.4 23.4 30.5	4.56 6.5 8.47	71.5 70 67	39 50 52	2900	11	2.5	170
65-250B	15 21.6 28	4.17 6.0 7.78	61 60 57.4	38 49 54	2900	11	2.5	170
65-315	17.5 25 32.5	4.86 6.94 9.03	127 125 122	32 40 44	2900	30	2.5	320
65-315A	16.6 23.7 31	4.61 6.58 8.6	113 113 110	32 40 44	2900	22	2.5	255
65-315B	15.7 22.5 29.2	4.36 6.25 8.0	103 101 98	39	2900	18.5	2.5	225
65-315C	14.4 20.6 26.8	4.0 5.72 7.44	86 85 83	38	2900	15	2.5	205
65-100(I)	35 50 65	9.72 13.9 18.1	13.8 12.5 10	67 73 70	2900	3	3.0	63
65-100(I)A	31.3 44.7 58	8.7 12.4 16.1	11 10 8	66 72 69	2900	2.2	3.0	53
65-125(I)	35 50 65	9.72 13.9 18.1	22 20 17	67 72.5 70	2900	5.5	3.0	99
65-125(I)A	31.3 44.7 58	8.7 12.4 16.1	17.5 16 13.6	66 71 69	2900	4	3.0	78
65-160(I)	35 50 65	9.72 13.9 18.1	35 32 28	63 71 70	2900	7.5	3.0	103
65-160(I)A	32.7 46.7 61	9.1 13.0 16.9	36.6 28 24	62 70 69	2900	7.5	3.6	103
65-160(I)B	30.3 43.3 56.3	8.4 12.0 15.6	26 24 21	69	2900	5.5	3.0	97
65-200(I)	35 50 65	9.72 13.9 18.1	53.5 50 46	55 67 68	2900	15	3.0	176
65-200(I)A	32.8 47 61	9.1 13.1 16.9	47 44 40	54 66 67	2900	11	3.0	166
65-200(I)B	30.5 43.5 56.6	8.5 12.1 15.7	40.6 38 33.4	65	2900	7.5	3.0	115
80-100	35 50 65	9.72 13.9 18.1	13.8 12.5 10	67 73 70	2900	3	3.0	63
80-100A	31.3 44.7 58	8.7 12.5 16.1	11 10 8	66 72 69	2900	2.2	3.0	54
80-125	35 50 65	9.72 13.8 18.1	22 20 17	67 72.5 70	2900	5.5	3.0	99
80-125A	31.3 45 58	8.7 12.5 16.1	17.5 16 13.6	66 71 69	2900	4	3.0	79
80-160	35 50 65	9.72 13.9 18.1	35 32 28	63 71 70	2900	7.5	3.0	105
80-160A	32.7 46.7 61	9.1 13.0 16.9	30.6 28 24	62 70 69	2900	7.5	3.0	105
80-160B	30.3 43.3 56.3	8.4 12.0 15.6	26 24 21	69	2900	5.5	3.0	98
80-200	35 50 65	9.72 13.9 18.1	53.5 50 46	55 67 68	2900	15	3.0	175
80-200A	32.8 47 61	9.1 13.1 16.9	47 44 40	54 66 67	2900	11	3.0	165
80-200B	30.5 43.5 56.6	8.5 12.1 15.7	40.6 38 33.4	65	2900	7.5	3.0	115
80-250	35 50 65	9.72 13.9 18.1	83 80 72	52 59 60	2900	22	3.0	240
80-250A	32.5 46.7 60.5	9.0 12.9 16.8	73 70 63	52 59 60	2900	18.5	3.0	210
80-250B	30 43.3 56	8.3 12.0 15.6	62 60 54	58	2900	15	3.0	185
80-315	35 50 65	9.72 13.9 18.1	128 125 122	43 54 57	2900	37	3.0	355
80-315A	32.5 46.7 60.5	9.0 12.9 16.8	112.6 110 106.4	43 54 57	2900	30	3.0	340
80-315B	31 44.5 58	8.6 12.4 16.1	102.5 100 98	53	2900	30	3.0	340
80-315C	29 41 53.6	8.1 11.4 14.9	98 85 83	51	2900	22	3.0	275
80-350	35 50 65	9.72 13.9 18.1	146 150 142	55 66 67	2900	55	3.0	570
80-350A	31 44.5 58	8.6 12.4 16.1	138.4 142 134.8	55	2900	45	3.0	470
80-350B	29 41 53.6	8.1 11.4 14.9	131.4 135 127.8	63	2900	37	3.0	440
80-100(I)	70 100 130	19.4 27.8 36.1	13.6 12.5 11	66 76 75	2900	5.5	4.5	108
80-100(I)A	62.6 89 116	17.4 24.7 32.2	11 10 8.8	64 74 74	2900	4	4.5	87
80-125(I)	70 100 130	19.4 27.8 36.1	23.5 20 14	70 76 65	2900	11	4.5	163
80-125(I)A	62.6 89 116	17.4 24.7 32.2	19 16 11	68 74 65	2900	7.5	4.5	113
80-160(I)	70 100 130	19.4 27.8 36.1	36.5 32 24	70 76 65	2900	15	4.5	184
80-160(I)A	65.4 93.5 121.6	18.2 26.0 33.8	32 28 21	68 74 67	2900	11	4.5	174

ISG, IRG, GRG, IHG, YG
ISWZ, IRZ, GRZ, IHZ, YZ

Series Key Performance Parameters

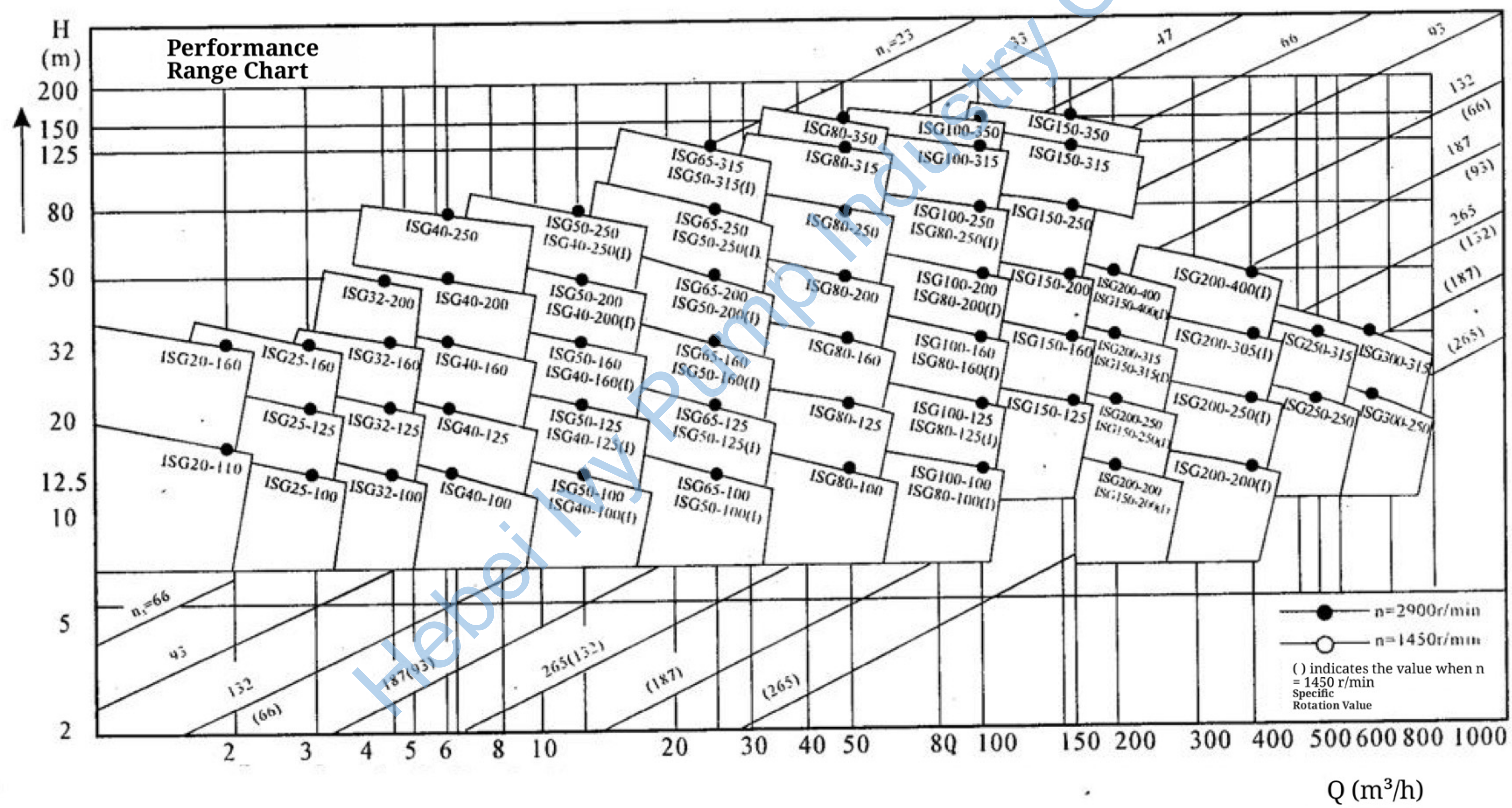
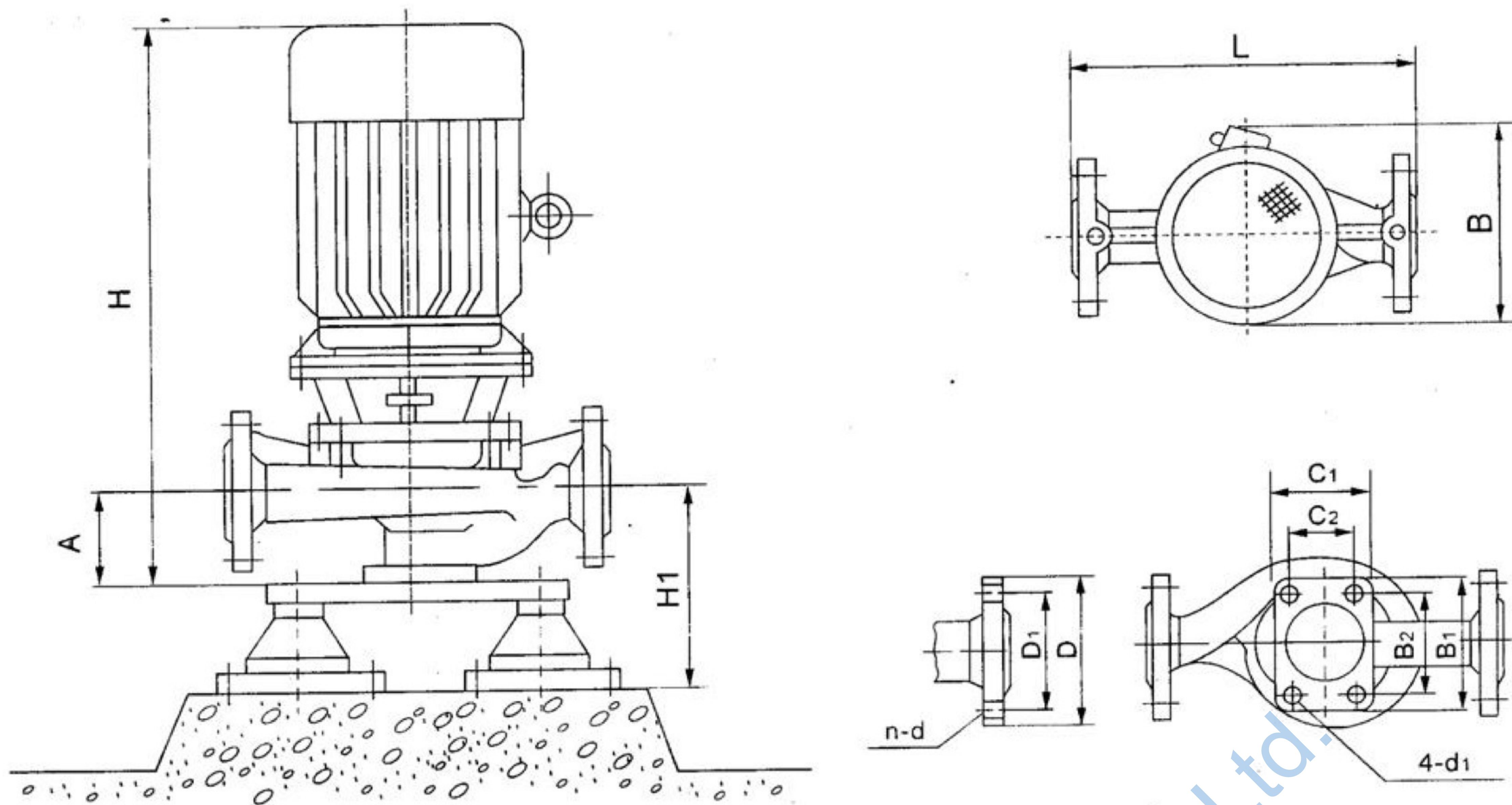
Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (NRSH)r	Weight (kg)	Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (NRSH)r	Weight (kg)
	(m³/h)	(l/s)								(m³/h)	(l/s)						
80-160(I)B	60.6 86.6 112.6	16.8 24.1 31.3	72 24 18	72	2900	11	4.5	174	100-200(I)	96 160 192	26.7 44.4 53.3	53 50 45	69 79 78	2900	37	5.2	402
80-200(I)	70 100 130	19.4 27.8 36.1	54 50 42	65 74 73	2900	22	4.0	251	100-200(I)A	84 140 168	23.3 39 46.7	48 45 40	64 74 73	2900	30	4.5	395
80-200(I)A	65.4 93.5 121.6	18.2 26.0 33.8	47.5 44 37	64 73 72	2900	18.5	4.0	220	100-200(I)B	60 100 120	16.7 27.8 33.3	43 40 36	72	2900	22	4.5	360
80-200(I)B	61 87 113	16.9 24.2 31.4	41 38 32	71	2900	15	4.0	198	100-250(I)	96 160 192	26.7 44.4 53.3	83 80 72	65 77 74	2900	55	4.8	560
80-250(I)	70 100 130	19.4 27.8 36.1	87 80 68	62 69 68	2900	37	4.0	330	100-250(I)A	84 140 168	23.3 39 46.7	75 72 65	60 72 69	2900	45	4.5	420
80-250(I)A	65.4 93.5 121.6	18.2 26.0 33.8	75 70 59.5	61 68 67	2900	30	4.0	315	100-250(I)B	60 100 120	16.7 27.8 33.3	68 65 58	70	2900	37	4.5	400
80-250(I)B	61 87 113	16.9 24.2 31.4	65 60 51	66	2900	30	4.0	315	100-350	60 100 120	16.7 27.8 33.3	153.6 150 142	72 74	2900	90	4.0	950
80-315(I)	70 100 130	19.4 27.8 36.1	132 125 114	55 66 67	2900	75	4.0	675	100-350A	61 87 113	16.9 24.4 31.4	145.6 142 134	75	2900	75	4.0	830
80-315(I)A	66.5 95 123.6	18.5 26.4 34.3	119 113 103	55 66 67	2900	55	4.0	366	100-350B	58 82 107	16.1 22.8 29.7	138.6 135 127	75	2900	55	4.0	600
80-315(I)B	63 90 117	17.5 25 32.5	106.6 101 92	65	2900	45	4.0	420	125-100	96 160 192	26.7 44.4 53.3	13 12.5 12	82	2900	11	4.0	180
80-315(I)C	58 82 107	16.1 22.8 29.7	90 85 76	63	2900	37	4.0	336	125-100A	86 143 172	23.9 39.7 47.8	10.4 10 9.6	77	2900	7.5	4.0	125
100-100	70 100 130	19.4 27.8 36.1	13.6 12.5 11	66 76 75	2900	5.5	4.5	113	125-125	96 160 192	26.7 44.4 53.3	22.6 20 17	80	2900	15	4.0	220
100-100A	62.6 89 116	17.4 24.7 32.2	11 10 8.8	64 74 74	2900	4	4.5	91	125-125A	86 143 172	23.9 39.7 47.8	18 16 13.6	77	2900	11	4.0	210
100-125	70 100 130	19.4 27.8 36.1	23.5 20 14	70 76 65	2900	11	4.5	169	125-160	96 160 192	26.7 44.4 53.3	36 32 28	78	2900	22	4.0	265
100-125A	62.6 89 116	17.4 24.7 32.2	19 16 11	68 74 63	2900	7.5	4.5	118	125-160A	90 150 180	25 41.7 50	31.5 28 24.5	76	2900	18.5	4.0	230
100-160	70 100 130	19.4 27.8 36.1	36.5 32 24	70 76 65	2900	15	4.5	191	125-160B	83 138 166	21.7 38.3 46.1	27 24 21	73	2900	15	4.0	215
100-160A	65.4 93.5 121.6	18.2 26.0 33.8	32 28 21	68 74 67	2900	11	4.5	181	125-200	96 160 192	26.7 44.4 53.3	55 50 46	77	2900	37	5.5	395
100-160B	60.6 86.6 112.6	16.6 24.1 31.3	27 24 18	72	2900	11	4.5	181	125-200A	90 150 180	25 41.7 50	48.4 44 40.5	76	2900	30	5.5	380
100-200	70 100 130	19.4 27.8 36.1	54 50 42	65 74 73	2900	22	4.0	245	125-200B	83 138 166	21.7 38.3 46.1	41.3 37.5 34.5	75	2900	22	5.5	320
100-200A	65.4 93.5 121.6	18.2 26.0 33.8	47.5 44 37	64 73 72	2900	18.5	4.0	215	125-250	96 160 192	26.7 44.4 53.3	87 80 73	75	2900	55	5.0	580
100-200B	61 87 113	16.9 24.2 31.4	41 38 32	71	2900	15	4.0	193	125-250A	90 150 180	25 41.7 50	76 70 84	74	2900	45	5.5	490
100-250	70 100 130	19.4 27.8 36.1	37 80 68	62 69 28	2900	37	4.0	345	125-250B	83 138 166	21.7 38.3 46.1	65 60 55	73	2900	37	5.5	430
100-250A	65.4 93.5 121.6	18.2 26.0 33.8	76 70 59.5	61 68 67	2900	30	4.0	330	125-315	96 160 192	26.7 44.4 53.3	133 125 119	70	2900	90	5.0	790
100-250B	61 87 113	16.9 24.2 31.4	65 60 51	66	2900	30	4.0	330	125-315A	90 150 180	25 41.7 50	117 110 104.6	70	2900	75	5.0	710
100-315	70 100 130	19.4 27.8 36.1	132 125 114	55 66 67	2900	75	4.0	689	125-315B	86 143 172	23.9 39.7 47.8	106.4 100 95.2	69	2900	75	5.0	705
100-315A	66.5 95 123.6	18.5 26.4 34.3	119 113 103	55 66 67	2900	55	4.0	549	125-315C	80.5 134 161	22.4 37.2 44.7	96 88 86	67	2900	55	5.0	585
100-315B	63 90 117	17.5 25 32.5	106.6 101 92	65	2900	45	4.0	439	150-125	96 160 192	26.7 44.4 53.3	22.6 24 17	66 76 76	2900	11	4.0	210
100-315C	58 82 107	16.1 22.8 29.7	90 85 76	63	2900	37	4.0	385	150-125A	90 150 180	25 41.7 50	18 16 13.6	77	2900	7.5	4.0	130
100-100(I)	96 160 192	26.7 44.4 53.3	14 12.5 10	64 73 70	2900	11	4.5	115	150-160	96 160 192	26.7 44.4 53.3	36 32 37	75	2900	22	4.0	270
100-125(I)	96 160 192	26.7 44.4 53.3	24 20 14	62 74 69	2900	15	4.5	168	150-160A	90 150 180	25 41.7 50	32 28 23.5	76	2900	18.5	4.0	230
100-125(I)A	84 140 168	23.3 39 46.7	20 17 12	64 72 68	2900	11	4.5	168	150-160B	84 140 168	23.3 39 46.7	27 24 21	73	2900	15	4.0	220
100-160(I)	96 160 192	26.7 44.4 53.3	36 32 27	69 79 75	2900	22	5.6	210	150-200	140 200 200	38.9 55.6 72.2	13.8 12.5 10.6	68 78 78	1450	11	3.0	265
100-160(I)A	84 140 168	23.3 39 46.7	32 28 23.5	66 76 72	2900	18.5	5.0	210	150-200A	125 176 232.5	34.7 49.7 64.6	11 10 8.5	75 76 75	1450	11	3.0	244

