

**Value Proposition**  
Energy Saving High Reliability



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**SHIMGE PUMP INDUSTRY (ZHEJIANG) CO., LTD.**

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**SHIMGE®**  
..... for better life

## SGL(W)-G

Single-stage Single-suction  
Vertical(Horizontal)  
Centrifugal Pump





# COMPANY PROFILE

Established in 1984 and headquartered in Daxi Town, Wenling City, Zhejiang Province—a town with flourishing pump industry, Shimge Pump Industry (Zhejiang) Co., Ltd. is a limited liability company specialized in producing various kinds of pumps and control equipment. For over three decades, Shimge Pump Industry has been committed to technical researches, manufacturing and marketing of all kinds of pumps and control equipment, as well as providing first-class pumps and water treatment system solutions for the world.

Based on keen market insight, the company developed the “screw pump” in 1987, which filled the gap in the domestic market at that time. Due to its excellent quality, Shimge soon stood out in the industry, and started its journey as a legendary brand in China’s pump industry. The company was once successfully listed in the A-share market in Shenzhen Stock Exchange on December 31, 2010 (stock code: 002532. According to the development strategy of the company, it was delisted in the form of asset reorganization and completed privatization in July 2020` ). Currently, the company has 6 major brands, 12 product series with more than 2,000 specifications, and 8 holding subsidiaries, becoming a real leading brand in China’s pump industry.



## DIRECTORY

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SERVICE WORLD





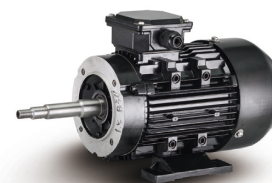
## SINGLE-STAGE SINGLE-SUCTION VERTICAL (HORIZONTAL) CENTRIFUGAL PUMP

### STRUCTURAL FEATURES

It adopts the popular modular design in the world to reduce spare parts for versatility of parts, which is convenient for procurement, manufacturing and maintenance.

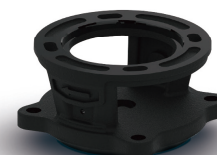
#### Motor

- Die-cast aluminum special shaft motor
- P55 waterproof protection
- Efficient and reliable Class F insulation



#### Connector

- Professional styling ● B14 flange
- Surface electrophoresis treatment
- Fully coated sand casting process



#### Pump body

- Patented certification, runner offset pump body, anti-vibration design
- Extra-high overflow efficiency
- Fully coated sand casting process to ensure runner roughness and dimensional accuracy



#### Protective sheet

- Attractive appearance
- ABS material



#### Impeller

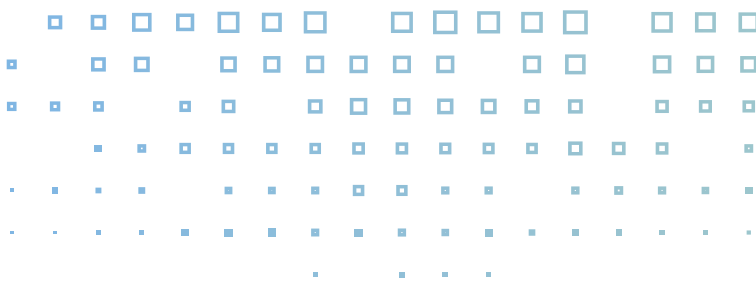
- German casting process
- Cast iron material
- High-efficiency hydraulic design





Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
25-160AG	4.9	26	1.1	31	3000	2.3	320	440	75	60×100	4-Φ14
	3.7	28									
	2.6	29									
32-160AG	5.8	23	1.1	44	3000	2.3	320	449	85	70×120	4-Φ14
	4.5	25									
	3.1	27									
32-160G	5.8	30	1.5	42	3000	2.3	320	463	85	70×120	4-Φ14
	4.5	32									
	3.1	34									
32-200AG	5.2	38	2.2	36	3000	2.3	336	489	90	80×130	4-Φ14
	4	40									
	2.8	42									
32-200G	5.8	48	3	54	3000	2.3	336	539	90	80×130	4-Φ14
	4.5	50									
	3.1	52									
40-100(I)AG	14.5	9	0.75	60	3000	2.3	294	457	95	70×120	4-Φ14
	11	10									
	8	10.6									
40-100(I)G	16.3	11.3	1.1	62	3000	2.3	294	457	95	70×120	4-Φ14
	12.5	12.5									
	8.8	13.2									
40-100G	8.3	11.3	0.75	54	3000	2.3	255	463	85	70×120	4-Φ14
	6.3	12.5									
	4.4	13.2									
40-125(I)AG	14.5	14	1.1	57	3000	2.3	300	458	100	70×120	4-Φ14
	11	16									
	8	17									
40-125(I)G	16.3	17.8	1.5	58	3000	2.3	300	472	100	70×120	4-Φ14
	12.5	20									
	8.8	21.2									
40-125AG	7.4	14.4	0.75	45	3000	2.3	290	472	85	70×120	4-Φ14
	5.6	16									
	3.9	17.6									
40-125G	8.3	18	1.1	46	3000	2.3	290	472	85	70×120	4-Φ14
	6.3	20									
	4.4	21									
40-160(I)AG	15.2	26	2.2	41	3000	2.3	330	503	100	80×130	4-Φ14
	11.7	28									
	8.2	29									
40-160(I)BG	13.5	20.5	1.5	49	3000	2.3	330	478	100	80×130	4-Φ14
	10.4	22									
	7.8	23									
40-160(I)G	16.3	30	3	52	3000	2.3	330	553	100	80×130	4-Φ14
	12.5	32									
	8.8	33									
40-160AG	7.8	26.3	1.5	39	3000	2.3	320	498	85	70×120	4-Φ14
	5.9	28									
	4.1	29									
40-160BG	7.2	22.5	1.1	38	3000	2.3	320	465	85	70×120	4-Φ14
	5.5	24									
	3.8	25.5									
40-160G	8.3	30	1.5	40	3000	2.3	320	498	85	70×120	4-Φ14
	6.3	32									
	4.4	33									
40-200(I)AG	15.2	42	4	45	3000	2.3	355	562	100	80×130	4-Φ14
	11.7	44									
	8.2	45									
40-200(I)BG	13.8	34	3	44	3000	2.3	355	549	100	80×130	4-Φ14
	10.6	36									
	7.5	37									





