CENTRIFUGAL PUMP

CLH80-160 Vertical Centrifugal Sea Water Marine Pump

ISO9001 Supplier

Class Certificate

Export Supply

CLH80-160 Vertical Centrifugal Sea Water Marine Pump 1、 Product Overview: The CLH and PVH series single-stage single suction pipeline centrifugal pumps are designed by our unit's scientific and technological ...



Key Highlights

Category	Centrifugal Pump
Standard	ISO
Material	The shaft seal adopts mechanical seals or a combination of mechanical se...
Weight / Size	The impeller is directly installed on the extended shaft of the motor, w...
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications			
Category	Centrifugal Pump	**Model / SKU**	CLH80-160-Vertical-Centrifugal-Sea-Water-Marine-Pump
Standard	ISO	**Material**	The shaft seal adopts mechanical seals or a combination of mechanical seals, using imported titanium alloy sealing rings, medium high temperature resistant mechanical seals, and hard alloy materials for wear-resistant seals, which can effectively increase the service life of mechanical seals.
Weight / Size	The impeller is directly installed on the extended shaft of the motor, with a short axial size and a compact structure.	**Certificate**	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	**Origin**	China

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CLH80-160 Vertical Centrifugal Sea Water Marine Pump

1、 Product Overview:

The CLH and PVH series single-stage single suction pipeline centrifugal pumps are designed by our unit's scientific and technological personnel in collaboration with domestic pump experts, using excellent hydraulic models and the performance parameters of IS centrifugal pumps. They are cleverly combined and designed on the basis of general vertical pumps. At the same time, ISG pumps and oil pumps suitable for hot water, high temperature, and corrosive chemicals are derived based on different operating temperatures, media, and other ISG types. This series of products has advantages such as high efficiency, energy conservation, low noise, and reliable performance. Complies with the latest JB/T53058-93 standard requirements of the Ministry of Machinery of China. The product is designed and manufactured according to the international ISO2858 standard.

2、 Features:

1. The pump is a vertical structure with the same inlet and outlet diameters and located on the same centerline. It can be installed in pipelines like a valve, with a compact and beautiful appearance, small footprint, and low building investment. If a protective cover is added, it can be used outdoors.

2. The impeller is directly installed on the extended shaft of the motor, with a short axial size and a compact structure. The pump and motor bearings are configured reasonably, which can effectively balance the radial and axial loads generated during pump operation, ensuring smooth pump operation and low vibration noise.

3. The shaft seal adopts mechanical seals or a combination of mechanical seals, using imported titanium alloy sealing rings, medium high temperature resistant mechanical seals, and hard alloy materials for wear-resistant seals, which can effectively increase the service life of mechanical seals.

4. Easy installation and maintenance, no need to dismantle the pipeline system, as long as the pump coupling seat nut is removed, all rotor components can be extracted.

5. The pump can be operated in series or parallel according to the requirements of flow rate and head.

6. According to the requirements of pipeline layout, pumps can be installed vertically and horizontally.

3、 Usage:

1. CLH and PVH vertical pipeline centrifugal pumps are used for conveying clean water and other liquids with physical and chemical properties similar to clean water. They are suitable for industrial and urban water supply and drainage, pressurized water supply in high-rise buildings, garden sprinkler irrigation, fire pressurization, long-distance transportation, and HVAC refrigeration cycles. Bathroom and other cold and warm water circulation pressurization and equipment matching, with a usage temperature of T ＜ 80 ℃.

2. CLH and PVH (RG) vertical hot water (high temperature) circulation pumps are widely used in energy, metallurgy, chemical, textile, papermaking, as well as boiler high-temperature hot water booster circulation transportation and urban heating system circulation pumps in hotels and restaurants. The IRG type uses a temperature T ＜ 120 ℃, and the GRG type uses a temperature T ＜ 240 ℃.

Techincal data:

Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
15-80	1.1	0.3	8.5	26	2800	0.18	2.3	17
	1.5	0.42	8	34				
	2	0.55	7	34				
20-110	1.8	0.5	16	25	2800	0.37	2.3	25
	2.5	0.69	15	34				
	3.3	0.91	13.5	35				
20-160	1.8	0.5	33	19	2900	0.75	2.3	29
	2.5	0.69	32	25				
	3.3	0.91	30	23				
25-110	2.8	0.78	16	34	2900	0.55	2.3	26
	4	1.11	15	42				
	5.2	1.44	13.5	41				
25-125	2.8	0.78	20.6	28	2900	0.75	2.3	28
	4	1.11	20	36				
	5.2	1.44	18	35				
25-125A	2.5	0.69	17	35	2900	0.55	2.3	27
	3.6	1	16					
	4.6	1.28	14.4					

