

SJA : *SUBMERSIBLE EJECTOR PUMPS*

Features

High Oxygen Transfer Rate:

High efficiency mixing chamber design mechanism entrains large inlet air volume to mix with water completely, and produce many fine bubbles to increase oxygen transfer rate.

Quiet with Low noise:

The ejector is submersible type, so it has low noise level. To get lower noise, it may add muffler on the air inlet pipe to decrease noise.

Easy Installation & Maintenance

There are without Auto-setter and with Auto-setter for option, simple installation and easy maintenance for saving operational charge.

Wide Range Applications:

The ejector has wide range applications, such as industrial sewage treatment, groundwater aeration, activative sludge wastewater treatment process. They can be applied solely or combinations according to the necessary oxygen transfer rate and the size of the aeration tank.

Construction Descriptions:

The submersible ejector consists of specially designed pump for aeration, fine bubble generation mechanism, and autosetter device.

Specially Designed Pump:

The Pump adopts non-clog, high efficiency impeller.

Fine Bubble Generation Mechanism:

Including air inlet pipe, nozzle, mixing chamber, and diffuser, air is sucked into the mixing chamber, and mixed with water, then discharge through the diffuser.

Auto - setter device:

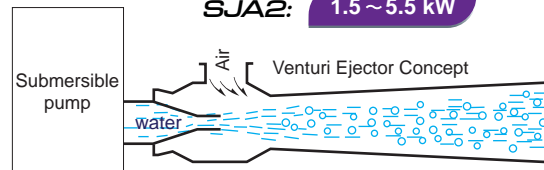
Including slide, guide rail and duckfoot, the ejector could be pulled out of the water directly while maintenance.



SJA1: 0.37~5.5 kW



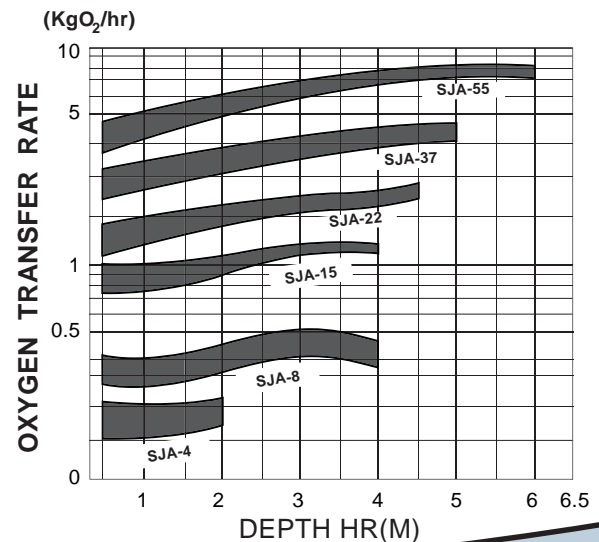
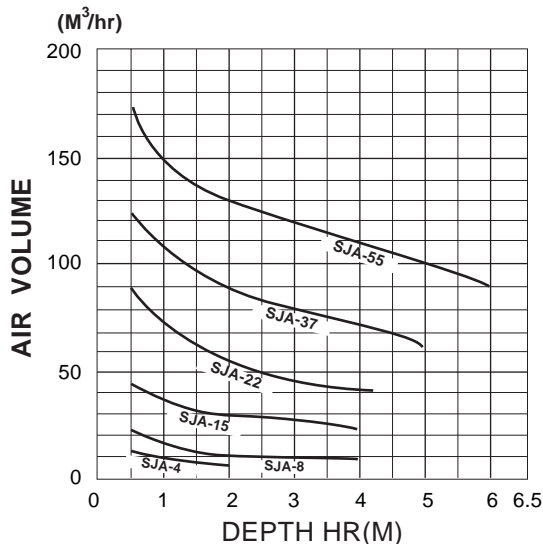
SJA2: 1.5~5.5 kW



