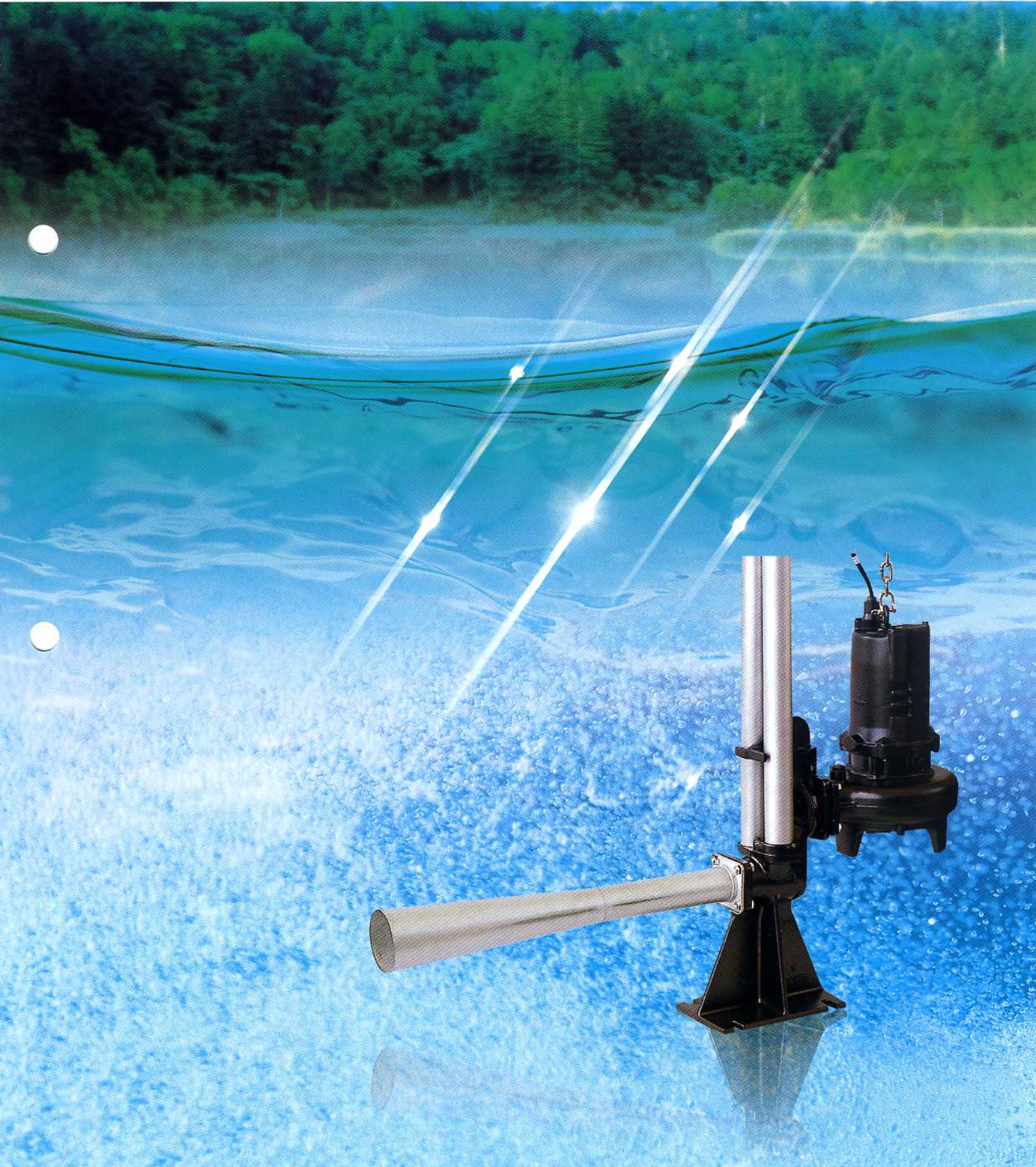


ShinMaywa

Submersible Ejector

J · JF · JA · JAF



High Performance with Low Power Consumption

ShinMaywa helps to cut initial and running costs.

J JF JA JAF

0.75~5.5kW

For preliminary aeration of purifying tanks

For preliminary aeration of industrial wastewater treatment plants etc.

