



# ISG

## VERTICAL INLINE CENTRIFUGAL PUMP



### Hong Kong Yaness Industrial Limited

Address: 12/F, San Toi Building, 137-139 Connaught Road  
Central, Hong Kong  
Tel: +00852 2139 3077  
Fax: +00852 2139 3217  
[Http://www.yaness.cn](http://www.yaness.cn)  
E-mail: sales@yaness.cn



*Hong Kong Yaness Industrial Limited*



Survive by quality, development by credit, and efficiency by management.



Gobi desert into oases. Dry desert into farmlands.

# Company Profile

## Content



Model Meaning

**Hong Kong Yaness Industrial Limited** is a professional manufacturer which develops, manufactures and sells water treatment equipment. Involves in water pump, valve, pipe fitting and control cabinet.

YANESS is developed from former a small pumps manufacturer at Ruhr Industrial Base, Germany was founded in 1948, but moved to Hong Kong in 1981. Through the development over 30 years, YANESS has formed a complete industrial chain of water treatment equipment, and set up a string of manufacturers in Mainland China, such as Shanghai industrial park, Wenzhou industrial park with the occupying area of almost 180,000 square meters and the production area of 15,000 square meters. Moreover, YANESS with over than 2000 employees spread around the China and the world and have 23 Country Dealers at present.

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## Overview

Model ISG single-stage single-suction vertical centrifugal pump is a high-effective energy-saving product successfully designed by means of adopting the property data of IS model centrifugal pump and the unique merits of vertical pump and strictly in accordance with ISO2858 world standard and the latest national standard and an ideal product to replace IS horizontal pump, DL model pump etc. ordinary pumps.

The flow range is 1.5~2400m<sup>3</sup>/h and the stroke range 8-150m and there are basic type, bypass type, A B C cutting type etc. more than 250 specifications. And per the different flow medium and temperature, IRG hot-water pump, IHG chemical pump and YG oil pump and IHGB vertical non-explosive chemical pump. etc. Series products. of the same type and same property data have been designed and made.

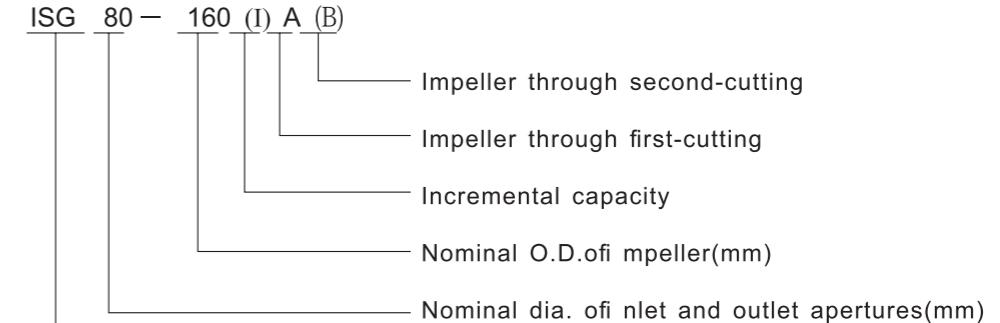
## Features

1. Compact structure, small volume, beautiful outlook. The lower barycenter of the vertical structure which coincides with the center of the pump feet strengthens the stability of running and the duration.
2. Easy to mount. Because of the same apertures of both inlet and outlet which also locate on the same central line, the pump can be directly mounted on any part of the pipeline just as a valve. The motor is covered with a rainproof cap so that operation can be done outdoors. Mounting feet are equipped with the pump so that it can be stable mounted.
3. Stable running, low noise, high concentricity of components. Bearings of low noise are used for the motor, the impellers are of best dynamic and static balance, no vibration at running and the environment thus being improved.
4. No leakage. The shaft is mechanical sealed with carbide alloy wearable material, settling the serious leakage of the filling seal of a centrifugal pump, extending the duration and ensuring the operation place clean and tidy.
5. Easy to maintain. Not necessary to remove the pipeline for check-out and maintenance, only to take out the nuts on the pump lid, the motor and the driving components.
6. The pump, according to the operation condition of the work site, may be vertically, horizontally etc. multi way mounted and also according to the requirements for the flow and stroke, mounted in parallel and/or in series to increase the needed flow and stroke.

## Working conditions

1. Max. Working pressure of pump system is 1.6MPa, that is to say the pressure at the suction the stroke 1.6MPa, the pressure in static tests is 2.5MPa, please notify the pressure for the system at work when ordering and it should be otherwise noted if the said pressure is larger than 1.6MPa so as to use cast steel material for the over-flow and joint parts.
2. Proper medium: the medium for pure-water pumps should have no corrosive liquid and the volume of non-melting medium solid should not be over 0.1% of the unit volume and the graininess less than 0.2mm. Please notify at order if the medium to be used with small grain.
3. No larger than 40 of the ambient temperature, no higher than 1000m of the above-sea level and no more than 95% of the relative humidity.

## Model meaning



ISG centrifugal pump

IRG hot-water pump

IHG chemical pump

YG non-explosive oil pump

IHGB non-explosive chemical pump

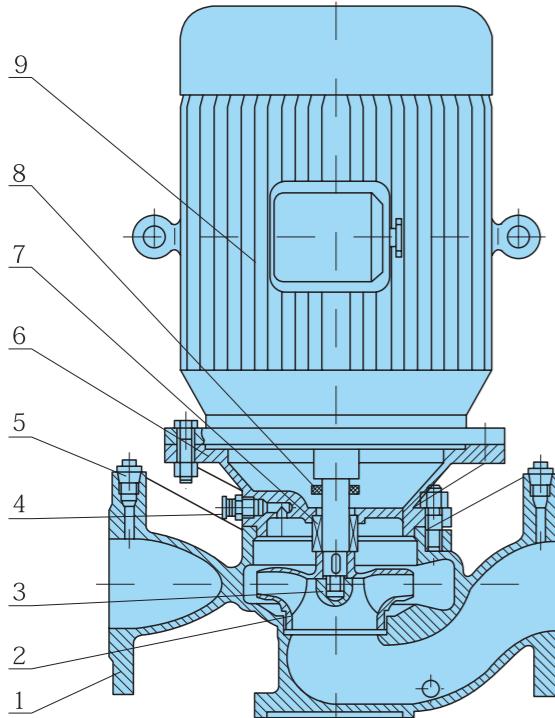
ISGD low speed centrifugal pump

## Major purpose

1. ISG series vertical centrifugal pump is used to transport pure-water and other liquids, the physical properties of which are similar to those of pure-water, in industrial and cities' water supply and drainage, high buildings' booster water supply, gardens irrigation, fire-fighting booster, remote water supply, warming systems, circular booster of cold&hot water in bath rooms as well as in complections of equipments, the operation medium temperature is below 80 °C.
2. IRG series vertical hot-water pump is used for the warming hot-water booster circular system and the heat transport system of production technology in the units where heat-supply systems are available, such as the power station, thermal power station, residual heat utilization, metallurgy, chemistry, textile, wood-processing, paper-making etc. industrial boilers' high-temperature hot-water, the operation temperature is below 120°C .
3. IHG series vertical chemical pump is used to transport the liquids containing no solid grain, corrosive and the viscosity of which is similar to water or the departments of light&textile industry, petroleum, chemical industry, metallurgy, electricity, paper-making, food, medicine etc., the operation temperature is 20°C-120°C .
4. YG series vertical non-explosive oil pump is used to light&textile, chemical, mechanical etc., industries to transport non-corrosive, flammable, explosive liquids, the medium temperature is -20 120 and density less than 1000kg/m<sup>3</sup>.
5. IHGB series vertical non-explosive chemical pump is used to transport the liquids containing no solid grain, corrosive and the viscosity of which is similar to water for the department of light&textile industry, petroleum, chemical industry, metallurgical industry, mining, medicine and synthetic fibre etc. the operation temperature is 20°C- 120°C .