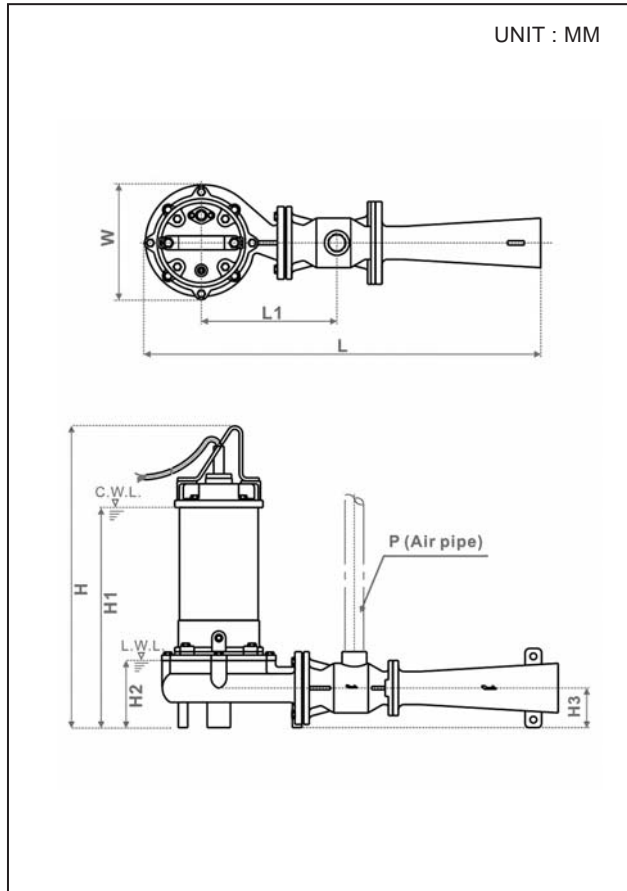
Specifications

Type		Motor (kW)	Pole	Rated performance			Suit aeration Tank		
SJA1	SJA2			Air (M ³ /hr)	OTR (KgO ₂ /hr)	HR (M)	L (M)	W (M)	H (M)
SJA1-4	-	0.37	2	5	0.12~0.23	1.5	2.0	1.8	2.0
SJA1-8	-	0.75	2	11	0.42~0.52	3.0	3.0	2.5	3.0
SJA1-15	SJA2-15	1.5	2	28	1.23~1.43	3.0	4.0	3.5	3.5
SJA1-22	SJA2-22	2.2	2	45	2.10~2.50	3.0	5.0	4.5	4.0
SJA1-37	SJA2-37	3.7	2	80	3.50~4.20	3.0	6.0	5.0	5.0
SJA1-55	SJA2-55	5.5	2	120	5.95~6.90	3.0	7.0	6.0	6.0

Performance curve



Dimensions Floor Mount Type

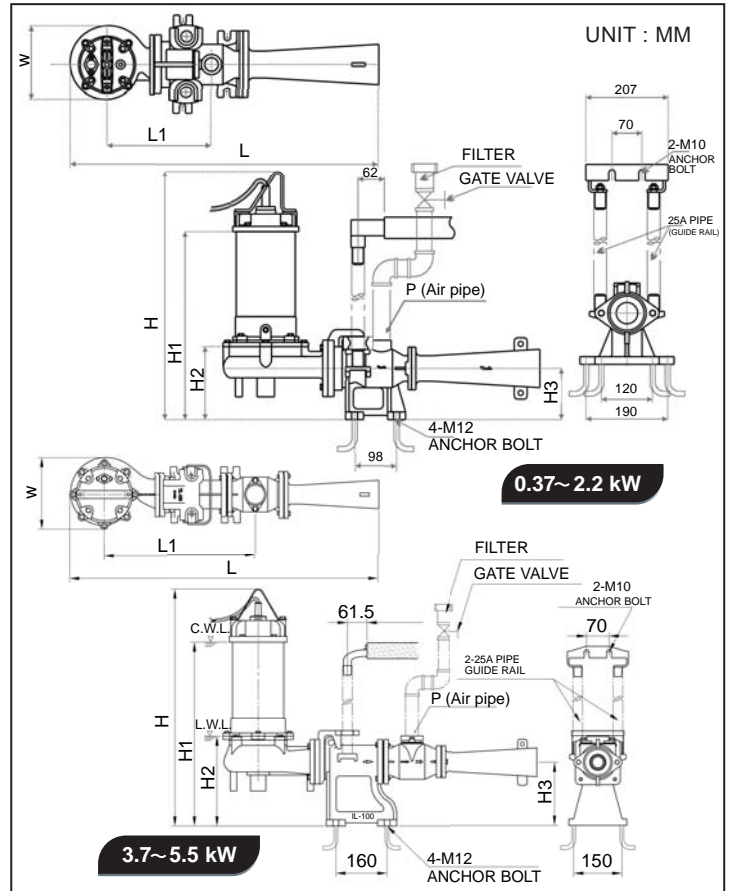


Model	kW	Dimensions (MM)								Net Weight Kg
		L	L1	W	H	H1	H2	H3	P	
SJA1-4	0.37	649	197	163	417	304	120	72	25A	23
SJA1-8	0.75	649	197	163	471	347	120	72	25A	31
SJA1,2-15	1.5	719	246	208	584 532	400 381	122	72	40A	40
SJA1,2-22	2.2	719	246	208	568 562	420 411	122	72	40A	44
SJA1,2-37	3.7	769	290	227	633 625	468 465	160	92	50A	83
SJA1,2-55	5.5	769	290	227	673 665	508 505	160	92	50A	88

Materials

No.	Parts	Standard Material	
		SJA1	SJA2
1	Cable	VCT	VCT
2	Cable hood	PVC	PVC
3	Handle	Nylon6	SS400
4	Motor cover	Nylon6	FC200
5	Seal housing	FC200	FC200
6	Bracket	FC200	FC200
7	Oil chamber	FC200	FC200
8	Pump casing	FC200	FC200
9	Impeller	FC200	FC200
10	Nut	SUS304	SUS304
11	Mech. seal	SIC/SIC	SIC/SIC
12	Oil seal	NBR	NBR
13	Bearing	Ball Bearing	Ball Bearing
14	Overload protector	YES	YES
15	Shaft	SUS410	SUS410
16	Motor housing	SUS304	FC200
17	Ejector	FC200	FC200

Auto-Setter Type



Model	kW	Dimensions (MM)								Net Weight Kg
		L	L1	W	H	H1	H2	H3	P	
SJA1-4	0.37	683	231	163	465	352	168	120	25A	33
SJA1-8	0.75	683	231	163	519	395	168	120	25A	41
SJA1,2-15	1.5	753	280	208	596 580	448 429	170	120	40A	50
SJA1,2-22	2.2	753	280	208	616 610	468 459	170	120	40A	54
SJA1,2-37	3.7	983.5	480	227	749 741	579 576	280	200	50A	95
SJA1,2-55	5.5	983.5	480	227	789 781	619 616	280	200	50A	100

Construction