Submersible Ejector forces sucked air into the tank through an ejector action with a jet of water, thereby stirring the liquid in the tank simultaneously. Since Submersible Ejector offers high performance and low power consumption, it allows you to cut initial and running costs. It can be used effectively for the preliminary aeration of purifying tanks etc. Submersible Ejector is available in two types: the automatic connection type and free-standing type. You can choose either according to your application.



JA37V

Major Features

Stirring with a jet of water and tiny air bubbles ensures uniform MLSS concentration in the tank.

Low noise output.

Since Submersible Ejector can be used in water from 1 to 6 m in depth, limited treatment areas can be effectively covered.

Submersible Ejector has a long life thanks to a vortex type impeller, which allows foreign matter to pass through easily.

Submersible Ejector, especially the automatic connection type, is easy to maintain.

Standard Specifications

Model		Model of Pump Used	Output (kW)	Phase	Rating(50/60Hz)		Number of Poles (P)	Lifting Weight (kg)			Gross Weight (kg)
Automatic Connection	Free-Standing				Air Flow Rate (m ³ /h)	Water Depth (m)		J·JA	JF·JAF	J·JA	
J750V	JF750V	CVS50	0.75	3-phase	10	2.0	2	24	26	31	
JA151V	JAF151V	CVL651	1.5		22	3.5	4	55	54	74	
JA22V	JAF22V	CV80	2.2		35	3.5	4	66	68	99	
JA37V	JAF37V	CV80	3.7		67	4.0	4	78	80	111	
JA55V	JAF55V	CV100	5.5		101	4.0	4	103	105	136	

(Note) The lifting weight of the JF and JAF models does not include the weight of the air suction pipe. The water depth refers to the distance from the center of the diffuser to the surface of the water.

Stirring Capacity

Model	Tank Dimensions			Max. Stirring Capacity (m ³)
	Max. Width (m)	Max. Length (m)	Max. Water Depth (m)	
J750V·JF750V	2	3	3.2	19.2
JA151V·JAF151V	3.5	4	3.9	54.6
JA22V·JAF22V	4.5	5	4.5	101.3
JA37V·JAF37V	6	6	5.3	190.8
JA55V·JAF55V	7	7	6.3	308.7

(Note) The indicated tank dimensions for preliminary aeration are maximum values, assuming a water flow speed of 0.3 m/s or more. The maximum stirring capacity for preliminary aeration is obtained from the max.width × max.length × max.water depth.

Motor Protective Device

Model	Automatic Cut-Off	MTP (Micro Thermal Protector)	Water Immersion Sensor
J750V·JF750V	○	×	×
JA151V·JAF151V	○	△	▲
JA22V·JAF22V	○	△	▲
JA37V·JAF37V	○	△	▲
JA55V·JAF55V	○	△	▲

○... It is included as standard equipment.

△... It is attachable to order (option).

▲... The electrode type sensor is attachable to order (option).

×... It is not attachable for structural reasons.

Caution

- If you need information regarding the choice of models and the calculation of the number of pumps, please contact ShinMaywa.
- Basically, the operating hours of Submersible Ejector should be 12 hours or less per day or 4,000 hours or less per year. If this limit is anticipated to be exceeded, please consult ShinMaywa.
- In the case of a sludge (thickened) storage tank, the pump life may be shortened due to high sludge density or the nozzle may be clogged with foreign matter. If you wish to use Submersible Ejector for a sludge storage tank, consult ShinMaywa in advance.
- Because Submersible Ejector stirs the liquid in the tank with an upward flow of air bubbles, it cannot perform anaerobic stirring.

