

# KUR<sub>3</sub> · KURH<sub>3</sub>

Stainless steel submersible turbine pump

Installed in reservoir (KUR<sub>3</sub>) Hot water · hot spring (KURH<sub>3</sub>)

PAT. PEND.



### Applications

- Water supply to buildings
- City waterworks
- General industry
- Small regional drinking water supply
- Cooling water
- Other general water supply

### Features

- Precision casting stainless steel pump construction can supply clean and fresh water without making red discoloration of water.
  - Built in impact relief type check valve\* (except bore 80mm over) to protect the pump from water hammer thus long life is enjoyed
  - Computer analysis water flow in the impeller and the guide vane reduced friction loss and realized high performance.
  - The pump casing and flanges are made from precision cast stainless steel to withstand heavy load and free from strain.
  - The pump generates less sound and vibration with an installation in the water as well as dynamically balanced impeller.
- ※ Check valve for ground unit is necessary separately.

### Standard specifications

- Liquid Clean water 0 ~ 30°C (0~35°C in case 0.75 ~ 3.7kW)
- Materials Impeller SCS13 or CAC406 (BC6) (CAC406(BC6) in case bore 80mm over)  
Casing SCS13 (Suction casing SUS304)  
Vane CAC406 (BC6) + Rubber
- Motor Canned type submersible motor

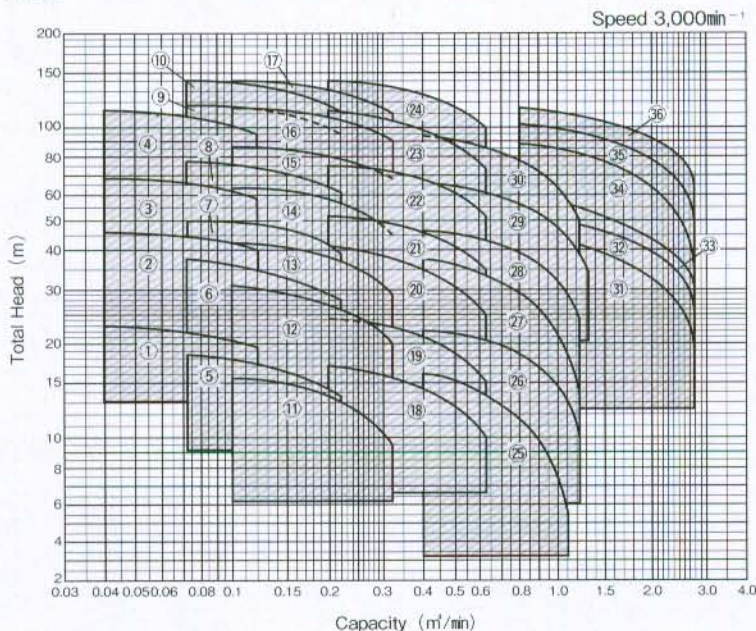
### Standard accessories

- Submersible cable 10m
- Cable band
- Companion flange (except bore 80mm over)

Please consult in case of operation together with pressure tank

### Selection chart 50Hz

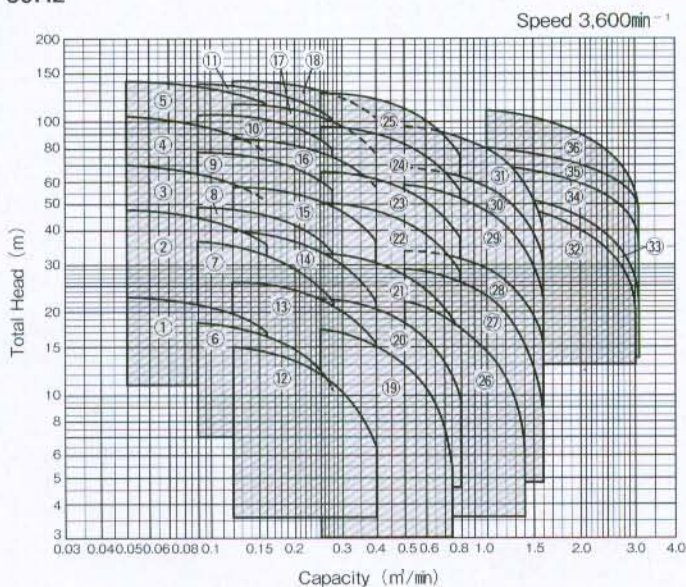
- KUR<sub>3</sub>



Please refer to P.28 for selection chart of KURH<sub>3</sub> (for hot water, hot spring (below 60°C))

