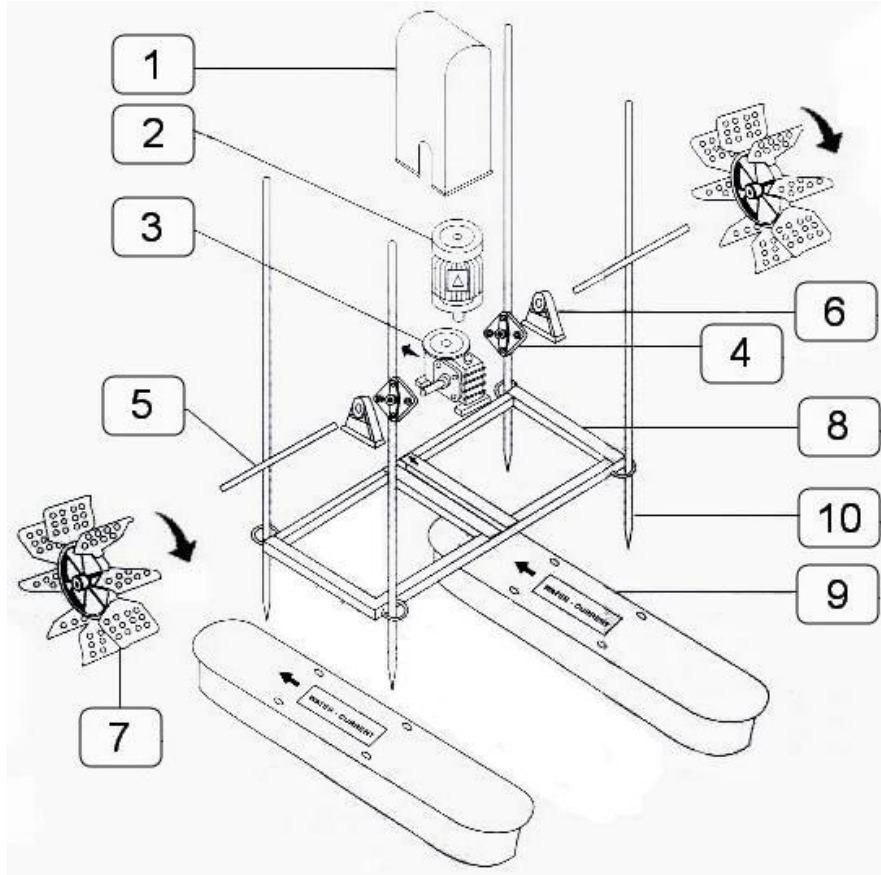


Model: AM-001

Power: 1HP



No.	Description	Specification	Unit
1	HDPE Cover	330 x 250 x 645mm	1
2	Motor	210(W) x 360(H)mm	1
3	Reducer (Gearbox)	280 x 300 x 233mm	1
4	Movable Joint	140 x 140 x 85mm	2
	Square Rubber	140 x 140 x 15mm	2
	Cast Iron (1")	160 x 50 x 38mm	2
	Cast Iron (1 1/8")	160 x 50 x 38mm	2
5	Stainless Steel Shaft	ψ25 x 550mm	2
6	Nylon Bearing	122 x 143 x 50mm	2
	Bearing Stand (Blue)	120 x 126 x 50mm	2
	Rubber Bushing (Black)	ψ45 x 50mm	2
7	Nylon Impeller	ψ25 x 200mm	2
	Paddle	200 x 170 x 75mm	16
	Brass Rim	ψ490 x 90mm	2
8	Stainless Steel Frame	1,040 x 500 x 40mm	1
9	HDPE Float	1,630 x 325 x 213mm	2
10	Setting Bar	ψ21.5 (1/2") x 2,430mm	4
11	Screws Package		1

Assembling Bolts and its specification

No.	Description	Bolt Spec.	Unit	Nut Spec.	Unit	Washer Spec.	Unit
A	HDPE Float + Stainless Steel Frame	3/8" x 1"	8	3/8"	8	3/8"	16
B	Stainless Steel Frame + Reducer	3/8" x 1 1/2"	4	3/8"	4	3/8"	8
C	Stainless Steel Frame + Nylon Bearing	3/8" x 1 1/4"	4	3/8"	4	3/8"	4
D	Reducer + Movable Joint	1/2" x 1"	2				
E	Movable Joint + Stainless Steel Shaft	1/2" x 1"	2				
F	Stainless Steel Shaft + Nylon Impeller	3/8" x 1"	4				
G	Motor + Reducer	3/8" x 1 1/4"	4	3/8"	4		

▲ Power Sources and Installation

1. Make sure local voltage conforms to the type of power source indicated on the motor plate.
2. Hook motor wires according to the diagram shown on the motor “wire box”.
3. Cabling must be done by a qualified electrician or technician.
4. Before operating the paddlewheel aerator, check and make sure rotation direction is correct.

▲ Maintenance

Motor

1. During operation, make sure the voltage is at the normal level. Maximum voltage tolerance is $\pm 5\%$.
2. Clean the rust and re-paint the housing after each harvest to keep the motor in good conditions.

Reducer

1. Clean the rust and re-paint the housing after each harvest to keep the reducer in good conditions.
2. Check and replace the “Worm Gear Wheel”, “Bearing”, and “Oil Seal” when necessary.
3. Reducer lubrication oil used is #90. Lubrication standard capacity is 2.2 liter.
4. Replace lubrication oil after the first 360 hours operation, and then periodically once every harvest (once every 3~4 months) – Recommendation based on 12 hours operation per day.

Float

After each harvest, remove all organic material attached to the float.

Impeller

After each harvest, remove all organic material attached to the impeller.

Setting Bar

Make sure all setting bars are vertically and firmly fixed. It is recommended to insert into the underground at a depth of least 30cm.

Other Remarks

1. For safety conditions, wear rubber gloves during installation.
2. Check regularly that all bolts and screws are well fixed and secured.
3. Ensure that shafts are in a linear condition.
4. When placing the paddlewheel aerator into the pond, ensure its impellers and frame are horizontally positioned.
5. When not used, motor and reducer must be stored in an indoor storage. Before using these stored motors and reducers, please check rotation status and replace lubrication oil.