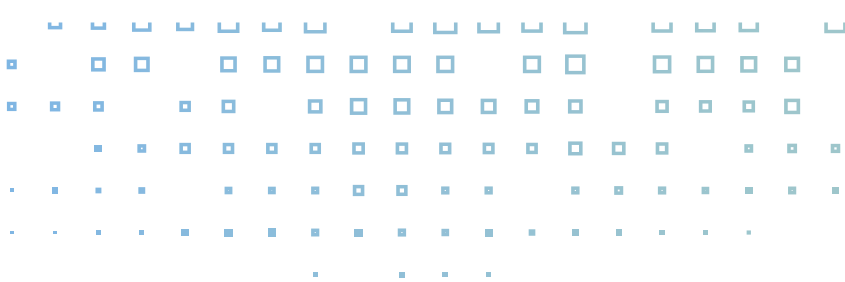
General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
40-200(I)G	16.3	48	5.5	46	3000	2.3	355	624	100	80×130	4-Φ16
	12.5	50									
	8.8	51.2									
40-200(I)G	8.3	12	0.75	45	1500	2	355	450	100	80×130	4-Φ14
	6.3	12.5									
	4.4	13									
40-200AG	7.8	42	2.2	31	1500	2.3	360	518	95	80×130	4-Φ14
	5.9	44									
	4.1	45									
40-200BG	7.0	34.5	2.2	29	3000	2.3	360	518	95	80×130	4-Φ14
	5.3	36									
	3.7	38									
40-200G	8.3	48	3	33	3000	2.3	360	577	95	80×130	4-Φ14
	6.3	50									
	4.4	51									
40-250(I)AG	14.5	63	7.5	38	3000	2.3	440	588	110	100×160	4-Φ16
	11	65									
	8	66									
40-250(I)AG	7.8	16.5	1.1	45	1500	2	440	452	110	100×160	4-Φ14
	5.8	17									
	4.1	17.5									
40-250(I)BG	13.1	50	5.5	37	3000	2.3	440	588	110	100×160	4-Φ16
	10	52									
	7.1	53.4									
40-250(I)G	16.3	77.5	11	38	3000	2.3	440	705	110	100×160	4-Φ16
	12.5	80									
	8.8	81.2									
40-250(I)G	8.3	19.5	1.5	44	1500	2	440	477	110	100×160	4-Φ14
	6.3	20									
	4.4	20.5									
40-250AG	7.8	65	5.5	28	3000	2.3	410	618	100	80×130	4-Φ16
	5.9	70									
	4.1	72									
40-250BG	7.2	56	4	27	3000	2.3	410	618	100	80×130	4-Φ14
	5.5	60									
	3.8	61.5									
40-250G	8.3	75	7.5	28	3000	2.3	410	618	100	80×130	4-Φ16
	6.3	80									
	4.4	82									
50-100(I)AG	29	8.4	1.1	67	3000	2.5	320	425	100	100×160	4-Φ14
	22.3	10									
	15.6	11									
50-100(I)G	30	10.5	1.5	69	3000	2.5	320	440	100	100×160	4-Φ14
	25	12.5									
	17.5	13.7									
50-100AG	14.5	9	0.75	60	3000	2.3	285	471	90	70×120	4-Φ14
	11	10									
	8	11									
50-100G	16.3	11.3	1.1	62	3000	2.3	285	471	90	70×120	4-Φ14
	12.5	12.5									
	8.8	13.6									
50-125(I)AG	15.6	14	2.2	66	3000	2.5	335	508	100	100×160	4-Φ14
	22.3	16									
	26.8	17									
50-125(I)G	32.5	18	3	68	3000	2.5	335	558	100	100×160	4-Φ14
	25	20									
	17.5	21.5									
50-125AG	14.5	14	1.1	57	3000	2.3	300	487	95	70×120	4-Φ14
	11	16									
	8	17									

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
50-125G	16.3	17.8	1.5	58	3000	2.3	300	520	95	70×120	4-Φ14
	12.5	20									
	8.8	21.5									
50-160(I)AG	25.9	22	3	62	3000	2.5	360	557	105	100×160	4-Φ14
	21.6	24									
	15.1	28									
50-160(I)G	32.5	27.5	4	63	3000	2.5	360	570	105	100×160	4-Φ14
	25	32									
	17.5	34.4									
50-160AG	15.2	26	2.2	51	3000	2.3	340	515	100	80×130	4-Φ14
	11.7	28									
	8.3	29									
50-160BG	13.5	20.5	1.5	49	3000	2.3	340	515	100	80×130	4-Φ14
	10.4	22									
	7.5	23									
50-160G	16.3	30	2.2	52	3000	2.3	340	515	100	80×130	4-Φ14
	12.5	32									
	8.8	33									
50-200(I)AG	26.2	36	5.5	58	3000	2.5	396	629	105	100×160	4-Φ16
	21.8	38									
	15.3	42.4									
50-200(I)AG	14.7	9.5	0.75	49	1500	2	396	475	105	100×160	4-Φ14
	11.2	10									
	8.1	10.5									
50-200(I)G	32.5	45.5	7.5	58	3000	2.5	396	629	105	100×160	4-Φ16
	25	50									
	17.5	52.7									
50-200(I)G	16.3	12	1.1	50	1500	2	396	475	105	100×160	4-Φ14
	12.5	12.5									
	8.8	13									
50-200AG	15.2	42	3	45	3000	2.3	380	578	100	80×130	4-Φ14
	11.7	44									
	8.3	45.8									
50-200BG	13.8	34	2.2	44	3000	2.3	380	534	100	80×130	4-Φ14
	10.6	36									
	7.5	37									
50-200G	16.3	48	4	46	3000	2.3	380	571	100	80×130	4-Φ14
	12.5	50									
	8.8	52									
50-200G	8.3	12	0.75	45	1500	2	356	450	100	80×130	4-Φ14
	6.3	12.5									
	4.4	13									
50-250(I)AG	28.1	67	11	57	3000	2.5	438	766	120	120×180	4-Φ16
	23.4	70									
	16.4	71.5									
50-250(I)AG	15.2	17	1.5	47	1500	2	438	538	120	120×180	4-Φ14
	11.7	17.5									
	8.2	18									
50-250(I)BG	13.1	12.5	1.1	45	1500	2	438	513	120	120×180	4-Φ14
	10	13									
	7.1	13.5									
50-250(I)G	32.5	76.5	15	58	3000	2.5	438	766	120	120×180	4-Φ16
	25	80									
	17.5	82									
50-250(I)G	16.3	19	2.2	48	1500	2	438	586	120	120×180	4-Φ14
	12.5	20									
	8.8	20.5									
50-250AG	15.2	63	7.5	38	3000	2.3	440	638	110	100×160	4-Φ16
	11	65									
	8.2	66.5									





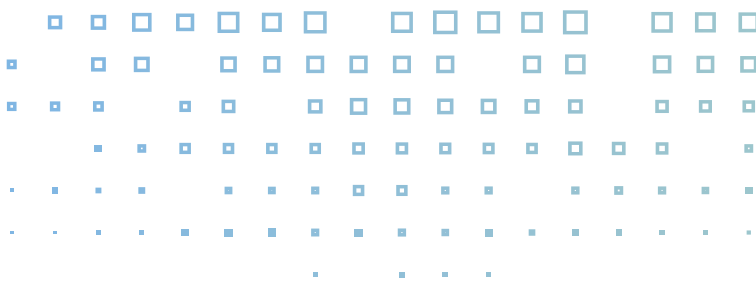
General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
50-250AG	7.8	16.5	1.1	45	1500	2	440	502	110	100×160	4-Φ14
	5.8	17									
	4.1	17.5									
50-250BG	14	50	5.5	36	3000	2.3	440	638	110	100×160	4-Φ16
	10	52									
	7.6	53.4									
50-250G	16.3	77.5	11	25	3000	2.3	440	755	110	100×160	4-Φ16
	12.5	80									
	8.8	82									
50-250G	8.3	19.5	1.5	44	1500	2	440	527	110	100×160	4-Φ14
	6.3	20									
	4.4	20.5									
50-315(I)AG	31	110	22	40	3000	2.5	550	857	135	150×240	4-Φ16
	23.7	113									
	16.6	115									
50-315(I)AG	15.2	27	3	42	1500	2	550	606	135	150×240	4-Φ14
	11.7	28									
	8.2	29									
50-315(I)BG	29.2	98	18.5	39	3000	2.5	550	828	135	150×240	4-Φ16
	22.5	101									
	15.7	103									
50-315(I)CG	26.8	83	15	46	3000	2.5	550	784	135	150×240	4-Φ16
	20.6	85									
	14.4	86									
50-315(I)G	32.5	122	30	40	3000	2.5	550	949	135	150×240	4-Φ18
	25	125									
	17.5	128									
50-315(I)G	16.3	31	4	43	1500	2	550	619	135	150×240	4-Φ14
	12.5	32									
	8.8	33									
65-100(I)AG	58	8	2.2	72	3000	3	400	495	130	100×160	4-Φ14
	44.7	10									
	32.3	11									
65-100(I)G	65	10	3	73	3000	3	400	535	130	100×160	4-Φ14
	50	12.5									
	35	13.8									
65-100AG	29	8.4	1.1	57	3000	2.5	320	498	105	100×160	4-Φ18
	22.3	10									
	15.6	11									
65-100G	32.5	10.5	1.5	69	3000	2.5	320	531	105	100×160	4-Φ18
	25	12.5									
	17.5	13.7									
65-125(I)AG	58	13.6	4	71	3000	3	400	605	130	100×160	4-Φ14
	45	16									
	31.3	17.5									
65-125(I)G	65	17	5.5	72.5	3000	3	400	653	130	100×160	4-Φ16
	50	20									
	35	22									
65-125(I)G	32.5	4	0.75	65	1500	2.8	400	500	130	100×160	4-Φ14
	25	5									
	17.5	6									
65-125AG	29	14.4	2.2	66	3000	2.5	340	536	100	100×160	4-Φ18
	22.3	16									
	15.6	17									
65-125G	32.5	18	2.2	68	3000	2.5	340	536	100	100×160	4-Φ18
	25	20									
	17.5	21.5									
65-160(I)AG	56.3	22	5.5	70	3000	3	400	646	130	100×160	4-Φ16
	43.4	24									
	30.3	28.6									