25-160	2.8	0.78	33	24	2900	1.5	2.3	39
	4	1.11	32	32				
	5.2	1.44	30	33				
25-160A	2.6	0.12	29	31	2900	1.1	2.3	34
	3.7	1.03	28					
	4.9	1.36	26					
32-100(I)	4.4	1.22	13.2	48	2900	0.75	2	32
	6.3	1.75	12.5	54				
	8.3	2.32	11.3	53				
32-125	3.5	0.97	22	40	2900	0.75	2.3	28
	5	1.39	20	44				
	6.5	1.8	18	42				
32-125A	3.1	0.86	17.6	43	2900	0.55	2.3	28
	4.5	1.25	16					
	5.8	1.61	14.4					
32-160(I)	4.4	1.22	33.2	34	2900	2.2	2	47
	6.3	1.75	32	40				
	8.3	2.32	30.2	42				
32-200(I)	4.4	1.22	50.5	26	2900	4	2	43
	6.3	1.75	50	33				
	8.3	2.32	48	35				
32-200A	2.8	0.78	44.6	34	2900	2.2	2	74
	4	1.11	44	40				
	5.2	1.44	42.7	42				
40-100	4.4	1.22	13.2	48	2900	0.55	2.3	32
	6.3	1.75	12.5	54				
	8.3	2.31	11.3	53				
40-100A	3.9	1.08	10.6	52	2900	0.37	2.3	32
	5.6	1.56	10					
	7.4	2.06	9					
40-125	4.4	1.22	21	41	2900	1.1	2.3	34
	6.3	1.75	20	46				
	8.3	2.31	18	43				

40-125A	3.9	1.08	17.6	40	2900	0.75	2.3	33
	5.6	1.56	16	45				
	7.4	2.06	14.4	41				
40-160	4.4	1.22	33	35	2900	2.2	2.3	47
	6.3	1.75	32	40				
	8.3	2.31	30	40				
40-160A	4.1	1.14	29	34	2900	1.5	2.3	43
	5.9	1.64	28	39				
	7.8	2.17	26.3	39				
40-160B	3.8	1.06	25.5	34	2900	1.1	2.3	38
	5.5	1.53	24	38				
	7.2	2	22.5	37				
40-200	4.4	1.22	51	26	2900	4	2.3	74
	6.3	1.75	50	33				
	8.3	2.31	48	32				
40-200A	4.1	1.14	45	26	2900	3	2.3	62
	5.9	1.64	44	31				
	7.8	2.17	42	30				
40-200B	3.7	1.03	38	29	2900	2.2	2.3	52
	5.3	1.47	36					
	7	1.94	34.5					
40-250	4.4	1.22	82	24	2900	7.5	2.3	105
	6.3	1.75	80	28				
	8.3	2.31	74	28				
40-250A	4.1	1.14	72	24	2900	5.5	2.3	98
	5.9	1.64	70	28				
	7.8	2.17	65	27				
40-250B	3.8	1.06	61.5	23	2900	4	2.3	77
	5.5	1.53	60	27				
	7	1.94	56	26				
40-100(I)	8.8	2.44	13.2	55	2900	1.1	2.3	34
	12.5	3.47	12.5	62				
	16.3	4.53	11.3	60				

40-100(I)A	8	2.22	10.6	60	2900	0.75	2.3	32
	11	3.05	10					
	14.5	4.03	9					
40-125(I)	8.8	2.44	21.2	49	2900	1.5	2.3	38
	12.5	3.47	20	58				
	16.3	4.53	17.8	57				
40-125(I)A	8	2.22	17	57	2900	1.1	2.3	33
	11	3.05	16					
	14.5	4.03	14					
40-160(I)	8.8	2.44	33	45	2900	3	2.3	56
	12.5	3.47	32	52				
	16.3	4.53	30	51				
40-160(I)A	8.2	2.28	29	44	2900	2.2	2.3	47
	11.7	3.25	28	51				
	15.2	4.22	26	50				
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
40-160(I)B	7.3	2.38	23	50	2900	1.5	2.3	43
	10.4	2.89	22					
	13.5	3.75	20.5					
40-200(I)	8.8	2.44	51.2	38	2900	5.5	2.3	85
	12.5	3.47	50	46				
	16.3	4.53	48	46				
40-200(I)A	8.3	2.31	45	37	2900	4	2.3	75
	11.7	3.25	44	45				
	15.3	4.25	42	45				
40-200(I)B	7.5	2.08	37	44	2900	3	2.3	63
	10.6	2.94	36					
	13.8	3.83	34					
40-250(I)	8.8	2.44	81.2	31	2900	11	2.3	145
	12.5	3.47	80	38				
	16.3	4.53	77.5	40				