ISG, IRG, GRG, IHG, YG
ISWZ, IRZ, GRZ, IHZ, YZ

Series Key Performance Parameters

Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (NRSHr)	Weight (kg)	Model	Flow Rate Q		Head (m)	Efficiency (%)	Speed (r/min)	Motor Power (KW)	NPSHr (NRSHr)	Weight (kg)
	(m³/h)	(l/s)								(m³/h)	(l/s)						
150-200B	84 140 168	23.5 39 46.7	41 38 34	75	2900	22	4.0	275	200-200(I)	280 400 520	77.8 111.1 144.1	13.4 12.5 10.5	70 80 70	1450	22	4.0	382
150-250	140 200 260	38.9 55.6 72.2	21.8 20 17	73 79 77	1450	18.5	3.0	300	200-200(I)A	250 358 465	69.4 90.4 129.2	10.7 10 8.5	68 73 77	1450	18.5	4.0	346
150-250A	129 184.4 240	35.8 51.2 66.7	18.6 17 14.4	72 78 76	1450	15	3.0	262	200-250(I)	280 400 520	77.8 111.1 144.1	22.2 20 14	75 80 72	1450	30	4.0	475
150-250B	117 167 217.5	32.5 46.4 60.4	15.2 14 12	76	1450	11	3.0	241	200-250(I)A	250 358 465	69.4 90.4 129.2	18 16 11.2	73 78 70	1450	20	4.0	405
150-315	140 200 260	38.9 55.6 72.2	33.8 32 28	70 78 73	1450	30	2.5	410	200-250(I)B	226 322 465	62.8 89.4 116.4	14.4 13 7.3	70 75 67	1450	18.5	4.0	387
150-315A	131 187 243	36.4 51.9 67.5	29.5 28 24.5	69 77 77	1450	22	3.5	335	200-315(I)	280 400 520	77.8 111.1 144.1	36 32 26	73 70 75	1450	55	4.0	675
150-315B	121 173 225	33.5 48.1 62.5	25 24 21	76	1450	18.5	3.5	315	200-315(I)A	362 374 486	72.8 103.9 135	31.5 28 23	72 79 74	1450	45	4.0	560
150-350	96 160 192	26.7 44.4 53.3	153.6 150 142.8	80	2900	110	5.5	971	200-315(I)B	242 346 450	67.3 96.1 125	27 24 19.5	78	1450	37	4.0	535
150-350A	90 150 180	25 41.7 50	145.6 142 134.8	70	2900	90	5.2	790	200-400(I)	280 400 500	77.8 111.4 144	54.5 50 39	75 81 77	1450	75	4.0	830
150-350B	84 140 168	23.3 39 46.7	138.6 135 127.8	65 76 74	2900	75	5.5	705	200-400(I)A	262 376 486	72.8 103.9 135	48 44 34	80	1450	75	4.0	830
150-400	140 200 260	38.9 55.6 72.2	53 50 44	68 75 71	1450	45	3.5	490	200-400(I)B	242 346 450	67.2 96.1 125	41.4 38 29.6	78	1450	55	5.0	685
150-400A	131 187 243	36.4 51.9 67.5	46.6 44 38.3	67 74 70	1450	37	3.5	454	200-400(I)C	224 320 416	62.2 88.9 115.6	34.9 32 25	76	1450	45	5.0	580
150-400B	122 174 226.5	33.9 48.3 62.9	40 38 33	73	1450	30	3.5	435	250-250	350 550 650	97.2 152.8 180.5	22 20 16	78 82 81	1450	45	5.0	620
150-400C	112 160 208	31.1 44.4 57.8	34 32 28	71	1450	22	3.5	365	250-250A	300 500 600	83.3 139 166.7	18.3 17 14	76 80 80	1450	37	5.0	550
150-250(I)	120 200 240	33.3 55.6 66.7	87 80 72	65 76 74	2900	75	4.5	702	250-235	300 500 600	83.3 139 166.7	14 12.5 11	73 78 70	1480	22	4.5	410
150-250(I)A	112 187 224	31.3 51.9 62.2	76 70 63	64 75 73	2900	55	4.5	561	250-300	300 500 600	83.3 139 166.7	22 20 16	78	1480	37	4.5	550
150-250(I)B	104 173 208	28.9 48.1 57.8	65 60 54	63 72 72	2900	45	4.5	460	250-315	350 550 650	97.2 152.6 180.5	34 32 28	76 80 79	1450	75	5.5	890
150-315(I)	120 200 240	33.3 55.6 66.7	133 125 120	58 73 75	2900	110	4.5	980	250-315A	300 500 600	83.3 139 166.7	29.5 28 24	74 78 77	1450	55	5.5	690
150-315(I)A	112 187 224	31.1 51.9 62.2	116 110 105	57 72 74	2900	90	4.5	800	250-315B	260 450 520	72.2 125 144.4	25 24 20	70 74 72	1450	45	5.5	620
150-315(I)B	104 143 208	28.9 48.1 57.8	100 95 91	55 70 72	2900	75	4.5	724	250-400	300 500 600	83.3 139 166.7	54.5 50 39	72	1480	90	4.5	1530
200-200	140 200 260	38.9 55.6 72.2	13.8 12.5 10.6	68 78 78	1450	15	3.0	265	300-235	480 720 900	133.3 200 250	28 18 15.5	77 81 84	970	55	5.0	1120
200-200A	125 179 232.5	34.7 49.7 64.6	11 10 8.5	66 76 76	1450	11	3.0	244	300-235A	438 607 821	121.7 182.5 228.1	16.5 15 13	75 79 72	970	45	5.0	1030
200-250	140 200 260	38.9 55.6 72.2	21.8 20 17	73 79 77	1450	18.5	3.0	305	300-235B	400 600 750	111.1 167.0 208.3	14 12.5 11	73 77 70	970	37	5.0	890
200-250A	129 184.4 240	35.8 51.2 66.7	17 14.4 11.2	72 78 76	1450	15	3.0	267	300-300	480 720 900	133.3 200 250	31 28 25	77 81 77	970	75	5.0	1350
200-250B	117 167 217.5	32.5 46.4 60.4	15.2 14 12	76	1450	11	3.0	246	300-300A	444 666 833	123.3 185 231.4	26.5 24 21.5	76 80 76	970	75	5.0	1350
200-315	140 200 260	38.9 55.6 72.2	33.8 32 28	70 78 78	1450	30	3.5	417	300-300B	415 623 779	115.3 173.1 264.4	23 21 18.5	79	970	55	5.0	1170
200-315A	131 189 243	36.4 51.9 67.5	29.5 28 24.5	69 77 77	1450	22	3.5	342	300-380	480 720 900	133.3 200 250	48 44 34	84	970	132	5.0	1900
200-315B	121 173 225	33.6 48.1 62.5	25 24 21	76	1450	18.5	3.5	322	300-380A	444 666 833	123.3 185 231.4	41.4 38 30	80	970	110	5.0	1700
200-400	140 200 260	38.9 55.6 72.2	53 50 44	68 75 71	1450	45	3.5	498	300-380B	409 614 767	113.6 170.6 213.1	35 32 25	78	970	90	5.0	1530
200-400A	131 187 243	36.4 51.9 67.5	46.6 44 38.3	67 74 70	1450	37	3.5	462	300-235(I)	718 1080 1345	199.4 300 373.6	44.6 40 34.6	82	1450	160	5.5	1680
200-400B	122 174 226.5	33.9 48.6 62.9	40 38 33	73	1450	30	3.5	443	300-235(I)A	642 965 1203	178.3 268.1 344.2	35.7 32 27.7	80	1450	132	5.5	1440
200-400C	112 160 208	31.3 44.4 57.8	34 33 28	71	1450	22	3.5	373									