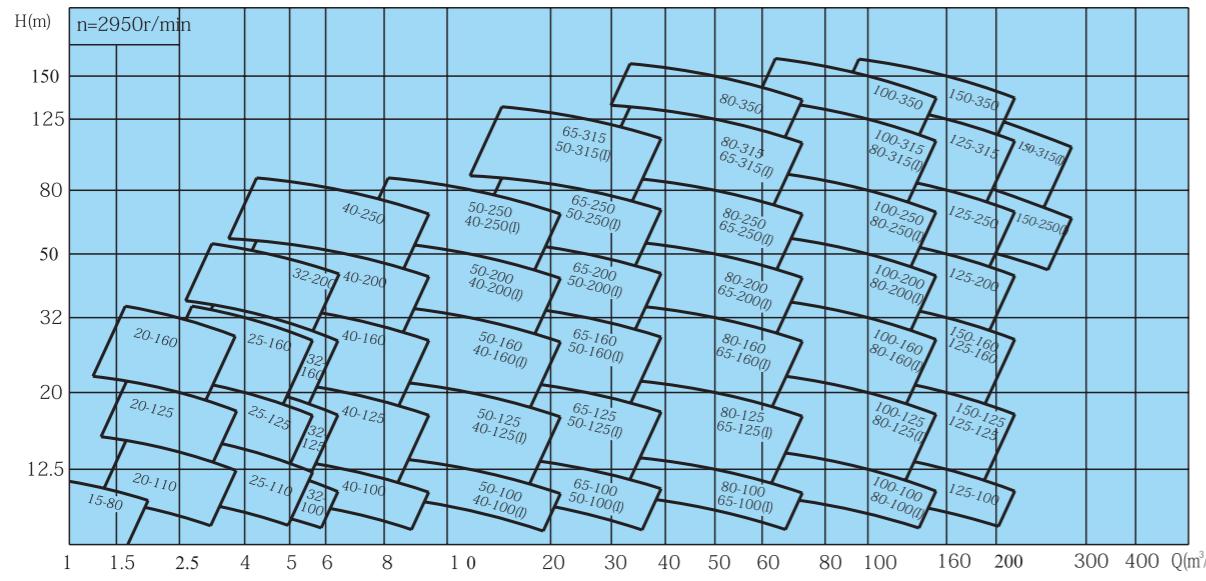
## VERTICAL INLINE CENTRIFUGAL PUMP

### Structure description

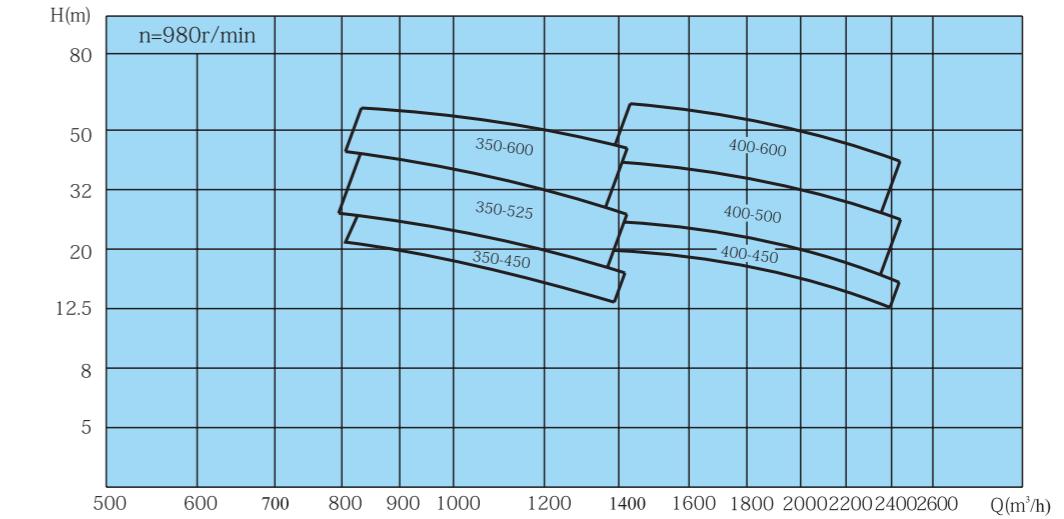
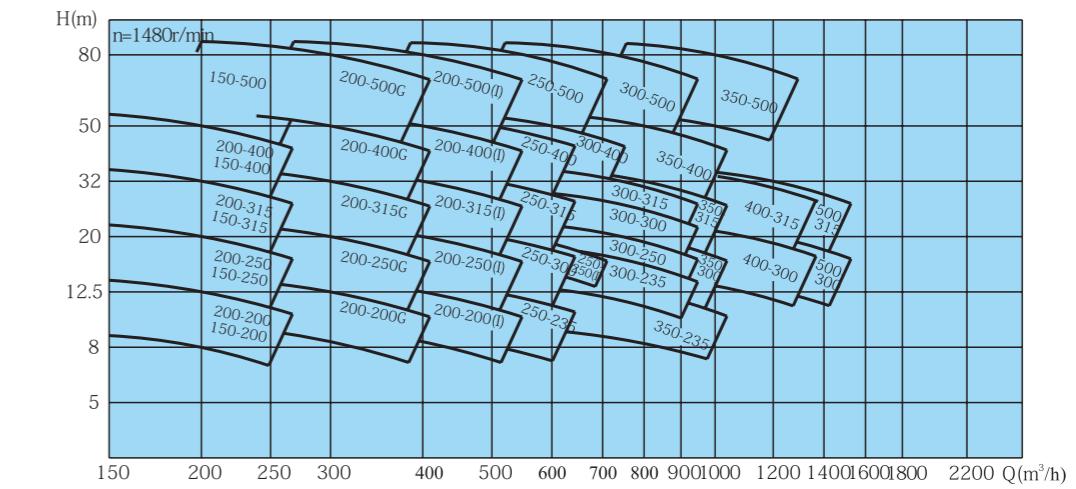


No.	Name	Quantity
1	Pump casing	1
2	Impeller	1
3	Impeller nut	1
4	Air discharge valve	1
5	Plug	3
6	Pump cover	1
7	Mechanical seal	1
8	Water-blocking ring	1
9	Motor	1

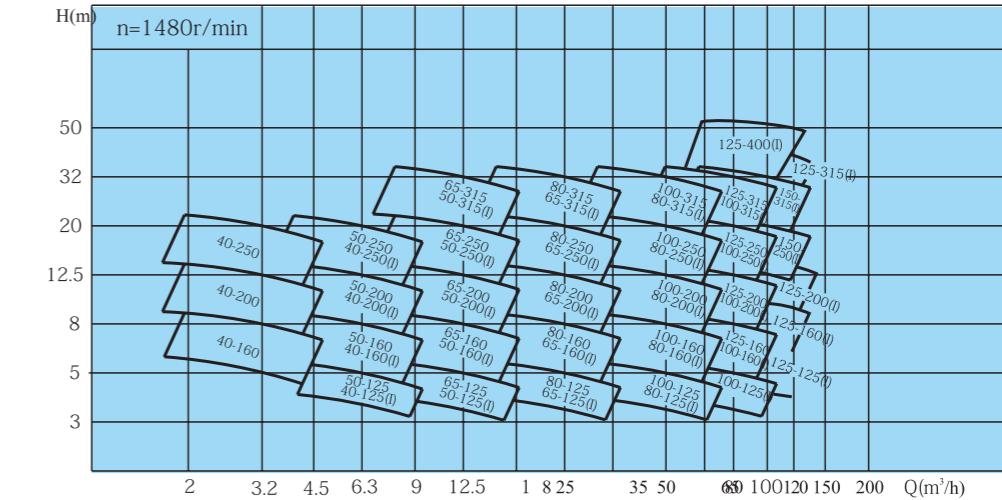
### Curves of ISG



## VERTICAL INLINE CENTRIFUGAL PUMP



### Curves of ISGD



## VERTICAL INLINE CENTRIFUGAL PUMP

**Performance parameter diagram**

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
15-80	1.1 1.5 2	0.3 0.42 0.56	8.5 8 7	0.18	2800	32.1	2.3	20
20-110	1.8 2.5 3.3	0.5 0.69 0.91	16 15 13.5	0.37	2800	32.4	2.3	25
20-125	1.8 2.5 3.3	0.5 0.69 0.91	21 20 18.6	0.75	2800	28.1	2.3	35
20-160	1.8 2.5 3.3	0.5 0.69 0.91	33 32 30	1.5	2950	18.8	2.3	38
25-110	2.8 4 5.2	0.78 1.11 1.44	16 15 13.5	0.55	2950	41.2	2.3	31
25-125	2.8 4 5.2	0.78 1.11 1.44	20.5 20 18	0.75	2950	37.5	2.3	35
25-125A	2.5 3.6 4.6	0.39 1 1.28	17 16 14.5	0.75	2950	36.6	2.3	35
25-160	2.8 4 5.2	0.78 1.11 1.44	33 32 30	1.5	2950	29.9	2.3	44
25-160A	2.6 3.7 4.9	0.72 1.03 1.36	29 28 26	1.1	2950	29.0	2.3	40
32-100	3.5 4.5 5.3	0.97 1.24 1.47	14.5 12.5 11	0.55	2950	45.9	2.3	35
32-125	3.5 5 6.5	0.97 1.39 1.8	22 20 18	1.1	2950	42.2	2.3	38
32-125A	3.1 4.5 5.8	0.86 1.25 1.61	20 16 10	0.75	2950	41.2	2.3	37
32-160	3.5 4.5 6	0.97 1.25 1.67	34 32 26	1.5	2950	32.8	2.3	49
32-160A	3.5 4.5 6	0.97 1.25 1.67	26.5 25 19	1.1	2950	31.8	2.3	43
32-200	3.5 4.5 5.5	0.97 1.25 1.53	53 50 45	3	2950	23.8	2.3	68
32-200A	3 4 5	1.08 1.11 1.17	43 40 37	2.2	2950	22.9	2.3	58
40-100	4.4 6.3 8.3	1.22 1.75 2.31	13.2 12.5 11.5	0.55	2950	51.7	2.3	36
40-100A	3.9 5.6 7.4	1.08 1.56 2.06	10.5 10 9	0.55	2950	50.7	2.3	37
40-125	4.4 6.3 8.3	1.22 1.75 2.31	21 20 18	1.1	2950	46.0	2.3	45
40-125A	3.9 5.6 7.4	1.08 1.56 2.06	17.5 16 14.5	0.75	2950	45.0	2.3	38
40-160	4.4 6.3 8.3	1.22 1.75 2.31	33 32 30	2.2	2950	39.6	2.3	52
40-160A	4.1 5.9 7.5	1.14 1.64 2.08	29 28 26.5	1.5	2950	38.7	2.3	42
40-160B	3.8 5.5 7.0	1.06 1.53 1.94	25.5 24 21.5	1.1	2950	37.7	2.3	35

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
40-200	4.4 6.3 8.3	1.22 1.75 2.31	51 50 48	4	2950	31.6	2.3	79
40-200A	4.1 5.9 7.8	1.14 1.64 2.17	45 44 42	4	2950	30.7	2.3	67
40-200B	3.7 5.3 7	1.03 1.47 1.94	38 36 34.5	3	2950	29.7	2.3	57
40-250	4.4 6.3 8.3	1.22 1.75 2.31	82 80 74	7.5	2950	21.4	2.3	123
40-250A	4.1 5.9 7.8	1.14 1.64 2.17	72 70 65	5.5	2950	20.4	2.3	115
40-250B	3.8 5.5 7	1.06 1.53 1.94	61.5 60 56	5.5	2950	19.5	2.3	104
40-100(I)	8.8 12.5 16.3	2.44 3.47 4.53	13.2 12.5 11.3	1.1	2950	61.2	2.3	40
40-100(I)A	8 11 15	2.22 3.05 4.03	10.6 10 9	0.75	2950	60.2	2.3	38
40-125(I)	8.8 12.5 16.3	2.44 3.47 4.53	21.2 20 17.5	1.5	2950	57.1	2.3	47
40-125(I)A	8 11 15	2.22 3.05 4.17	17 16 14	1.1	2950	56.1	2.3	40
40-160(I)	8.8 12.5 16.3	2.44 3.47 4.53	33 32 30	3	2950	51.4	2.3	67
40-160(I)A	8.2 12.5 16.3	2.28 3.33 4.22	29 28 26	2.2	2950	50.4	2.3	56
40-160(I)B	7.3 10 14	2.03 2.78 3.89	23 22 20.5	2.2	2950	49.5	2.3	53
40-200(I)	8.8 12.5 16.3	2.44 3.47 4.53	51.2 50 48	5.5	2950	45.3	2.3	110
40-200(I)A	8.3 11.6 15.2	2.28 3.22 4.22	49 48 46	5.5	2950	45.3	2.3	100
40-200(I)B	7.3 10 14	2.03 2.78 3.89	36 35 34	5.5	2950	45.3	2.3	90
40-250(I)	8.8 12.5 16.3	2.44 3.47 4.53	80 79 77.5	7.5	2950	35.0	2.3	118
40-250(I)A	8.8 12.5 16.3	2.28 3.22 4.22	71.5 70 68	11	2950	36.9	2.3	175
40-250(I)B	7.6 10.8 14	2.11 3 3.89	61.5 60 58	7.5	2950	35.0	2.3	118
40-100(I)	17.5 25 32.5	4.86 6.94 9.03	13.5 12.5 10.5	1.5	2950	67.4	2.5	55
40-100(I)A	15.6 22.3 29	4.3 5.5 8.1	11 10 8.5	1.1	2950	66.4	2.5	48
40-100(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	59.9	2.5	60
40-125(I)	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-125(I)A	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-125(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-160(I)	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-160(I)A	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-160(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-200(I)	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-200(I)A	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-200(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-250(I)	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-250(I)A	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-250(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	65.9	2.5	68
40-100(I)	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	71.1	3	74
40-100(I)A	17.5 25 32.5	4.86 6.94 9.03	21.5 20 18	3	2950	70.1	3	64
40-100(I)B	17.5 25 32.5	4.86 6.94 9.03	21.5 20					

## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
65-160(I)A	32.7 47 61	9.1 13 16.9	30.6 28 24	7.5	2950	68.7	3	108
65-160(I)B	30.3 43.3 56.3	8.4 12 15.6	26 24 21	5.5	2950	67.7	3	88
65-200(I)	35 50 65	9.72 13.9 18.1	53.5 50 46	15	2950	65.8	3	190
65-200(I)A	32.8 47 61	9.1 13.3 16.9	47 40 40	11	2950	64.9	3	180
65-200(I)B	30.5 43.5 56.3	8.5 12.1 15.7	40.6 36 33.4	11	2950	63.9	3	130
65-250(I)	35 50 65	9.75 13.9 18.1	83 80 72	22	2950	60.1	3	260
65-250(I)A	32.5 46.7 61	9 13 16.9	73 70 63	18.5	2950	59.2	3	218
65-250(I)B	30 43.3 56	8.3 12 15.6	62 60 54	15	2950	58.2	3	198
65-315(I)	35 50 65	9.72 13.9 18.1	128 125 122	45	2950	54.1	3	375
65-315(I)A	33 47 61	9 12.9 16.8	112 110 107	37	2950	53.1	3	370
65-315(B)	31 45 58	8.6 12.4 16.1	102 98 98	30	2950	52.2	3	350
80-100	35 50 65	9.72 13.9 18.1	13.8 12.5 10	3	2950	71.1	3	74
80-100A	31.3 44.7 58	8.7 12.4 16.1	11 10 8	2.2	2950	70.1	3	64
80-125	35 50 65	9.72 13.9 18.1	22 20 17	5.5	2950	71.2	3	110
80-125A	31.3 45 58	8.7 12.5 16.1	17.5 16 13.6	4	2950	70.2	3	90
80-160	35 50 65	9.72 13.9 18.1	35 32 28	7.5	2950	69.6	3	120
80-160A	32.7 46.7 61	9.1 13 16.9	30.6 28 24	7.5	2950	68.7	3	118
80-160B	30.3 43.3 56.3	8.4 12 15.6	26.2 24 21	5.5	2950	67.7	3	108
80-200	35 50 65	9.72 13.9 18.1	53.5 50 46	15	2950	65.8	3	186
80-200A	32.8 47 61	9.1 13.1 16.9	47 44 40	11	2950	64.9	3	176
80-200B	30.5 43.5 56.6	8.5 12.1 15.7	40.6 33.4	11	2950	63.9	3	176
80-250	35 50 65	9.72 13.9 18.1	83 80 72	22	2950	60.1	3	260
80-250A	32.5 46.7 61	9 13 16.9	73 70 63	18.5	2950	59.2	3	220