40-250(I)A	8.2	2.28	71	38	2900	7.5	2.3	95
	11.6	3.22	70					
	15.2	4.22	68					
40-250(I)B	7.6	2.11	61.4	37	2900	7.5	2.3	94
	10.8	3	60					
	14	3.89	58					
40-250(I)C	7.1	1.97	53.2	36	2900	5.5	2.3	88
	10	2.78	52					
	13.1	3.64	50.4					
50-100	8.8	2.44	13.6	55	2900	1.1	2.3	36
	12.5	3.47	12.5	62				
	16.3	4.53	11.3	60				
50-100A	8	2.22	11	60	2900	0.75	2.3	35
	11	3.05	10					
	14.5	4.03	9					
50-125	8.8	2.44	21.5	49	2900	1.5	2.3	43
	12.5	3.47	20	58				
	16.3	4.53	17.8	57				
50-125A	8	2.22	17	57	2900	1.1	2.3	38
	11	3.05	16					
	14.5	4.03	14					
50-160	8.8	2.44	33	45	2900	3	2.3	59
	12.5	3.47	32	52				
	16.3	4.53	30	51				
50-160A	8.2	2.82	29	44	2900	2.2	2.3	51
	11.7	3.25	28	51				
	15.2	4.22	26	50				
50-160B	7.3	2.38	23	50	2900	1.5	2.3	47
	10.4	2.89	22					
	13.5	3.75	20.5					
50-200	8.8	2.44	52	38	2900	5.5	2.3	101
	12.5	3.47	50	46				
	16.3	4.53	48	46				

50-200A	8.3	2.31	45.8	37	2900	4	2.3	80
	11.7	3.25	44	45				
	15.3	4.25	42	45				
50-200B	7.5	2.08	37	44	2900	3	2.3	68
	10.6	2.94	36					
	13.8	3.83	34					
50-250	8.8	2.44	82	29	2900	11	2.3	160
	12.5	3.47	80	38				
	16.3	4.53	77.5	40				
50-250A	8.2	2.28	71.5	38	2900	7.5	2.3	115
	11.6	3.22	70					
	15.2	4.22	68					
50-250B	7.6	2.11	61.4	37	2900	7.5	2.3	114
	10.8	3	60					
	14	3.89	58					
50-250C	7.1	1.97	53.2	36	2900	5.5	2.3	108
	10	2.78	52					
	13.1	3.64	50.4					
50-100(I)	17.5	4.86	13.7	67	2900	1.5	2.5	41
	25	6.94	12.5	69				
	32.5	9.03	10.5	69				
50-100(I)A	15.6	4.3	11	65	2900	1.1	2.5	36
	22.3	6.19	10	67				
	29	8.1	8.4	68				
50-125(I)	17.5	4.86	21.5	60	2900	3	2.5	56
	25	6.94	20	68				
	32.5	9.03	18	67				
50-125(I)A	15.6	4.33	17	58	2900	2.2	2.5	48
	22.3	6.19	16	66				
	29	8.1	13.6	65				
50-160(I)	17.5	4.68	34.4	54	2900	4	2.5	72
	25	6.94	32	63				
	32.5	9.03	27.5	60				

50-160(I)A	16.4	4.56	30	54	2900	4	2.5	71
	23.4	6.5	28	62				
	30.4	8.44	24	59				
50-160(I)B	15	4.17	26	58	2900	3	2.5	59
	21.6	6	24					
	28	7.78	20.6					
50-200(I)	17.5	4.86	52.7	49	2900	7.5	2.5	108
	25	6.94	50	58				
	32.5	9.03	45.5	59				
50-200(I)A	16.4	4.56	46.4	48	2900	7.5	2.5	107
	23.5	6.53	44	57				
	30.5	8.47	40	58				
50-200(I)B	15.2	4.22	40	55	2900	5.5	2.5	100
	21.8	6.06	38					
	28.3	7.86	34.5					
50-250(I)	17.5	4.86	82	39	2900	15	2.5	175
	25	6.94	80	50				
	32.5	9.03	76.5	52				
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
50-250(I)A	16.4	4.56	71.5	39	2900	11	2.5	165
	23.4	6.5	70	50				
	30.5	8.47	67	52				
50-250(I)B	15	4.17	61	38	2900	11	2.5	165
	21.6	6	60	49				
	28	7.78	57.4	54				
50-315(I)	17.5	4.86	128	30	2900	30	2.5	310
	25	6.94	125	40				
	32.5	9.03	122	44				
50-315(I)A	16.6	4.61	115	30	2900	22	2.5	245
	23.7	6.58	113	40				
	31	8.6	110	44				

