



J

SUBMERSIBLE
EJECTOR PUMPS

60Hz

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 (3600rpm)/4P(1800rpm) • Dry Motor
Insulation	Class B • Class F • Class H
Protection	IP68
Protector	Auto-cut
M.seal Type	Double M.seals
Impeller Type	Open • Channel
Item	Material
Upper Cover	FC200 / ASTM-30
Motor Frame	SUS304 / AISI 304 • FC200 / ASTM-30(JP)
Shaft	SUS410 / ASTM 410 • SUS403 / ASTM 403 • SUS420J2 / ASTM 420 F
M.seal	CA/CE & SiC/SiC
Casing	FC200 / ASTM-30
Impeller	FC200 / ASTM-30
Cable	VCT or SJOW/SOW/SOOW
Air Inlet Chamber	FC200 / ASTM-30
Nozzle	SUS304 / AISI 304
Diffuser	PVC • SS400 / A36

PRODUCT NOMENCLATURE

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

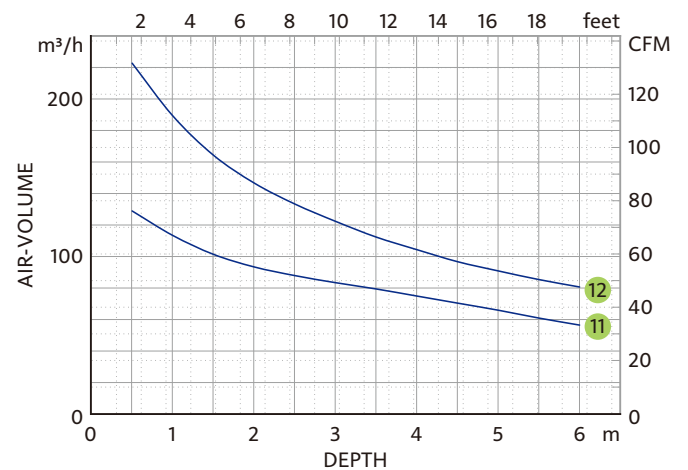
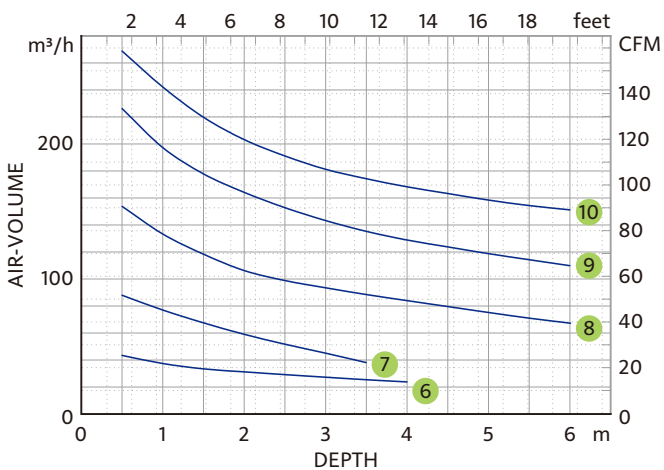
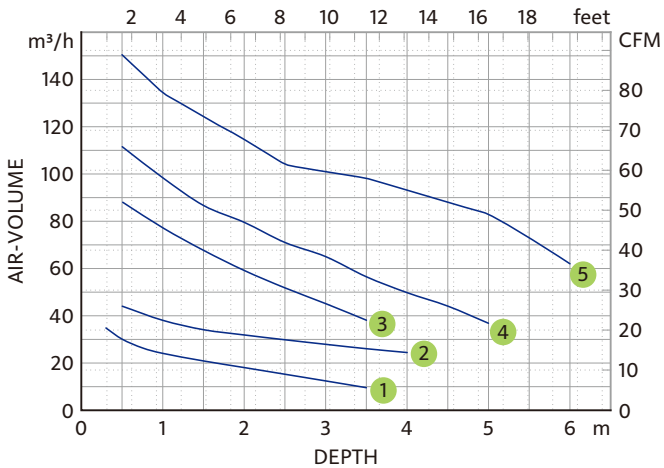
APPLICATIONS