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
80-250B	30 43.3 56	8.3 12 15.6	62 60 54	15	2950	58.2	3	200
80-315	35 50 65	9.2 13.9 18.1	128 125 122	45	2950	54.1	3	380
80-315A	32.5 46.5 60.5	9 12.9 16.8	112 110 107	37	2950	53.1	3	376
80-315B	31 44.5 58	8.6 12.4 16.1	102 100 98	30	2950	52.2	3	358
80-315C	29 41 53.6	8.1 11.4 14.9	87 85 83	30	2950	51.2	3	316
80-350	35 50 60	9.72 13.9 13.7	156 150 140	55	2950	51.2	3	530
80-350A	30.8 44 52.8	8.56 12.2 14.7	148 142 135	45	2950	50.3	3	420
80-350B	28 40 46	7.78 11.1 12.8	142 135 128	37	2950	49.3	3	360
80-100(I)	70 100 130	19.4 27.8 36.1	14 12.5 11	5.5	2950	72.1	4.5	118
80-100(I)A	62.6 89 116	17.4 24.7 32.2	12 20 16	4	2950	71.2	4.5	88
80-100(I)B	70 100 130	19.4 27.8 36.1	12.5 11 10	5.5	2950	72.1	4.5	118
80-100(I)C	58 82 107	16.1 22.8 29.7	90 85 76	37	2950	60.4	4	390
100-100	70 100 130	19.4 27.8 36.1	12.5 11 10	5.5	2950	72.1	4.5	120
100-100A	62.6 89 116	17.4 24.7 32.2	11 10 8.8	4	2950	71.2	4.5	100
100-125	70 100 130	19.4 27.8 36.1	20 18 14	11	2950	74.0	4.5	174
100-125A	62.5 89 116	17.4 24.7 32.2	19 16 11	7.5	2950	73.1	4.5	125
100-160	70 100 130	19.4 27.8 36.1	23.5 20 14	15	2950	74.1	4.5	185
100-160A	65.4 94 121	18.2 24.7 33.8	32 28 21	11	2950	73.2	4.5	175
100-160B	60.6 86.6 112	16.8 24.1 31.3	27 24 18	11	2950	72.2	4.5	125
100-200	70 100 130	19.4 27.8 36.1	54 50 42	22	2950	72.8	4	250
100-200A	65.4 93.5 121	18.2 26 33.8	47.5 44 37	18.5	2950	71.8	4	210
100-200B	61 87 113	16.9 24.2 31.4	41 38 32	15	2950	70.9	4	188
100-250	70 100 130	19.4 27.8 36.1	87 80 68	37	2950	68.7	4	350
100-250A	65.4 93.5 121	18.2 26 33.8	76 70 59.5	30	2950	67.7	4	330
100-250B	61 87 113	16.9 24.2 31.4	65 60 51	30	2950	66.8	4	270
100-300	70 100 130	19.4 27.8 36.1	132 125 114	75	2950	63.3	4	680
100-300A	66.5 95 123	18.5 26.4 34.3	119 113 103	55	2950	62.3	4	540
100-315A	66.5 95 123	18.5 26.4 34.3	106 101 92	55	2950	61.4	4	440
100-315B	63 90 117	17.5 25 32.5	106 101 92	55	2950	61.4	4	440
100-350	70 100 130	19.4 27.8 36.1	156 150 148	90	2950	61.0	4	740
100-350A	64 88 113	17.8 24.4 31.1	148 142 134	75	2950	60.0	4	650
100-350B	56 80 104	15.6 22.2 28.9	140 135 125	75	2950	59.1	4	510
100-350C	112 160 192	13.1 20.2 27.8	14 12.5 10	7.5	2950	58.0	4	400
100-350D	112 160 192	13.1 20.2 27.8	14 12.5 10	7.5	2950	57.0	4	380
100-350E	112 160 192	13.1 20.2 27.8	14 12.5 10	7.5	2950	56.0	4	360
100-350F	112 160 192	13.1 20.2 27.8	14 12.5 10	7.5	2950	55.0	4	340
100-350G								



## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
150-250A	129 184 240	35.8 51.2 66.7	18.5 17 14.4	15	1480	75.8	3	300
150-250B	117 167 217	32.5 46.4 60.4	15.2 14 12	11	1480	74.9	3	280
150-250(I)	120 200 240	33.3 55.6 66.7	87 80 72	75	2950	75.3	4.5	725
150-250(I)A	112 187 224	31.1 51.9 62.2	76 70 63	55	2950	74.4	4.5	585
150-250(I)B	104 173 208	26.9 48.1 57.8	65 60 54	45	2950	73.4	4.5	485
150-315	140 200 260	38.9 55.6 72.2	33.8 32 28	30	1450	75.1	3.5	440
150-315A	131 187 243	36.4 51.9 67.5	29.5 28 24.5	22	1480	74.4	3.5	460
150-315B	121 173 225	33.6 48.1 62.3	25 24 21	18.5	1480	73.2	3.5	350
150-315(I)	120 200 240	33.3 55.6 66.7	133 125 120	110	2950	71.5	4.5	980
150-315(I)A	112 187 224	31.1 51.9 62.2	116 110 105	90	2950	70.6	4.5	730
150-315(I)B	104 173 208	28.9 48.1 57.8	100 95 91	75	2950	69.6	4.5	710
150-350	112 160 192	31.1 44.4 53.3	160 150 138	110	2950	66.9	4.5	990
150-350A	105 150 180	29.2 41.7 50	152 142 130	110	2950	65.9	4.5	740
150-350B	98 140 168	27.2 38.9 46.7	110 101 90	75	2950	65.0	4.5	720
150-400	140 200 260	38.9 55.6 72.2	53 50 44	45	1480	71.4	3.5	520
150-400A	131 187 243	36.4 51.9 67.5	46.6 44 38.3	37	1480	70.5	3.5	550
150-400B	122 174 226	33.9 48.3 62.9	40 38 33	30	1480	69.5	3.5	520
150-400C	112 160 208	31.3 44.4 57.8	34 32 28	22	1480	68.6	3.5	490
200-200G	210 300 360	58.3 83.3 100	13.4 12.5 10.5	18.5	1480	77.0	4	380
200-200GA	196 280 336	54.4 77.8 93.3	10.3 8 8.5	15	1480	76.1	4	346
200-250G	210 300 360	58.3 83.3 100	22.2 20 14	22	1480	77.9	4	405
200-250GA	196 280 336	54.4 77.8 93.3	18 16 11.2	18.5	1480	77.0	4	380
200-315G	182 262 312	50.6 72.8 86.7	14.6 13 9	15	1480	76.0	4	346
200-315GA	210 300 360	58.3 83.3 100	36 32 26	45	1480	77.6	4	600
200-315GB	196 280 336	54.4 77.8 93.3	31.5 28 23	37	1480	76.7	4	560
200-315GB	182 262 312	50.6 72.8 86.7	27 24 19.5	30	1480	75.7	4	505
200-400G	210 300 360	58.3 83.3 100	54.5 50 39	75	1480	75.3	4	800
200-400GA	196 280 336	54.4 77.8 93.3	48 44 34	55	1480	74.4	4	708
200-400GB	182 262 312	50.6 72.8 86.7	41.4 38 29.6	45	1480	73.4	4	600
200-400GC	171 245 294	47.5 68.1 81.7	34.9 32 25	37	1480	72.5	4	600
200-500G	210 300 360	58.3 83.3 100	85 80 73	110	1480	70.2	4.5	1230
200-500GA	196 280 336	54.4 77.8 93.3	74 70 64	90	1480	69.3	4.5	906
200-500GB	182 262 312	50.6 72.8 86.7	64 60 54	75	1480	68.3	4.5	816
200-500GC	171 245 294	47.5 68.1 81.7	56 52 48	55	1480	67.4	4.5	780

## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
200-200(I)	280 400 520	77.8 111 144	13.4 12.5 10.5	22	1480	76.9	4	430
200-200(I)A	250 358 465	69.4 99.4 129	11.2 10 8.5	18.5	1480	75.9	4	415
200-250(I)	280 400 520	77.8 111 144	22.2 20 14	30	1480	78.9	4	500
200-250(I)A	250 358 465	69.4 99.4 129	18 16 11.2	22	1480	77.9	4	410
200-250(I)B	226 322 419	62.8 89.4 116	14.4 13 7.3	18.5	1480	77.0	4	400
200-315(I)	280 400 520	77.8 111 144	36 32 26	55	1480	78.9	4	720
200-315(I)A	262 374 486	72.8 103 135	31.5 28 23	45	1480	77.9	4	620
200-315(I)B	242 346 450	67.2 96.1 125	27 24 19.5	37	1480	77.0	4	570
200-400(I)	280 400 520	77.8 111 144	54.5 50 39	90	1480	77.5	4	960
200-400(I)A	262 374 486	72.8 103 135	48 44 34	75	1480	76.6	4	850
200-400(I)B	242 346 450	67.2 96.1 125	41.4 38 29.6	55	1480	75.6	5	710
200-400(I)C	224 320 416	62.2 88.9 115	34.9 32 25	45	1480	74.7	5	605
200-500(I)	280 400 520	77.8 111 144	85 80 70	132	1480	73.4	4	1250
200-500(I)A	262 374 486	72.8 103 135	74.4 70 61.2	110	1480	72.5	4	1160
200-500(I)B	242 346 450	67.2 96.1 125	63.8 60 52.5	90	1480	71.5	4	1050
200-500(I)C	224 320 416	62.2 88.9 115	53.2 50 43.8	75	1480	70.6	4	906
250-250	105 150 200	29.2 41.7 50	21.8 20 18.1	15	1480	75.6	4.5	599
250-250(I)	400 550 670	111 153 186	22 20 16	45	1480	79.3	5.5	740
250-250(I)A	350 500 600	97.2 138 166.7	19 17 14.5	37	1480	78.4	5.5	700
250-235	350 500 600	97.2 138 166.7	14 12.5 10	22	1480	76.6	5.5	600
250-300	350 500 600	97.2 138 166.7	22 20 17.5	37	1480	75.5	5	590
250-315	350 500 600	97.2 138 166.7	20 18 16	55	1480	74.7	5	580
250-315A	350 500 600	97.2 138 166.7	19 17 15	45	1480	73.7	5.5	570



## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
300-500	540 720 900	150 200 250	85 80 70	250	1480	78.6	5.5	1685
300-500A	506 675 844	140.6 187.5 234.4	74.4 70 61.2	200	1480	77.6	5.5	1565
300-500B	468 625 780	130 173.6 216.7	63.8 60 52.5	160	1480	76.7	5.5	1472
300-500C	425 570 710	118 158.3 197.2	53.2 50 43.8	110	1480	75.7	5.5	1345
350-235	600 800 960	167 222 267	14 12.5 10.5	37	1480	80.8	4.5	1050
350-300	600 800 960	167 222 267	22.5 20 17.5	75	1480	78.9	4.5	1230
350-315	600 800 960	167 222 267	35.5 32 28.5	90	1480	80.8	4.5	1650
350-400	600 800 960	167 222 267	55 50 45.5	160	1480	80.8	4.5	1950
350-450	900 1200 1400	250 333.3 389	23 20 16	90	980	81.4	6	1300
350-450A	850 1120 1300	236.1 311.1 361.1	20 17 13	75	980	80.5	6	1200
350-525	900 1200 1400	250 333.3 389	35 32 25	160	980	81.7	6	1850
350-525A	850 1120 1300	236.1 311.1 361.1	31 28 23	132	980	80.8	6	1740
350-525B	780 1050 1200	216.1 291.7 333.3	27 38 19	110	980	79.8	6	1600
350-600	900 1200 1400	250 333.3 389	53 50 44	250	980	81.1	6.5	2750
350-600A	850 1120 1300	236.1 311.1 361.1	46 44 36	200	980	80.2	6.5	2500
350-600B	780 1050 1200	216.7 291.7 333.3	40 38 33	160	980	79.2	6.5	2450
350-315G	670 960 1150	186 267 320	35 32 26	132	1480	81.1	6.5	1750
350-315GA	600 860 1030	167 239 287	30 28 23	110	1480	80.2	6.5	1600
350-315GB	575 820 985	159 228 273	26 24 19	90	1480	79.2	6.5	1250
350-400G	670 960 1150	186 267 320	53 50 40	200	1480	81.1	7.0	2500
350-400GA	600 860 1030	167 239 287	46 44 38	160	1480	80.2	7.0	2450
350-400GB	575 820 985	159 228 273	40 38 32	132	1480	79.2	7.0	2350

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
350-450G	670 960 1150	186 267 320	22 20 16	75	980	81.1	6.0	1250
350-450GA	575 820 985	159 228 273	19 17 14	55	980	80.2	6.0	950
350-525G	670 960 1150	186 267 320	35 32 26	132	980	81.1	6.0	1850
350-525GA	600 860 1030	167 239 287	30 28 23	110	980	80.2	6.0	1700
350-525GB	575 820 985	159 228 273	26 24 19	90	980	79.3	6.0	1550
350-620G	670 960 1150	186 267 320	53 50 44	200	980	80.1	7.0	2700
350-620GA	600 860 1030	167 239 287	46 44 38	160	980	79.1	6.5	2600
350-620GB	575 820 985	159 228 273	40 38 32	132	980	78.2	6.5	2200
350-315(I)	900 1200 1400	250 333.3 400	35 32 26	160	1480	80.9	6.5	1800
350-315(I)A	820 1100 1300	228 305 361	30 28 23	132	1480	80.1	6.5	1750
350-315(I)B	750 1000 1200	208 278 333	26 24 19	110	1480	79.0	6.5	1600
350-400(I)	900 1200 1400	250 333 400	53 50 44	250	1480	81.7	7.5	2500
350-400(I)A	820 1100 1300	228 305 361	46 44 38	200	1480	80.8	7.0	2450
350-400(I)B	750 1000 1200	208 278 333	40 38 32	160	1480	79.8	7.0	2350
400-300	820 1080 1300	228 300 361	23 20 16	90	1480	78.2	6	1450
400-315	820 1080 1300	228 300 361	36.5 32 27	132	1480	81.1	6	1740
400-450	1500 2000 2400	416.7 555.6 666.7	23 20 15	160	980	80.6	6.5	2420
400-450A	1400 1860 2250	388.9 516.7 625	20 17 14	132	980	79.3	6.5	1940
400-500	1500 2000 2400	416.7 555.6 666.7	34 32 27	250	980	82.8	6.5	2980
400-500A	1400 1860 2240	388.9 516.7 625	30 28 24	200	980	81.9	6.5	2840
400-500B	1300 1750 2100	361.1 486.4 583.3	26 24 21	160	980	80.9	6.5	2710
500-300	1000 1200 1450	277.8 333 403	23 20 16	110	1480	81.7	6	1800
SLS500-315	1000 1200 1450	277.8 333 403	32 27	160	1480	80.9	6	2070

## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram (ISGD)

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
40-160	2.2 3.2 4.2	0.61 0.89 1.17	8.3 8 7.5	0.37	1480	32.9	2.3	44
40-200	2.2 3.2 4.2	0.61 0.89 1.17	12.8 12.5 12	0.75	1480	25.0	2.3	53
40-250	2.2 3.2 4.2	0.61 0.89 1.17	20.5 20 18.5	1.1	1480	14.6	2.3	76
40-250A	2.0 3.0 3.9	0.56 0.83 1.08	18 17.5 16.3	0.75	1480	13.7	2.3	67
40-250B	1.9 2.8 3.5	0.53 0.78 0.97	15.4 15 14	0.55	1480	12.7	2.3	57
40-125(I)	4.4 6.3 8.2	1.2 1.75 2.3	5.3 5.0 4.5	0.25	1480	51.7	2.3	43
40-160(I)	4.4 6.2 8.2	1.2 1.75 2.3	8.3 8 7.5	0.55	1480	46.0	2.3	52
40-200(I)	4.4 6.3 8.2	1.2 1.75 2.3	12.8 12.5 12	0.75	1480	39.9	2.3	62
40-250(I)	4.4 6.3 8.2	1.2 1.75 2.3	20.3 19.4 19	1.5	1480	31.5	2.3	86



## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram (ISGD)

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
65-200(I)	17.5 25 32.5	4.86 6.94 9.03	13.4 12.5 11.5	2.2	1480	62.0	3.0	93
65-200(I)A	16.4 23.5 30.5	4.56 6.53 8.47	11.8 11 10	1.5	1480	61.1	3.0	84
65-250(I)	17.5 25 32.5	4.86 6.94 9.03	20.8 20 18	3	1480	56.3	3.0	122
65-250(I)A	16.3 23.4 30.5	4.53 6.5 8.47	18.3 17.5 15.8	3	1480	55.4	3.0	119
65-250(I)B	15 21.7 28	4.17 6.03 7.78	15.5 15 13.5	2.2	1480	54.4	3.0	109
65-315(I)	15 25 30	4.17 6.94 8.33	32.5 32 31.5	5.5	1480	50.0	3.0	181
65-315(I)A	14 23 28	3.89 6.39 7.78	28 27.5 26.8	5.5	1480	49.0	3.0	177
65-315(I)B	12.1 20.2 24.3	3.36 5.61 6.75	21.5 21 20.6	3	1480	48.1	3.0	162
80-125	17.5 25 32.5	4.86 6.94 9.03	5.5 4.25	0.75	1480	67.4	3.0	67
80-160	17.5 25 32.5	4.86 6.94 9.03	8.75 8 7	1.1	1480	65.9	3.0	74
80-200	17.5 25 32.5	4.86 6.94 9.03	13.4 12.5 11.5	2.2	1480	62.0	3.0	93
80-200A	16.4 23.5 30.5	4.56 6.53 8.47	11.8 11 10	1.5	1480	61.1	3.0	84
80-250	17.5 25 32.5	4.86 69.4 9.03	20.8 20 18	3	1480	56.3	3.0	122
80-250A	16.3 23.4 30.5	4.53 6.5 8.47	18.3 17.5 15.8	3	1480	55.4	3.0	119
80-250B	15.5 22.3 29	4.31 6.19 8.06	15.5 15 13.5	3	1480	54.4	3.0	115
80-315	17.5 25 32.5	4.86 6.94 9.03	32.5 32 30.5	5.5	1480	50.0	3.0	185
80-315A	16.3 23.3 30.3	4.53 6.47 8.42	28 27.5 26.8	5.5	1480	49.0	3.0	182
80-315B	15.5 22.3 29	4.31 6.19 8.06	25.5 25 24.5	4	1480	48.1	3.0	162
80-125(I)	35 50 65	9.72 13.9 18.1	5.88 5 3.5	1.5	1480	71.1	4.5	88
80-160(I)	35 50 65	9.72 13.9 16.8	9.13 8 6	2.2	1480	71.1	4.5	100

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
80-160(I)A	32.7 46.8 60.5	9.08 13 16.8	8 7 5.3	1.5	1480	70.1	4.5	93
80-200(I)	35 50 65	9.72 13.9 18.1	13.5 12.5 10.5	3	1480	69.8	4	124
80-200(I)A	32.7 46.8 60.5	9.08 13 16.8	11.9 11 9.25	3	1480	68.9	4	120
80-250(I)	35 50 65	9.72 13.9 18.1	21.8 20 17	5.5	1480	65.7	4	178
80-250(I)A	32.7 46.8 60.5	9.08 13 16.8	19 17.5 14.9	4	1480	64.8	4	157
80-250(I)B	30.5 43.5 56.5	8.47 12.0 15.7	16.3 15 12.8	4	1480	63.8	4	143
80-315(I)	35 50 65	9.72 13.9 18.1	33 31.3 28.5	11	1480	60.3	4	266
80-315(I)A	33.3 47.5 61.5	9.25 13.2 17.1	29.8 28.3 25.8	7.5	1480	59.4	4	219
80-315(I)B	31.5 45 58.5	8.75 12.5 16.3	26.5 25.3 23	7.5	1480	58.4	4	214
100-125	35 50 65	9.72 13.9 18.1	12.5 11.5 10.5	1.5	1480	71.1	4.5	76
100-160	35 50 65	9.72 13.9 18.1	9.13 8 6	2.2	1480	71.1	4.5	43
100-160A	32.7 46.8 60.5	9.08 13 16.8	8 7 5.3	1.5	1480	70.1	4.5	76
100-200	35 50 65	9.72 13.9 18.1	13.5 12.5 10.5	3	1480	69.8	4	109
100-200A	32.7 46.8 60.5	9.08 13 16.8	11.9 11 9.25	3	1480	68.9	4	105
100-250	35 50 65	9.72 13.9 18.1	21.8 20 17	5.5	1480	65.7	4	166
100-250A	32.7 46.8 60.5	9.08 13 16.8	19 17.5 14.9	4	1480	64.8	4	143
100-250B	30.5 43.5 56.5	8.47 12.1 15.7	16.3 15 12.8	4	1480	63.8	4	128
100-315	35 50 65	9.72 13.9 18.1	33 31.3 28.5	11	1480	60.3	4	247
100-315A	33.3 47.5 61.5	9.25 13.2 17.1	29.8 28.3 25.8	7.5	1480	59.4	4	209
100-315B	31.5 45 58.5	8.75 12.5 16.3	26.5 25.3 23	7.5	1480	58.4	4	204