50-315(I)B	15.7	4.36	103	39	2900	18.5	2.5	215
	22.5	6.25	101					
	29.2	8	98					
50-315(I)C	14.4	4	86	38	2900	15	2.5	195
	20.6	5.72	85					
	26.8	7.44	83					
65-100	17.5	4.86	13.7	67	2900	1.5	2.5	46
	25	6.94	12.5	69				
	32.5	9.03	10.5	69				
65-100A	15.6	4.3	11	65	2900	1.1	2.5	41
	22.3	6.19	10	67				
	29	8.1	8.4	68				
65-125	17.5	4.86	21.5	60	2900	3	2.5	58
	25	6.94	20	68				
	32.5	9.03	18	67				
65-125A	15.6	4.33	17	58	2900	2.2	2.5	49
	22.3	6.19	16	66				
	29	8.1	14.4	65				
65-160	17.5	4.86	34.4	54	2900	4	2.5	75
	25	6.94	32	63				
	32.5	9.03	27.5	60				
65-160A	16.4	4.56	30	54	2900	4	2.5	75
	23.4	6.5	28	62				
	30.4	8.44	24	59				
65-160B	15	4.17	26	58	2900	3	2.5	63
	21.6	6	24					
	28	7.78	20.6					
65-200	17.5	4.86	52.7	49	2900	7.5	2.5	107
	25	6.94	50	58				
	32.5	9.03	45.5	59				
65-200A	16.4	4.56	46.6	48	2900	7.5	2.5	107
	23.5	6.53	44	57				
	30.5	8.47	40	58				

65-200B	15.2	4.22	40	55	2900	5.5	2.5	100
	21.8	6.06	38					
	28.3	7.86	34.5					
65-250	17.5	4.86	82	39	2900	15	2.5	180
	25	6.94	80	50				
	32.5	9.03	76.5	52				
65-250A	16.4	4.56	71.5	39	2900	11	2.5	170
	23.4	6.5	70	50				
	30.5	8.47	67	52				
65-250B	15	4.17	61	38	2900	11	2.5	170
	21.6	6	60	49				
	28	7.78	57.4	54				
65-315	17.5	4.86	127	32	2900	30	2.5	320
	25	6.94	125	40				
	32.5	9.03	122	44				
65-315A	16.6	4.61	115	32	2900	22	2.5	255
	23.7	6.58	113	40				
	31	8.6	110	44				
65-315B	15.7	4.36	103	39	2900	18.5	2.5	255
	22.5	6.25	101					
	29.2	8	98					
65-315C	14.4	4	86	38	2900	15	2.5	205
	20.6	5.72	85					
	26.8	7.44	83					
65-100(I)	35	9.72	13.8	67	2900	3	3	63
	50	13.9	12.5	73				
	65	18.1	10	70				
65-100(I)A	31.3	8.7	11	66	2900	2.2	3	53
	44.7	12.4	10	72				
	58	16.1	8	69				
65-125(I)	35	9.72	22	67	2900	5.5	3	99
	50	13.9	20	72.5				
	65	18.1	17	70				

65-125(I)A	31.3	8.7	17.5	66	2900	4	3	78
	45	12.5	16	71				
	58	16.1	13.6	69				
65-160(I)	35	9.72	35	63	2900	7.5	3	103
	50	13.9	32	71				
	65	18.1	28	70				
65-160(I)A	32.7	9.1	30.6	62	2900	7.5	3	103
	46.7	13	28	70				
	61	16.9	24	69				
65-160(I)B	30.3	8.4	26	69	2900	5.5	3	97
	43.3	12	24					
	56.3	15.6	21					
65-200(I)	35	9.72	53.5	55	2900	15	3	176
	50	13.9	50	67				
	65	18.1	46	68				
65-200(I)A	32.8	9.1	47	54	2900	11	3	166
	47	13.1	44	66				
	61	16.9	40	67				
65-200(I)B	30.5	8.5	40.6	65	2900	7.5	3	114
	43.5	12.1	38					
	56.6	15.7	33.4					
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
65-250(I)	35	9.72	83	52	2900	22	3	235
	50	13.9	80	59				
	65	18.1	72	60				
65-250(I)A	32.5	9	73	52	2900	18.5	3	205
	46.7	13	70	59				
	61	16.9	63	60				
65-250(I)B	30	8.3	62	58	2900	15	3	180
	43.3	12	60					
	56	15.6	54					

65-315(I)	35	9.72	128	44	2900	37	3	350
	50	13.9	125	54				
	65	18.1	121	57				
65-315(I)A	32.5	9	112.6	43	2900	30	3	335
	46.5	12.9	110	54				
	60.5	16.8	106.4	57				
65-315(I)B	31	8.6	102.5	53	2900	30	3	335
	44.5	12.4	100					
	58	16.1	98					
65-315(I)C	29	8.1	87	51	2900	22	3	270
	41	11.4	85					
	53.6	14.9	83					
80-100	35	9.72	13.8	67	2900	3	3	63
	50	13.9	12.5	73				
	65	18.1	10	70				
80-100A	31.3	8.7	11	66	2900	2.2	3	54
	44.7	12.5	10	72				
	58	16.1	8	69				
80-125	35	9.72	22	67	2900	5.5	3	99
	50	13.9	20	72.5				
	65	18.1	17	70				
80-125A	31.3	8.7	17.5	66	2900	4	3	79
	45	12.5	16	71				
	58	16.1	13.6	69				
80-160	35	9.72	35	63	2900	7.5	3	105
	50	13.9	32	71				
	65	18.1	28	70				
80-160A	32.7	9.1	30.6	62	2900	7.5	3	105
	46.7	13	28	70				
	61	16.9	24	69				
80-160B	30.3	8.4	26	69	2900	5.5	3	98
	43.3	12	24					
	56.3	15.6	21					