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
65-160(I)AG	29.1	5	0.75	64	1500	2.8	400	500	130	100×160	4-Φ14
	22	6									
	15.8	7									
65-160(I)G	65	28	7.5	71	3000	3	400	646	130	100×160	4-Φ16
	50	32									
	35	35									
65-160(I)G	32.5	7	1.1	63	1500	2.8	400	510	130	100×160	4-Φ14
	25	8									
	17.5	9									
65-160AG	30.4	24	3	63	3000	2.5	380	584	100	100×160	4-Φ18
	23.4	28									
	16.4	30									
65-160BG	28	20.6	2.2	58	3000	2.5	380	540	100	100×160	4-Φ18
	21.6	24									
	15	26									
65-160G	32.5	27.5	4	63	3000	2.5	380	577	100	100×160	4-Φ18
	25	32									
	17.5	34.4									
65-160G	16.3	7.5	0.75	54	1500	2.8	360	477	100	100×160	4-Φ14
	12.5	8									
	8.8	8.5									
65-200(I)AG	61	40	11	66	3000	3	430	764	130	100×160	4-Φ16
	47	44									
	32.8	47									
65-200(I)AG	30.4	10	1.5	75	1500	2.8	430	536	130	100×160	4-Φ14
	23.3	11									
	16.4	12									
65-200(I)BG	56.6	33.4	7.5	65	3000	3	430	648	130	100×160	4-Φ16
	43.3	38									
	30.5	40.6									
65-200(I)G	65	46	15	67	3000	3	430	764	130	100×160	4-Φ16
	50	50									
	35	53.5									
65-200(I)G	32.5	11.5	2.2	65	1500	2.8	430	586	130	100×160	4-Φ14
	25	12.5									
	17.5	13									
65-200AG	30.5	40	5.5	58	3000	2.5	400	679	105	100×160	4-Φ18
	23.5	44									
	16.4	46.4									
65-200AG	14.7	9.6	0.75	56	1500	2.8	397	475	105	100×160	4-Φ14
	11.2	10									
	8.1	11									
65-200BG	28.3	34.5	4	58	3000	2.5	400	582	105	100×160	4-Φ18
	21.8	38									
	15.3	40									
65-200G	32.5	45.5	7.5	58	3000	2.5	400	679	105	100×160	4-Φ18
	25	50									
	17.5	52.7									
65-200G	16.3	11.4	1.1	58	1500	2.8	397	475	105	100×160	4-Φ14
	12.5	12.5									
	8.8	13.7									
65-250(I)AG	61	63	18.5	59	3000	3	480	814	130	120×180	4-Φ16
	46.7	70									
	32.5	73									
65-250(I)AG	29.3	15	3	67	1500	2.8	480	590	130	120×180	4-Φ14
	22.2	15.8									
	15.9	17									
65-250(I)BG	56	54	15	58	3000	3	480	770	130	120×180	4-Φ16
	43.3	60									
	30	62									





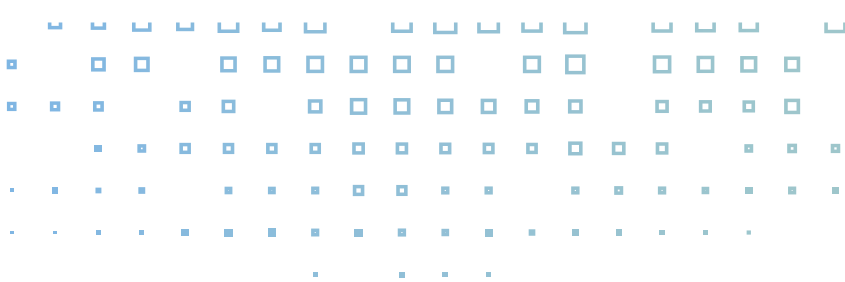
General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
65-250(I)BG	27.2	12	2.2	64	1500	2.8	480	590	130	120×180	4-Φ14
	20	12.8									
	13.5	14									
65-250(I)G	65	72	22	59	3000	3	480	843	130	120×180	4-Φ16
	50	80									
	35	83									
65-250(I)G	32.5	19	4	68	1500	2.8	480	603	130	120×180	4-Φ14
	25	20									
	17.5	21									
65-250AG	30.5	67	11	50	3000	2.5	438	766	120	120×180	4-Φ16
	23.4	70									
	16.4	71.5									
65-250AG	15.2	17	1.5	49	1500	2.8	438	538	120	120×180	4-Φ14
	11.7	17.5									
	8.2	18									
65-250BG	13.1	14.4	1.1	49	1500	2.8	438	513	120	120×180	4-Φ14
	10	15									
	7.1	15.3									
65-250G	32.5	76.5	15	50	3000	2.5	438	766	120	120×180	4-Φ16
	25	80									
	17.5	82									
65-250G	16.3	19.5	2.2	50	1500	2.8	438	586	120	120×180	4-Φ14
	12.5	20									
	8.8	20.5									
65-315(I)AG	60.5	106.4	30	54	3000	3	580	963	140	150×240	4-Φ18
	46.5	110									
	32.5	112.6									
65-315(I)AG	29	24	4	60	1500	2.8	580	633	140	150×240	4-Φ14
	22.5	26									
	15.6	28									
65-315(I)BG	53.6	83	22	53	3000	3	580	871	140	150×240	4-Φ16
	41	85									
	29	98									
65-315(I)BG	27.2	20	3	60	1500	2.8	580	620	140	150×240	4-Φ14
	20	21									
	13.5	22									
65-315(I)G	65	121	37	54	3000	3	580	963	140	150×240	4-Φ18
	50	125									
	35	128									
65-315(I)G	32.5	30	5.5	61	1500	2.8	580	682	140	150×240	4-Φ16
	25	32									
	17.5	34									
65-315AG	31	110	22	40	3000	2.5	550	857	135	150×240	4-Φ16
	23.7	113									
	16.6	115									
65-315AG	15.2	27.5	3	40	1500	2.8	550	606	135	150×240	4-Φ14
	11.7	28									
	8.2	28.8									
65-315BG	29.2	98	18.5	39	3000	2.5	550	828	135	150×240	4-Φ16
	22.5	101									
	15.7	103									
65-315CG	26.8	83	15	38	3000	2.5	550	784	135	150×240	4-Φ16
	20.6	85									
	14.4	86									
65-315G	32.5	122	30	40	3000	2.5	550	949	135	150×240	4-Φ18
	25	125									
	17.5	127									
65-315G	16.3	31.5	4	41	1500	2.8	550	619	135	150×240	4-Φ14
	12.5	32									
	8.8	32.5									