### Selection chart 60Hz

- KUR<sub>3</sub>



multi-stage

priming

multi-stage

high pressure

self priming

fresh water

submersible

common parts

# KUR<sub>2</sub> · KURH<sub>2</sub>

■ Selection table 50Hz

Hz	Bore mm	Ref	Model	Motor kW	No. of stage	Performance			
						Capacity	Head	Capacity	Head
						m <sup>3</sup> /min	m	m <sup>3</sup> /min	m
50	32	1	KUR2-325-0.75K	0.75	1	0.04	23	0.12	19.5
		2	KUR2-325-1.5K	1.5	2	0.04	46	0.12	40
		3	KUR2-325-2.2KL	2.2	3	0.04	69	0.12	59
		4	KUR3-325-3.7	3.7	5	0.04	113	0.12	95
	40	5	KUR2-405-0.75K	0.75	1	0.071	18.5	0.22	13.5
		6	KUR2-405-1.5K	1.5	2	0.071	37	0.22	28
		7	KUR2-405-2.2KL	2.2	2	0.071	50	0.22	39
		8	KUR3-405-3.7	3.7	3	0.071	78	0.22	61
		9	KUR2-405-5.5	5.5	4	0.071	117	0.22	95
		10	KUR2-405-7.5	7.5	5	0.071	140	0.22	112
		50	11	KUR2-505-0.75K	0.75	1	0.1	15.5	0.32
	12		KUR2-505-1.5K	1.5	2	0.1	31	0.32	20
	13		KUR2-505-2.2KL	2.2	2	0.1	42	0.32	29
	14		KUR3-505-3.7	3.7	3	0.1	64	0.32	45
	15		KUR2-505-5.5	5.5	3	0.1	86	0.32	68
	16		KUR2-505-7.5	7.5	4	0.1	115	0.32	90
	17		KUR2-505-11	11	5	0.1	140	0.32	112
	65	18	KUR2-655-1.5K	1.5	1	0.2	17	0.63	10
		19	KUR2-655-2.2KL	2.2	1	0.2	24	0.63	15
		20	KUR3-655-3.7	3.7	2	0.2	41	0.63	25
		21	KUR2-655-5.5	5.5	2	0.2	52	0.63	35
		22	KUR2-655-7.5	7.5	3	0.2	75	0.63	52
		23	KUR2-655-11	11	5	0.2	112	0.63	74
		24	KUR2-655-15	15	6	0.2	140	0.63	100
	80	25	KUR2-805-2.2KL	2.2	1	0.4	16	1.12	5.5
		26	KUR3-805-3.7	3.7	1	0.4	22	1.25	10
		27	KUR2-805-5.5	5.5	2	0.4	37	1.25	14
		28	KUR2-805-7.5	7.5	2	0.4	46	1.25	24
		29	KUR2-805-11	11	3	0.4	69	1.25	36
		30	KUR2-805-15	15	4	0.4	94	1.25	50
	100	31	KUR2-1005-15	15	1	0.8	46	2.8	19
		32	KUR2-1005-18	18.5	1	0.8	52	2.8	25
		33	KUR2-1005-22	22	1	0.8	58	2.8	30
		34	KUR2-1005-30	30	2	0.8	88	2.8	34
		35	KUR2-1005-37	37	2	0.8	102	2.8	48
		36	KUR2-1005-45	45	2	0.8	115	2.8	64