Pump Dimensions and Installation Diagrams



■Note: The performance ranges for the IRG, GRG, IHG, and YG models are the same as those for the ISG. IRZ, GRZ, IHZ, YZ

ISG、IRG、GRG、IHG、YG Series Installation Dimensions Table

Model	Overall Dimensions				Mounting Dimensions			Inlet & Outlet Flange Dimensions			Vibration Isolator (Pad)	
	L	R	H	C ₁ ×B ₁	A	C ₂ ×B ₂	4- ϕ ₁	D	D ₁	Δ -d	Specification	H ₁
15-80	180	160	340	75×100	40	45×70	4- ϕ 12	G1/2	/	/	SD41-0.5	60
20-110	260	230	405	80×110	55	50×80	4- ϕ 12	G3/4	/	/	SD41-0.5	75
20-160	300	230	420	90×130	65	60×100	4- ϕ 14	G3/4	/	/	SD41-0.5	85
20-110	260	230	415	80×110	60	50×80	4- ϕ 14	ϕ 115	ϕ 85	4- ϕ 14	SD41-0.5	80
25-125	260	230	435	80×110	75	50×80	4- ϕ 14	ϕ 115	ϕ 85	4- ϕ 14	SD41-0.5	95
25-125A	260	230	435	80×110	75	50×80	4- ϕ 14	ϕ 115	ϕ 85	4- ϕ 14	SD41-0.5	95
25-160	300	270	430	90×130	65	60×100	4- ϕ 14	ϕ 115	ϕ 85	4- ϕ 14	SD41-0.5	85
25-160A	300	270	415	90×130	65	60×100	4- ϕ 14	ϕ 115	ϕ 85	4- ϕ 14	SD41-0.5	85
32-100(I)	260	230	445	100×150	85	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	105
32-125	260	230	435	90×130	72	60×100	4- ϕ 14	ϕ 140	ϕ 100	4- ϕ 18	SD41-0.5	92
32-125A	260	230	435	90×130	72	60×100	4- ϕ 14	ϕ 140	ϕ 100	4- ϕ 18	SD41-0.5	92
32-160(I)	320	270	505	100×150	90	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	110
32-200(I)	340	330	560	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
32-200A	340	330	540	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-100	260	230	445	100×150	85	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	105
40-100A	260	230	445	100×150	85	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	105
40-125	280	230	445	100×150	85	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	105
40-125A	280	230	445	100×150	85	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	105
40-160	320	270	505	100×150	90	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	110
40-160A	320	270	485	100×150	90	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	110
40-160B	320	270	470	100×150	90	70×120	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	110
40-200	340	330	560	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-200A	340	330	540	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-200B	340	330	505	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-250	400	405	630	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-250A	400	405	630	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-250B	400	405	565	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-100(I)	300	230	455	120×170	90	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	110
40-100(I)A	300	230	455	120×170	90	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	110
40-125(I)	300	240	465	120×170	90	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	110
40-125(I)A	300	240	450	120×170	90	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD41-0.5	110
40-160(I)	340	300	550	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-160(I)A	340	300	515	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-160(I)B	340	300	490	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-200(I)	360	350	635	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-200(I)A	360	350	570	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-200(I)B	360	350	550	120×170	95	80×130	4- ϕ 14	ϕ 150	ϕ 110	4- ϕ 18	SD61-0.5	115
40-250(I)	440	430	780	140×200	105	100×160	4- ϕ 18	ϕ 150	ϕ 110	4- ϕ 18	JSD2-3	205
40-250(I)A	440	360	650	140×200	105	100×160	4- ϕ 18	ϕ 150	ϕ 110	4- ϕ 18	JSD2-3	205
40-250(I)B	440	360	650	140×200	105	100×160	4- ϕ 18	ϕ 150	ϕ 110	4- ϕ 18	JSD2-3	205
40-250(I)C	440	360	650	140×200	105	100×160	4- ϕ 18	ϕ 150	ϕ 110	4- ϕ 18	JSD2-3	205
50-100	290	230	455	100×150	95	70×120	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD41-0.5	115
50-100A	290	230	455	100×150	95	70×120	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD41-0.5	115
50-125	300	240	465	100×150	95	70×120	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD41-0.5	115
50-125A	300	240	450	100×150	95	70×120	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD41-0.5	115
50-160	320	300	550	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-160A	320	300	515	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-160B	320	300	490	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-200	360	350	635	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-200A	360	350	570	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-200B	360	350	550	120×170	100	80×130	4- ϕ 14	ϕ 165	ϕ 125	4- ϕ 18	SD61-0.5	120
50-250	440	430	780	140×200	105	100×160	4- ϕ 18	ϕ 165	ϕ 125	4- ϕ 18	JSD2-3	205

ISG、IRG、GRG、IHG、YG Series Installation Dimensions Table

Model	Overall Dimensions				Mounting Dimensions			Inlet & Outlet Flange Dimensions			Vibration Isolator (Pad)	
	L	R	H	C ₁ ×B ₁	A	C ₂ ×B ₂	4-d ₁	D	D ₁	4-d	Specification	H ₁
50-250A	440	360	650	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	JGD2-3	205
50-250B	440	360	650	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	JGD2-3	205
50-250C	440	360	650	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	JGD2-3	205
50-100(I)	320	235	475	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	SD41-0.5	125
50-100(I)A	320	235	460	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	SD41-0.5	125
50-125(I)	340	280	550	140×200	95	100×160	4∅-18	∅165	∅125	4∅-18	SD41-0.5	110
50-125(I)A	340	280	515	140×200	95	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	110
50-160(I)	360	305	570	140×200	100	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	120
50-160(I)A	360	305	570	140×200	100	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	120
50-160(I)B	360	305	550	140×200	100	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	120
50-200(I)	380	350	635	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	125
50-200(I)A	380	350	635	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	125
50-200(I)B	380	350	635	140×200	105	100×160	4∅-18	∅165	∅125	4∅-18	SD61-05	125
50-250(I)	480	435	785	160×200	110	120×180	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-250(I)A	480	435	785	160×200	110	120×180	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-250(I)B	480	435	785	160×200	110	120×180	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-315(I)	550	510	920	190×280	110	150×240	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-315(I)A	550	470	855	190×280	110	150×240	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-315(I)B	550	435	830	190×280	110	150×240	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
50-315(I)C	550	435	785	190×280	110	150×240	4∅-18	∅165	∅125	4∅-18	JGD2-3	210
65-100	320	235	475	140×200	105	100×160	4∅-18	∅185	∅145	4∅-18	SD41-0.5	125
65-100A	320	235	460	140×200	105	100×160	4∅-18	∅185	∅145	4∅-18	SD41-0.5	125
65-125	340	280	550	140×200	100	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	120
65-125A	340	280	515	140×200	100	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.53	120
65-160	360	305	570	140×200	100	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	120
65-160A	360	305	570	140×200	100	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	120
65-160B	360	305	550	140×200	100	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	120
65-200	380	350	635	140×200	105	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	125
65-200A	380	350	635	140×200	105	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	125
65-200B	380	350	635	140×200	105	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	125
65-250	480	435	785	160×220	110	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-250A	480	435	785	160×220	110	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-250B	480	435	785	160×220	110	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-315	550	510	920	190×280	110	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-315A	550	470	855	190×280	110	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-315B	550	435	830	190×280	110	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-315C	550	435	785	190×280	110	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	210
65-100(I)	400	285	570	140×200	120	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	140
65-100(I)A	400	245	535	140×200	120	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	140
65-125(I)	400	360	660	140×200	120	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	140
65-125(I)A	400	315	595	140×200	120	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	140
65-160(I)	400	360	660	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	145
65-160(I)A	400	360	660	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	145
65-160(I)B	400	315	660	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	SD61-0.5	145
65-200(I)	450	430	795	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	JGD2-3	225
65-200(I)A	450	430	795	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	JGD2-3	225
65-200(I)B	450	360	665	140×200	125	100×160	4∅-18	∅185	∅145	4∅-18	JGD2-3	225
65-250(I)	480	465	870	160×200	130	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	230
65-250(I)A	480	430	850	160×200	130	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	230
65-250(I)B	480	430	805	160×200	130	120×180	4∅-18	∅185	∅145	4∅-18	JGD2-3	230
65-315(I)	550	530	1000	190×280	130	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	230
65-315(I)A	550	530	1000	190×280	130	150×240	4∅-18	∅185	∅145	4∅-18	JGD2-3	230

ISG、IRG、GRG、IHG、YG Series Installation Dimensions Table

Model	Overall Dimensions				Mounting Dimensions			Inlet & Outlet Flange Dimensions			Vibration Isolator (Pad)	
	L	R	H	C ₁ ×B ₁	A	C ₂ ×B ₂	4- ϕ ₁	D	D ₁	ϕ -d	Specification	H ₁
65-315(I)B	550	530	1000	190×280	130	150×240	4 ϕ -18	ϕ 185	ϕ 145	4 ϕ -18	JGD2-3	230
65-315(I)C	550	470	885	190×280	130	150×240	4 ϕ -18	ϕ 185	ϕ 145	4 ϕ -18	JGD2-3	230
80-100	400	285	570	140×200	120	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	140
81-100A	400	245	535	140×200	120	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	140
80-125	400	360	600	140×200	120	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	140
80-125A	400	315	595	140×200	120	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	140
80-160	400	360	660	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	145
80-160A	400	360	660	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	145
80-160B	400	315	660	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	145
80-200	430	430	795	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	225
80-200A	430	430	795	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	225
80-200B	430	360	665	140×200	125	100×160	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	225
80-250	480	465	870	160×220	130	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-250A	480	430	850	160×220	130	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-250B	480	430	805	160×220	130	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-315	580	530	1000	190×280	130	150×240	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-315A	580	530	1000	190×280	130	150×240	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-315B	580	530	1000	190×280	130	150×240	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-315B	580	470	885	190×280	130	150×240	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	230
80-350	630	610	1100	202×260	130	150×240	4 ϕ -18	ϕ 200	ϕ 160	4 ϕ -18	JGD2-85	280
80-350A	630	575	1015	202×260	130	166×220	4 ϕ -18	ϕ 200	ϕ 160	4 ϕ -18	JGD2-85	280
80-350B	630	545	975	202×260	130	166×220	4 ϕ -18	ϕ 200	ϕ 160	4 ϕ -18	JGD2-85	280
80-100(I)	460	360	675	160×220	140	166×220	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	160
80-100(I)A	460	360	610	160×220	140	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	SD61-0.5	160
80-125(I)	450	430	805	160×220	140	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	240
80-125(I)A	450	350	675	160×220	140	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	240
80-160(I)	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	260
80-160(I)A	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	260
80-160(I)B	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	260
80-200(I)	480	475	880	160×220	135	120×180	4 ϕ -18	ϕ 200	ϕ 150	8 ϕ -18	JGD2-3	235
80-200(I)B	480	430	860	160×220	135	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	235
80-200(I)A	480	450	815	160×220	135	120×180	4 ϕ -18	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	235
80-250(I)	550	520	1015	190×280	155	120×180	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	275
80-250(I)A	550	520	1015	190×280	155	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	275
80-250(I)B	550	520	1015	190×280	155	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	275
80-315(I)	580	700	1235	190×280	165	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	285
80-315(I)A	580	640	1165	190×280	165	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	285
80-315(I)B	580	580	1080	190×280	165	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	285
80-315(I)C	580	520	1040	190×280	165	150×240	4 ϕ -22	ϕ 200	ϕ 160	8 ϕ -18	JGD2-3	285
100-100	460	360	675	160×220	140	150×240	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	SD61-0.5	160
100-100A	460	315	610	160×220	140	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	SD61-0.5	160
100-125	440	430	805	160×220	140	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	240
100-125A	440	350	675	160×220	140	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	240
100-160	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	260
100-160A	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	260
100-160B	500	430	835	160×220	160	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	260
100-200	480	475	880	160×220	140	120×180	4 ϕ -18	ϕ 200	ϕ 180	8 ϕ -18	JGD2-3	240
100-200A	480	430	860	160×220	140	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	240
100-200B	480	430	815	160×220	140	120×180	4 ϕ -18	ϕ 220	ϕ 180	8 ϕ -18	JGD2-3	240
100-250	550	520	1015	160×220	155	120×180	4 ϕ -22	ϕ 220	ϕ 180	8 ϕ -18	JGD3-2	275
100-250A	550	520	1015	160×220	155	120×180	4 ϕ -22	ϕ 220	ϕ 180	8 ϕ -18	JGD3-2	275
100-250B	550	520	1015	160×220	155	120×180	4 ϕ -22	ϕ 220	ϕ 180	8 ϕ -18	JGD3-2	275