80-200	35	9.72	53.5	55	2900	15	3	175
	50	13.9	50	67				
	65	18.1	46	68				
80-200A	32.8	9.1	47	54	2900	11	3	165
	47	13.1	44	66				
	61	16.9	40	67				
80-200B	30.5	8.5	40.6	65	2900	7.5	3	115
	43.5	12.1	38					
	56.6	15.7	33.4					
80-250	35	9.72	83	52	2900	22	3	240
	50	13.9	80	59				
	65	18.1	72	60				
80-250A	32.5	9	73	52	2900	18.5	3	210
	46.7	13	70	59				
	61	16.9	63	60				
80-250B	30	8.3	62	58	2900	15	3	185
	43.3	12	60					
	56	15.6	54					
80-315	35	9.72	128	43	2900	37	3	355
	50	13.9	125	54				
	65	18.1	122	57				
80-315A	32.5	9	112.6	43	2900	30	3	340
	46.5	12.9	110	54				
	60.5	16.8	107.4	57				
80-315B	31	8.6	102.5	53	2900	30	3	340
	44.5	12.4	100					
	58	16.1	98					
80-315C	29	8.1	98	51	2900	22	3	275
	41	11.4	85					
	53.6	14.9	83					
80-350	35	9.72	146	55	2900	55	3	570
	50	13.9	150	66				
	65	18.1	142	67				

80-350A	31	8.6	138.4	65	2900	45	3	470
	44.5	12.4	142					
	58	16.1	134.8					
80-350B	29	8.1	131.4	63	2900	37	3	440
	41	11.4	135					
	53.6	14.9	127.8					
80-100(I)	70	19.4	13.6	66	2900	5.5	4.5	108
	100	27.8	12.5	76				
	130	36.1	11	75				
80-100(I)A	62.6	17.4	11	64	2900	4	4.5	87
	89	24.7	10	74				
	116	32.2	8.8	74				
80-125(I)	70	19.4	23.5	70	2900	11	4.5	163
	100	27.8	20	76				
	130	36.1	14	65				
80-125(I)A	62.6	17.4	19	68	2900	7.5	4.5	113
	89	24.7	16	74				
	116	32.2	11	65				
80-160(I)	70	19.4	36.5	70	2900	15	4.5	184
	100	27.8	32	76				
	130	36.1	24	65				
80-160(I)A	65.4	18.2	32	68	2900	11	4.5	174
	93.5	26	28	74				
	121.6	33.8	21	67				
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
80-160(I)B	60.6	16.8	72	72	2900	11	4.5	174
	86.6	24.1	24					
	112.5	31.3	18					
80-200(I)	70	19.4	54	65	2900	22	4	251
	100	24.1	50	74				
	130	31.3	42	73				

80-200(I)A	65.4	18.2	47.5	64	2900	18.5	4	220
	93.5	26	44	73				
	121.6	33.8	37	72				
80-200(I)B	61	16.9	41	71	2900	15	4	198
	87	24.2	38					
	113	31.4	32					
80-250(I)	70	19.4	87	62	2900	37	4	330
	100	27.8	80	69				
	130	36.1	68	68				
80-250(I)A	65.4	18.2	76	61	2900	30	4	315
	93.5	26	70	68				
	121.6	33.8	59.5	67				
80-250(I)B	61	16.9	65	66	2900	30	4	315
	87	24.2	60					
	113	31.4	51					
80-315(I)	70	19.4	132	55	2900	75	4	675
	100	27.8	125	66				
	130	36.1	114	67				
80-315(I)A	66.5	18.5	119	55	2900	55	4	535
	95	26.4	113	66				
	123.6	34.3	103	67				
80-315(I)B	63	17.5	106.6	65	2900	45	4	420
	90	25	101					
	117	32.5	92					
80-315(I)C	58	16.1	90	63	2900	37	4	366
	82	22.8	85					
	107	29.7	76					
100-100	70	19.4	13.6	66	2900	5.5	4.5	113
	100	27.8	12.5	76				
	130	36.1	11	75				
100-100A	62.6	17.4	11	64	2900	4	4.5	91
	89	47	10	74				
	116	32.2	8.8	74				