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
80-100(I)AG	116	8.8	4	76	3000	4.5	460	575	140	120×180	4-Φ14
	89	10									
	62.6	11									
80-100(I)G	130	11	5.5	74	3000	4.5	460	615	140	120×180	4-Φ16
	100	12.5									
	70	13.6									
80-100AG	58	8	2.2	72	3000	3	400	558	130	100×160	4-Φ18
	44.7	10									
	31.3	11									
80-100G	65	10	2.2	73	3000	3	400	558	130	100×160	4-Φ18
	50	12.5									
	35	13.8									
80-125(I)AG	116	11	7.5	72	3000	4.5	435	679	150	120×180	4-Φ16
	89	16									
	62.6	19									
80-125(I)G	130	14	11	72	3000	4.5	435	796	150	120×180	4-Φ16
	100	20									
	70	23.5									
80-125(I)G	65	4	1.5	72	1500	2.8	435	568	150	120×180	4-Φ14
	50	5									
	35	6									
80-125AG	58	13.6	3	71	3000	3	400	618	120	100×160	4-Φ18
	45	16									
	31.3	17.5									
80-125G	65	17	4	72.5	3000	3	400	611	120	100×160	4-Φ18
	50	20									
	35	22									
80-125G	32.5	4.5	0.75	71	1500	2.8	400	500	130	100×160	4-Φ14
	25	5									
	17.5	5.6									
80-160(I)AG	121.6	21	11	74	3000	4.5	500	797	150	120×180	4-Φ16
	93.5	28									
	65.4	32									
80-160(I)AG	58	4	1.5	74	1500	2.8	500	540	150	120×180	4-Φ14
	44.7	6									
	31.3	7									
80-160(I)G	130	24	15	74	3000	4.5	500	797	150	120×180	4-Φ16
	100	32									
	70	36.5									
80-160(I)G	65	7	2.2	74	1500	2.8	500	536	150	120×180	4-Φ14
	50	8									
	35	9									
80-160AG	61	24	5.5	70	3000	3	400	710	125	100×160	4-Φ18
	46.7	28									
	32.7	30.6									
80-160AG	29.1	5.5	1.1	67	1500	2.8	400	511	130	100×160	4-Φ14
	22	6									
	15.7	7									
80-160BG	56.3	21	4	69	3000	3	400	613	125	100×160	4-Φ18
	43.3	24									
	30.3	26									
80-160G	65	28	7.5	71	3000	3	400	710	125	100×160	4-Φ18
	50	32									
	35	35									
80-160G	32.5	7.2	1.5	69	1500	2.8	400	536	130	100×160	4-Φ14
	25	8									
	17.5	9									
80-200(I)AG	121.6	37	18.5	73	3000	4.5	498	830	135	120×180	4-Φ16
	93.5	44									
	65.4	47.5									





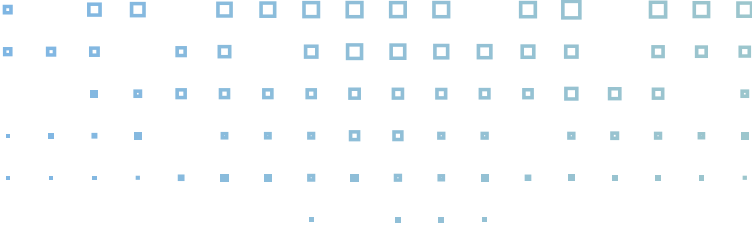
General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
80-200(I)BG	113 87 61	32 38 41	15	71	3000	4.5	498	786	135	120×180	4-Φ16
80-200(I)G	130 100 70	42 50 54	22	74	3000	4.5	498	859	135	120×180	4-Φ16
80-200(I)G	65 50 35	11 12.5 14	3	72	1500	2.8	498	608	135	120×180	4-Φ14
80-200AG	61 47 32.8	40 44 47	11	66	3000	3	428	761	130	100×160	4-Φ16
80-200AG	29.7 23.3 16.2	9 10 11	1.5	65	1500	2.8	428	533	130	100×160	4-Φ14
80-200BG	56.6 43.3 30.5	33.4 38 40.6	7.5	65	3000	3	428	645	130	100×160	4-Φ16
80-200G	65 50 35	46 50 53.5	15	67	3000	3	428	761	130	100×160	4-Φ16
80-200G	32.5 25 17.5	11.4 12.5 13.2	2.2	67	1500	2.8	428	583	130	100×160	4-Φ14
80-250(I)AG	121.6 93.5 65.4	59.5 70 73	30	68	3000	4	544	957	140	120×180	4-Φ18
80-250(I)AG	60 46 32	15 17 19	4	68	1500	2.8	544	624	140	120×180	4-Φ14
80-250(I)BG	53.6 40.5 29	11.5 13 14.5	3	66	1500	2.8	544	611	140	120×180	4-Φ14
80-250(I)G	130 100 70	68 80 87	37	69	3000	4	544	957	140	120×180	4-Φ18
80-250(I)G	65 50 35	18 20 22	5.5	69	1500	2.8	544	675	140	120×180	4-Φ16
80-250AG	61 46.7 32.5	63 70 73	18.5	59	3000	3	480	816	130	120×180	4-Φ16
80-250AG	29.3 22.2 15.9	14.8 15.8 17.5	3	58	1500	2.8	480	592	130	120×180	4-Φ14
80-250BG	56.6 43.3 30.5	54 60 62	15	58	3000	3	480	772	130	120×180	4-Φ16
80-250BG	27.2 20 13.5	12.2 12.8 13.6	2.2	58	1500	2.8	480	592	130	120×180	4-Φ14
80-250G	65 50 35	72 80 83	22	59	3000	3	480	845	130	120×180	4-Φ16
80-250G	32.5 25 17.5	18 20 21	4	60	1500	2.8	480	605	130	120×180	4-Φ14
80-315(I)AG	123.6 95 66.5	103 113 119	55	66	3000	4	640	1102	130	160×220	4-Φ18

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
80-315(I)AG	60 46 32	26 27.9 30	7.5	66	1500	2.8	640	697	130	160×220	4-Φ16
80-315(I)BG	117 90 63	92 101 106.6	45	64	3000	4	640	995	130	160×220	4-Φ18
80-315(I)BG	53.6 40.5 29	19 21 23	5.5	64	1500	2.8	640	673	130	160×220	4-Φ16
80-315(I)CG	107 82 58	76 85 90	37	60	3000	4	640	954	130	160×220	4-Φ18
80-315(I)G	130 100 70	114 125 132	75	66	3000	4	640	1135	130	160×220	4-Φ18
80-315(I)G	65 50 35	30 31 32	11	66	1500	2.8	640	789	130	160×220	4-Φ16
80-315AG	60.5 46.7 32.5	107.4 110 112.6	30	53	3000	3	580	962	145	150×240	4-Φ18
80-315AG	29.4 23 16.2	26 27.9 29	4	51	1500	2.8	580	632	145	150×240	4-Φ14
80-315BG	58 44.5 31	98 100 102.5	30	51	3000	3	580	962	145	150×240	4-Φ18
80-315CG	53.6 41 29	83 85 87	22	51	3000	3	580	870	145	150×240	4-Φ16
80-315G	65 50 35	122 125 128	37	54	3000	3	580	962	145	150×240	4-Φ18
80-315G	32.5 25 17.5	31.5 32 34	5.5	53	1500	2.8	580	681	145	150×240	4-Φ16
100-100AG	116 89 62.6	8.8 10 11	4	74	3000	4.5	454	621	140	120×180	4-Φ14
100-100G	130 100 70	11 12.5 13.6	5.5	76	3000	4.5	454	669	140	120×180	4-Φ16
100-125AG	116 89 62.6	11 16 19	7.5	75	3000	4.5	435	679	150	120×180	4-Φ16
100-125G	130 100 70"	14 20 23.5	11	76	3000	4.5	435	796	150	120×180	4-Φ16
100-125G	65 50 35	4 5 6	1.5	75	1500	3	435	568	150	120×180	4-Φ14
100-160(I)AG	167 140 84	25.5 28 32.5	18.5	76	3000	4	535	854	165	150×240	4-Φ16
100-160(I)AG	92 72 48	5 6 7	3	73	1500	3	535	611	165	150×240	4-Φ14
100-160(I)BG	163 135 80	21 24 27	15	74	3000	4	535	810	165	150×240	4-Φ16