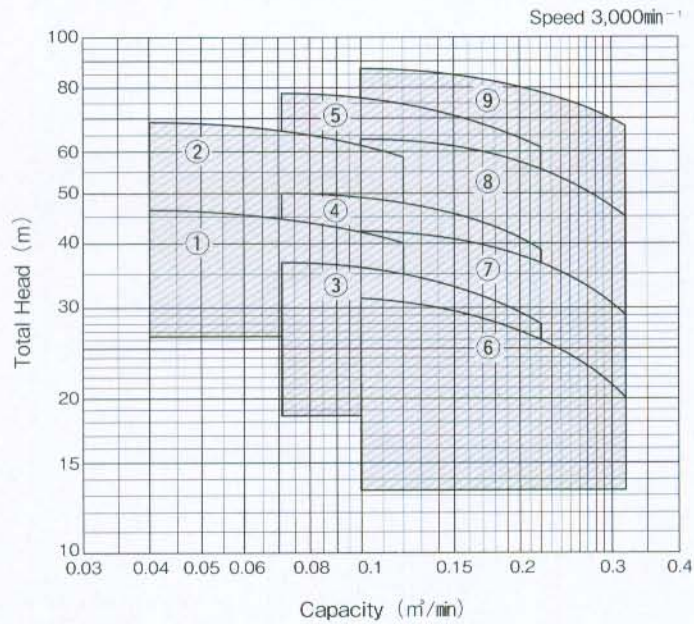
■ Selection table 60Hz

Hz	Bore mm	Ref	Model	Motor kW	No. of stage	Performance			
						Capacity	Head	Capacity	Head
						m <sup>3</sup> /min	m	m <sup>3</sup> /min	m
60	32	1	KUR2-326-0.75K	0.75	1	0.05	23	0.16	17
		2	KUR2-326-1.5K	1.5	2	0.05	48	0.16	36
		3	KUR2-326-2.2KL	2.2	3	0.05	70	0.16	51
		4	KUR3-326-3.7	3.7	4	0.05	105	0.16	78
		5	KUR2-326-5.5	5.5	4	0.05	140	0.16	117
	40	6	KUR2-406-0.75K	0.75	1	0.09	18.5	0.28	10.5
		7	KUR2-406-1.5K	1.5	2	0.09	37	0.28	22
		8	KUR2-406-2.2KL	2.2	2	0.09	49	0.28	33
		9	KUR3-406-3.7	3.7	3	0.09	79	0.28	56
		10	KUR2-406-5.5	5.5	3	0.09	106	0.28	80
		11	KUR2-406-7.5	7.5	4	0.09	138	0.28	102
	50	12	KUR2-506-0.75K	0.75	1	0.12	15	0.4	6.5
		13	KUR2-506-1.5K	1.5	1	0.12	26	0.4	15.5
		14	KUR2-506-2.2KL	2.2	2	0.12	40	0.4	22
		15	KUR3-506-3.7	3.7	2	0.12	58	0.4	37
		16	KUR2-506-5.5	5.5	3	0.12	87	0.4	58
		17	KUR2-506-7.5	7.5	4	0.12	117	0.4	77
		18	KUR2-506-11	11	4	0.12	140	0.4	102
	65	19	KUR2-656-1.5K	1.5	1	0.25	17.5	0.75	5.5
		20	KUR2-656-2.2KL	2.2	1	0.25	22.5	0.8	9.5
		21	KUR3-656-3.7	3.7	1	0.25	33	0.8	17
		22	KUR2-656-5.5	5.5	2	0.25	51	0.8	28
		23	KUR2-656-7.5	7.5	2	0.25	66	0.8	38
		24	KUR2-656-11	11	3	0.25	96	0.8	56
		25	KUR2-656-15	15	4	0.25	128	0.8	76
	80	26	KUR3-806-3.7	3.7	1	0.5	22	1.4	6
		27	KUR2-806-5.5	5.5	1	0.5	29	1.6	8
		28	KUR2-806-7.5	7.5	1	0.5	34	1.6	15
		29	KUR2-806-11	11	2	0.5	59	1.6	22
		30	KUR2-806-15	15	2	0.5	68	1.6	30
		31	KUR2-806-18	18.5	3	0.5	97	1.6	40
	100	32	KUR2-1006-18	18.5	1	1.0	52	3.0	20
		33	KUR2-1006-22	22	1	1.0	57	3.15	22
		34	KUR2-1006-30	30	1	1.0	70	3.15	37
		35	KUR2-1006-37	37	1	1.0	81	3.15	47
		36	KUR2-1006-45	45	2	1.0	111	3.15	45

Compact multi-stage  
 Compact self priming  
 Multi-stage  
 High pressure  
 Self priming  
 Submersible fresh water  
 Deep well submersible  
 Control panel