- **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 SPECS AND CURVES

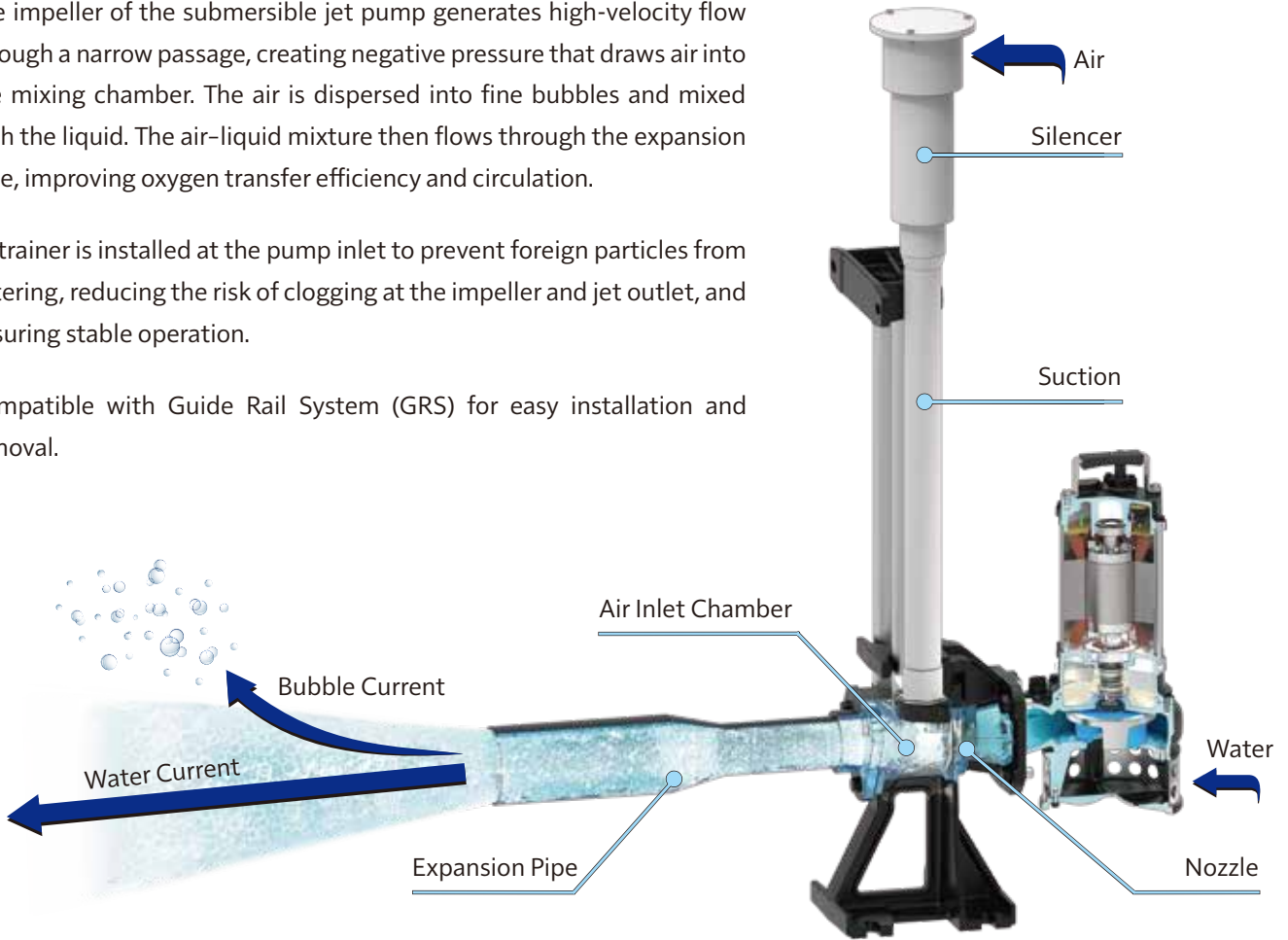


Model	Output HP(kW)	Suction Pipe mm (inch)	Air Volume (Depth) m³/h(m)	Max Depth m	*Capacity m³/h	Solid Passage mm (inch)	Weight kg(lb)		*Tank Max Dimension m			Accessories			
							1Ø	3Ø	Length	Width	Height	Ejector	GRS	Silencer	
1	25JNP2.8	1(0.75)	25 (1")	12(3)	3.5	20	20	18.5(41)	17.5(39)	3	2	4.5	J-1AP	JT-1AP	JH-1"
2	32JNP21.5	2(1.5)	32 (1¼")	26(3)	4	45	20	34(75)	30(66)	4	3.5	5	J-1¼BP	JT-1¼BP	JH-1¼"
3	50JNP22.2	3(2.2)	50 (2")	45(3)	3.5	54	20	37(82)	32(71)	4	4	4.5	J-2CPA	JT-2CPA	JH-2"
4	50JNP23.7	5(3.7)	50 (2")	65(3)	5	73	20	-	35(77)	5	5	6	J-2CPA	JT-2CPA	JH-2"
5	50JNP25.5	7.5(5.5)	50 (2")	100(3)	6	99	20	-	50(110)	7	7	7	J-2CPA	JT-2CPA	JH-2"
6	32JPP21.5	2(1.5)	32 (1¼")	26(3)	4	45	20	37(82)	32(71)	4	3.5	5	J-1¼BP	JT-1¼BP	JH-1¼"
7	50JPP22.2	3(2.2)	50 (2")	45(3)	3.5	54	20	37(82)	32(71)	4	4	4.5	J-2CPA	JT-2CPA	JH-2"
8	50JPP25.5	7.5(5.5)	50 (2")	95(3)	6	99	20	-	74(163)	7	7	7	J-2CPA	JT-2CPA	JH-2"
