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QUALITY IS OUR PRIDE
TRUST IS OUR WORSHIP.

C O M P A N Y P R O F I L E

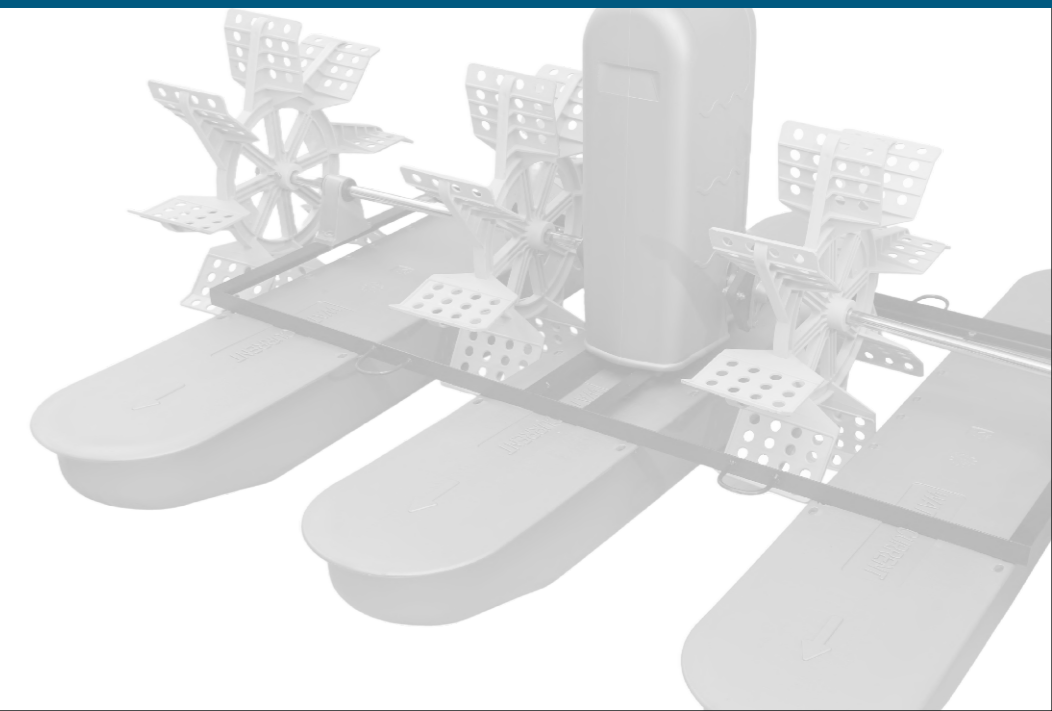
Elizar Aquaculture is dedicated to revolutionizing the aquaculture industry by offering top-quality paddle wheel aerators for farmers. After years of experience, we have identified common issues faced by farmers with aerators: low Dissolved Oxygen (D.O.), high energy consumption, inadequate water circulation, shallow impeller depth, motor and gearbox rust, and premature gear damage, leading to a reduced aerator lifespan by 2 years.

To address these challenges, we have started our manufacturing operations in India. Our aerators feature H-class insulation and silicon stamping to lower motor energy consumption. With a deep impeller depth for enhanced oxygenation and water flow, and CED-coated motor and gearbox to prevent rust and ensure durability, our products stand out in the market.

Our key differentiators include a diverse product range, competitive pricing, prompt delivery, and exceptional customer service, securing us a significant position in the global market. Understanding the unique cultural requirements of each country, we offer customized aerators to meet specific needs, ensuring widespread access to our innovative solutions.