100-125	70	19.4	23.5	70	2900	11	4.5	169
	100	27.8	20	76				
	130	36.1	14	65				
100-125A	62.6	17.4	19	68	2900	7.5	4.5	118
	89	24.7	16	74				
	116	32.2	11	63				
100-160	70	19.4	36.5	70	2900	15	4.5	191
	100	27.8	32	76				
	130	36.1	24	65				
100-160A	65.4	18.2	32	68	2900	11	4.5	181
	93.5	26	28	74				
	121.6	33.8	21	67				
100-160B	60.6	16.8	27	72	2900	11	4.5	181
	86.6	24.1	24					
	112.5	31.3	18					
100-200	70	19.4	54	65	2900	22	4	245
	100	27.8	50	74				
	130	36.1	42	73				
100-200A	65.4	18.2	47.5	64	2900	18.5	4	215
	93.5	26	44	73				
	121.6	33.8	37	72				
100-200B	61	16.9	41	71	2900	15	4	193
	87	24.2	38					
	113	31.4	32					
100-250	70	19.4	37	62	2900	37	4	345
	100	27.8	80	69				
	130	36.1	68	68				
100-250A	65.4	18.2	76	61	2900	30	4	330
	93.5	26	70	68				
	121.6	33.8	59.5	67				
100-250B	61	16.9	65	66	2900	30	4	330
	87	24.2	60					
	113	31.4	51					

100-315	70	19.4	132	55	2900	75	4	689
	100	27.8	125	66				
	130	36.1	114	67				
100-315A	66.5	18.5	119	65	2900	55	4	549
	95	26.4	113	66				
	123.6	34.3	103	67				
100-315B	63	17.5	106.6	65	2900	45	4	439
	90	25	101					
	117	32.5	92					
100-315C	58	16.1	90	63	2900	37	4	385
	82	22.8	85					
	107	29.7	76					
100-100(I)	96	26.7	14	64	2900	11	4.5	115
	160	44.4	12.5	73				
	192	53.3	10	70				
100-125(I)	96	26.7	24	62	2900	15	4.5	168
	160	44.4	20	74				
	192	53.3	14	69				
100-125(I)A	84	23.3	20	64	2900	11	4.5	168
	140	39	17	72				
	168	46.7	12	68				
100-160(I)	96	26.7	36	69	2900	22	5.6	210
	160	44.4	32	79				
	192	53.3	27	75				
100-160(I)A	84	23.3	32	66	2900	18.5	5	210
	140	39	28	76				
	168	46.7	23.5	72				
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			
100-200(I)	96	26.7	53	69	2900	37	5.2	402
	160	44.4	50	79				
	192	53.3	45	78				

100-200(I)A	84	23.3	48	64	2900	30	4.5	395
	140	39	45	74				
	168	46.7	40	73				
100-200(I)B	60	16.7	43	72	2900	22	4.5	360
	100	27.8	40					
	120	33.3	36					
100-250(I)	96	26.7	83	65	2900	55	4.8	560
	160	44.4	80	77				
	192	53.3	72	74				
100-250(I)A	84	23.3	75	60	2900	45	4.5	420
	140	39	72	72				
	168	46.7	65	69				
100-250(I)B	60	16.7	68	70	2900	37	4.5	400
	100	27.8	65					
	120	33.3	58					
100-350	60	16.7	153.6	72	2900	90	4	950
	100	27.8	150	57				
	120	33.3	142	74				
100-350A	61	16.9	145.6	75	2900	75	4	830
	87	24.2	142					
	113	31.4	134					
100-350B	58	16.1	138.6	75	2900	55	4	600
	82	22.8	135					
	107	29.7	127					
125-100	96	26.7	13	82	2900	11	4	180
	160	44.4	12.5					
	192	53.3	12					
125-100A	86	23.9	10.4	77	2900	7.5	4	125
	143	39.7	10					
	172	47.8	9.6					
125-125	96	26.7	22.6	80	2900	15	4	220
	160	44.4	20					
	192	53.3	17					

125-125A	86	23.9	18	77	2900	11	4	210
	143	39.7	16					
	172	47.8	13.6					
125-160	96	26.7	36	78	2900	22	4	265
	160	44.4	32					
	192	53.3	28					
125-160A	90	25	31.5	76	2900	18.5	4	230
	150	41.7	28					
	180	50	24.5					
125-160B	83	21.7	27	73	2900	15	4	215
	138	38.3	24					
	166	46.1	21					
125-200	96	26.7	55	77	2900	37	5.5	395
	160	44.4	50					
	192	53.3	46					
125-200A	90	25	48.4	76	2900	30	5.5	380
	150	41.7	44					
	180	50	40.5					
125-200B	83	21.7	41.3	75	2900	22	5.5	320
	138	38.3	37.5					
	166	46.1	34.5					
125-250	96	26.7	87	75	2900	55	5	580
	160	44.4	80					
	192	53.3	73					
125-250A	90	25	76	74	2900	45	5.5	490
	150	41.7	70					
	180	50	84					
125-250B	83	21.7	65	73	2900	37	5.5	430
	138	38.3	60					
	166	46.1	55					
125-315	96	26.7	133	70	2900	90	5	790
	160	44.7	125					
	192	53.3	119					

