



J

SUBMERSIBLE
EJECTOR PUMPS

50Hz

make future flow

FEATURES

- **Mixing Chamber Design** – Generates air suction and fine bubbles to increase oxygen transfer.
- **High-Efficiency Impeller** – Designed for stable flow; equipped with a strainer to prevent clogging. Eliminates the need for a separate blower system, reducing installation cost.
- **Low-Noise Submersible Design** – Operates quietly underwater; optional silencer available.
- **Corrosion-Resistant Structure** – Each ejector is equipped with a PVC expansion pipe for improved durability and corrosion resistance.
- **Simple Installation** – Compatible with Guide Rail System (GRS) for easy installation and maintenance, reducing piping complexity.



SPECIFICATIONS

Spec.	Description
Liquid Temp.	0~40°C (32~104°F)
Motor	2P (3000rpm)/4P(1500rpm) • Dry Motor
Insulation	Class B • Class F • Class H
Protection	IP68
Protector	Auto-cut • MTS
M.seal Type	Double M.seals
Impeller Type	Open • Channel
Item	Material
Upper Cover	FC200 / GG-20
Motor Frame	SUS304 / X5CrNi18-10 • FC200 / GG-20
Shaft	SUS410 / X10Cr13 • SUS403 / X5Cr13 • SUS420J2 / X30Cr13
M.seal	CA/CE & SiC/SiC
Casing	FC200 / GG-20
Impeller	FC200 / GG-20
Cable	VCT or H07RN-F
Air Inlet Chamber	FC200 / GG-20
Nozzle	SUS304 / X5CrNi18-10
Diffuser	PVC • SS400 / ST-44-2

PRODUCT NOMENCLATURE

50	JN	P	2	2.2
Discharge mm	Type	Impeller type	Pole	kW

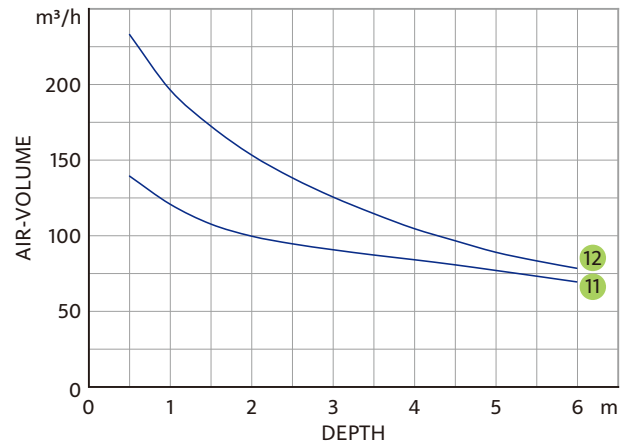
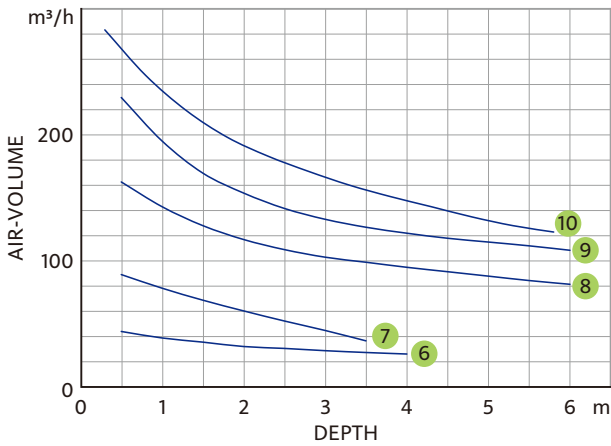
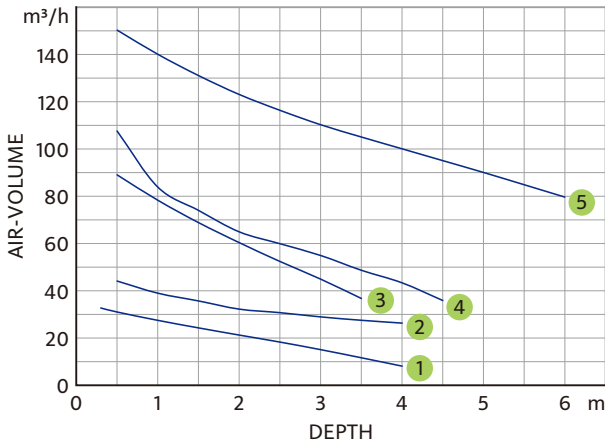
APPLICATIONS

- **Wastewater Treatment** – Provides oxygen for municipal, industrial, and agricultural systems.
- **Water Circulation** – Reduces sediment accumulation and prevents water deterioration.
- **Landscape Water Features** – Creates flow effects in fountains, pools, and decorative water systems.
- **Aquaculture** – Supplies oxygen for fish farms and water tanks.