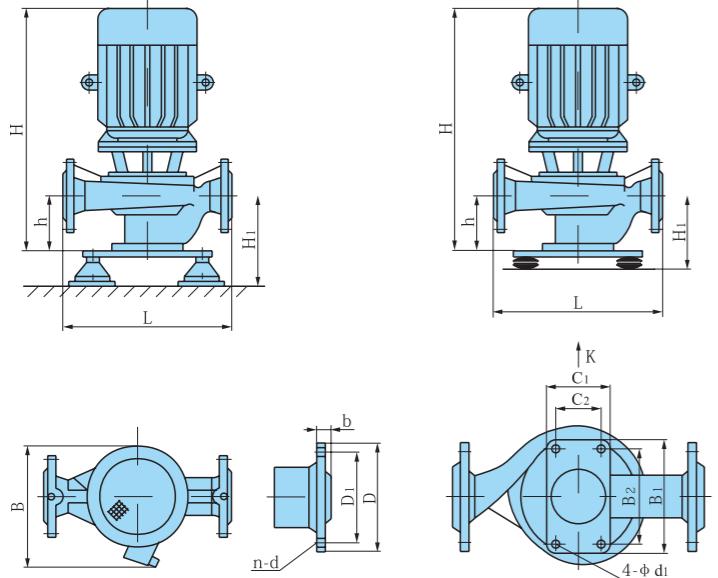
## VERTICAL INLINE CENTRIFUGAL PUMP

### Performance parameter diagram (ISGD)

Type	Capacity		Head (m)	Power (kW)	Speed (r/min)	Eff. (%)	(NPSH)r (m)	Weight (Kg)
	(m³/h)	(L/s)						
100-125(I)	48 80 96	13.3 22.2 26.7	5.5 5 4.3	2.2	1480	72.1	3	95
100-160(I)	48 80 96	13.3 22.2 26.7	9 8 7	3	1480	73.2	3	100
100-200(I)	48 80 96	13.3 22.2 26.7	13.8 12.5 11.5	5.5	1480	73.2	3	143
100-200(I)A	45 75 90	12.5 20.8 25	12 11 10	4.0	1480	72.2	3	124
100-250(I)	48 80 96	13.3 22.2 26.7	22 20 18.3	7.5	1480	70.8	2.8	181
100-250(I)A	45 75 90	12.5 20.8 25	19 17.5 16	7.5	1480	69.8	2.8	176
100-250(I)B	41.5 69 83	11.5 19.2 23	16.3 15 13.8	5.5	1480	78.4	2.8	166
100-315(I)	48 80 96	13.3 22.2 26.7	33.3 32 29.8	15	1480	65.9	2.5	280
100-315(I)A	45 75 90	12.5 20.8 25	29.3 27.5 26	11	1480	65.0	2.5	257
100-315(I)B	43 72 86	11.9 20 23.9	26.5 25 23.8	11	1480	64.0	2.5	252
125-160	48 80 96	13.3 22.2 26.7	9 8 7	3	1480	73.2	3	133
125-200	48 80 96	13.3 22.2 26.7	13.8 1					

## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions



Flange dimensions				
DN	D	D <sub>1</sub>	n-d	b
φ25	φ115	φ85	4-Φ14	16
φ32	φ140	φ100	4-Φ19	18
φ40	φ150	φ110	4-Φ19	18
φ50	φ165	φ125	4-Φ19	20
φ65	φ185	φ145	4-Φ19	20
φ80	φ200	φ160	8-Φ19	22
φ100	φ220	φ180	8-Φ19	24
φ125	φ250	φ210	8-Φ19	26
φ150	φ285	φ240	8-Φ23	26
φ200	φ340	φ295	12-Φ23	30
φ250	φ405	φ355	12-Φ28	32
φ300	φ460	φ410	12-Φ28	32
φ350	φ520	φ470	16-Φ28	36
φ400	φ580	φ525	16-Φ31	38
φ500	φ715	φ650	20-Φ34	42

## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions					
									Vibration isolated pad	Vibration isolator	Connection board	Type	H1	Type
40-125A	280	237.5	447	85	φ40	φ14	150×100	120×70	SD41-0.5	160	-	-	SLS-1	
40-160	320	257.5	487	85	φ40	φ14	150×100	120×70	SD41-0.5	160	-	-	SLS-1	
40-160A	320	257.5	457	85	φ40	φ14	150×100	120×70	SD41-0.5	160	-	-	SLS-1	
40-160B	320	237.5	447	85	φ40	φ14	150×100	120×70	SD41-0.5	160	-	-	SLS-1	
40-200	340	310	558	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-200A	340	310	558	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-200B	340	287.5	538	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-250	400	347.5	620	95	φ40	φ14	170×120	130×80	SD41-0.5	170	JG1-2	193	SLS-2	
40-250A	400	347.5	620	95	φ40	φ14	170×120	130×80	SD41-0.5	170	JG1-2	193	SLS-2	
40-250B	400	347.5	620	95	φ40	φ14	170×120	130×80	SD41-0.5	170	JG1-2	193	SLS-2	
40-100(I)	290	237.5	455	95	φ40	φ14	150×100	120×70	SD41-0.5	170	-	-	SLS-1	
40-100(I)A	290	237.5	455	95	φ40	φ14	150×100	120×70	SD41-0.5	170	-	-	SLS-1	
40-125(I)	300	257.5	474	100	φ40	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
40-125(I)A	300	237.5	464	100	φ40	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
40-160(I)	320	287.5	545	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-160(I)A	320	257.5	510	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-160(I)B	320	257.5	510	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-200(I)	380	247.5	620	100	φ40	φ14	170×120	130×80	SD41-0.5	175	JG1-2	198	SLS-2	
40-200(I)A	380	310	565	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-200(I)B	380	287.5	545	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-250(I)	440	432.5	732	100	φ40	φ18	200×140	160×100	SD41-0.5	185	JG2-2	220	SLS-3	
40-250(I)A	440	432.5	732	100	φ40	φ18	200×140	160×100	SD41-0.5	185	JG2-2	220	SLS-3	
40-250(I)B	440	347.5	632	100	φ40	φ18	200×140	160×100	SD41-0.5	185	JG2-2	220	SLS-3	
50-100	290	237.5	460	95	φ50	φ14	150×100	120×70	SD41-0.5	170	-	-	SLS-1	
50-100A	290	237.5	460	95	φ50	φ14	150×100	120×70	SD41-0.5	170	-	-	SLS-1	
50-125	300	257.5	475	100	φ50	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
50-125A	300	237.5	465	100	φ50	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
50-160	320	287.5	545	100	φ50	φ14	160×110	130×80	SD41-0.5	175	-	-	SLS-2	
50-160A	320	257.5	510	100	φ50	φ14	160×110	130×80	SD41-0.5	175	-	-	SLS-2	
50-160B	320	257.5	510	100	φ50	φ14	160×110	130×80	SD41-0.5	175	-	-	SLS-2	
50-200	380	347.5	620	100	φ50	φ14	160×110	130×80	SD41-0.5	175	JG1-2	198	SLS-2	
50-200A	380	310	565	100	φ50	φ14	160×110	130×80	SD41-0.5	175	-	-	SLS-2	
50-200B	380	287.5	545	100	φ50	φ14	160×110	130×80	SD41-0.5	175	-	-	SLS-2	
50-250	440	432.5	732	100	φ50	φ18	200×140	160×100	SD41-0.5	175	JG2-2	220	SLS-3	
50-250A	440	432.5	732	100	φ50	φ18	200×140	160×100	SD41-0.5	175	JG2-2	220	SLS-3	
50-250B	440	347.5	632	100	φ50	φ18	200×140	160×100	SD41-0.5	175	JG2-2	220	SLS-3	
50-100(I)	305	257.5	485	100	φ50	φ18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
50-100(I)A	305	237.5	475	100	φ50	φ18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
50-125(I)	340	287.5	545	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-125(I)A	340	287.5	520	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-160(I)	360	310	567	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-160(I)A	360	310	567	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-160(I)B	360	287.5	547	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-200(I)	380	347.5	635	115	φ50	φ18	200×140	160×100	SD41-1	185	JG2-2	230	SLS-3	



## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions					
	Vibration isolated pad		Vibration isolator		Connection board		Type	H1	Type	H1	Type			
	L	B	H	h	DN	d1	B <sub>1</sub> ×C <sub>1</sub>	B <sub>2</sub> ×C <sub>2</sub>						
50-200(I)A	380	347.5	635	115	ф50	ф18	200×140	160×100	SD41-1	185	JG2-2	230	SLS-3	
50-200(I)B	380	347.5	635	115	ф50	ф18	200×140	160×100	SD41-1	185	-	-	SLS-3	
50-250(I)	480	432.5	755	120	ф50	ф18	220×160	180×120	SD41-1	195	JG2-2	240	SLS-4	
50-250(I)A	480	432.5	755	120	ф50	ф18	220×160	180×120	SD41-1	195	JG2-2	240	SLS-4	
50-250(I)B	480	432.5	755	120	ф50	ф18	220×160	180×120	SD41-1	195	JG2-2	240	SLS-4	
50-315(I)	550	525	935	130	ф50	ф18	220×160	180×120	SD41-1.5	205	JG2-2	250	SLS-4	
50-315(I)A	550	525	935	130	ф50	ф18	220×160	180×120	SD41-1.5	205	JG2-2	250	SLS-4	
50-315(I)B	550	475	830	130	ф50	ф18	220×160	180×120	SD41-1.5	205	JG2-2	250	SLS-4	
65-100	320	257.5	485	105	ф65	ф18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
65-100A	320	237.5	475	105	ф65	ф18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
65-125	340	287.5	545	105	ф65	ф18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-125A	340	257.5	520	105	ф65	ф18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-160	360	310	567	105	ф65	ф18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-160A	360	310	567	105	ф65	ф18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-160B	360	287.5	547	105	ф65	ф18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-200	380	347.5	635	110	ф65	ф18	200×140	160×100	SD61-0.5	185	JG2-2	230	SLS-3	
65-200A	380	347.5	635	110	ф65	ф18	200×140	160×100	SD61-0.5	185	JG2-2	230	SLS-3	
65-200B	380	347.5	635	110	ф65	ф18	200×140	160×100	SD61-0.5	185	JG2-2	230	SLS-3	
65-250	480	432.5	755	120	ф65	ф18	220×160	180×120	SD61-1	195	JG2-2	240	SLS-4	
65-250A	480	432.5	755	120	ф65	ф18	220×160	180×120	SD61-1	195	JG2-2	240	SLS-4	
65-250B	480	432.5	755	120	ф65	ф18	220×160	180×120	SD61-0.5	195	JG2-2	240	SLS-4	
65-315	550	525	935	130	ф65	ф18	220×160	180×120	SD61-1.5	205	JG2-2	250	SLS-4	
65-315A	550	525	935	130	ф65	ф18	220×160	180×120	SD61-1.5	205	JG2-2	250	SLS-4	
65-315B	550	475	830	130	ф65	ф18	220×160	180×120	SD61-1	205	JG2-2	250	SLS-4	
65-100(I)	400	287.5	585	120	ф65	ф18	200×140	160×100	SD61-0.5	195	-	-	SLS-3	
65-100(I)A	400	257.5	550	120	ф65	ф18	200×140	160×100	SD61-0.5	195	-	-	SLS-3	
65-125(I)	400	347.5	650	130	ф65	ф18	200×140	160×100	SD61-1	205	JG2-2	250	SLS-3	
65-125(I)A	400	310	595	130	ф65	ф18	200×140	160×100	SD61-0.5	205	-	-	SLS-3	
65-160(I)	400	347.5	650	120	ф65	ф18	200×140	160×100	SD61-1	195	JG2-2	240	SLS-3	
65-160(I)A	400	347.5	650	120	ф65	ф18	200×140	160×100	SD61-0.5	195	JG2-2	240	SLS-3	
65-160(I)B	400	347.5	650	120	ф65	ф18	200×140	160×100	SD61-0.5	195	JG2-2	240	SLS-3	
65-200(I)	430	432.5	765	125	ф65	ф18	200×140	160×100	SD61-1	200	JG2-2	245	SLS-3	
65-200(I)A	430	432.5	765	125	ф65	ф18	200×140	160×100	SD61-1	200	JG2-2	245	SLS-3	
65-200(I)B	430	432.5	765	125	ф65	ф18	200×140	160×100	SD61-1	200	JG2-2	245	SLS-3	
65-250(I)	480	475	835	130	ф65	ф18	220×160	180×120	SD61-1.5	205	JG2-2	250	SLS-4	
65-250(I)A	480	432.5	815	130	ф65	ф18	220×160	180×120	SD61-1.5	205	JG2-2	250	SLS-4	
65-250(I)B	480	432.5	770	130	ф65	ф18	220×160	180×120	SD61-1	205	JG2-2	250	SLS-4	
65-315(I)	580	582.5	1080	140	ф65	ф22	280×200	220×160	SD61-1.5	215	JG3-2	282	SLS-6	
65-315(I)A	580	525	1030	140	ф65	ф22	280×200	220×160	SD61-1	215	JG3-2	282	SLS-6	
65-315(I)B	580	525	955	140	ф65	ф22	280×200	220×160	SD61-1	215	JG3-2	282	SLS-6	
80-100	400	287.5	580	125	ф80	ф18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-100A	400	257.5	545	125	ф80	ф18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-125	400	347.5	650	130	ф80	ф18	200×140	160×100	SD61-0.5	205	JG2-2	255	SLS-4	
80-125A	400	310	605	130	ф80	ф18	200×140	160×100	SD61-0.5	205	JG2-2	255	SLS-4	
80-125B	400	287.5	580	125	ф80	ф18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-100A	400	257.5	545	125	ф80	ф18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-125	400	347.5	650	130	ф80	ф18	200×140	160×100	SD61-0.5	205	JG2-2	255	SLS-4	
80-125A	400	310	605	130	ф80	ф18	200×140	160×100	SD61-0.5	205	JG2-2	255	SLS-4	

## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions					
Vibration isolated pad														



## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions					
	Vibration isolated pad		Vibration isolator		Connection board		Type	H1	Type	H1	Type	H1	Type	
	L	B	H	h	DN	d1	B <sub>1</sub> ×C <sub>1</sub>	B <sub>2</sub> ×C <sub>2</sub>						
100-250A	540	525	963	145	Φ100	Φ18	220×160	180×120	SD62-1.5	243	JG2-2	265	SLS-4	
100-250B	540	525	963	145	Φ100	Φ18	220×160	180×120	SD62-1	243	JG2-2	265	SLS-4	
100-315	630	700	1260	160	Φ100	Φ22	280×220	220×160	SD62-1.5	258	JG3-2	302	SLS-6	
100-315A	630	642.5	1211	160	Φ100	Φ22	280×220	220×160	SD62-1.5	258	JG3-2	302	SLS-6	
100-315B	630	642.5	1211	160	Φ100	Φ22	280×220	220×160	SD62-1.5	258	JG3-2	302	SLS-6	
100-350	680	700	1375	180	Φ100	Φ22	320×240	280×200	SD62-2	278	JG3-2	322	SLS-10	
100-350A	680	700	1325	180	Φ100	Φ22	320×240	280×200	SD62-2	278	JG3-2	322	SLS-10	
100-350B	680	700	1325	180	Φ100	Φ22	320×240	280×200	SD62-2	278	JG3-2	322	SLS-10	
125-100	520	347.5	695	145	Φ125	Φ22	280×220	220×160	SD62-1	220	JG3-2	265	SLS-6	
125-100A	520	347.5	695	145	Φ125	Φ22	280×220	220×160	SD62-1	220	JG3-2	265	SLS-6	
125-125	520	432.5	795	145	Φ125	Φ22	280×220	220×160	SD62-1	220	JG3-2	265	SLS-6	
125-125A	520	432.5	795	145	Φ125	Φ22	280×220	220×160	SD61-1	220	JG3-2	265	SLS-6	
125-160	520	475	940	165	Φ125	Φ22	280×220	220×160	SD61-1	240	JG3-2	307	SLS-6	
125-160A	520	432.5	860	165	Φ125	Φ22	280×220	220×160	SD61-1	240	JG3-2	307	SLS-6	
125-160B	520	432.5	815	165	Φ125	Φ22	280×220	220×160	SD61-1	240	JG3-2	307	SLS-6	
125-200	570	525	1020	160	Φ125	Φ22	280×220	220×160	SD61-1	265	JG3-2	332	SLS-6	
125-200A	570	525	1020	160	Φ125	Φ22	280×220	220×160	SD61-1	265	JG3-2	332	SLS-6	
125-200B	570	475	915	160	Φ125	Φ22	280×220	220×160	SD61-1	265	JG3-2	332	SLS-6	
125-250	680	642.5	1260	200	Φ125	Φ22	280×220	220×160	SD62-1	298	JG3-2	342	SLS-6	
125-250A	680	582.5	1160	200	Φ125	Φ22	280×220	220×160	SD62-1	298	JG3-2	342	SLS-6	
125-250B	680	525	1105	200	Φ125	Φ22	280×220	220×160	SD62-1	298	JG3-2	342	SLS-6	
125-315	685	700	1390	195	Φ125	Φ22	360×310	300×250	SD62-1	293	JG3-2	337	SLS-12	
125-315A	685	700	1340	195	Φ125	Φ22	360×310	300×250	SD62-1	293	JG3-2	337	SLS-12	
125-315B	685	700	1340	195	Φ125	Φ22	360×310	300×250	SD62-1	293	JG3-2	337	SLS-12	
150-125	520	432.5	793	145	Φ150	Φ22	280×200	220×160	SD41-1.5	220	JG3-2	265	SLS-6	
150-125A	520	432.5	793	145	Φ150	Φ22	280×200	220×160	SD41-1.5	220	JG3-2	265	SLS-6	
150-160	520	475	943	170	Φ150	Φ22	280×220	220×160	SD61-1	245	JG3-2	312	SLS-6	
150-160A	520	432.5	863	170	Φ150	Φ22	280×220	220×160	SD61-1	245	JG3-2	312	SLS-6	
150-160B	520	432.5	818	170	Φ150	Φ22	280×220	220×160	SD61-1	245	JG3-2	312	SLS-6	
150-200	680	449	895	190	Φ150	Φ22	300×250	260×210	SD62-1	288	JG3-2	332	SLS-8	
150-200A	680	449	850	190	Φ150	Φ22	300×250	260×210	SD62-1	288	JG3-2	332	SLS-8	
150-200B	680	412	790	190	Φ150	Φ22	300×250	260×210	SD62-1	288	JG3-2	332	SLS-8	
150-250	700	475	980	195	Φ150	Φ22	300×250	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-250A	700	449	900	195	Φ150	Φ22	300×250	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-250B	700	449	855	195	Φ150	Φ22	300×250	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-315	760	525	1100	195	Φ150	Φ22	310×260	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-315A	760	475	1020	195	Φ150	Φ22	310×260	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-315B	760	475	980	195	Φ150	Φ22	310×260	260×210	SD62-1	293	JG3-2	337	SLS-8	
150-350	800	898.5	1610	225	Φ150	Φ22	380×300	300×250	SD62-1.5	323	JG3-2	413	SLS-12	
150-350A	800	898.5	1610	225	Φ150	Φ22	380×300	300×250	SD62-1.5	323	JG3-2	413	SLS-12	
150-350B	800	700	1370	225	Φ150	Φ22	380×300	300×250	SD62-1.5	323	JG3-2	413	SLS-12	
150-400	800	582.5	1160	200	Φ150	Φ22	310×260	260×210	SD62-1.5	298	JG3-2	342	SLS-12	
150-400A	800	582.5	1135	200	Φ150	Φ22	310×260	260×210	SD62-1	298	JG3-2	342	SLS-8	
150-400B	800	525	1105	200	Φ150	Φ22	310×260	260×210	SD62-1	298	JG3-2	342	SLS-8	

## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions

Type	Figure dimensions					Foot dimensions		
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# VERTICAL INLINE CENTRIFUGAL PUMP

## Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions				
									Vibration isolated pad		Vibration isolator		Connection board
	L	B	H	h	DN	d1	B <sub>1</sub> ×C <sub>1</sub>	B <sub>2</sub> ×C <sub>2</sub>	Type	H <sub>1</sub>	Type	H <sub>1</sub>	Type
200-315(I)A	860	582.5	1200	225	Φ200	Φ22	360×300	300×250	SD62-1	323	JG3-2	367	SLS-12
200-315(I)B	860	582.5	1175	225	Φ200	Φ22	360×300	300×250	SD62-1	323	JG3-2	367	SLS-12
200-400(I)	880	700	1465	240	Φ200	Φ22	360×310	300×250	SD62-1.5	338	JG3-2	382	SLS-12
200-400(I)A	880	700	1400	240	Φ200	Φ22	360×310	300×250	SD62-1.5	338	JG3-2	382	SLS-12
200-400(I)B	880	642.5	1315	240	Φ200	Φ22	360×310	300×250	SD62-1	338	JG3-2	382	SLS-12
200-400(I)C	880	582.5	1215	240	Φ200	Φ22	360×310	300×250	SD62-1	378	JG3-2	382	SLS-12
200-500(I)	1090	898.5	1817	280	Φ200	Φ22	360×310	300×250	SD62-1	378	JG3-2	422	SLS-12
200-500(I)A	1090	898.5	1717	280	Φ200	Φ22	360×310	300×250	SD62-1	378	JG3-2	422	SLS-12
200-500(I)B	1090	700	1505	280	Φ200	Φ22	360×310	300×250	SD62-1	378	JG3-2	422	SLS-12
200-500(I)C	1090	700	1455	280	Φ200	Φ22	360×310	300×250	SD62-1	378	JG3-2	422	SLS-12
250-250	1100	506	940	300	Φ250	Φ22	400×350	350×300	SD62-1	333	JG3-2	377	SLS-13
250-250(I)	1100	582.5	1195	300	Φ250	Φ22	400×350	350×300	SD62-1	333	JG3-2	377	SLS-13
250-250(I)A	1100	582.5	1170	300	Φ250	Φ22	400×350	350×300	SD62-1	333	JG3-2	377	SLS-13
250-235	1100	514	1080	300	Φ250	Φ22	400×350	350×300	SD62-1	353	JG3-2	397	SLS-13
250-300	1100	582.5	1125	300	Φ250	Φ22	400×350	350×300	SD62-1	378	JG3-2	422	SLS-13
250-315	1100	700	1455	300	Φ250	Φ22	400×350	350×300	SD62-1.5	398	JG3-2	442	SLS-12
250-315A	1100	642.5	1370	300	Φ250	Φ22	400×350	350×300	SD62-1.5	398	JG3-2	442	SLS-12
250-315B	1100	582.5	1180	300	Φ250	Φ22	400×350	350×300	SD62-1.5	398	JG3-2	442	SLS-12
250-400	1200	700	1550	310	Φ250	Φ26	500×400	430×330	SD62-1.5	408	JG4-2	498	SLS-15
250-400A	1200	700	1550	310	Φ250	Φ26	500×400	430×330	SD62-1.5	408	JG4-2	498	SLS-15
250-400B	1200	700	1500	310	Φ250	Φ26	500×400	430×330	SD62-1.5	408	JG4-2	498	SLS-15
250-500	1270	898.5	1880	350	Φ250	Φ26	500×400	450×350	SD62-1.5	448	JG4-2	538	SLS-16
250-500A	1270	898.5	1880	350	Φ250	Φ26	500×400	450×350	SD62-1.5	448	JG4-2	538	SLS-16
250-500B	1270	898.5	1780	350	Φ250	Φ26	500×400	450×350	SD62-1.5	448	JG4-2	538	SLS-16
250-500C	1270	700	1590	350	Φ250	Φ26	500×400	450×350	SD62-1.5	448	JG4-2	538	SLS-16
300-235	1200	642.5	1370	380	Φ300	Φ26	500×400	450×350	SD62-1.5	398	JG4-2	488	SLS-14
300-235A	1200	582.5	1270	380	Φ300	Φ26	500×400	450×350	SD62-1.5	398	JG4-2	488	SLS-14
300-235B	1200	582.5	1245	380	Φ300	Φ26	500×400	450×350	SD62-1.5	398	JG4-2	488	SLS-14
300-250	1200	642.5	1385	380	Φ300	Φ26	500×400	450×350	SD62-1.5	398	JG4-2	488	SLS-14
300-250A	1200	582.5	1285	380	Φ300	Φ26	500×400	450×350	SD62-1.5	398	JG4-2	488	SLS-14
300-300	1200	761	1557	365	Φ300	Φ26	500×400	430×330	SD62-1.5	468	JG4-2	558	SLS-15
300-300A	1200	749	1472	365	Φ300	Φ26	500×400	430×330	SD62-1.5	468	JG4-2	558	SLS-15
300-300B	1200	749	1372	365	Φ300	Φ26	500×400	430×330	SD62-1.5	468	JG4-2	558	SLS-15
300-315	1200	761	1610	380	Φ300	Φ26	500×400	450×350	SD62-2	478	JG4-2	568	SLS-16
300-315A	1200	761	1555	380	Φ300	Φ26	500×400	450×350	SD62-2	478	JG4-2	568	SLS-16
300-315B	1200	749	1470	380	Φ300	Φ26	500×400	450×350	SD62-1.5	478	JG4-2	568	SLS-16
300-400	1300	927	1800	360	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18
300-400A	1300	761	1610	360	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18
300-450	1400	980	1920	380	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18
300-450A	1400	980	1820	380	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18
300-450B	1400	761	1610	380	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18
300-450C	1400	761	1545	380	Φ300	Φ26	530×480	480×430	SD62-2	458	JG4-2	548	SLS-18