General Parameter Table

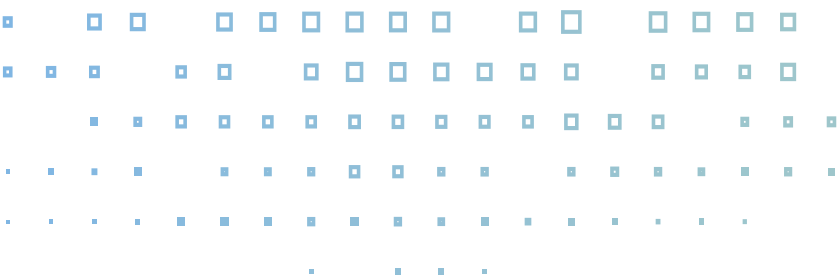
Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
100-160(I)G	192 160 96	28 32 36	22	78	3000	4	535	883	165	150×240	4-Φ16
100-160(I)G	105 80 56	7 8 9	4	74	1500	3	535	624	165	150×240	4-Φ14
100-160AG	121.6 93.5 65.4	21 28 32	11	74	3000	4.5	500	798	150	120×180	4-Φ16
100-160AG	60 46 32	5 6 7	1.5	73	1500	3	500	541	150	120×180	4-Φ14
100-160G	130 100 70	24 32 36.5	15	76	3000	4.5	500	798	150	120×180	4-Φ16
100-160G	65 50 35	6.8 8 9.2	2.2	75	1500	3	500	541	150	120×180	4-Φ14
100-200(I)AG	167 140 84	41.5 45 49.4	30	76	3000	4	560	966	150	200×250	4-Φ18
100-200(I)AG	92 72 48	9 10 11	4	73	1500	3	560	636	150	200×250	4-Φ14
100-200(I)BG	130 100 70	36.2 40 46.2	22	75	3000	4	560	874	150	200×250	4-Φ16
100-200(I)G	192 160 96	46 50 55	37	78	3000	4	560	966	150	200×250	4-Φ18
100-200(I)G	105 80 56	11 12.5 14	5.5	74	1500	3	560	685	150	200×250	4-Φ16
100-200AG	121.6 93.5 65.4	37 44 47.5	18.5	73	3000	4	500	833	140	120×180	4-Φ16
100-200AG	58 44.7 31.3	9 10 11	2.2	72	1500	3	500	611	140	120×180	4-Φ14
100-200BG	113 87 61	32 38 41	15	71	3000	4	500	789	140	120×180	4-Φ16
100-200G	130 100 70	42 50 54	22	74	3000	4	500	862	140	120×180	4-Φ16
100-200G	65 50 35	10.5 12.5 13.5	3	74	1500	3	500	611	140	120×180	4-Φ14
100-250(I)AG	167 140 84	68 72 76	45	74	3000	4	625	1010	150	200×250	4-Φ18
100-250(I)AG	121.6 93.3 65.4	15 17.4 20	7.5	68	1500	3	625	712	150	200×250	4-Φ16
100-250(I)BG	130 100 70	61 65 68	37	73	3000	4	625	969	150	200×250	4-Φ18
100-250(I)BG	88 69 47	13 15 17	5.5	65	1500	3	625	688	150	200×250	4-Φ16

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
100-250(I)G	192 160 96	76 80 85	55	76	3000	4	625	1117	150	200×250	4-Φ18
100-250(I)G	130 100 70	18 20 22	11	69	1500	3	625	804	150	200×250	4-Φ16
100-250AG	121.6 93.5 65.4	59.5 70 76	30	68	3000	4	546	957	140	120×180	4-Φ18
100-250AG	60 46 32	15 17 19	4	68	1500	3	546	624	140	120×180	4-Φ14
100-250BG	53.6 40.5 29	11 13 15	3	65	1500	3	546	611	140	120×180	4-Φ14
100-250G	130 100 70	68 80 87	37	69	3000	4	546	957	140	120×180	4-Φ18
100-250G	65 50 35	18 20 21.8	5.5	70	1500	3	546	675	140	120×180	4-Φ16
100-315(I)AG	167 140 84	106 110 113	75	68	3000	4	630	1170	160	200×250	4-Φ18
100-315(I)AG	89 70 49	24 27.5 31	11	64	1500	3	630	824	160	200×250	4-Φ16
100-315(I)BG	162 134 76	84 88 91	55	66	3000	4	630	1137	160	200×250	4-Φ18
100-315(I)BG	78 60 42	20 22 24	7.5	63	1500	3	630	732	160	200×250	4-Φ16
100-315(I)G	192 160 96	121 125 128	90	68	3000	4	630	1220	160	200×250	4-Φ18
100-315(I)G	105 80 56	29 32 36	15	66	1500	3	630	868	160	200×250	4-Φ16
100-315AG	114 95 66.5	103 113 119	55	66	3000	4	645	1135	160	185×270	4-Φ18
100-315AG	61 46.7 32.8	26 27.9 30	7.5	64	1500	3	645	730	160	185×270	4-Φ16
100-315BG	108 90 63	92 101 106.6	45	65	3000	4	645	1028	160	185×270	4-Φ18
100-315BG	53.6 40.5 29	19.3 21 22.5	5.5	63	1500	3	645	706	160	185×270	4-Φ16
100-315CG	107 82 58	76 85 90	37	63	3000	4	645	987	160	185×270	4-Φ18
100-315G	130 100 70	114 125 132	75	66	3000	4	645	1168	160	185×270	4-Φ18
100-315G	65 50 35	30 32 34	11	66	1500	3	645	822	160	185×270	4-Φ16







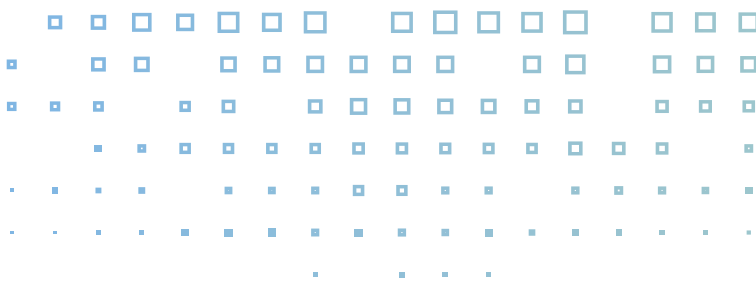
General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
125-100AG	169 143 87	9.6 10 10.4	7.5	77	3000	4	480	615	140	120×180	4-Φ16
125-100G	192 160 96	12 12.5 13	11	80	3000	4	480	715	140	120×180	4-Φ16
125-125AG	169 143 87	13.6 16 18	11	76	3000	4	500	797	150	120×180	4-Φ16
125-125G	192 160 96	17 20 22.6	15	78	3000	4	500	797	150	120×180	4-Φ16
125-125G	130 100 70	4 5 6	2.2	78	1500	3	500	700	150	120×180	4-Φ14
125-160AG	180 150 90	24.5 28 31.5	18.5	76	3000	4	530	853	165	150×240	4-Φ16
125-160BG	166 138 83	21 24 27	15	73	3000	4	530	809	165	150×240	4-Φ16
125-160G	192 160 96	28 32 36	22	78	3000	4	530	882	165	150×240	4-Φ16
125-200AG	180 150 90	40.5 44 48.4	30	75	3000	4.5	680	1030	200	190×240	4-Φ18
125-200AG	95 75 52	9 11 13	4	73	1500	3	680	700	200	190×240	4-Φ14
125-200BG	166 138 83	34.5 37.5 41.3	22	73	3000	4.5	680	938	200	190×240	4-Φ16
125-200G	192 160 96	46 50 55	37	77	3000	4.5	680	1030	200	190×240	4-Φ18
125-200G	105 80 56	11.5 12.5 14	5.5	75	1500	3	680	749	200	190×240	4-Φ16
125-250(I)AG	240 185 129	14.4 17 18.5	15	78	1500	3	700	820	200	210×260	4-Φ16
125-250(I)G	260 200 140	17 20 21.8	18.5	79	1500	3	700	855	200	210×260	4-Φ16
125-250AG	180 150 90	64 70 76	45	74	3000	4.5	625	1027	150	200×250	4-Φ18
125-250AG	121.3 93.3 65.4	16 17.4 19	7.5	73	1500	3	625	729	150	200×250	4-Φ16
125-250BG	166 138 83	55 60 65	37	73	3000	4.5	625	986	150	200×250	4-Φ18
125-250BG	113 87 61	14 15 16.3	5.5	73	1500	3	625	705	150	200×250	4-Φ16
125-250G	192 160 96	76 80 85	55	65	3000	4.5	625	1134	150	200×250	4-Φ18