ACCESSORIES : J - EJECTOR / JT - GUIDE RAIL SYSTEM (GRS)

Pump can be installed with J(Ejector) and JT(GRS) for easy and quick installation, maintenance and replacement.

PERFORMANCE CURVES AND SPECS

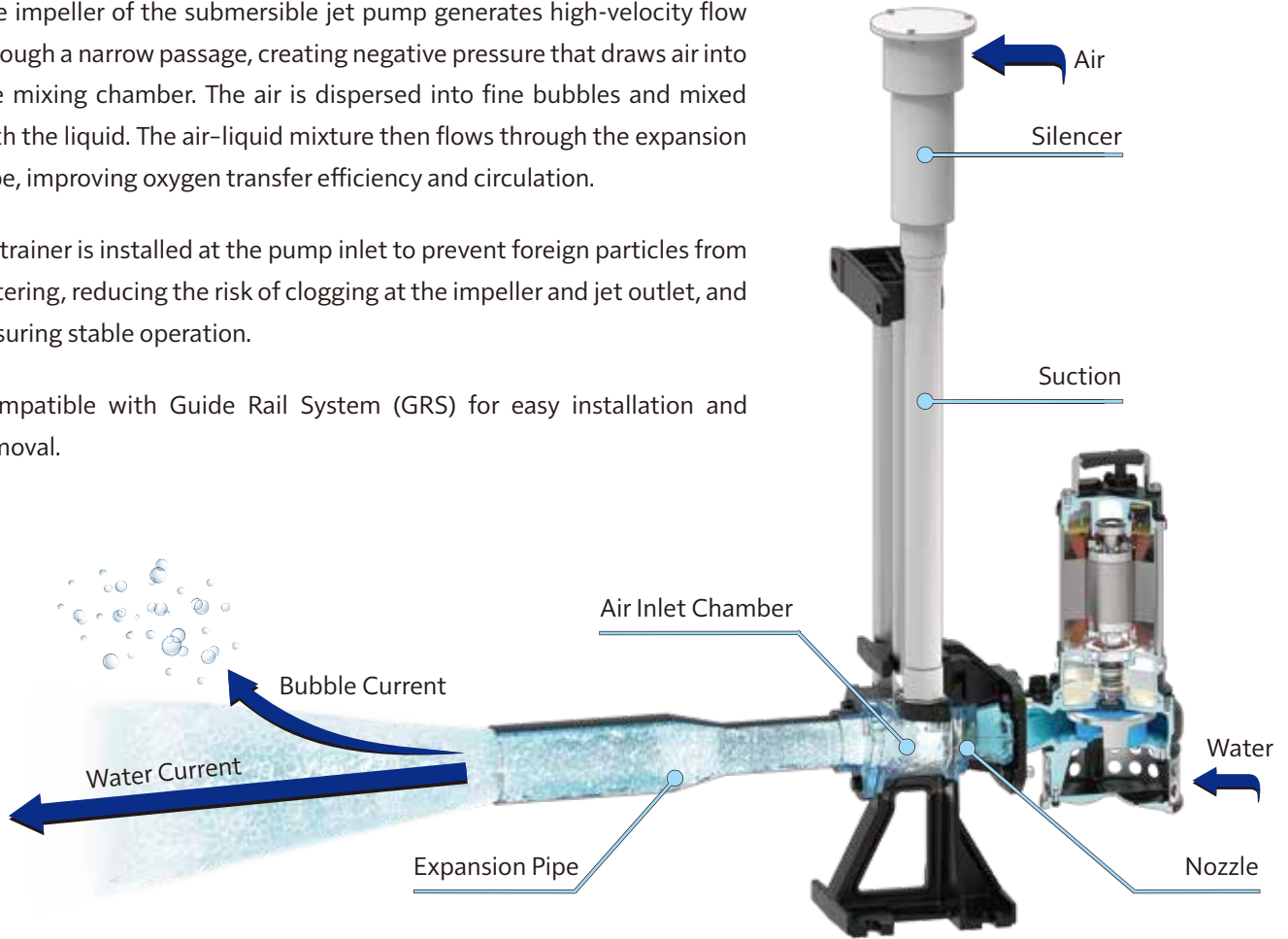


Model	Output HP(kW)	Suction Pipe mm (inch)	Air Volume (Depth) m³/h(m)	Max Depth m	*Capacity m³/h	Solid Passage mm	Weight kg		*Tank Max Dimension m			Accessories			
							∅	3∅	Length	Width	Height	Ejector	GRS	Silencer	
1	25JNP2.8	1(0.75)	25 (1")	15(3)	4	22	20	19	18	3	2	5	J-1AP	JT-1AP	JH-1"
2	32JNP21.5	2(1.5)	32 (1.25")	26(3)	4	51	20	34	30	4	3.5	5	J-1¼BP	JT-1¼BP	JH-1¼"
3	50JNP22.2	3(2.2)	50 (2")	45(3)	3.5	60	20	37	32	4	4	4.5	J-2CPA	JT-2CPA	JH-2"
4	50JNP23.7	5(3.7)	50 (2")	55(3)	4.5	78	20	-	35	5	5	5.5	J-2CPA	JT-2CPA	JH-2"
5	50JNP25.5	7.5(5.5)	50 (2")	105(3)	6	105	20	-	50	7	7	7	J-2CPA	JT-2CPA	JH-2"
6	32JPP21.5	2(1.5)	32 (1.25")	26(3)	4	51	20	37	32	4	3.5	5	J-1¼BP	JT-1¼BP	JH-1¼"
7	50JPP22.2	3(2.2)	50 (2")	45(3)	3.5	60	20	37	32	4	4	4.5	J-2CPA	JT-2CPA	JH-2"
8	50JPP25.5	7.5(5.5)	50 (2")	100(3)	6	105	20	-	75	7	7	7	J-2CPA	JT-2CPA	JH-2"
9	50JPP27.5	10(7.5)	50 (2")	140(3)	6	120	20	-	81	7	7	7	J-2CPA	JT-2CPA	JH-2"
10	50JPP211	15(11)	50 (2")	160(3)	6	132	20	-	91	7	7	7	J-2CPA	JT-2CPA	JH-2"