ISG、IRG、GRG、IHG、YG Series Installation Dimensions Table

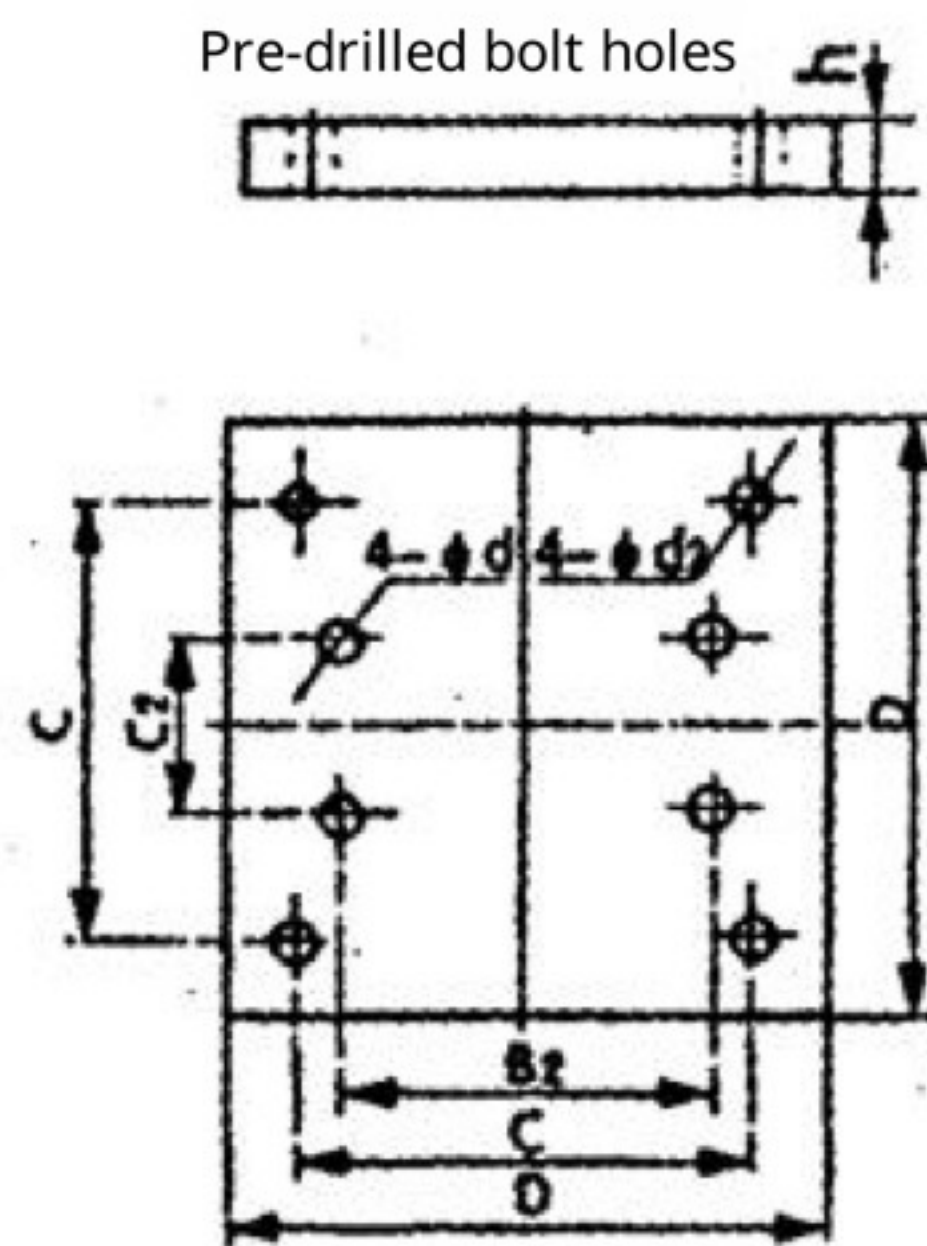
Model	Overall Dimensions				Mounting Dimensions			Inlet & Outlet Flange Dimensions			Vibration Isolator (Pad)	
	L	R	H	C ₁ ×B ₁	A	C ₂ ×B ₂	4-d ₁	D	D ₁	4-d	Specification	H ₁
100-315	630	700	1235	250×300	165	120×260	4∅-22	∅220	∅180	8∅-18	JGD3-2	285
100-315A	630	640	1165	250×300	165	120×260	4∅-22	∅220	∅180	8∅-18	JGD3-2	285
100-315B	630	580	1080	250×300	165	120×260	4∅-22	∅220	∅180	8∅-18	JGD3-2	285
100-315C	630	520	1040	250×300	165	120×260	4∅-22	∅220	∅180	8∅-18	JGD3-2	285
100-100(I)	460	415	802	160×220	140	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	180
100-125(I)	500	300	807	160×220	160	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	180
100-125(I)A	500	280	807	160×220	160	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	180
100-160(I)	480	330	884	160×220	170	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	190
100-160(I)A	480	330	884	160×220	170	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	190
100-200(I)	560	365	970	160×220	165	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	185
100-200(I)A	560	345	970	160×220	165	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	185
100-200(I)B	560	345	970	160×220	165	120×180	4∅-18	∅220	∅180	8∅-18	SD61-0.5	185
100-250(I)	600	435	1121	190×280	175	150×240	4∅-18	∅220	∅180	8∅-18	JGD3-2	275
100-250(I)A	600	360	1121	190×280	175	150×240	4∅-18	∅220	∅180	8∅-18	JGD3-2	275
100-250(I)B	600	360	1121	190×280	175	150×240	4∅-18	∅220	∅180	8∅-18	JGD3-2	275
100-350	680	630	1310	230×320	175	166×220	4∅-18	∅220	∅180	8∅-18	JSD-150	335
100-350(I)A	680	630	1260	230×320	175	166×220	4∅-18	∅220	∅180	8∅-18	JSD-150	335
100-350(I)B	680	605	1190	230×320	175	166×220	4∅-18	∅220	∅180	8∅-18	JSD-150	335
125-100	520	430	830	160×220	165	120×180	4∅-18	∅250	∅210	8∅-18	JGD2-3	265
125-100A	520	360	730	160×220	165	120×180	4∅-18	∅250	∅210	4∅-18	JGD2-3	265
125-125	520	430	840	160×220	170	120×180	4∅-18	∅250	∅210	4∅-18	JGD2-3	270
125-125A	520	430	840	160×220	170	120×180	4∅-18	∅250	∅210	4∅-18	JGD2-3	270
125-160	520	460	920	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
125-160A	520	430	890	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
125-160B	520	430	850	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
125-200	680	510	1040	200×260	175	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	295
125-200A	680	510	1040	200×260	175	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	295
125-200B	680	460	930	200×260	175	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	295
125-250	680	660	1180	200×260	170	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	290
125-250A	680	570	1080	200×260	170	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	290
125-250B	680	510	1050	200×260	170	160×220	4∅-18	∅250	∅210	8∅-18	JGD3-2	290
125-315	640	685	1310	300×350	180	230×280	4∅-18	∅250	∅210	8∅-18	JGD3-3	300
125-315A	640	685	1300	300×350	180	230×280	4∅-18	∅250	∅210	8∅-18	JGD3-3	300
125-315B	640	685	1310	300×350	180	230×280	4∅-18	∅250	∅210	8∅-18	JGD3-3	300
125-315C	640	660	1230	300×350	180	230×280	4∅-18	∅250	∅210	8∅-18	JGD3-3	300
150-125	520	430	840	160×220	170	120×280	4∅-18	∅250	∅210	8∅-18	JGD2-3	270
150-125A	520	430	840	160×220	170	120×280	4∅-18	∅250	∅210	8∅-18	JGD2-3	270
150-160	520	430	850	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
150-160A	520	430	850	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
150-160B	520	430	850	190×280	175	150×240	4∅-18	∅250	∅210	8∅-18	JGD2-3	275
150-200	680	435	930	250×300	200	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	300
150-200A	680	435	885	250×300	200	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	300
150-200B	680	435	885	250×300	200	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	300
150-250	700	475	960	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	305
150-250A	700	475	940	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	305
150-250B	700	445	895	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD2-3	305
150-315	760	530	1075	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325
150-315A	760	505	1000	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325
150-315B	760	505	960	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325
150-350	760	530	1075	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325
150-350A	760	530	1075	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325
150-350B	760	530	1075	250×300	205	210×260	4∅-22	∅285	∅240	8∅-22	JGD3-3	325