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
125-250G	130 100 70	18.3 20 22	11	74	1500	3	625	821	150	200×250	4-Φ16
125-315(I)AG	243 187 131	24.5 28 29.5	22	77	1500	3	765	900	205	210×260	4-Φ16
125-315(I)BG	225 173 121	21 24 25	18.5	75	1500	3	765	860	205	210×260	4-Φ16
125-315(I)G	260 200 140	28 32 33.8	30	78	1500	3	765	940	205	210×260	4-Φ18
125-315AG	180 150 90	104.6 110 117	75	69	3000	4.5	680	1192	190	230×280	4-Φ18
125-315AG	89 70 49	25.6 27 28	11	71	1500	3	680	846	190	230×280	4-Φ16
125-315BG	162 134 80	86 88 96	55	68	3000	4.5	680	1159	190	230×280	4-Φ18
125-315BG	78 60 42	20 22 24	7.5	70	1500	3	680	754	190	230×280	4-Φ16
125-315G	192 160 96	119 125 133	90	70	3000	4.5	680	1242	190	230×280	4-Φ18
125-315G	105 80 56	30.5 32 33.5	15	71	1500	3	680	890	190	230×280	4-Φ16
150-125G	192 160 96	17 20 22.6	15	76	3000	4.5	520	805	150	150×240	4-Φ16
150-160AG	180 150 90	24 28 30.5	18.5	76	3000	4.5	524	845	155	150×240	4-Φ16
150-160BG	167 140 84	21 24 26.5	15	76	3000	4.5	524	801	155	150×240	4-Φ16
150-160G	192 160 96	28 32 35	22	75	3000	4.5	524	874	155	150×240	4-Φ16
150-200AG	150 120 81	8.5 10 11	7.5	76	1500	3	680	773	200	190×240	4-Φ16
150-200BG	260 200 140	30 34 36.5	37	74	3000	4.5	680	1030	200	190×240	4-Φ18
150-200CG	180 150 90	40 44 47	30	74	3000	4.5	680	1030	200	190×240	4-Φ18
150-200DG	166 138 83	34 38 40.5	22	73	3000	4.5	680	938	200	190×240	4-Φ16
150-200G	180 150 110	10.6 12.5 13.8	11	78	1500	3	680	865	200	190×240	4-Φ16
150-250AG	180 150 90	64 70 76	55	75	3000	4.5	700	1177	200	210×260	4-Φ18



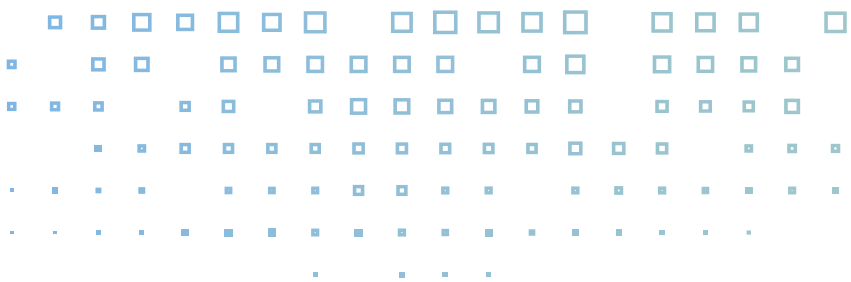


General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
150-250AG	240	14.4	11	78	1500	3	700	908	200	210×260	4-Φ16
	130	15									
	129	18.5									
150-250BG	166	55	45	74	3000	4.5	700	1070	200	210×260	4-Φ18
	138	60									
	83	65									
150-250BG	215	12	7.5	75	1500	3	700	864	200	210×260	4-Φ16
	100	13									
	115	15.2									
150-250G	192	76	75	76	3000	4.5	700	1210	200	210×260	4-Φ18
	160	80									
	96	85									
150-250G	260	17	15	79	1500	3	700	937	200	210×260	4-Φ16
	150	20									
	140	21.8									
150-315AG	243	24.5	22	77	1500	3.5	760	973	200	200×250	4-Φ16
	187	28									
	131	29.5									
150-315BG	225	21	18.5	77	1500	3.5	760	935	200	200×250	4-Φ16
	173	24									
	121	25									
150-315G	260	28	30	78	1500	3	760	1027	200	200×250	4-Φ18
	200	32									
	140	33.8									
200-200(I)AG	465	8.5	18.5	78	1500	4	820	910	255	250×320	4-Φ16
	358	10									
	250	10.7									
200-200(I)G	520	10.5	22	80	1500	4	820	950	255	250×320	4-Φ16
	400	12.5									
	280	13.4									
200-200AG	232.5	8.5	7.5	76	1500	3	660	782	210	250×320	4-Φ16
	179	10									
	125	11									
200-200G	260	10.6	11	78	1500	3	660	874	210	250×320	4-Φ16
	200	12.5									
	140	13.8									
200-250(I)AG	465	11.2	22	78	1500	4	830	915	220	250×320	4-Φ18
	358	16									
	250	18									
200-250(I)BG	419	7.3	18.5	75	1500	4	830	875	220	250×320	4-Φ16
	322	13									
	226	14.4									
200-250(I)G	520	14	30	80	1500	4	830	955	220	250×320	4-Φ18
	400	20									
	280	22.2									
200-250AG	240	14.4	15	78	1500	3	745	918	210	250×320	4-Φ16
	185	17									
	129	18.5									
200-250BG	421	50	90	74	3000	4.5	745	1270	210	250×320	4-Φ18
	320	56									
	210	61									
200-250BG	232.5	12	11	76	1500	3	745	874	210	250×320	4-Φ16
	179	14									
	125	15.2									
200-250G	260	17	18.5	79	1500	3	745	947	210	250×320	4-Φ16
	200	20									
	140	21.8									
200-315(I)AG	486	23	45	79	1500	4	890	1160	240	250×320	4-Φ18
	374	28									
	262	31.5									