Standard Accessories

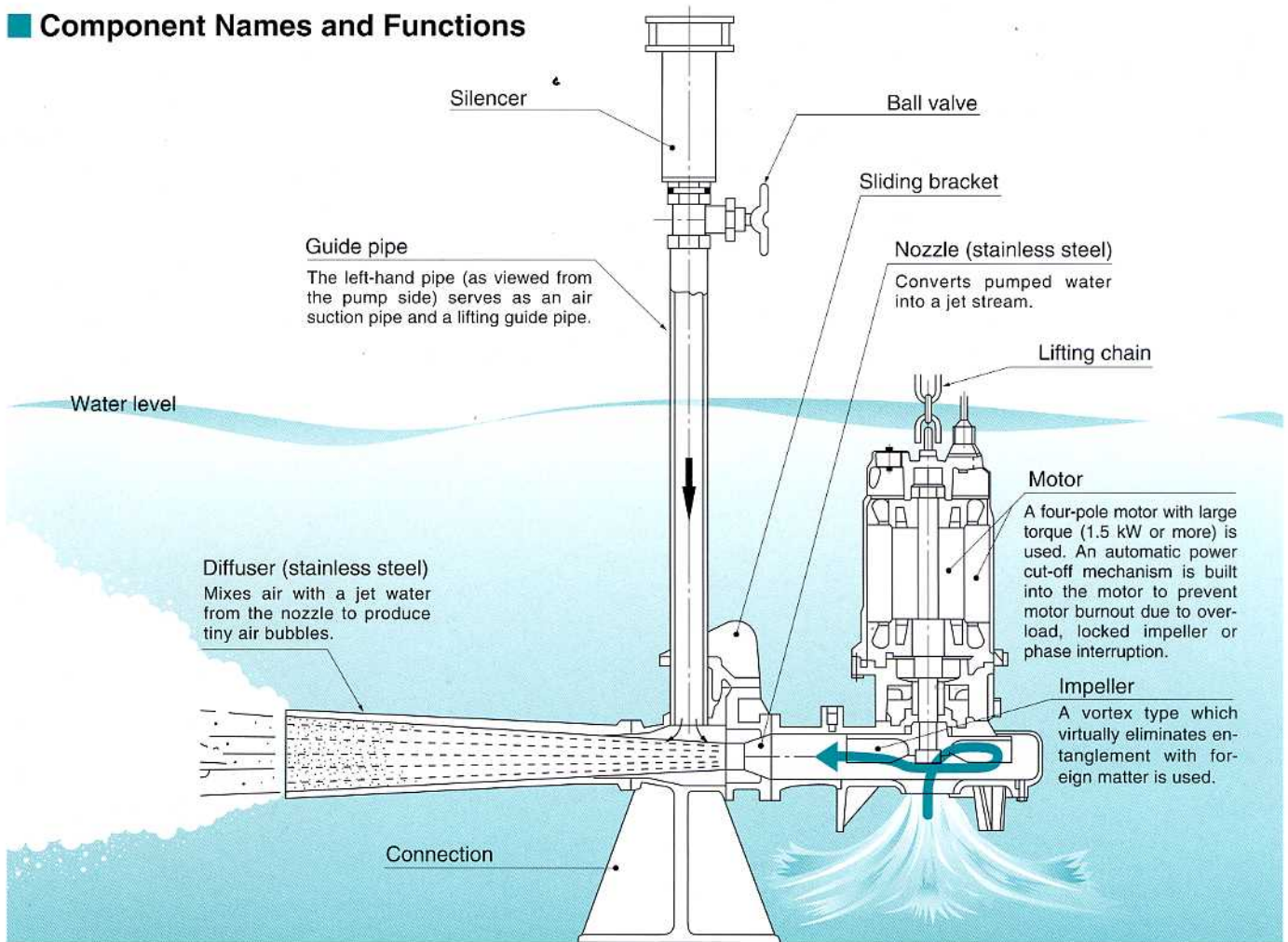
● Automatic Connection type (J/JA)

- Cable (8 m, 6 m for J750V only)..... 1
- Lifting chain (6 m, 4 m for J750V only)..... 1
- Connection..... 1
- Guide holder (with bolts and nuts)..... 1
- Silencer..... 1
- Ball valve (not applicable to J750V) 1

● Free-Standing type (JF/JAF)

- Cable (8 m, 6 m for JF750V only)..... 1
- Lifting chain (6 m) (not applicable to JF750V)..... 1
- Silencer..... 1
- Ball valve (not applicable to JF750V) 1