11	50JPP43.7	5(3.7)	50 (2")	90(3)	5.5	78	35	-	71	6	6	6.5	J-2CPA	JT-2CPA	JH-2"
12	50JPE45.5	7.5(5.5)	50 (2")	130(3)	6	132	35	-	112	7	7	7	J-2DA	JT-2DA	JH-2"

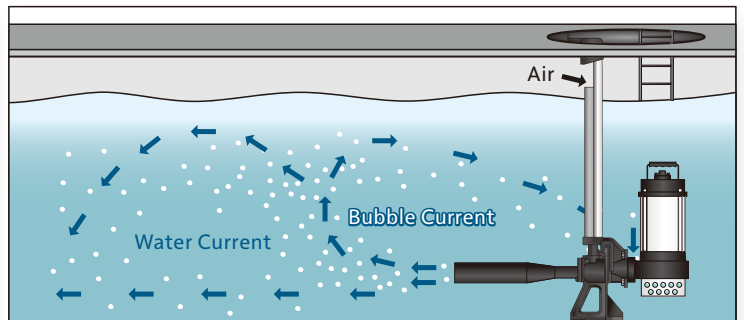
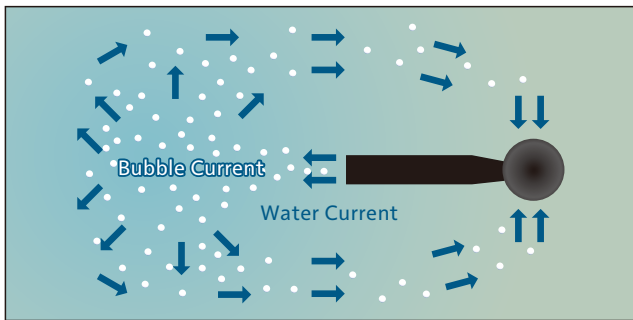
※ Weight Without Cable & Ejector Set. The air flow rates are for reference.

CONSTRUCTION DESCRIPTION

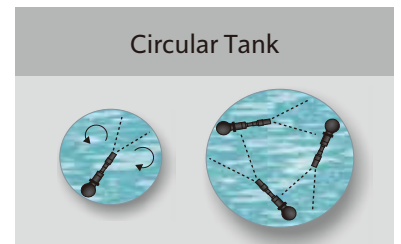
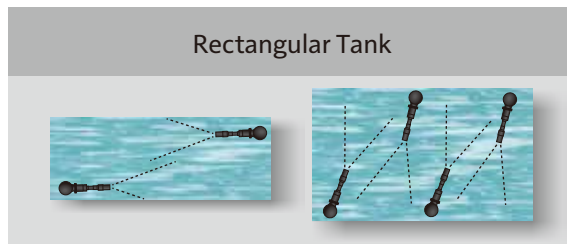
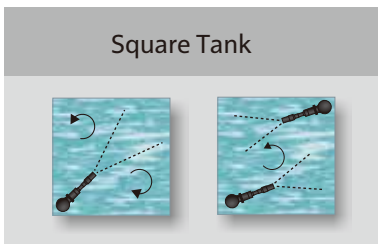
- The impeller of the submersible jet pump generates high-velocity flow through a narrow passage, creating negative pressure that draws air into the mixing chamber. The air is dispersed into fine bubbles and mixed with the liquid. The air-liquid mixture then flows through the expansion pipe, improving oxygen transfer efficiency and circulation.
- A strainer is installed at the pump inlet to prevent foreign particles from entering, reducing the risk of clogging at the impeller and jet outlet, and ensuring stable operation.
- Compatible with Guide Rail System (GRS) for easy installation and removal.



Air / Water Current Drawing



Installation Drawing



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Selection system



Catalog