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
200-315(I)BG	450	19.5	37	77	1500	4	890	1160	240	250×320	4-Φ18
	346	24									
	242	27									
200-315(I)G	520	26	55	80	1500	4	890	1230	240	250×320	4-Φ18
	400	32									
	280	36									
200-315AG	243	24.5	22	77	1500	3.5	800	985	210	210×260	4-Φ16
	187	28									
	131	29.5									
200-315BG	225	21	18.5	75	1500	3.5	800	947	210	210×260	4-Φ16
	173	24									
	121	25									
200-315G	260	28	30	78	1500	3.5	800	1039	210	210×260	4-Φ18
	200	32									
	140	33.8									
200-400(I)AG	486	34	75	80	1500	4	886	1262	240	250×320	4-Φ18
	374	44									
	262	48									
200-400(I)BG	450	29	55	78	1500	5	886	1229	240	250×320	4-Φ18
	346	35									
	242	41									
200-400(I)CG	380	25	45	76	1500	5	886	1122	240	250×320	4-Φ18
	320	30									
	200	35									
200-400(I)DG	350	45	75	76	1500	5	886	1262	240	250×320	4-Φ18
	300	50									
	187	55									
200-400(I)EG	326	39	55	75	1500	5	886	1229	240	250×320	4-Φ18
	280	44									
		49									
200-400(I)FG	225	33	45	75	1500	5	886	1122	240	250×320	4-Φ18
	173	38									
	121	43									
200-400(I)G	520	39	90	81	1500	4	886	1312	240	250×320	4-Φ18
	400	50									
	280	55									
200-400(I)GG	297	27	37	74	1500	5	886	1122	240	250×320	4-Φ18
	245	32									
	151	37									
200-400AG	243	38.3	37	74	1500	3.5	860	1098	230	250×320	4-Φ18
	187	44									
	131	46.4									
200-400BG	226.5	33	30	73	1500	3.5	860	1057	230	250×320	4-Φ18
	174	38									
	122	40									
200-400CG	192	28	22	71	1500	3.5	860	1003	230	250×320	4-Φ18
	160	32									
	96	34									
200-400G	260	44	45	75	1500	3.5	860	1098	230	250×320	4-Φ18
	200	50									
	140	53									
200-500(I)AG	486	61	110	78	1500	5	1100	1610	240	320x250	4-Φ18
	374	70									
	262	76.5									
200-500(I)BG	450	52.5	90	84	1500	5	1100	1580	240	320x250	4-Φ18
	346	60									
	242	65									
200-500(I)CG	380	44	75	82	1500	5	1100	1410	240	320x250	4-Φ18
	320	50									
	200	55									



General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
200-500(I)G	520	70	132	78	1500	5	886	1610	240	250×320	4-Φ18
	400	80									
	280	88									
200-500AG	236	64	75	70	1500	3.5	1100	1580	240	250×320	4-Φ18
	182	70.5									
	127	76									
200-500BG	215	57	55	70	1500	3.5	1100	1410	240	250×320	4-Φ18
	167	62									
	115	67									
200-500G	260	74	90	70	1500	3.5	1100	1610	240	250×320	4-Φ18
	200	80									
	140	87									
250-250AG	600	14.5	37	80	1500	5	950	1122	310	300×350	4-Φ18
	500	17									
	285	19									
250-250G	670	17	45	82	1500	5	950	1122	310	300×350	4-Φ18
	550	20									
	320	23									
250-315AG	600	24.5	55	80	1500	5	1090	1297	300	300×350	4-Φ18
	500	28									
	300	31									
250-315BG	550	21	45	78	1500	5	1090	1200	300	300×350	4-Φ18
	450	24									
	277	27									
250-315G	640	28	75	80	1500	5	1090	1333	300	300×350	4-Φ18
	550	32									
	320	35									
250-400AG	600	40	90	78	1500	5	1200	1460	320	350×450	4-Φ18
	500	44									
	300	47									
250-400BG	554	35	75	80	1500	5	1200	1400	320	350×450	4-Φ18
	460	38									
	277	41									
250-400G	640	46	110	80	1500	5	1200	1560	320	350×450	4-Φ18
	550	50									
	320	54									
250-500AG	624	67	160	78	1500	5	1300	1730	320	350×450	4-Φ18
	510	70									
	312	78									
250-500BG	570	56	132	77	1500	5	1300	1690	320	350×450	4-Φ18
	470	60									
	275	64									
250-500CG	558	47	110	83	1500	5	1300	1690	320	350×450	4-Φ18
	430	50									
	254	53									
250-500G	660	75	185	79	1500	5	1300	1915	320	350×450	4-Φ18
	550	80									
	330	85									
300-250AG	800	13	45	81	1500	5	1250	1402	385	350×450	4-Φ18
	600	17									
	400	19.5									
300-250G	900	17	55	81	1500	5	1250	1505	385	350×450	4-Φ18
	720	20									
	450	24									
300-315AG	840	22	75	78	1500	4.8	1000	1480	360	400×500	4-Φ18
	637	28									
	420	32									
300-315BG	720	19	55	78	1500	4.8	1000	1480	360	400×500	4-Φ18
	563	24									
	370	28									

General Parameter Table

Model	Flow (m³/h)	Head Range (m)	Motor Power (kW)	Efficiency (%)	Speed (r/min)	Required NPSH (m)	L	H	h	B1×C1	4-Φd
300-315G	900	27	90	80	1500	4.8	1000	1530	360	400×500	4-Φ18
	720	32									
	430	37									
300-400AG	840	37	110	78	1500	4.5	1500	1730	360	400×500	4-Φ18
	662	44									
	420	48									
300-400BG	780	32	90	77	1500	77	1500	1700	360	400×500	4-Φ18
	609	38									
	390	42									
300-400CG	690	27	75	80	1500	80	1500	1530	360	400×500	4-Φ18
	536	31									
	330	35									
300-400G	900	44	132	80	1500	80	1500	1770	360	400×500	4-Φ18
	720	50									
	450	56									
300-500AG	840	64	200	78	1500	78	1500	1955	360	400×500	4-Φ18
	675	70									
	420	76									
300-500BG	780	54	160	77	1500	77	1300	1955	360	400×500	4-Φ18
	625	60									
	390	65									
300-500CG	720	47	110	82	1500	82	1300	1770	360	400×500	4-Φ18
	570	52									
	360	57									
300-500G	900	74	250	79	1500	79	1500	1955	360	400×500	4-Φ18
	720	80									
	450	86									
350-250AG	1300	13.5	75	81	1500	81	1100	1530	410	500×600	4-Φ18
	1080	16									
	650	19.5									
350-250G	1440	17	90	81	1500	81	1100	1580	410	500×600	4-Φ18
	1200	20									
	720	24									
350-315AG	1340	24	132	78	1500	78	1200	1750	410	500×600	4-Φ18
	1120	28									
	670	31.5									
350-315BG	1250	20	110	80	1500	80	1200	1580	410	500×600	4-Φ18
	1040	24									
	625	27									
350-315G	1440	27	160	79	1500	79	1400	1690	380	400×500	4-Φ18
	1200	32									
	720	35									
350-400AG	1320	40	220	78	1500	78	1500	2180	380	400×500	4-Φ18
	1100	44									
	650	46.5									
350-400BG	1210	34.5	200	77	1500	77	1500	1780	380	400×500	4-Φ18
	1000	38									
	600	42									
350-400CG	1080	28.5	160	80	1500	80	1300	1780	410	500×600	4-Φ18
	905	31									
	540	35									
350-400G	1440	45	250	79	1500	79	1300	2005	410	500×600	4-Φ18
	1200	50									
	720	55									



### Minimum NPSH

#### Calculation of minimum NPSH

If the pressure in pump is lower than the vapor pressure of the medium, cavitation will occur, thus affecting the performance of the pump. To avoid the cavitation and ensure that the pump inlet has a minimum pressure, maximum suction head (H, unit: m) should be calculated as follows:

$$H=P_b\times 10.2-NPSH-H_f-H_v-H_s$$

**P<sub>b</sub>**: Atmospheric pressure, bar (In the closed pipeline system, it can be considered as the system pressure);

**NPSH**: Net positive suction head, m (Value at maximum flow of the -NPSH curve);

**H<sub>f</sub>**: Friction head loss in suction pipes (Value at maximum flow of the corresponding pipe);

**H<sub>v</sub>**: Vapor pressure of medium, m (Vaporization value of medium at corresponding temperature, the default medium is water, as shown in Figure 4 on the right);

**H<sub>s</sub>**: Safety margin, m, the general value is 0.5.

Calculation result: If H is positive, the pump is installed in suction way; otherwise, it will be installed in downdraft way.