ISG、IRG、GRG、IHG、YG Series Installation Dimensions Table

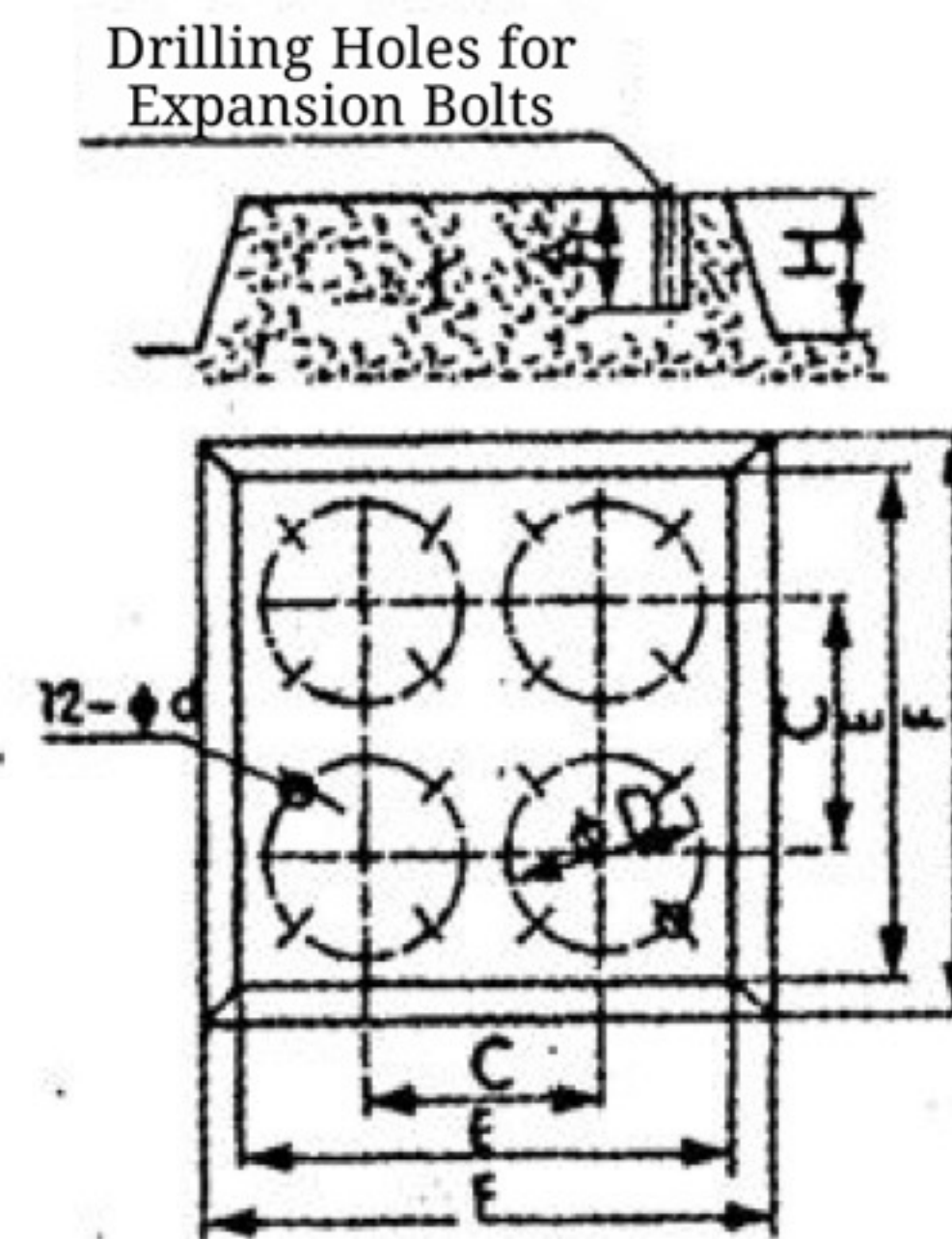
Model	Overall Dimensions				Mounting Dimensions			Inlet & Outlet Flange Dimensions			Vibration Isolator (Pad)	
	L	R	H	C ₁ ×B ₁	A	C ₂ ×B ₂	4-d ₁	D	D ₁	4-d	Specification	H ₁
150-400	800	595	1120	250×300	210	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	330
150-400A	800	595	1095	250×300	210	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	330
150-400B	800	560	1075	250×300	210	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	330
150-400C	800	535	1000	250×300	210	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	330
150-250(I)	700	700	1280	250×300	195	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	315
150-250(I)A	700	640	1200	250×300	195	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	315
150-250(I)B	700	585	1115	250×300	195	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	315
150-315(I)	760	900	1560	250×300	200	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	320
150-315(I)A	760	700	1330	250×300	200	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	320
150-315(I)B	760	700	1210	250×300	200	210×260	4-∅22	∅285	∅240	8-∅22	JGD3-3	320
200-200	680	435	930	250×300	200	210×260	4-∅22	∅340	∅295	12-∅22	JGD2-3	300
200-200A	680	435	885	250×300	200	210×260	4-∅22	∅340	∅295	12-∅22	JGD2-3	300
200-250	750	475	960	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD2-3	310
200-250A	750	475	940	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD2-3	310
200-250B	750	445	895	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD2-3	310
200-315	800	530	1075	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD3-3	330
200-315A	800	505	1000	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD3-3	330
200-315B	800	505	960	270×320	210	230×280	4-∅22	∅340	∅295	12-∅22	JGD3-3	330
200-400	860	595	1120	300×370	225	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	345
200-400A	860	595	1095	300×370	225	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	345
200-400B	860	560	1075	300×370	225	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	345
200-400C	860	535	1000	300×370	225	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	345
200-200(I)	810	525	1030	300×370	240	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-2	360
200-200(I)A	810	525	970	300×370	240	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-2	360
200-250(I)	840	530	1110	300×370	240	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	360
200-250(I)A	840	510	1035	300×370	240	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	360
200-250(I)B	840	510	995	300×370	240	250×320	4-∅22	∅340	∅295	12-∅22	JGD3-3	360
200-315(I)	860	645	1265	300×370	250	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-1	380
200-315(I)A	860	605	1180	300×370	250	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-1	380
200-315(I)B	860	605	1145	300×370	250	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-1	380
200-400(I)	880	700	1340	300×370	260	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-2	390
200-400(I)A	880	700	1340	300×370	260	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-2	390
200-400(I)B	880	735	1270	230×370	260	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-2	390
200-400(I)C	880	600	1185	300×370	260	250×320	4-∅22	∅340	∅295	12-∅22	JGD4-2	390
200-250	1110	550	1145	350×400	250	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
200-250A	1110	550	1145	350×400	250	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-235	1110	550	1145	350×400	250	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-300	1110	550	1145	350×400	250	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-315	1110	640	1350	350×400	265	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-315A	1110	640	1350	350×400	265	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-315B	1110	640	1350	350×400	265	300×350	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
250-400	1200	900	1740	400×500	265	300×400	4-∅26	∅405	∅355	12-∅26	JGD4-2	390
300-235	1370	710	1520	400×500	370	350×450	4-∅26	∅460	∅410	12-∅26	JGD4-1	500
300-235A	1370	710	1470	400×500	370	350×450	4-∅26	∅460	∅410	12-∅26	JGD4-1	500
300-235B	1370	685	1400	400×500	370	350×450	4-∅26	∅460	∅410	12-∅26	JGD4-1	500
300-300	1370	900	1740	400×500	360	350×450	4-∅26	∅460	∅410	12-∅26	JGD4-2	490
300-300A	1370	900	1740	400×500	360	350×450	4-∅26	∅460	∅410	12-∅26	JGD4-2	490
300-300B	1370	735	1410	400×500	360	350×450	4-∅26	∅450	∅410	12-∅26	JGD4-2	490
300-380	1370	945	1850	400×500	390	350×450	4-∅26	∅460	∅410	12-∅26	JGD5-3	550
300-380A	1370	945	1850	400×500	390	350×450	4-∅26	∅460	∅410	12-∅26	JGD5-3	550
300-380B	1370	945	1850	400×500	390	350×450	4-∅26	∅460	∅410	12-∅26	JGD5-3	550
300-235(I)	1370	900	1830	400×500	370	350×450	4-∅26	∅460	∅410	12-∅26	JGD5-3	530
300-235(I)A	1370	900	1830	400×500	370	350×450	4-∅26	∅460	∅410	12-∅26	JGD5-3	530

Accessories and Installation Dimensions

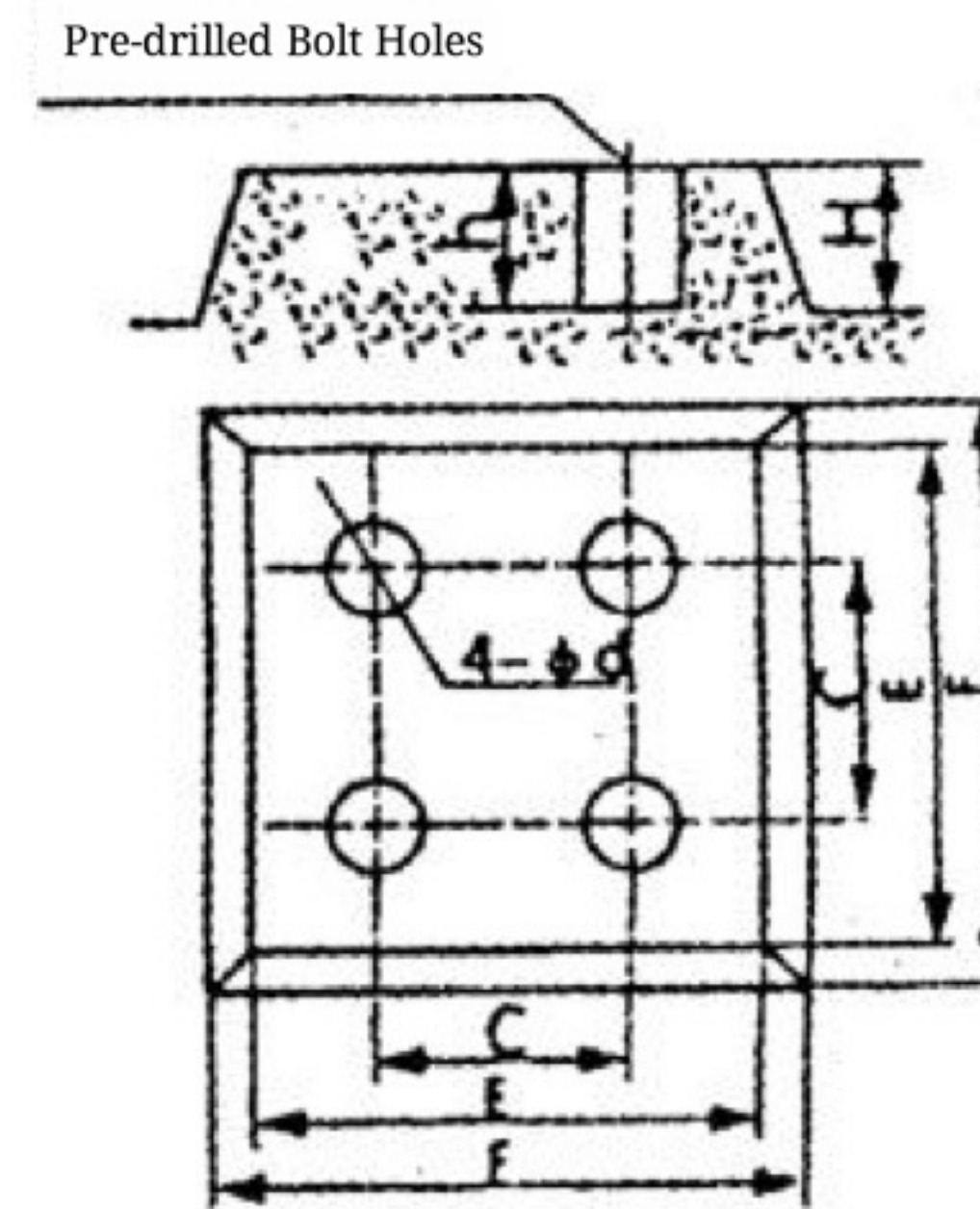
Connection Plate



Flexible Connection Base Diagram



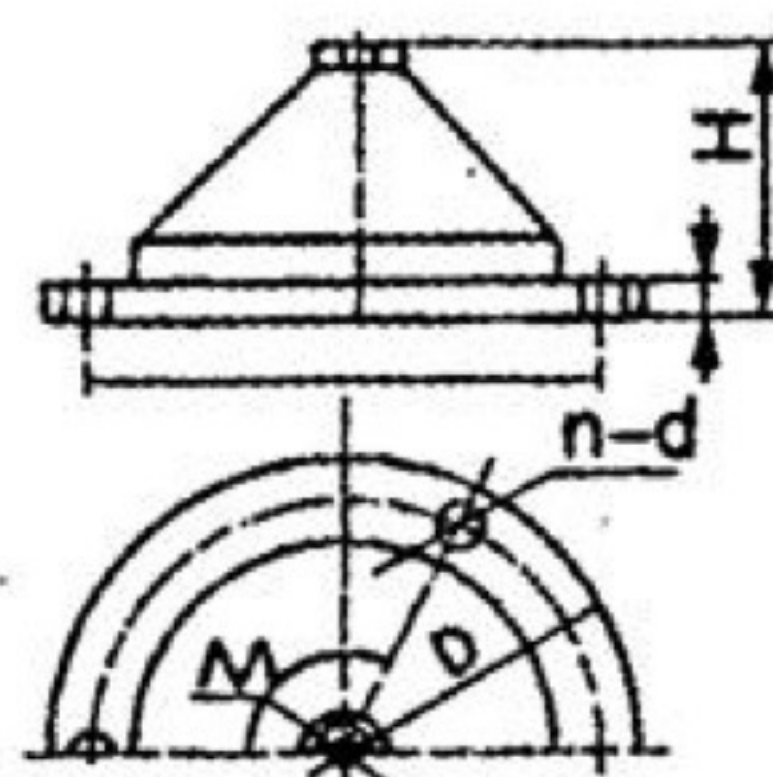
Rigid Connection Base Diagram



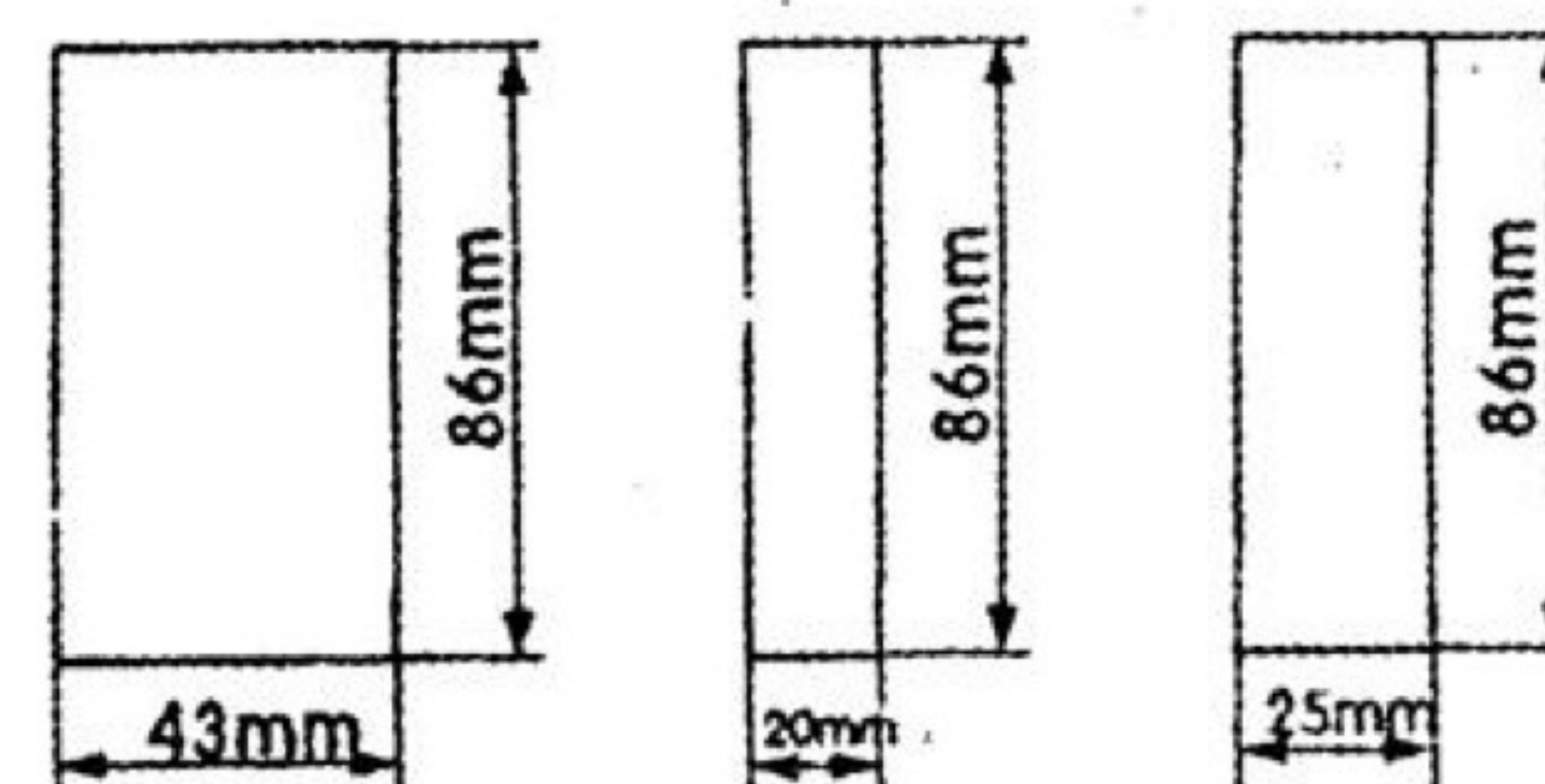
Connection Dimensions							Flexible-connection Foundation Dimensions						Rigid-connection Foundation Dimensions							
Model	C ₂ ×B ₂	C×C	D×D	h	d ₁	d ₂	H	E	F	C	D	d	h	H	E	F	C	d	h	
1	45×70	240×240	300×300	55	14	14	200	450	500	240	/	/	/	200	450	500	240	60	200	
2	50×80	240×240	300×300	55	14	14	200	450	500	240	/	/	/	200	450	500	240	60	200	
3	60×100	240×240	300×300	55	14	14	200	450	500	240	/	/	/	200	450	500	240	60	200	
4	70×120	240×240	300×300	55	18	16	200	450	500	240	/	/	/	200	450	500	240	60	200	
5	80×130	240×240	300×300	55	18	16	200	450	500	240	/	/	/	200	450	500	240	60	200	
6	100×160	340×340	400×400	55	18	16	250	650	700	340	同 隔 振 器 D1	14.5	60	250	650	700	340	80	250	
7	120×80	340×340	400×400	55	18	16	250	650	700	340		14.5	60	250	650	700	340	80	250	
8	160×220	340×340	400×400	55	22	16	250	650	700	340		14.5	60	250	650	700	340	80	250	
9	150×240	340×340	400×400	55	22	16	250	650	700	340		14.5	60	250	650	700	340	80	250	
10	210×260	440×440	500×500	55	22	16 或 18	300	750	800	440		14.5	60	250	650	700	340	80	250	
11	230×280	440×440	500×500	55	22	16 或 18	300	750	800	500		14.5	60	300	750	800	440	80	250	
12	250×320	540×540	600×600	55	22	16 或 18	300	800	850	500		14.5	60	300	800	850	540	80	250	
13	300×350	740×740	880×880	55	22	20 或 18	350	1000	1100	740		14.5	60	350	1000	1100	740	80	250	
14	300×400	740×740	800×800	55	22	20 或 18	350	1000	1100	740	14.5	60	350	1000	1100	740	80	250		
15	350×450	740×740	800×800	55	22	20 或 18	350	1000	1100	740	14.5	60	350	1000	1100	740	80	250		
16	400×500	740×740	800×800	55	22	20 或 18	350	1000	1100	740	14.5	60	350	1000	1100	740	80	250		