9	50JPP27.5	10(7.5)	50 (2")	140(3)	6	117	20	-	80(176)	7	7	7	J-2CPA	JT-2CPA	JH-2"
10	50JPP211	15(11)	50 (2")	180(3)	6	129	20	-	90(198)	7	7	7	J-2CPA	JT-2CPA	JH-2"
11	50JPP43.7	5(3.7)	50 (2")	85(3)	5.5	87	20	-	69(152)	6	6	6.5	J-2CPA	JT-2CPA	JH-2"
12	50JPE45.5	7.5(5.5)	50 (2")	125(3)	6	138	20	-	106(234)	7	7	7	J-2DA	JT-2DA	JH-2"

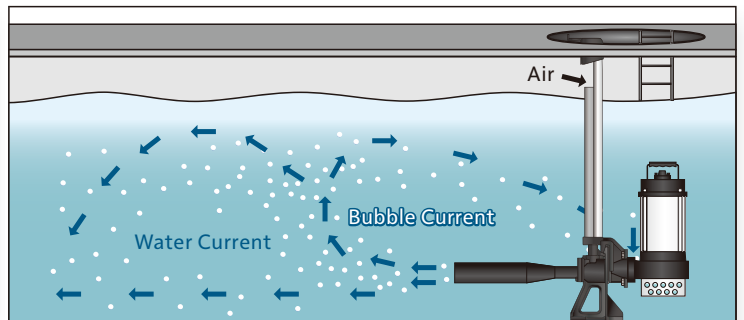
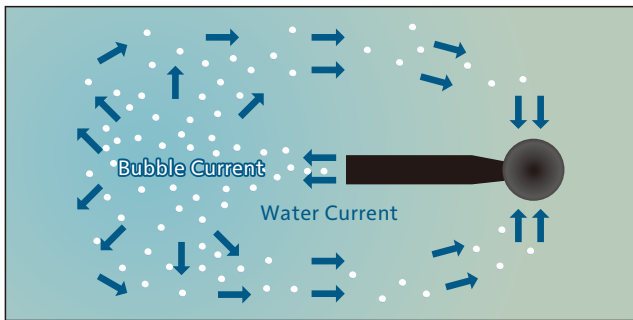
※ Weight Without Cable & Ejector Set. The air flow rates are for reference.

CONSTRUCTION DESCRIPTION

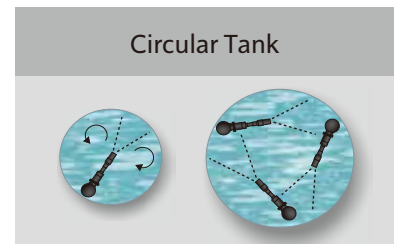
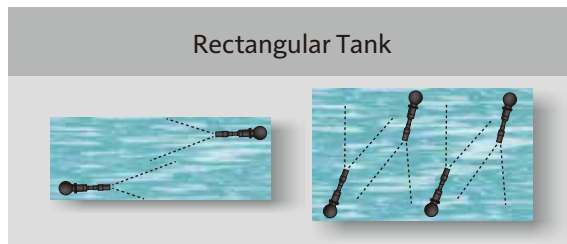
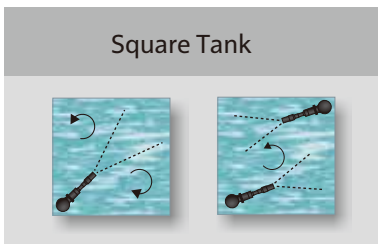
- The impeller of the submersible jet pump generates high-velocity flow through a narrow passage, creating negative pressure that draws air into the mixing chamber. The air is dispersed into fine bubbles and mixed with the liquid. The air-liquid mixture then flows through the expansion pipe, improving 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