It is not necessary to conduct the aforesaid calculation under general conditions. Only when we use the pump in the following situations do we need to calculate the H:

- Medium temperature is high

● The velocity of flow is larger than rated value

● Suction head is big or inlet pipeline is long

● System pressure is too low

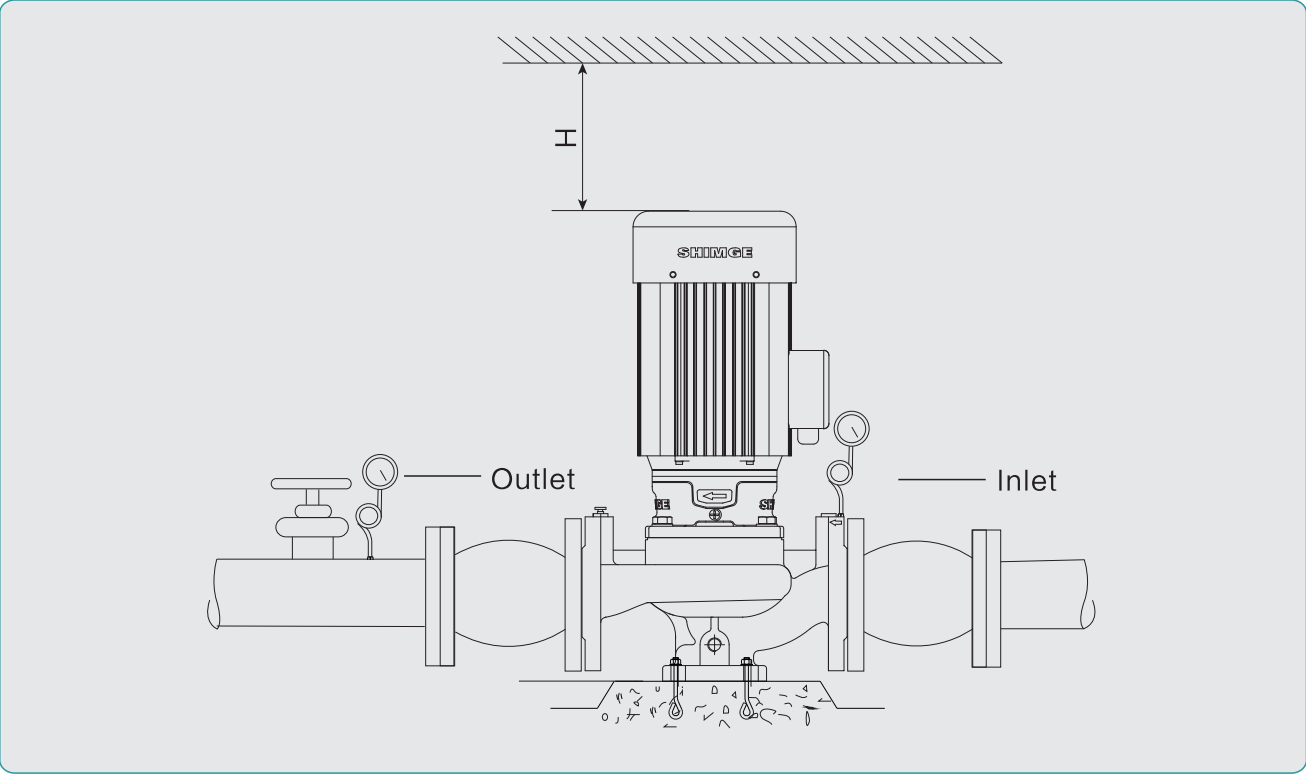
● Inlet condition is poor



### Pump Installation Instructions

#### Requirements for H in pump house spaces

- P2≤7.5kW, H must ensure that there is 500mm of airspace
- P2 ≥ 11kW, H must ensure that there is 1,500mm of airspace,
- Purpose: To ensure that the pump house has enough space, the ventilation system is scientific and conducive to the flow of air, which can meet the heat dissipation performance of the motor; meanwhile, it is convenient to maintain the operating space of the electric pump.

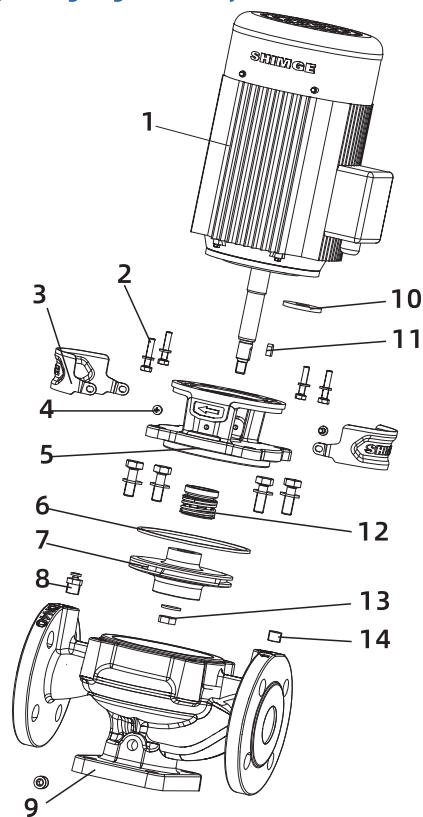


#### Calculating cement base size of pump foundation

- According to the requirements of vibration and noise during the operation of the pump, it is recommended to install the electric pump on a cement base with reliable design calculation, and if possible, add vibration isolation pads between the pump and the base.
- For the determination of the base size, the base weight is at least 1.5~3 times the weight of the electric pump according to experience and the following formula is given for the reference:
- **Length:** L=2×pump length
- **Width:** B=L
- **Height:** h, the general value is 150~250mm
- **Suggestion:** 150mm for P2≤7.5kW, 200mm for 11≤P2≤18.5kW, and 250mm for P2=22

#### Reasonable arrangement of hydraulic components such as pipe fittings, valves and pressure gauges

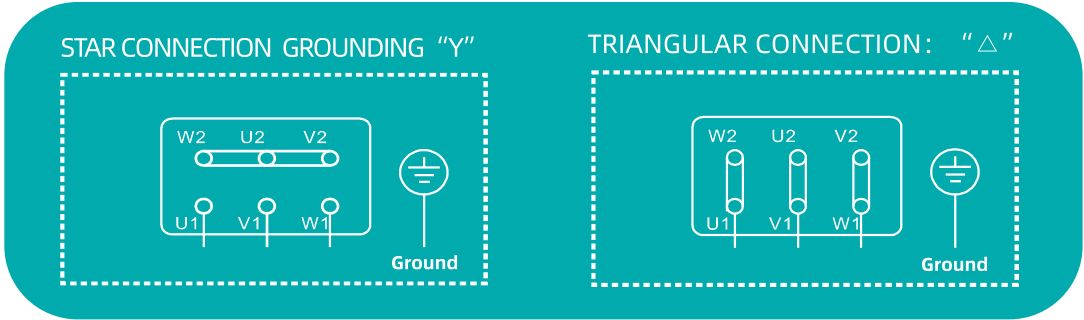
- The pump pipe should be designed as short as possible, with elbows and valves as few as possible, and the water inlet diameter should be at least one gear larger than the pump diameter. Please consult the professional design institute for details.



Exploded View

No.	Name	Material
1	Motor	/
2	Bolts, flat washers	/
3	Protective sheet	ABS
4	Cross recessed pan head screws	Q235A
5	Connector	HT200
6	O-ring seal	NBR
7	Impeller	HT200/304
8	Vent valve G1/4	H59
9	Pump body	HT200
10	Water fender	NBR
11	Flat key joint	45
12	Mechanical seal	Graphite/silicon carbide
13	Impeller locking device	304
14	Pipe plug G1/4	304

Motor Wiring Diagram



Noise Level

Motor power (kW)	2900r/min L <sub>pA</sub> -dB(A)
0.75	56
1.1	57
1.5	61
2.2	61
3	63
4	65
5.5	68
7.5	68