JGD-Type Vibration Isolator

型号	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

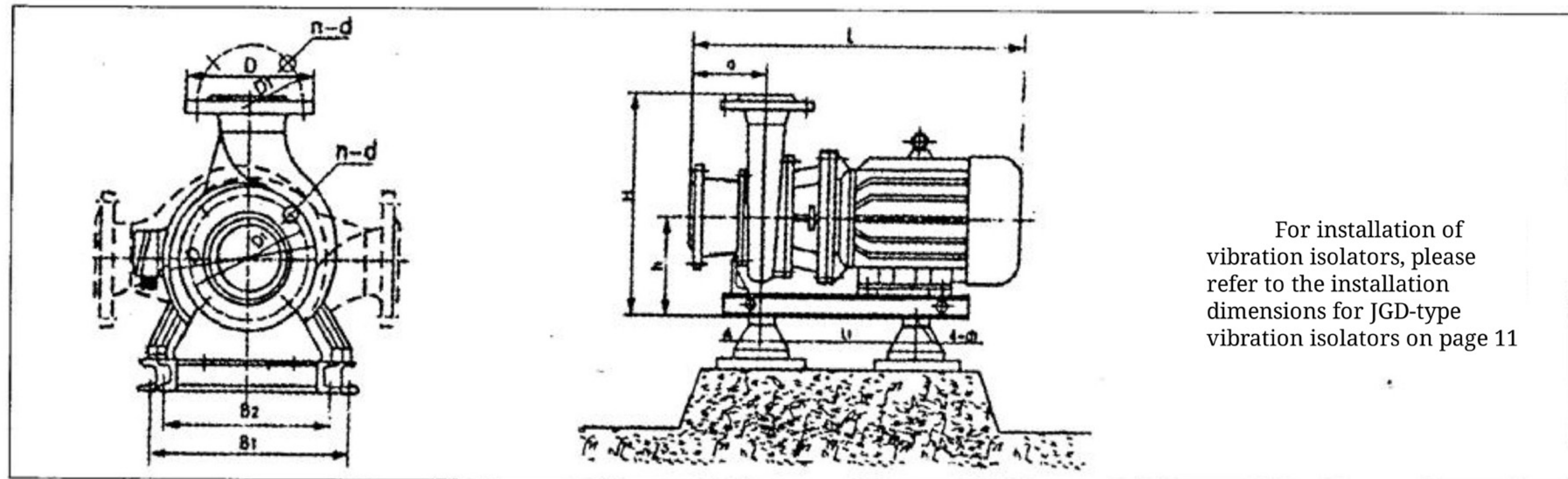


SD-type vibration isolation pad 0.5 Basic block dimensions



ISWZ, IRZ, GRZ, IHZ, and YZ Series Dimensions and Mounting Dimensions

Dimensions and Installation Specifications



No.	Model	Overall Dimensions		Mounting Dimensions									Vibration Isolator (Pad)
		L	H	a	h	L ₁	B ₁	B ₂	4-d ₁	D	D ₁	n-d	
001	40-100	545	260	150	130	280	125	125	4- 12	150	110	4- 18	SD41-0.5
002	40-125	545	290	150	140	280	125	125	4- 12	150	110	4- 18	SD41-0.5
003	40-125A	545	290	150	130	280	125	125	4- 12	150	110	4- 18	SD41-0.5
004	40-160	573	320	150	150	330	140	140	4- 12	150	110	4- 18	SD41-0.5
005	40-16A	548	320	150	150	330	140	140	4- 12	150	110	4- 18	SD41-0.5
006	40-160B	535	310	150	140	310	125	125	4- 12	150	110	4- 18	SD41-0.5
007	40-200	635	340	150	160	360	190	190	4- 12	150	110	4- 18	SD41-0.5
008	40-200A	615	330	150	150	360	160	160	4- 12	150	110	4- 18	SD41-0.5
009	40-200B	570	330	150	150	330	140	140	4- 12	150	110	4- 18	SD41-0.5
010	40-250	695	410	150	195	440	216	216	4- 12	150	110	4- 18	SD41-0.5
011	40-250A	695	410	150	195	440	216	216	4- 12	150	110	4- 18	SD41-0.5
012	40-250B	640	390	150	175	380	190	190	4- 12	150	110	4- 18	SD41-0.5
013	40-100(I)	540	290	150	140	280	140	140	4- 12	150	110	4- 18	SD41-0.5
014	40-100(I)A	540	290	150	140	280	125	125	4- 12	150	110	4- 18	SD41-0.5
015	40-125(I)	555	290	150	140	280	140	140	4- 12	150	110	4- 18	SD41-0.5
016	40-125(I)A	540	290	150	140	280	125	125	4- 12	150	110	4- 18	SD41-0.5
017	40-160(I)	620	310	150	150	360	160	160	4- 12	150	110	4- 18	SD41-0.5
018	40-160(I)A	585	310	150	150	330	140	140	4- 12	150	110	4- 18	SD41-0.5
019	40-160(I)B	560	310	150	150	330	140	140	4- 12	150	110	4- 18	SD41-0.5
020	40-200(I)	695	370	150	180	440	216	216	4- 12	150	110	4- 18	SD41-0.5
021	40-200(I)A	640	350	150	160	380	190	190	4- 12	150	110	4- 18	SD41-0.5
022	40-200(I)B	620	350	150	160	380	160	160	4- 12	150	110	4- 18	SD41-0.5
023	40-250(I)	810	420	150	195	440	254	254	4- 14	150	110	4- 18	JGD2
024	40-250(I)A	715	420	150	195	440	216	216	4- 14	150	110	4- 18	SD61-0.5
025	40-250(I)B	715	420	150	195	440	216	216	4- 14	150	110	4- 18	SD61-0.5
026	50-100	540	290	150	140	280	125	125	4- 12	165	125	4- 18	SD61-0.5
027	50-100A	540	290	150	140	280	125	125	4- 12	165	125	4- 18	SD61-0.5
028	50-125	555	290	150	140	280	140	140	4- 12	165	125	4- 18	SD61-0.5
029	50-125A	540	290	150	140	280	125	125	4- 12	165	125	4- 18	SD61-0.5
030	50-160	620	310	150	150	360	160	160	4- 12	165	125	4- 18	SD61-0.5
031	50-160A	585	310	150	150	330	140	140	4- 12	165	125	4- 18	SD61-0.5
032	50-160B	560	310	150	150	330	140	140	4- 12	165	125	4- 18	SD61-0.5
033	50-200	695	370	150	180	440	216	216	4- 12	165	125	4- 18	SD61-0.5
034	50-200A	640	350	150	160	380	190	190	4- 12	165	125	4- 18	SD61-0.5
035	50-200B	620	350	150	160	380	160	160	4- 12	165	125	4- 18	SD61-0.5
036	50-250	810	420	150	195	440	254	254	4- 12	165	125	4- 18	JGD2
037	50-250A	715	420	150	195	440	216	216	4- 12	165	125	4- 18	SD61-0.5
038	50-250B	715	420	150	195	440	216	216	4- 12	165	125	4- 18	SD61-0.5

ISWZ, IRZ, GRZ, IHZ, and YZ Series Dimensions and Mounting Dimensions

No.	Model	Overall Dimensions		Mounting Dimensions									Vibration Isolator (Pad)
		L	H	a	h	L ₁	B ₁	B ₂	4-d ₁	D	D ₁	n-d	
039	50-100(I)	555	300	150	140	280	140	140	4- 12	165	125	4- 18	SD41-0.5
040	50-100(I)A	540	300	150	140	280	125	125	4- 12	165	125	4- 18	SD41-0.5
041	50-125(I)	620	330	150	150	360	160	160	4- 12	165	125	4- 18	SD61-0.5
042	50-125(I)A	580	330	150	150	330	140	140	4- 12	165	125	4- 18	SD41-0.5
043	50-160(I)	650	350	150	160	380	190	190	4- 12	165	125	4- 18	SD61-0.5
044	50-160(I)A	650	350	150	160	380	190	190	4- 12	165	125	4- 18	SD61-0.5
045	50-160(I)B	630	350	150	160	360	160	160	4- 12	165	125	4- 18	SD61-0.5
046	50-200(I)	705	395	150	195	440	216	216	4- 14	165	125	4- 18	SD61-0.5
047	50-200(I)A	705	395	150	195	440	216	216	4- 14	165	125	4- 18	SD61-0.5
048	50-200(I)B	705	395	150	195	440	216	216	4- 14	165	125	4- 18	SD41-0.5
049	50-250(I)	810	450	150	220	550	254	254	4- 14	165	125	4- 18	JGD2
050	50-250(I)A	810	450	150	220	550	254	254	4- 14	165	125	4- 18	JGD2
051	50-250(I)B	810	450	150	220	550	254	254	4- 14	165	125	4- 18	JGD2
052	50-315(I)	985	640	150	260	700	318	318	4- 14	165	125	4- 18	JGD3
053	50-315(I)A	880	620	150	240	620	279	279	4- 14	165	125	4- 18	JGD3
054	50-315(I)B	855	620	150	220	620	254	254	4- 14	165	125	4- 18	JGD3
055	65-100	555	300	150	140	280	140	140	4- 12	185	145	4- 18	SD41-0.5
056	65-100A	540	330	150	140	280	125	125	4- 12	185	145	4- 18	SD41-0.5
057	65-125	620	330	150	150	360	160	160	4- 12	185	145	4- 18	SD61-0.5
058	65-125A	580	330	150	150	330	140	140	4- 12	185	145	4- 18	SD41-0.5
059	65-160	650	350	150	160	380	190	190	4- 12	185	145	4- 18	SD61-0.5
060	65-160A	650	350	150	160	380	190	190	4- 12	185	145	4- 18	SD61-0.5
061	65-160B	630	350	150	160	360	160	160	4- 12	185	145	4- 18	SD61-0.5
062	65-200	705	395	150	195	440	216	216	4- 14	185	145	4- 18	SD61-0.5
063	65-200A	705	395	150	195	440	216	216	4- 14	185	145	4- 18	SD61-0.5
064	65-200B	705	395	150	195	440	216	216	4- 14	185	145	4- 18	SD61-0.5
065	65-250	810	450	150	220	550	254	254	4- 14	185	145	4- 18	JGD2
066	65-250A	810	450	150	220	550	254	254	4- 14	185	145	4- 18	JGD2
067	65-250B	810	450	150	220	550	254	254	4- 14	185	145	4- 18	JGD2
068	65-315	985	640	150	260	700	318	318	4- 14	185	145	4- 18	JGD3
069	65-315A	880	620	150	240	620	279	279	4- 14	185	145	4- 18	JGD3
070	65-315B	855	620	150	220	620	254	254	4- 14	185	145	4- 18	JGD3
071	65-100(I)	630	340	160	160	330	160	160	4- 12	185	145	4- 18	SD61-0.5
072	65-100(I)A	590	340	160	160	310	140	140	4- 12	185	145	4- 18	SD61-0.5
073	65-145(I)	710	395	160	195	440	216	216	4- 14	185	145	4- 18	SD61-0.5
074	65-125(I)A	655	375	160	175	380	190	190	4- 14	185	145	4- 18	SD61-0.5
075	65-160(I)	715	410	160	210	440	216	216	4- 14	185	145	4- 18	SD61-0.5
076	65-160(I)A	715	410	160	210	440	216	216	4- 14	185	145	4- 18	SD61-0.5
077	65-160(I)B	715	410	160	210	440	216	216	4- 14	185	145	4- 18	SD61-0.5
078	65-200(I)	820	465	160	240	550	254	254	4- 16	185	145	4- 18	JGD2
079	65-200(I)A	820	465	160	240	550	254	254	4- 16	185	145	4- 18	JGD2
080	65-200(I)B	715	435	160	210	440	216	216	4- 16	185	145	4- 18	SD61-0.5
081	65-250(I)	890	510	160	260	620	279	279	4- 16	185	145	4- 18	JGD2
082	65-250(I)A	865	490	160	240	620	254	254	4- 16	185	145	4- 18	JGD2
083	65-250(I)B	820	490	160	240	550	254	254	4- 16	185	145	4- 18	JGD2
084	65-315(I)	995	590	160	305	700	318	318	4- 16	185	145	4- 18	JGD3
085	65-315(I)A	995	590	160	305	700	318	318	4- 16	185	145	4- 18	JGD3
086	65-315(I)B	995	590	160	305	700	318	318	4- 16	185	145	4- 18	JGD3
087	80-100	630	340	160	160	330	160	160	4- 12	200	160	4- 18	SD61-0.5
088	80-100A	590	340	160	160	310	140	140	4- 12	200	160	4- 18	SD61-0.5
089	80-125	710	395	160	195	440	216	216	4- 14	200	160	4- 18	SD61-0.5
090	80-125A	655	375	160	175	380	190	190	4- 14	200	160	4- 18	SD61-0.5