125-315A	90	25	117	70	2900	75	5	710
	150	41.7	110					
	180	50	104.6					
125-315B	86	23.9	106.4	69	2900	75	5	705
	143	39.7	100					
	172	47.8	95.2					
125-315C	80.5	22.4	96	67	2900	55	5	585
	134	37.2	88					
	161	44.7	86					
150-125	96	26.7	22.6	66	2900	11	4	210
	160	44.4	24	76				
	192	53.3	17	76				
150-125A	90	25	18	77	2900	7.5	4	130
	150	41.7	16					
	180	50	13.6					
150-160	96	26.7	36	75	2900	22	4	270
	160	44.4	32					
	192	53.3	27					
150-160A	90	25	32	76	2900	18.5	4	230
	150	41.7	28					
	180	50	23.5					
150-160B	84	23.3	27	73	2900	15	4	220
	140	39	24					
	168	46.7	21					
150-200	140	38.9	13.8	68	1450	15	3	265
	200	55.6	12.5	78				
	260	72.2	10.6	78				
150-200A	125	34.7	11	66	1450	11	3	244
	176	49.7	10	76				
	232.5	64.6	8.5	76				
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			

150-200B	84	23.3	41	75	2900	22	4	275
	140	39	38					
	168	46.7	34					
150-250	140	38.9	21.8	73	1450	18.5	3	300
	200	55.6	20	79				
	260	72.2	17	77				
150-250A	129	35.8	18.5	72	1450	15	3	262
	184.4	51.2	17	78				
	240	66.7	14.4	76				
150-250B	117	32.5	15.2	76	1450	11	3	241
	167	46.4	14					
	217.5	60.4	12					
150-315	140	38.9	33.8	70	1450	30	2.5	410
	200	55.6	32	78				
	260	72.2	28	73				
150-315A	131	36.4	29.5	69	1450	22	3.5	335
	187	51.9	28	77				
	243	67.5	24.5	77				
150-315B	121	33.5	25	76	1450	18.5	3.5	315
	173	48.1	24					
	225	62.5	21					
150-350	96	26.7	153.6	80	2900	110	5.5	970
	160	44.4	150					
	192	53.3	142.8					
150-350A	90	25	145.6	70	2900	90	5.2	790
	150	41.7	142					
	180	50	134.8					
150-350B	84	23.3	138.6	65	2900	75	5.5	705
	140	39	135	76				
	168	46.7	127.8	74				
150-400	140	38.9	53	68	1450	45	3.5	490
	200	55.6	50	75				
	260	72.2	44	71				

150-400A	131	36.4	46.6	67	1450	37	3.5	454
	187	51.9	44	74				
	243	67.5	38.3	70				
150-400B	122	33.9	40	73	1450	30	3.5	435
	174	48.3	38					
	226.5	62.9	33					
150-400C	112	31.1	34	71	1450	22	3.5	365
	160	44.4	32					
	208	57.8	28					
150-250(I)	120	33.3	87	65	2900	75	4.5	702
	200	55.6	80	76				
	240	66.7	72	74				
150-250(I)A	112	31.1	76	64	2900	55	4.5	561
	187	51.9	70	75				
	224	62.2	63	73				
150-250(I)B	104	28.9	65	63	2900	45	4.5	460
	173	48.1	60	74				
	208	57.8	54	72				
150-315(I)	120	33.3	133	58	2900	110	4.5	980
	200	55.6	125	73				
	240	66.7	120	75				
150-315(I)A	112	31.1	116	57	2900	90	4.5	800
	187	51.9	110	72				
	224	62.2	105	74				
150-315(I)B	104	28.9	100	55	2900	75	4.5	724
	173	48.1	95	70				
	208	57.8	91	72				
200-200	140	38.9	13.8	68	1450	15	3	265
	200	55.6	12.5	78				
	260	72.2	10.5	78				
200-200A	125	34.7	11	66	1450	11	3	244
	179	49.7	10	76				
	232.5	64.6	8.5	76				

200-250	140	38.9	21.8	73	1450	18.5	3	305
	200	55.6	20	79				
	260	72.2	17	77				
200-250A	129	35.8	18.5	72	1450	15	3	267
	184.4	51.2	17	78				
	240	66.7	14.4	76				
200-250B	117	32.5	15.2	76	1450	11	3	246
	167	46.4	14					
	217.5	60.4	12					
200-315	140	38.9	33.8	70	1450	30	3.5	417
	200	55.6	32	78				
	260	72.2	28	78				
200-315A	131	36.4	29.5	69	1450	22	3.5	342
	189	51.9	28	77				
	243	67.5	24.5	77				
200-315B	121	33.6	25	76	1450	18.5	3.5	322
	173	48.1	24					
	225	62.5	21					
200-400	140	38.9	53	68	1450	45	3.5	498
	200	55.6	50	75				
	260	72.2	44	71				
200-400A	131	36.4	46.6	67	1450	37	3.5	462
	187	51.9	44	74				
	243	67.5	38.3	70				
200-400B	122	33.9	40	73	1450	30	3.5	443
	174	48.6	38					
	226.5	62.9	33					
200-400C	112	31.3	34	71	1450	22	3.5	373
	160	44.4	32					
	208	57.8	28					
Model	FlowQ		Head	Efficiency	Speed	Motor Power(KW)	(NPSH)	Weight(Kg)
	(m3/h)	(1/s)	(m)	(%)	(r/min)			