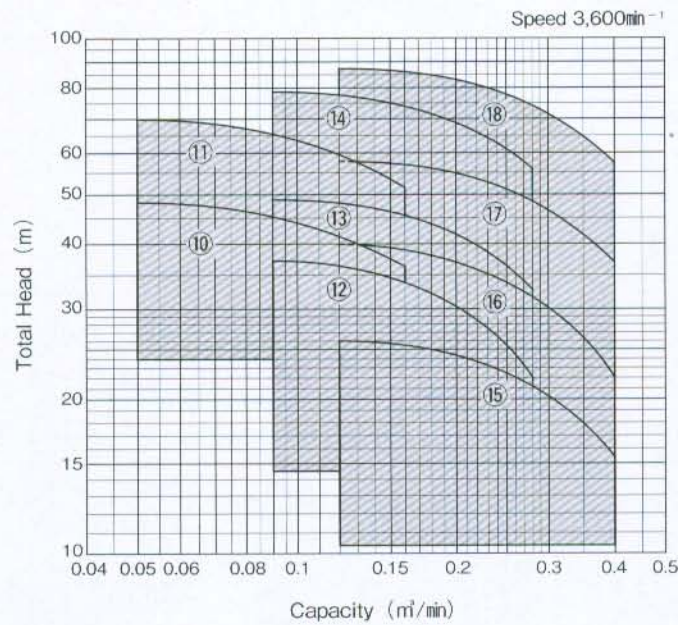
## ■ Selection chart 50Hz

● KURH<sub>3</sub> (hot water)



## ■ Selection chart 60Hz

● KURH<sub>3</sub> (hot water)



## ■ Selection table

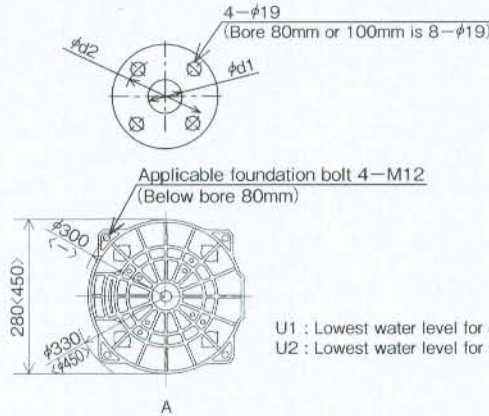
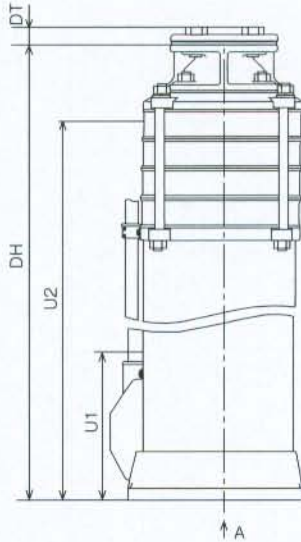
Hz	Bore mm	Ref	Model	Motor kW	No. of stage	Performance				
						Capacity m <sup>3</sup> /min	Head m	Capacity m <sup>3</sup> /min	Head m	
50	32	1	KURH2-325-1.9KL	1.9	2	0.04	46	0.12	40	
		2	KURH3-325-2.7	2.7	3	0.04	69	0.12	59	
	40	3	KURH2-405-1.9KL	1.9	2	0.071	37	0.22	28	
		4	KURH3-405-2.7	2.7	2	0.071	50	0.22	39	
		5	KURH2-405-5.5	5.5	3	0.071	78	0.22	61	
	50	6	6	KURH2-505-1.9KL	1.9	2	0.1	31	0.32	20
			7	KURH3-505-2.7	2.7	2	0.1	42	0.32	29
		8	8	KURH2-505-5.5	5.5	3	0.1	64	0.32	45
			9	KURH2-505-7.5	7.5	3	0.1	86	0.32	68
60	32	10	KURH2-326-1.9KL	1.9	2	0.05	48	0.16	36	
		11	KURH3-326-2.7	2.7	3	0.05	70	0.16	51	
	40	12	KURH2-406-1.9KL	1.9	2	0.09	37	0.28	22	
		13	KURH3-406-2.7	2.7	2	0.09	49	0.28	33	
		14	KURH2-406-5.5	5.5	3	0.09	79	0.28	56	
	50	15	15	KURH2-506-1.9KL	1.9	1	0.12	26	0.4	15.5
			16	KURH3-506-2.7	2.7	2	0.12	40	0.4	22
		17	17	KURH2-506-5.5	5.5	2	0.12	58	0.4	37
			18	KURH2-506-7.5	7.5	3	0.12	87	0.4	58

# KUR<sub>2</sub> · KURH<sub>3</sub>

## ■ Specification & outline dimension table

Inquire specification sheets and drawings in case of actual work planning. The drawing shows example of KUR<sub>3</sub>.