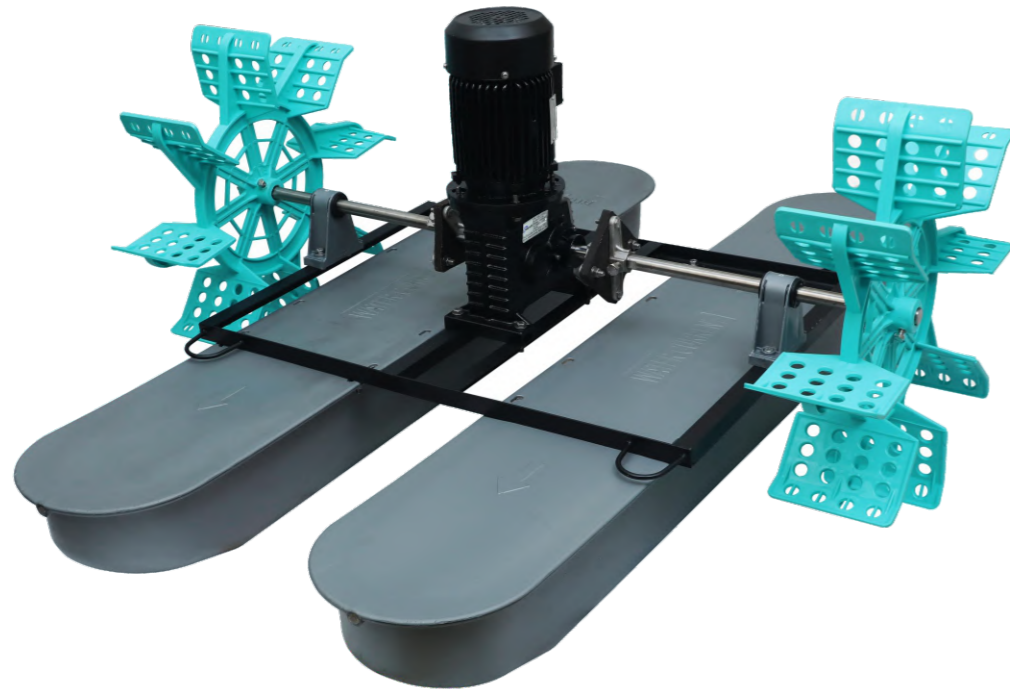
At Elizar Aquaculture, we are committed to providing cutting-edge aerators that optimize aquaculture practices worldwide.

- **Energy and cost savings** : Our aerators are designed for minimal power consumption without compromising oxygen output, leading to significant savings on electricity bills.
- **Improved water quality** : By promoting robust water currents and increasing dissolved oxygen levels, our aerators play a crucial role in enhancing the aquatic environment. They effectively reduce stratification, eliminate harmful gases, centralize sludge, and contribute to an overall healthier aquatic ecosystem.
- **Extended product lifespan** : The use of virgin raw materials, UV-protected plastics, and corrosion-resistant metal parts ensures exceptional durability, even in harsh conditions.
- **Simplified maintenance** : With a design focussed on durability and quality, our products require minimal upkeep, and we provide a readily available supply of spare parts.
- **Commitment to quality** : Every unit undergoes a strict quality control process and comes with a 1-year warranty, providing peace of mind to our customers.
- **IoT and LAN-based Aerators** : It is designed to align with modern technology. These advanced aerators can be operated from a significant distance, enhancing convenience and efficiency. Key features including, Sensors that monitor oxygen and ammonia levels, if oxygen levels drop from the set PPM, the aerator starts; if oxygen levels rise from the set PPM, it stops automatically. This technology ensures optimal conditions for aquatic environments while reducing manual intervention.



Spare Parts

1HP 2 paddle wheel aerator, perfect for both extensive and small ponds. Our aerators stand out for their durability, user-friendly operation, robust construction, and resistance to damage. Quality is our top priority. Incorporating H-class insulation and silicon stamping in the motor, we ensure reduced AMPS consumption and employ thermo sensor technology to prevent motor burning. These key features set our aerator apart and have earned it global recognition.



HDPE Float

2 Unit Virgin HDPE with UV



Impeller

2 Unit Virgin PP with UV



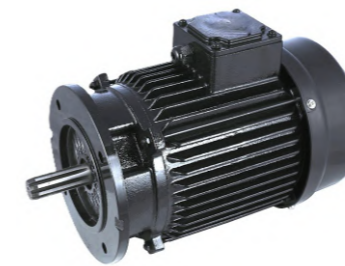
Motor Cover (Blow Molded)

1 Unit 100% Virgin HDPE with UV

KW	HP	VOLTAGE	HZ	EFFICIENCY	DO	AMP
0.75 KW	1	210 & 415	50 & 60	82.8%	1.5 - 1.7	1.2 - 1.3



1 HP
Paddle Wheel Aerator



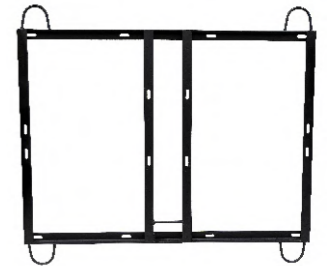
1HP Motor

1 Unit IE Class - 2 & 3



Gear box (Bevel - Helical Type)