200-200(I)	280	77.8	13.4	70	1450	22	4	382
	400	111.1	12.5	80				
	520	144	10.5	79				
200-200(I)A	250	69.4	10.7	68	1450	18.5	4	346
	358	90.4	10	73				
	465	129.2	8.5	77				
200-250(I)	280	77.8	22.2	75	1450	30	4	475
	400	111.1	20	80				
	520	144	14	72				
200-250(I)A	250	69.4	18	73	1450	20	4	405
	358	99.4	16	78				
	465	129.2	11.2	70				
200-250(I)B	226	62.8	14.4	70	1450	18.5	4	387
	322	89.4	13	75				
	419	116.4	7.3	67				
200-315(I)	280	77.8	36	73	1450	55	4	675
	400	111.4	32	80				
	520	144	26	75				
200-315(I)A	262	72.8	31.5	72	1450	45	4	560
	374	103.9	28	79				
	486	135	23	74				
200-315(I)B	242	67.3	27	78	1450	37	4	535
	346	96.1	24					
	450	125	19.5					
200-400(I)	280	77.8	54.5	75	1450	75	4	830
	400	111.4	50	81				
	520	144	39	77				
200-400(I)A	262	72.8	48	80	1450	75	4	830
	374	103.9	44					
	486	135	34					
200-400(I)B	242	67.2	41.4	78	1450	55	5	685
	346	96.1	38					
	450	125	29.6					

200-400(I)C	224	62.2	34.9	76	1450	45	5	580
	320	88.9	32					
	416	115.6	25					
250-250	350	97.2	22	78	1450	45	5	620
	550	152.8	20	82				
	650	180.5	16	81				
250-250A	300	83.3	18.3	76	1450	37	5	550
	500	139	17	80				
	600	166.7	14	80				
250-235	300	83.3	14	73	1480	22	4.5	410
	500	139	12.5	78				
	600	166.7	11	70				
250-300	300	83.3	22	78	1480	37	4.5	550
	500	139	20					
	600	166.7	16					
250-315	350	97.2	34	76	1450	75	5.5	890
	550	152.8	32	80				
	650	180.5	28	79				
250-315A	300	83.3	29.5	74	1450	55	5.5	690
	500	139	28	78				
	600	166.7	24	77				
250-315B	260	72.2	25	70	1450	45	5.5	620
	450	125	24	74				
	520	144.4	20	72				
250-400	300	83.3	54.5	72	1480	90	4.5	1530
	500	139	50					
	600	166.7	39					
300-235	480	133.3	20	77	970	55	5	1120
	720	200	18	81				
	900	250	15.5	74				
300-235A	438	121.7	16.5	75	970	45	5	1030
	607	182.5	15	79				
	821	228.1	13	72				

300-235B	400	111.1	14	73	970	37	5	890
	600	167	12.5	77				
	750	208.3	11	70				
300-300	480	133.3	31	77	970	75	5	1350
	720	200	28	81				
	900	250	25	77				
300-300A	444	123.3	26.5	76	970	75	5	1350
	666	185	24	80				
	833	231.4	21.5	76				
300-300B	415	115.3	23	79	970	55	5	1170
	623	173.1	21					
	779	261.4	18.5					
300-380	480	133.3	48	84	970	132	5	1900
	720	200	44					
	900	250	34					
300-380A	444	123.3	41.4	80	970	110	5	1700
	666	185	38					
	833	231.4	30					
300-380B	409	113.6	35	78	970	90	5	1530
	614	170.6	32					
	767	213.1	25					
300-235(I)	718	199.4	44.6	82	1450	160	5.5	1680
	1080	300	40					
	1345	373.6	34.6					
300-235(I)A	642	178.3	35.7	80	1450	132	5.5	1440
	965	268.1	32					
	1203	334.2	27.7					
350-320	1200	333.3	20	80	1450	110	6	/
350-320A	1080	300	17	78	1450	75	6	/
350-390	1200	333.3	32	78	1450	160	6	/
350-390A	1080	300	28	76	1450	132	6	/
350-460	1200	333.3	50	74	1450	250	6	/
350-460A	1080	308	44	72	1450	200	6	/

500-470	2000	555.5	20	80	980	160	6	/
500-470A	1800	500	17	78	980	132	6	/