Flange: JIS10K equivalent (companion flange for bore 80mm is optional accessory)



• The drawing shows example of below bore 65mm.

U1 : Lowest water level for operation  
U2 : Lowest water level for starting < > is bore 100mm

## ■ 50Hz

Hz	Bore mm	Model	Motor kW	No. of stage	Dimension (mm)					Weight (※) kg	
					DH	U1	U2	d1	d2		DT
50	32	KUR2-325-0.75K	0.75	1	530	200	419	32	100	25	32
		KUR2-325-1.5K	1.5	2	617	200	506	32	100	25	39
		KUR2-325-2.2KL	2.2	3	718	200	607	32	100	25	46
		KUR3-325-3.7	3.7	5	981	200	870	32	100	25	67
	40	KUR2-405-0.75K	0.75	1	530	200	419	40	105	25	32
		KUR2-405-1.5K	1.5	2	617	200	506	40	105	25	39
		KUR2-405-2.2KL	2.2	2	678	200	567	40	105	25	41
		KUR3-405-3.7	3.7	3	901	200	790	40	105	25	56
	50	KUR2-405-5.5	5.5	4	921	200	810	40	105	25	75
		KUR2-405-7.5	7.5	5	1021	200	910	40	105	25	85
		KUR2-505-0.75K	0.75	1	530	200	419	50	120	27	32
		KUR2-505-1.5K	1.5	2	617	200	506	50	120	27	39
		KUR2-505-2.2KL	2.2	2	678	200	567	50	120	27	41
	65	KUR3-505-3.7	3.7	3	901	200	790	50	120	27	56
		KUR2-505-5.5	5.5	3	881	200	770	50	120	27	71
		KUR2-505-7.5	7.5	4	981	200	870	50	120	27	81
		KUR2-505-11	11	5	1151	200	1040	50	120	27	101
		KUR2-655-1.5K	1.5	1	597	200	486	65	140	31	35
		KUR2-655-2.2KL	2.2	1	658	200	547	65	140	31	38
	80	KUR3-655-3.7	3.7	2	891	200	780	65	140	31	52
		KUR2-655-5.5	5.5	2	871	200	760	65	140	31	67
		KUR2-655-7.5	7.5	3	981	200	870	65	140	31	78
		KUR2-655-11	11	5	1211	200	1100	65	140	31	102
		KUR2-655-15	15	6	1346	200	1235	65	140	31	115
100		KUR2-805-2.2KL	2.2	1	643	200	548	80	150		36
	KUR3-805-3.7	3.7	1	826	200	731	80	150		46	
	KUR2-805-5.5	5.5	2	871	200	776	80	150		65	
	KUR2-805-7.5	7.5	2	931	200	836	80	150		72	
	KUR2-805-11	11	3	1126	200	1031	80	150		92	
100	KUR2-805-15	15	4	1276	200	1181	80	150		106	
	KUR2-1005-15	15	1	1102	250	1017	100	175		170	
	KUR2-1005-18	18.5	1	1174	250	1089	100	175		178	
	KUR2-1005-22	22	1	1061	250	976	100	175		201	
	KUR2-1005-30	30	2	1371	250	1286	100	175		257	
	KUR2-1005-37	37	2	1436	250	1351	100	175		274	
KUR2-1005-45	45	2	1501	250	1416	100	175		285		

※) Weight does not include cable.