ISWZ, IRZ, GRZ, IHZ, and YZ Series Dimensions and Mounting Dimensions

No.	Model	Overall Dimensions		Mounting Dimensions									Vibration Isolator (Pad)
		L	H	a	h	L ₁	B ₁	B ₂	4-d ₁	D	D ₁	n-d	
091	80-160	715	410	160	210	440	216	216	4-∅14	200	160	8-18	SD61-0.5
092	80-160A	715	410	160	210	440	216	216	4-∅14	200	160	8-18	SD61-0.5
093	80-160B	715	410	160	210	440	216	216	4-∅14	200	160	8-18	SD61-0.5
094	80-200	820	465	160	240	550	254	254	4-∅16	200	160	8-18	JGD2
095	80-200A	820	465	160	240	550	254	254	4-∅12	200	160	8-18	JGD2
096	80-200B	715	435	160	210	440	216	216	4-∅12	200	160	8-18	SD61-0.5
097	80-250	890	510	160	260	620	279	279	4-∅16	∅200	∅160	8-∅18	JGD2
098	80-250A	860	490	160	240	620	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
099	80-250B	820	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
100	80-315	995	590	160	305	700	318	318	4-∅16	∅200	∅160	8-∅18	JGD3
101	80-315A	995	590	160	305	700	318	318	4-∅16	∅200	∅160	8-∅18	JGD3
102	80-315B	995	590	160	305	700	318	318	4-∅16	∅200	∅160	8-∅18	JGD3
103	80-350	1135	650	160	350	700	406	406	4-∅18	∅200	∅160	8-∅18	JGD3
104	80-350A	1050	630	160	330	700	356	356	4-∅18	∅200	∅160	8-∅18	JGD3
105	80-350B	1010	630	160	330	600	318	318	4-∅18	∅200	∅160	8-∅18	JGD3
106	80-100(I)	705	440	160	210	440	216	216	4-∅16	∅200	∅160	8-∅18	SD61-0.5
107	80-100(I)A	650	420	160	190	360	190	190	4-∅16	∅200	∅160	8-∅18	SD61-0.5
108	80-125(I)	810	470	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
109	80-125(I)A	405	435	160	210	400	216	216	4-∅16	∅200	∅160	8-∅18	JGD2
110	80-160(I)	810	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
111	80-160(I)A	810	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
112	80-160(I)B	810	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
113	80-200(I)	880	510	160	260	620	279	279	4-∅16	∅200	∅160	8-∅18	JGD2
114	80-200(I)A	855	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
115	80-200(I)B	810	490	160	240	550	254	254	4-∅16	∅200	∅160	8-∅18	JGD2
116	80-250(I)	989	600	160	320	730	318	318	4-∅18	∅200	∅160	8-∅18	JGD2
117	80-250(I)A	989	600	160	320	730	318	318	4-∅18	∅200	∅160	8-∅18	JGD2
118	80-250(I)B	989	600	160	320	730	318	318	4-∅18	∅200	∅160	8-∅18	JGD2
119	80-315(I)	1190	690	160	380	900	457	457	4-∅18	∅200	∅160	8-∅18	JGD3
120	80-315(I)A	1120	660	160	350	900	406	406	4-∅18	∅200	∅160	8-∅18	JGD3
121	80-315(I)B	1035	640	160	330	800	356	356	4-∅18	∅200	∅160	8-∅18	JGD3
122	100-100	705	440	160	210	400	216	216	4-∅16	∅220	∅180	8-∅18	SD61-0.5
123	100-100A	650	420	160	190	360	190	190	4-∅16	∅220	∅180	8-∅18	SD61-0.5
124	100-125	810	470	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
125	100-125A	705	435	160	210	400	216	216	4-∅16	∅220	∅180	8-∅18	JGD2
126	100-160	810	490	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
127	100-160A	810	490	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
128	100-160B	810	490	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
129	100-200	880	510	160	260	620	279	279	4-∅16	∅220	∅180	8-∅18	JGD2
130	100-200A	855	490	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
131	100-200B	810	490	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
132	100-250	985	600	160	320	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD2
133	100-250A	985	600	160	320	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD2
134	100-250B	985	600	160	320	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD2
135	100-315	1190	690	160	380	900	457	457	4-∅18	∅220	∅180	8-∅18	JGD3
136	100-315A	1120	660	160	350	900	406	406	4-∅18	∅220	∅180	8-∅18	JGD3
137	100-315B	1035	640	160	330	800	356	356	4-∅18	∅220	∅180	8-∅18	JGD3
138	100-350	1255	720	160	420	900	457	457	4-∅18	∅220	∅180	8-∅18	JGD3
139	100-350A	1205	720	160	420	900	457	457	4-∅18	∅220	∅180	8-∅18	JGD3
140	100-350B	1205	720	160	420	900	457	457	4-∅18	∅220	∅180	8-∅18	JGD3
141	100-100(I)	810	460	160	220	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
142	100-125(I)	810	480	160	250	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2

ISWZ, IRZ, GRZ, IHZ, and YZ Series Dimensions and Mounting Dimensions

No.	Model	Overall Dimensions		Mounting Dimensions									Vibration Isolator (Pad)
		L	H	a	h	L ₁	B ₁	B ₂	4-d ₁	D	D ₁	n-d	
143	100-125(I)A	810	480	160	250	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
144	100-160(I)	880	500	160	260	620	279	279	4-∅16	∅220	∅180	8-∅18	JGD2
145	100-160(I)A	855	480	160	240	550	254	254	4-∅16	∅220	∅180	8-∅18	JGD2
146	100-200(I)	985	580	160	300	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD2
147	100-200(I)A	985	580	160	300	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD2
148	100-200(I)B	920	560	160	280	620	278	278	4-∅18	∅220	∅180	8-∅18	JGD2
149	100-250(I)	1120	640	160	320	900	406	406	4-∅18	∅220	∅180	8-∅18	JGD3
150	100-250(I)A	1035	620	160	300	800	356	356	4-∅18	∅220	∅180	8-∅18	JGD3
151	100-250(I)B	995	600	160	300	730	318	318	4-∅18	∅220	∅180	8-∅18	JGD3
152	125-160	1005	560	180	260	730	318	318	4-∅18	∅250	∅210	8-∅18	JGD2
153	125-160A	900	540	180	240	620	279	279	4-∅18	∅250	∅210	8-∅18	JGD2
154	125-200	1045	600	180	300	800	356	356	4-∅18	∅250	∅210	8-∅18	JGD2
155	125-200A	1005	580	180	280	730	318	318	4-∅18	∅250	∅210	8-∅18	JGD2
156	125-200B	1005	580	180	280	730	318	318	4-∅18	∅250	∅210	8-∅18	JGD2
157	125-250	1210	680	180	350	800	457	457	4-∅18	∅250	∅210	8-∅18	JGD3
158	125-250A	1140	650	180	330	800	406	406	4-∅18	∅250	∅210	8-∅18	JGD3
159	125-250B	1055	650	180	330	800	356	356	4-∅18	∅250	∅210	8-∅18	JGD3
160	125-315	1360	770	180	390	1000	508	508	4-∅18	∅250	∅210	8-∅18	JGD4
161	125-315A	1260	740	180	360	900	457	457	4-∅18	∅250	∅210	8-∅18	JGD4
162	125-315B	1210	740	180	360	800	457	457	4-∅18	∅250	∅210	8-∅18	JGD4
163	125-350	1465	780	180	420	1000	508	508	4-∅18	∅250	∅210	8-∅18	JGD4
164	125-350A	1410	780	180	420	1000	508	508	4-∅18	∅250	∅210	8-∅18	JGD4
165	125-350B	1275	780	180	420	900	457	457	4-∅18	∅250	∅210	8-∅18	JGD4
305	D150-250	900	620	180	280	550	254	254	4-∅16	∅285	∅240	8-∅22	JGD2
306	125-250A	855	620	180	280	500	254	254	4-∅16	∅285	∅240	8-∅22	JGD2
307	D150-250B	800	620	180	280	450	216	216	4-∅16	∅285	∅240	8-∅22	JGD2
308	D150-315	965	700	180	320	600	279	279	4-∅18	∅285	∅240	8-∅22	JGD2
309	150-315A	925	700	180	320	600	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
310	150-315B	900	700	180	320	550	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
311	150-400	1045	750	180	350	700	356	356	4-∅18	∅285	∅240	8-∅22	JGD3
312	150-400A	1030	750	180	350	700	318	318	4-∅18	∅285	∅240	8-∅22	JGD3
313	150-400B	1030	750	180	350	700	318	318	4-∅18	∅285	∅240	8-∅22	JGD3
314	150-200(I)	895	620	180	280	550	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
315	120-200(I)A	850	620	180	280	500	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
316	120-250(I)	925	620	180	280	600	279	279	4-∅18	∅285	∅240	8-∅22	JGD2
317	120-250(I)A	900	620	180	280	550	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
318	120-250(I)B	855	620	180	280	500	254	254	4-∅18	∅285	∅240	8-∅22	JGD2
319	150-315(I)	1030	700	180	320	700	318	318	4-∅18	∅285	∅240	8-∅22	JGD3
320	150-315(I)A	965	700	180	320	600	279	279	4-∅18	∅285	∅240	8-∅22	JGD3
321	150-315(I)B	925	700	180	320	600	254	254	4-∅18	∅285	∅240	8-∅22	JGD3
322	150-400(I)	1070	750	180	350	700	356	356	4-∅18	∅285	∅240	8-∅22	JGD3
323	150-400(I)A	1045	750	180	350	700	356	356	4-∅18	∅285	∅240	8-∅22	JGD3
324	150-400(I)B	1030	750	220	350	700	318	318	4-∅18	∅285	∅240	8-∅22	JGD3
325	200-200	930	620	220	280	550	254	254	4-∅18	∅340	∅295	8-∅22	JGD2
326	200-200A	890	620	220	280	500	254	254	4-∅18	∅340	∅295	8-∅22	JGD2
327	200-250	965	620	220	280	600	279	279	4-∅18	∅340	∅295	8-∅22	JGD2
328	200-250A	940	620	220	280	550	254	254	4-∅18	∅340	∅295	8-∅22	JGD2
329	200-250B	895	620	220	280	500	254	254	4- 18	340	295	8- 22	JGD2
330	200-315	1070	700	220	320	700	318	318	4- 18	340	295	8- 22	JGD3
331	200-315A	1005	700	220	320	600	279	279	4- 18	340	295	8- 22	JGD3
332	200-315B	965	700	220	320	600	254	254	4- 18	340	295	8- 22	JGD3