# VERTICAL INLINE CENTRIFUGAL PUMP

## Installation Dimensions

Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions				
									Vibration isolated pad		Vibration isolator		Connection board
	L	B	H	h	DN	d1	B <sub>1</sub> ×C <sub>1</sub>	B <sub>2</sub> ×C <sub>2</sub>	Type	H1	Type	H1	Type
300-500	1420	1055	2015	400	φ300	φ26	550×480	480×430	SD62-2.5	498	JG4-2	588	SLS-18
300-500A	1420	982	1780	400	φ300	φ26	550×480	480×430	SD62-2.5	498	JG4-2	588	SLS-18
300-500B	1420	982	1780	400	φ300	φ26	550×480	480×430	SD62-2.5	498	JG4-2	588	SLS-18
300-500C	1420	982	1670	400	φ300	φ26	550×480	480×430	SD62-2.5	498	JG4-2	588	SLS-18
350-235	1190	750	1335	360	φ350	φ26	500×450	450×400	SD62-1.5	458	JG4-2	548	SLS-17
350-300	1190	761	1545	360	φ350	φ26	500×450	450×400	SD62-1.5	458	JG4-2	548	SLS-17
350-315	1190	761	1605	360	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-400	1400	927	1960	400	φ350	φ26	500×450	450×400	SD62-2.5	498	JG4-2	588	SLS-17
350-450	1700	960	1790	460	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-450A	1700	960	1680	460	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525	1700	1055	2020	460	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525A	1700	960	1790	460	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525B	1700	960	1790	460	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-600	1700	1055	2050	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-600A	1700	1055	2050	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-600B	1700	1055	2050	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-315G	1190	850	1906	360	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-315GA	1190	850	1806	360	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-315GB	1190	730	1616	360	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-400G	1400	927	1960	400	φ350	φ26	500×450	450×400	SD62-2.5	498	JG4-2	588	SLS-17
350-400GA	1400	927	1960	400	φ350	φ26	500×450	450×400	SD62-2.5	498	JG4-2	588	SLS-17
350-400GB	1400	927	1800	400	φ350	φ26	500×450	450×400	SD62-2.5	498	JG4-2	588	SLS-17
350-450G	1600	960	1680	450	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-450GA	1600	840	1490	450	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525G	1600	960	1790	450	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525GA	1600	960	1790	450	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-525GB	1600	960	1790	450	φ350	φ26	550×500	480×430	SD62-2.5	528	JG4-2	618	SLS-18
350-620G	1700	1055	2050	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-620GA	1700	1055	2050	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-620GB	1700	930	2000	460	φ350	φ26	550×500	480×430	SD62-4	548	JG4-2	638	SLS-18
350-315(I)	1350	850	1926	380	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-315(I)A	1350	850	1926	380	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-315(I)B	1350	850	1826	380	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	548	SLS-17
350-400(I)	1600	1055	1960	400	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	588	SLS-17
350-400(I)A	1600	960	1960	400	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	588	SLS-17
350-400(I)B	1600	960	1960	400	φ350	φ26	500×450	450×400	SD62-2	458	JG4-2	588	SLS-17
400-300	1350	761	1656	380	φ400	φ26	500×450	450×400	SD62-2.5	498	JG4-2	588	SLS-17
400-315	1350	927	1926	380	φ400	φ26	500×450	450×400	SD62-2.5	478	JG4-2	568	SLS-17
400-450	1800	1055	1890	480	φ400	φ26	550×500	480×430	SD62-4	578	JG4-2	668	SLS-18
400-450A	1800	960	1660	480	φ400	φ26	550×500	480×430	SD62-4	578	JG4-2	668	SLS-18
400-500	1800	1055	2095	480	φ400	φ26	550×500	480×430	SD62-4	578	JG4-2	668	SLS-18
400-500A	1800	1055	2095	480	φ400	φ26	550×500	480×430	SD62-4	578	JG4-2	668	SLS-18
400-500B	1800	1055	2095	480	φ400	φ26	550×500	480×430	SD62-4	578	JG4-2	668	SLS-18
500-300	1500	927	1885	425	φ500	φ26	550×500	480×430	SD62-2.5	523	JG4-2	613	SLS-18
500-315	1500	927	1985	425	φ500	φ26	550×500	480×430	SD62-2.5	518	JG4-2	608	SLS-18

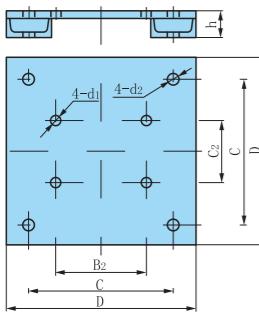
## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation Dimensions (ISGD)

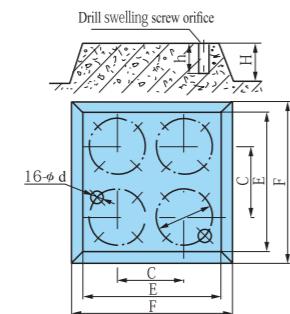
Type	Figure dimensions					Foot dimensions			Isolation selection and installing dimensions					
	L	B	H	h	DN	d1	B <sub>1</sub> ×C <sub>1</sub>	B <sub>2</sub> ×C <sub>2</sub>	Type	H <sub>1</sub>	Type	H <sub>1</sub>	Type	
40-160	320	160.5	404	85	φ40	φ14	150×100	120×70	SD41-0.5	160	-	-	SLS-1	
40-200	340	237.5	463	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-250	400	267.5	480	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-250A	400	255	470	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-250B	400	255	470	95	φ40	φ14	170×120	130×80	SD41-0.5	170	-	-	SLS-2	
40-125(I)	300	160.5	421	100	φ40	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
40-160(I)	320	237.5	470	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-200(I)	380	241	470	100	φ40	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
40-250(I)	440	309	532	100	φ40	φ18	200×140	160×100	SD41-0.5	185	-	-	SLS-3	
40-250(I)A	440	309	502	100	φ40	φ18	200×140	160×100	SD41-0.5	185	-	-	SLS-3	
40-250(I)B	440	309	502	100	φ40	φ18	200×140	160×100	SD41-0.5	185	-	-	SLS-3	
50-125	300	160.5	422	100	φ50	φ14	150×100	120×70	SD41-0.5	175	-	-	SLS-1	
50-160	320	237.5	470	100	φ50	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
50-200	380	241	470	100	φ50	φ14	170×120	130×80	SD41-0.5	175	-	-	SLS-2	
50-250	440	309	532	100	φ50	φ18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
50-250A	440	309	502	100	φ50	φ18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
50-250B	440	309	502	100	φ50	φ18	200×140	160×100	SD41-0.5	175	-	-	SLS-3	
50-125(I)	340	237.5	480	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-160(I)	380	237.5	472	105	φ50	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
50-200(I)	380	257.5	495	115	φ50	φ18	200×140	160×100	SD41-0.5	185	-	-	SLS-3	
50-200(I)A	380	257.5	495	115	φ50	φ18	200×140	160×100	SD41-0.5	185	-	-	SLS-3	
50-250(I)	480	305	560	120	φ50	φ18	220×160	180×120	SD41-0.5	195	-	-	SLS-4	
50-250(I)A	480	292	535	120	φ50	φ18	220×160	180×120	SD41-0.5	195	-	-	SLS-4	
50-250(I)B	480	292	535	120	φ50	φ18	220×160	180×120	SD41-0.5	195	-	-	SLS-4	
50-315(I)	550	327	600	130	φ50	φ18	220×160	180×120	SD41-1	205	JG2-2	250	SLS-4	
50-315(I)A	550	292	545	130	φ50	φ18	220×160	180×120	SD41-1.5	205	JG2-2	250	SLS-4	
50-315(I)B	550	292	545	130	φ50	φ18	220×160	180×120	SD41-1.5	205	JG2-2	250	SLS-4	
65-125	340	237.5	480	105	φ65	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-160	360	237.5	472	105	φ65	φ18	200×140	160×100	SD41-0.5	180	-	-	SLS-3	
65-200	380	257.5	495	110	φ65	φ18	200×140	160×100	SD61-0.5	185	-	-	SLS-3	
65-200A	380	257.5	495	110	φ65	φ18	200×140	160×100	SD61-0.5	185	-	-	SLS-3	
65-250	480	305	560	120	φ65	φ18	220×160	180×120	SD61-0.5	195	JG2-2	240	SLS-4	
65-250A	480	292	535	120	φ65	φ18	220×160	180×120	SD61-0.5	195	JG2-2	240	SLS-4	
65-250B	480	292	535	120	φ65	φ18	220×160	180×120	SD61-0.5	195	-	-	SLS-4	
65-315	550	327	600	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-315A	550	292	545	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-315B	550	292	545	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-125(I)	400	237.5	510	130	φ65	φ18	200×140	160×100	SD61-0.5	205	-	-	SLS-3	
65-160(I)	400	257.5	510	120	φ65	φ18	200×140	160×100	SD61-0.5	195	-	-	SLS-3	
65-200(I)	430	287.5	570	125	φ65	φ18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
65-200(I)A	430	257.5	545	125	φ65	φ18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
65-250(I)	480	287.5	585	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-250(I)A	480	287.5	585	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-250(I)B	480	287.5	585	130	φ65	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
65-315(I)	580	347.5	680	140	φ65	φ18	280×200	220×160	SD61-0.5	215	JG3-2	260	SLS-6	
65-315(I)A	580	347.5	680	140	φ65	φ18	280×200	220×160	SD61-0.5	215	JG3-2	260	SLS-6	
65-315(I)B	580	310	595	140	φ65	φ18	280×200	220×160	SD61-0.5	215	JG3-2	260	SLS-6	
80-125	400	237.5	510	130	φ80	φ18	200×140	160×100	SD61-0.5	205	-	-	SLS-3	
80-160	400	257.5	510	120	φ80	φ18	200×140	160×100	SD61-0.5	195	-	-	SLS-3	
80-200	430	287.5	570	125	φ80	φ18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-200A	430	257.5	545	125	φ80	φ18	200×140	160×100	SD61-0.5	200	-	-	SLS-3	
80-250	480	287.5	585	130	φ80	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
80-250A	480	287.5	585	130	φ80	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250	SLS-4	
80-250B	480	287.5	585	130	φ80	φ18	220×160	180×120	SD61-0.5	205	JG2-2	250		