Component Names and Functions



Air Suction Performance

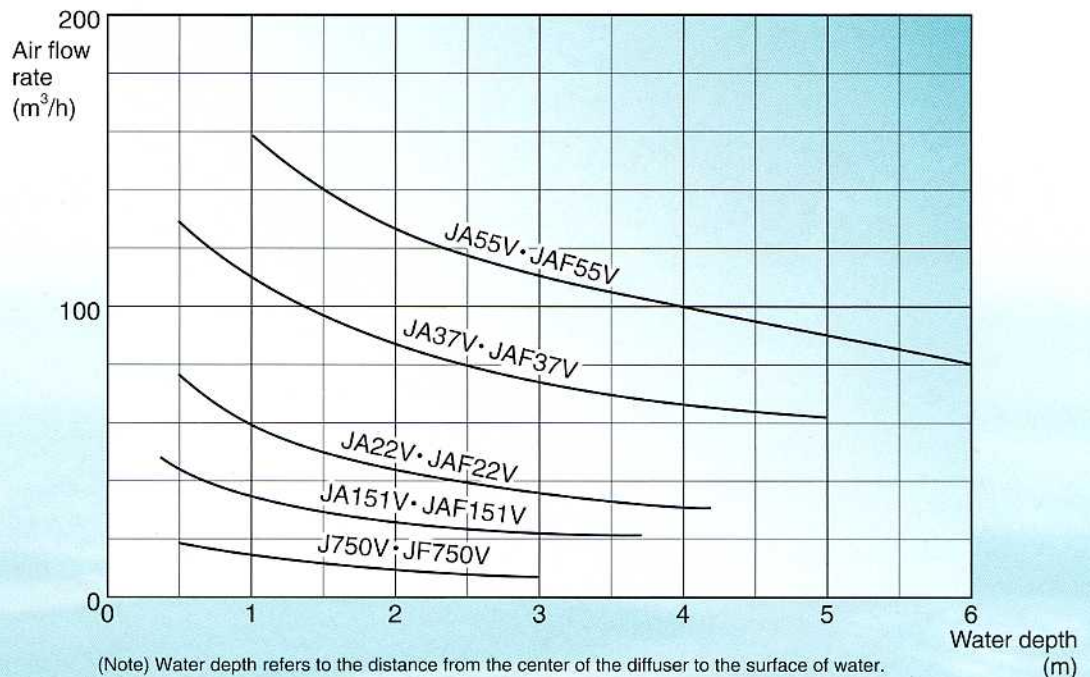


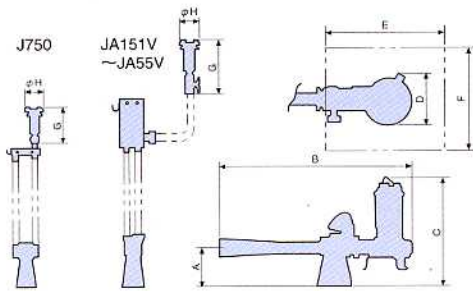
Table of Air Flow Rate(m³/h)

Model		Water depth										
Automatic Connection	Free-Standing	1m	1.5m	2m	2.5m	3m	3.5m	4m	4.5m	5m	5.5m	6m
J750V	JF750V	15	12	10	9	8	-	-	-	-	-	-
JA151V	JAF151V	36	31	27	25	23	22	-	-	-	-	-
JA22V	JAF22V	60	51	45	40	37	35	32	-	-	-	-
JA37V	JAF37V	110	98	88	81	75	70	67	64	62	-	-
JA55V	JAF55V	158	139	127	118	111	105	101	96	91	86	79

(Note) Water depth refers to the distance from the center of the diffuser to the surface of water.

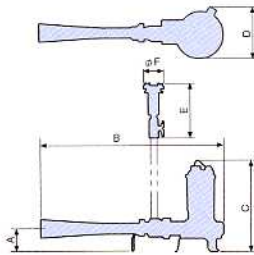
Dimensions

Automatic Connection type



mm								
Model	A	B	C	D	E	F	G	H
J750V	179	701	426	188	550	350	191	89
JA151V	225	1137	629	302	700	700	318	114
JA22V		1358	720	292	750	750	470	160
JA37V	300	1377	782	330				
JA55V		1435	810	355				

Free-Standing type



mm						
Model	A	B	C	D	E	F
JF750V	156	691	403	188	191	89
JAF151V	125	1084	529	320	318	114
JAF22V		1328	550	292	470	160
JAF37V	130	1347	612	330		
JAF55V		1405	640	355		

Packing Size

Model	Pump			Diffuser		
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)	Height (mm)
J750V JF750V	280	225	470	180	220	330
JA151V JAF151V	346	316	576	790	290	390
JA22V	440	388	655	990 × 430 × 550		
JAF22V				960 × 290 × 390		

Model	Pump			Diffuser		
	Length (mm)	Width (mm)	Height (mm)	Length (mm)	Width (mm)	Height (mm)
JA37V	470	410	727	990 × 430 × 550		
JAF37V				960 × 290 × 390		
JA55V	545	455	788	990 × 430 × 550		
JAF55V				960 × 290 × 390		

Specifications and dimensions are subject to change without notice.

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