ISWZ, IRZ, GRZ, IHZ, and YZ Series Dimensions and Mounting Dimensions

No.	Model	Overall Dimensions		Mounting Dimensions									Vibration Isolator (Pad)
		L	H	a	h	L ₁	B ₁	B ₂	4-d ₁	D	D ₁	n-d	
333	200-400	1110	750	220	350	700	356	356	4- 18	340	295	12- 22	JGD3
334	200-400A	1085	750	220	350	700	356	356	4- 18	340	295	12- 22	JGD3
335	200-400B	1070	750	220	350	700	318	318	4- 18	340	295	12- 22	JGD3
336	200-200(I)	1020	710	220	330	700	279	279	4- 18	340	295	12- 22	JGD2
337	200-200(I)A	980	710	220	330	700	279	279	4- 18	340	295	12- 22	JGD2
338	200-250(I)	1085	750	220	350	700	318	318	4- 18	340	295	12- 22	JGD3
339	200-250(I)A	1020	750	220	350	700	279	279	4- 18	340	295	12- 22	JGD3
340	200-250(I)B	980	750	220	350	700	279	279	4- 18	340	295	12- 22	JGD3
341	200-315(I)	1210	790	220	370	800	406	406	4- 22	340	295	12- 22	JGD3
342	200-315(I)A	1125	790	220	370	700	356	356	4- 22	340	295	12- 22	JGD3
343	200-315(I)B	1100	790	220	370	700	356	356	4- 22	340	295	12- 22	JGD3
344	200-400(I)	1330	810	220	370	900	457	457	4- 22	340	295	12- 22	JGD3
345	200-400(I)A	1280	810	220	370	900	457	457	4- 22	340	295	12- 22	JGD3
346	200-400(I)B	1210	810	220	370	800	406	406	4- 22	340	295	12- 22	JGD3
347	250-250	1145	850	240	350	700	356	356	4- 22	405	355	12- 26	JGD3
348	250-250A	1120	850	240	350	700	356	356	4- 22	405	355	12- 26	JGD3
349	250-315	1300	900	240	370	800	457	457	4- 22	405	355	12- 26	JGD4
350	250-315A	1230	900	240	370	800	406	406	4- 22	405	355	12- 26	JGD4
351	250-315B	1145	900	240	370	700	356	356	4- 22	405	355	12- 26	JGD4
352	250-400	1460	990	240	390	1000	508	508	4- 22	405	355	12- 26	JGD4
353	250-400A	1350	990	240	390	900	457	457	4- 22	405	355	12- 26	JGD4
354	250-400B	1300	990	240	390	850	457	457	4- 22	405	355	12- 26	JGD4
355	300-235	1400	1010	260	410	900	457	457	4- 22	460	410	12- 26	JGD3
356	300-235A	1350	1000	260	400	850	457	457	4- 22	460	410	12- 26	JGD3
357	300-300	1510	1075	260	400	1000	508	508	4- 22	460	410	12- 26	JGD4
358	300-300A	1510	1075	260	400	1000	508	508	4- 22	460	410	12- 26	JGD4
359	300-300B	1400	1075	260	400	900	457	457	4- 22	460	410	12- 26	JGD4
360	300-380	1560	1140	260	440	1000	508	508	4- 22	460	410	12- 26	JGD4
361	300-380A	1560	1140	260	440	1000	508	508	4- 22	460	410	12- 26	JGD4
362	300-380B	1560	1140	260	440	1000	508	508	4- 22	460	410	12- 26	JGD4
363	350-250	1550	990	280	440	1000	508	508	4- 22	520	470	12- 26	JGD4
364	350-250A	1440	990	280	400	1000	457	457	4- 22	520	470	12- 26	JGD4
365	350-315	1600	1000	280	420	1200	508	508	4- 22	520	470	12- 26	JGD4
366	350-315A	1550	1000	280	420	1000	508	508	4- 22	520	470	12- 26	JGD4
367	350-315B	1550	1000	280	420	1000	508	508	4- 22	520	470	12- 26	JGD4
368	350-400	1750	1160	280	460	1300	610	610	4- 22	520	470	12- 26	JGD4
369	350-400A	1600	1160	280	460	1200	508	508	4- 22	520	470	12- 26	JGD4
370	350-400B	1600	1160	280	460	1200	508	508	4- 22	520	470	12- 26	JGD4
371	400-400	1490	950	320	450	1000	457	457	4- 22	580	525	12- 30	JGD4
372	400-400A	1440	950	320	450	1000	457	457	4- 22	580	525	12- 30	JGD4
373	400-500	1650	1080	320	480	1200	508	508	4- 22	580	525	12- 30	JGD4
374	400-500A	1600	1080	320	480	1200	508	508	4- 22	580	525	12- 30	JGD4
375	400-500B	1490	1080	320	480	1000	457	457	4- 22	580	525	12- 30	JGD4
376	400-625	1650	1280	320	520	1200	508	508	4- 22	580	525	12- 30	JGD4
377	400-625A	1650	1280	320	520	1200	508	508	4- 22	580	525	12- 30	JGD4
378	400-625B	1650	1280	320	520	1200	508	508	4- 22	580	525	12- 30	JGD4
379	500-400	1730	1480	380	580	1300	508	508	4- 22	715	650	12- 33	JGD4
380	500-400A	1620	1480	380	580	1200	457	457	4- 22	715	650	12- 33	JGD4
381	500-500	1780	1530	380	620	1300	508	508	4- 22	715	650	12- 33	JGD4
382	500-500A	1780	1530	380	620	1300	508	508	4- 22	715	650	12- 33	JGD4
383	500-500B	1730	1530	380	620	1300	508	508	4- 22	715	650	12- 33	JGD4
384	500-625	1850	1700	380	720	1400	610	610	4- 22	715	650	12- 33	JGD4
385	500-625A	1780	1650	380	720	1300	508	508	4- 22	715	650	12- 33	JGD4
386	500-625B	1780	1650	380	720	1300	508	508	4- 22	715	650	12- 33	JGD4

Installation Instructions

1. Before installation, inspect the pump and motor for damage and check the pump flow path for any hard objects (such as stones or iron particles) that could affect pump operation, to prevent damage to the impeller and pump body during operation.
2. During installation, the weight of the piping should not be borne by the pump; each component should have its own support structure to prevent deformation of the pump, which could affect its performance and service life.
3. The pump and motor are an integrated unit; no alignment is required during installation, making installation very convenient.
4. When pumping hot liquids, to prevent the pump from bearing the thermal deformation of the piping, the foot bolts of the pump base may be left unfastened. This allows the pump to move in tandem with the piping system as it expands and contracts due to temperature changes.
5. The flange specifications at both ends of the pump body are determined according to the 1.6 MPa standard; therefore, the piping should be of the same specification when connected.
6. To prevent impurities from entering the pump and clogging the flow passages—which could impair performance—a strainer with a cross-sectional area 3–4 times that of the suction pipe should be installed upstream of the pump inlet.
7. When the pump is used in applications requiring suction lift, a foot valve must be installed, and the inlet and outlet piping should not have excessive bends; furthermore, there must be no water or air leaks.
8. For ease of maintenance and operational safety, install a control valve on both the pump's inlet and outlet piping, and install a pressure gauge near the pump outlet to ensure the pump operates within its rated range, thereby guaranteeing normal operation and extending its service life.
9. After installation, manually rotate the pump shaft; the impeller should rotate freely without friction or binding.

Start-up, Operation, and

(I) Start-up and Operation:

1. Prime the pump to remove air. Open the inlet valve to allow sufficient liquid to enter the pump chamber until the entire piping system is filled with liquid, and ensure the inlet piping is properly sealed.
2. Close the discharge valve to reduce the starting current.
3. Connect the power supply and press the start button to verify the correct direction of rotation; viewed from the impeller end of the motor, the rotation should be clockwise.
4. Gradually adjust the outlet valve opening to ensure the pump operates as close as possible to its rated conditions.
5. If noise or unusual sounds are detected while the pump is running, stop the pump immediately and inspect it.
6. Normal mechanical seal leakage should be less than 3 drops per minute; if this value is exceeded, investigate the cause.

(II) Shutdown:

1. Close the valve on the impeller discharge line.
2. Disconnect the power supply and stop the motor.
3. Close the inlet valve.
4. If the pump will be out of service for an extended period, drain all liquid from the pump.

Maintenance and Service

(I) Maintenance and Care During Operation:

1. The suction piping must be completely sealed.
2. Do not allow the pump to operate under cavitation conditions for extended periods.
3. Do not allow the motor to operate at excessive current for extended periods when the pump is running at high flow rates.
4. Check the motor current regularly during pump operation and ensure the pump operates within standard parameters as much as possible.
5. A designated person must supervise the pump during operation to prevent accidents.
6. Lubricate the bearings every 500 hours of pump operation. Pumps with a motor power greater than 11 kW are equipped with a lubrication system; use a high-pressure oil gun to inject lubricant directly to ensure proper bearing lubrication.
7. After prolonged operation, if mechanical wear causes increased noise or vibration in the unit, shut down the pump for inspection. Replace wear-prone parts and bearings as necessary. The unit generally requires a major overhaul once a year.

(II) Mechanical Seal Maintenance and Care:

1. The lubricant for the mechanical seal must be clean and free of solid particles.
2. It is strictly prohibited to operate the mechanical seal under dry-running conditions.
3. Before startup, manually rotate the pump (motor) several times to prevent sudden startup from causing the seal rings to fracture or become damaged.

Troubleshooting: Causes and Remedies

Fault Phenomenon	Cause	Remedy
1. The pump is not delivering water	a. Inlet and outlet valves are not open; inlet or outlet piping is blocked; the flow path or impeller is clogged. b. The motor is running in the wrong direction; if a phase is missing, the motor speed is very slow. c. Air is leaking into the suction pipe. d. The pump is not fully primed; there is air in the pump chamber. e. Insufficient water supply at the inlet, excessive suction lift, or a leaking foot valve. f. Excessive pipeline resistance; the pump was improperly sized.	a. Inspect and remove any obstructions. b. Adjust the motor rotation direction and tighten the motor wiring. c. Tighten all sealing surfaces to eliminate air leaks. d. Fill with liquid and open the air vent to purge all air. e. Shut down the machine, inspect, and adjust (this issue is common when connected to a municipal water supply or when operating with suction lift). f. Reduce the number of bends in the piping and select a different pump.
2. Insufficient pump flow	a. First, check according to 1. Causes. b. Partial blockage in the pipeline, pump flow path, or impeller; scale buildup; valve not fully open is insufficient. c. Low voltage. d. Impeller wear.	a. Refer to Step 1: Troubleshooting b. Remove any blockages and readjust the valve opening. c. Stabilize the pressure. d. Replace the impeller.
3. Excessive power consumption	a. Operating above the rated flow rate. b. Suction head is too high. c. Pump bearing wear.	a. Adjust the flow rate by partially closing the outlet valve. b. Reduce the flow rate. c. Replace the bearings.
4. Noise and vibration	a. The piping is not properly supported. b. Gas is mixed with the liquid. c. Vapor entrainment. d. Bearing damage. e. The motor is overloaded and running hot.	a. Secure the piping. b. Increase the suction pressure to vent air. c. Reduce the vacuum level. d. Replace the bearings. e. Adjust according to step 5.
5. Motor overheating	a. Excessive flow rate; overloaded operation. b. Friction or contact. c. Damaged motor bearings. d. Insufficient voltage.	a. Close the outlet valve slightly. b. Inspect and troubleshoot. c. Replace the bearings. d. Stabilize the pressure.
6. Water pump leakage	a. Mechanical seal wear. b. Sand holes or cracks in the pump body. c. Uneven sealing surfaces. d. Loose mounting bolts.	a. Replace. b. Repair by welding or replace. c. Repair. d. Tighten.

Wear-prone Parts (Mechanical Seal and Bearing)

Motor Power	Mechanical Seal Specifications	Bearing Specifications
0.18 kW, 0.12 kW	WM108-12	201
0.25 kW, 37 kW	WM108-14	202
0.55 kW, 0.75 kW, 1.1 kW (2-stage)	WM108-18	46204, 180204W1
1.1 kW (4-pole), 1.5 kW	WM108-20	46205, 180205W1
2.2 kW (2-stage)	KM112-25	46205, 180205W1
2.2 kW (4-pole), 3 kW	KM112-25	46206, 180206W1
4 kW	KM112-25	46304, 180306W1
5.5 kW, 7.5 kW	KM112-25	46308, 180308W1
11KW, 15KW, 18.5KW (2-stage)	KM112-35	46309, 309W1
22 kW (2-stage)	KM112-35	46311, 311W1
18.5 kW, (4-stage), 22 kW (2-stage)	KM112-45	46311, 311W1

Motor Power	Mechanical seal specifications	Bearing Specifications
30 kW (2-pole), 37 kW (2-pole)	KM112-35	46313, 313W1
30 kW (4-pole)	KM112-45	46314, 314W1, 46317, 3.721
37 kW (4-pole), 45 kW	KM112-45	46312, 312W1
55 kW, 75 kW (2-pole), 90 kW (2-pole), 37 kW (6-pole)	KM112-45	46317, 317W1
15 kW (4-pole), 45 kW (6-pole), 55 kW (6-pole),	KM112-75	46317, 317W1
100 kW (2-pole)	KM112-55	46316, 316W1
75 kW (6-pole), 90 kW (6-pole), 110 kW (4-, 6-pole), 132 kW (4-, 6-pole), 160 kW (4-pole)	KM112-75	46319, 46319W1
Note: If the number of poles is not specified after the motor power rating, it refers to 2-pole or 4-pole motors		