## ■ 60Hz

Hz	Bore mm	Model	Motor kW	No. of stage	Dimension (mm)					Weight (※) kg	
					DH	U1	U2	d1	d2		DT
60	32	KUR2-326-0.75K	0.75	1	530	200	419	32	100	25	32
		KUR2-326-1.5K	1.5	2	617	200	506	32	100	25	39
		KUR2-326-2.2KL	2.2	3	718	200	607	32	100	25	46
		KUR3-326-3.7	3.7	4	941	200	830	32	100	25	61
		KUR2-326-5.5	5.5	4	921	200	810	32	100	25	75
	40	KUR2-406-0.75K	0.75	1	530	200	419	40	105	25	32
		KUR2-406-1.5K	1.5	2	617	200	506	40	105	25	39
		KUR2-406-2.2KL	2.2	2	678	200	567	40	105	25	41
		KUR3-406-3.7	3.7	3	901	200	790	40	105	25	56
		KUR2-406-5.5	5.5	3	881	200	770	40	105	25	70
		KUR2-406-7.5	7.5	4	981	200	870	40	105	25	81
	50	KUR2-506-0.75K	0.75	1	530	200	419	50	120	27	32
		KUR2-506-1.5K	1.5	1	577	200	466	50	120	27	35
		KUR2-506-2.2KL	2.2	2	678	200	567	50	120	27	41
		KUR3-506-3.7	3.7	2	861	200	750	50	120	27	52
		KUR2-506-5.5	5.5	3	881	200	770	50	120	27	70
		KUR2-506-7.5	7.5	4	981	200	870	50	120	27	81
	65	KUR2-506-11	11	4	1111	200	1000	50	120	27	97
		KUR2-656-1.5K	1.5	1	597	200	486	65	140	31	35
		KUR2-656-2.2KL	2.2	1	658	200	547	65	140	31	38
		KUR3-656-3.7	3.7	1	841	200	730	65	140	31	48
		KUR2-656-5.5	5.5	2	871	200	760	65	140	31	67
		KUR2-656-7.5	7.5	2	931	200	820	65	140	31	74
	80	KUR2-656-11	11	3	1111	200	1000	65	140	31	94
		KUR2-656-15	15	4	1246	200	1135	65	140	31	108
		KUR3-806-3.7	3.7	1	826	200	731	80	150		46
		KUR2-806-5.5	5.5	1	806	200	711	80	150		59
		KUR2-806-7.5	7.5	1	866	200	771	80	150		66
		KUR2-806-11	11	2	1061	200	966	80	150		86
	100	KUR2-806-15	15	2	1146	200	1051	80	150		94
		KUR2-806-18	18.5	3	1238	200	1188	80	150		107
		KUR2-1006-18	18.5	1	1174	250	1089	100	175		178
KUR2-1006-22		22	1	1061	250	976	100	175		201	
KUR2-1006-30		30	1	1291	250	1206	100	175		236	
KUR2-1006-37		37	1	1356	250	1271	100	175		252	
		KUR2-1006-45	45	2	1501	250	1416	100	175		285

※) Weight does not include cable.

## ■ KURH $\frac{2}{3}$ (Hot water)

Hz	Bore mm	Model	Motor kW	No. of stage	Dimension (mm)					Weight (※) kg		
					DH	U1	U2	d1	d2		DT	
50	32	KURH2-325-1.9KL	1.9	2	679	200	568	32	100	25	39	
		KURH3-325-2.7	2.7	3	901	200	789	32	100	25	56	
	40	KURH2-405-1.9KL	1.9	2	679	200	568	40	105	25	39	
		KURH3-405-2.7	2.7	2	861	200	749	40	105	25	51	
		KURH2-405-5.5	5.5	3	882	200	771	40	105	25	71	
	50	KURH2-505-1.9KL	1.9	2	679	200	568	50	120	27	39	
		KURH3-505-2.7	2.7	2	861	200	749	50	120	27	51	
		KURH2-505-5.5	5.5	3	882	200	771	50	120	27	71	
			KURH2-505-7.5	7.5	3	942	200	830	50	120	27	77
	60	32	KURH2-326-1.9KL	1.9	2	679	200	568	32	100	25	39
			KURH3-326-2.7	2.7	3	901	200	789	32	100	25	56
		40	KURH2-406-1.9KL	1.9	2	679	200	568	40	105	25	39
KURH3-406-2.7			2.7	2	861	200	749	40	105	25	51	
KURH2-406-5.5			5.5	3	882	200	771	40	105	25	71	
50		KURH2-506-1.9KL	1.9	1	639	200	528	50	120	27	35	
		KURH3-506-2.7	2.7	2	861	200	749	50	120	27	51	
		KURH2-506-5.5	5.5	2	842	200	731	50	120	27	67	
		KURH2-506-7.5	7.5	3	942	200	830	50	120	27	77	

※) Weight does not include cable.

multi-stage

priming

multi-stage

high pressure

self priming

fresh water

submersible

control panel