## Installation basic figure table

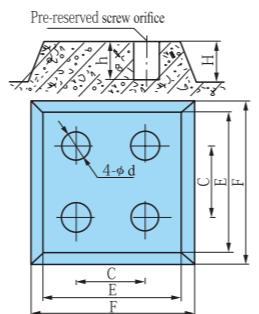
Connection board



Basic figure for flexible joint

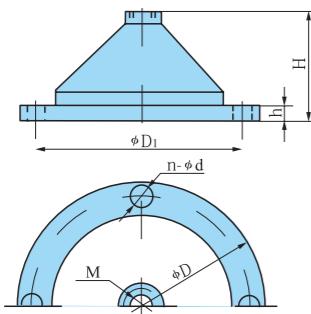


Basic figure for rigid joint



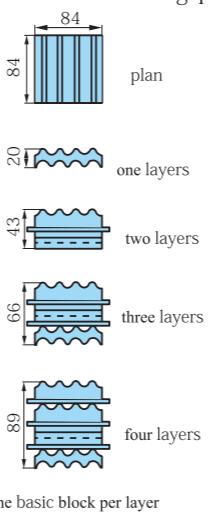
Type	Connection board dimensions						Basic dimensions for flexible joint						Basic dimensions for rigid joint					
	B2xC 2	CxC	DxD	h	d1	d	H	E	F	C	φD	φd	h	H	E	F	C	φd
SLS-1	120× 70	240× 240	300× 300	55	Φ14	Φ12	200	450	500	240	/	/	100	450	500	240	60	200
SLS-2	130× 80	240× 240	300× 300	55	Φ14	Φ12	200	450	500	240	/	/	100	450	500	240	60	200
SLS-3	160× 100	340× 340	400× 400	55	Φ18	Φ14	250	650	700	340	Φ14.5	60	150	650	700	340	80	250
SLS-4	180× 120	340× 340	400× 400	55	Φ18	Φ14	250	650	700	340	Φ14.5	60	150	650	700	340	80	250
SLS-5	200× 140	340× 340	400× 400	55	Φ22	Φ18	250	650	700	340	Φ14.5	60	150	650	700	340	80	250
SLS-6	220× 160	340× 340	400× 400	55	Φ22	Φ18	250	650	700	340	Φ14.5	60	150	650	700	340	80	250
SLS-7	240× 120	340× 340	400× 400	55	Φ22	Φ18	250	650	700	340	Φ14.5	60	150	650	700	340	80	250
SLS-8	260× 210	440× 440	500× 500	55	Φ22	Φ18	300	750	800	440	Φ14.5	60	200	750	800	440	80	250
SLS-9	280× 190	440× 440	500× 500	55	Φ22	Φ18	300	750	800	440	Φ14.5	60	200	750	800	440	80	250
SLS-10	280× 200	440× 440	500× 500	55	Φ22	Φ18	300	750	800	440	Φ14.5	60	200	750	800	440	80	250
SLS-11	280× 230	440× 440	500× 500	55	Φ22	Φ18	300	750	800	440	Φ14.5	60	200	750	800	440	80	250
SLS-12	300× 250	540× 540	600× 600	55	Φ22	Φ18	300	850	950	540	Φ14.5	60	200	850	950	540	80	250
SLS-13	350× 300	540× 540	600× 600	55	Φ22	Φ18	300	850	950	540	Φ14.5	60	200	850	950	540	80	250
SLS-14	400× 300	740× 740	800× 800	55	Φ26	Φ22	350	1000	1100	740	Φ14.5	60	250	1000	1100	740	80	300
SLS-15	430× 330	740× 740	800× 800	55	Φ26	Φ22	350	1000	1100	740	Φ14.5	60	250	1000	1100	740	80	300
SLS-16	450× 350	740× 740	800× 800	55	Φ26	Φ22	350	1000	1100	740	Φ14.5	60	250	1000	1100	740	80	300
SLS-17	450× 400	740× 740	800× 800	55	Φ26	Φ22	350	1000	1100	740	Φ14.5	60	250	1000	1100	740	80	300
SLS-18	480× 430	840× 840	900× 900	55	Φ26	Φ22	350	1200	1300	840	Φ14.5	60	250	1200	1300	840	80	300
SLS-19	480× 400	740× 740	800× 800	55	Φ26	Φ22	350	1000	1100	740	Φ14.5	60	250	1000	1100	740	80	300

Installation dimensions for vibration isolator

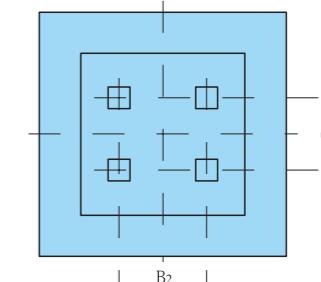
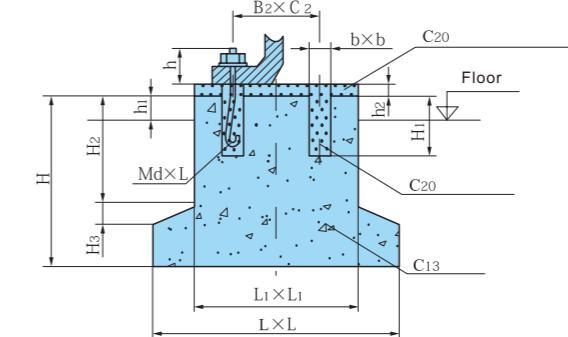


Type	M	D	D1	H	d	h
JG1-2	M10	100	80	43	8.5	4
JG2-2	M12	150	130	65	8.5	4
JG3-2	M16	200	170	87	12.5	4
JG4-2	M20	290	260	133	12.5	4

SD Vibration-insulating pad



## Table of basic dimension for over-500kg non-isolation pump



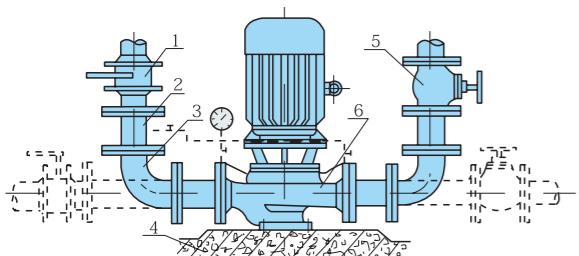
Type	B2	C2	b	L	L1	H	H1	H2	H3	h	h1	h2	Md×L
80-315(I)	220	160	100	850	650	880	600	745	80	65	50	50	M20×600
100-315	220	160	100	850	650	880	600	745	80	65	50	50	M20×600
100-350	280	200	100	900	730	880	600	765	80	70	50	50	M20×600
125-250	220	160	100	850	650	880	600	745	80	65	50	50	M20×600
125-315	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
150-250(I)	260	210	100	900	700	880	600	765	80	65	50	50	M20×600
150-315(I)	260	210	100	900	700	880	600	765	80	65	50	50	M20×600
150-350	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
150-400	260	210	100	900	700	880	600	765	80	65	50	50	M20×600
150-500	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-315	260	210	100	900	700	880	600	765	80	65	50	50	M20×600
200-400	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-315G	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-400G	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-500G	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-200(I)	300	250	100	950	750	880	600	765	80	65	50	50	M20×600
200-250(I)	300	250	100	1000	800	880	600						

## VERTICAL INLINE CENTRIFUGAL PUMP

### Installation methods

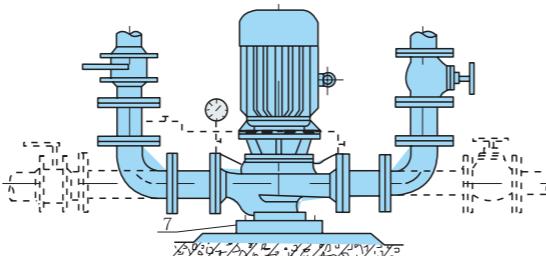
#### Rigid joint

##### 1、Direct mounting



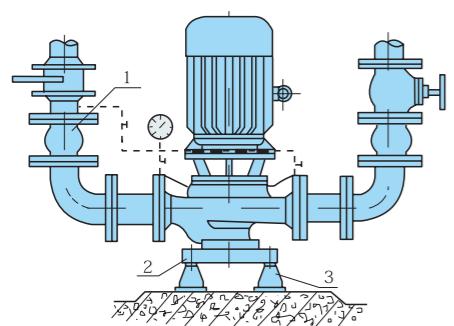
1, inlet valve 2, pressure-picking straight tube 3, bent tube 4, adope cement pouring basement  
5, outlet valve 6, pump 7, connection board

##### 2、Mounted with connection board



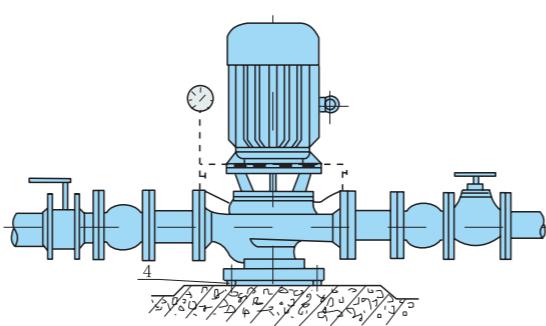
#### Soft joint

##### 1、Mounted with connection board and vibration isolator



1, flexible joint 2, connection board 3, JG vibration isolator 4, SD vibration-insulating pads

##### 2、Mounted with connection board and vibration-insulating pad



Note: The vibration isolator is fixed on the base by the help of expansion screws.

## VERTICAL INLINE CENTRIFUGAL PUMP

### Reference table for pipeline loss

Pipe diameter (mm)	Capacity (L/s)									
	1	2	4	6	8	10	15	20	25	30
25	32.7	13.0								
38	3.5	14	55							
50	0.8	3.1	13	29						
65	1.6	3.2	7.1	13	20					
75	0.4	0.8	3.3	5.9	9.6	21.6				
100		0.23	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
175				0.11	0.27	0.5	0.74	1.05	1.9	2.9
200					0.13	0.26	0.37	0.53	0.93	1.5
250						0.07	0.12	0.18	0.30	0.48
300							0.07	0.12	0.19	0.27
								0.37	0.49	0.61
									0.76	0.9
									1.1	1.3
									1.5	2.0
									2.4	3.0

Brief table for the frictional loss of a straight pipe(for evaluation) the lost meters of a 100m straight pipe takes the newly cast iron pipe as the standard and multiple for the old one.

### The length of a straight pipe converted into both valve and elbow(each) certain diameter

Variety	Convert into the times of the diameter of a straight pipe	Remark
Standard elbow	12	Multiple in case of open
Fully opened gate valve	25	
Back valve	100	
Foot valve	100	Partial block-up multiplied

NoteFor instance, a 100mm diameter pipe, the foot valve has a  $100 \times 100 = 10000\text{mm}^2 = 10\text{m}$  diameter when which is converted into 100 times that of the pipe's diameter. Suppose flow is  $8\text{L/s}$ , looked into the above table, the loss of the straight pipe is  $1.3\text{m}$  each  $100\text{m}$ , then the one for  $100\text{mm}$  is  $0.13\text{m}$ . that is, for a 100mm foot valve with a flow  $8\text{L/s}$ , its head loss is  $0.13\text{m}$ .

## MEMO

MEMO