1 Unit Cast Iron with Bevel Gear
CED Coated, External Sleeve



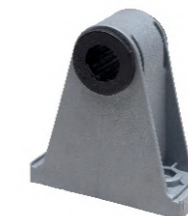
Stainless Steel Frame -
SS. 304

1 Unit L - Angle with Powder Coated



Shafting - S.S. 304

2 Unit Solid Rods



Tripod

2 Unit Virgin Nylon



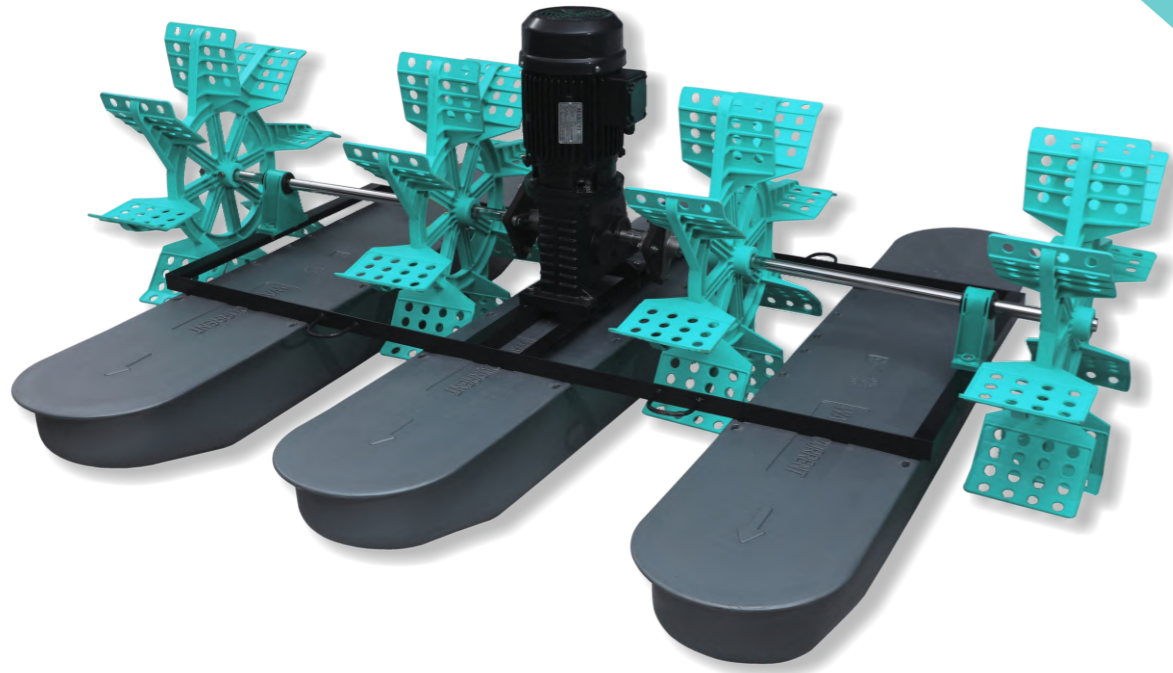
Movable Joint- SS. 304

2 Unit with High Quality Rubber



Nut & Bolt Kit

1 Unit S.S. 304



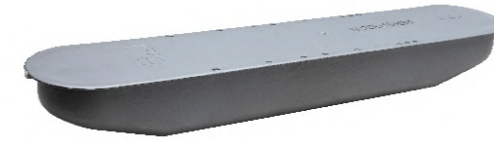
KW	HP	VOLTAGE	HZ	EFFICIENCY	DO	AMP
1.5 KW	2	210 & 415	50 & 60	82.8%	2.5 - 2.8	2.2



2 HP Paddle Wheel Aerator

Spare Parts

2HP 4 paddle wheel aerator, a standout choice in the aquaculture sector known for its reliability and efficiency. Our aerators prioritize quality with a robust design, prolonged lifespan, and resistance to damage. Our dedication to excellence shines through the integration of H-Class insulation and silicon stamping in the motor, leading to decreased AMPS consumption and improved thermo sensor technology to address motor burning concerns. Additionally, our motor and gearbox are CED coated to combat corrosion issues effectively. These unique attributes play a pivotal role in establishing the global reputation and success of our aerators, distinguishing them within the industry.



HDPE Float

3 Unit Virgin HDPE with UV



Impeller

4 Unit Virgin PP with UV



Motor Cover (Blow Molded)

1 Unit 100% Virgin HDPE with UV



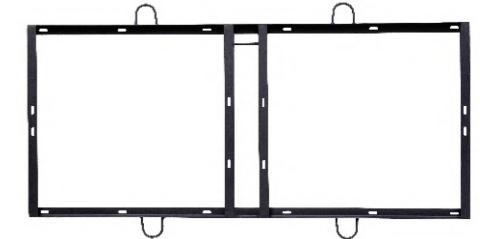
2HP Motor

1 Unit IE Class - 2 & 3



Gear box (Bevel - Helical Type)

1 Unit Cast Iron with Bevel Gear CED Coated, External Sleeve



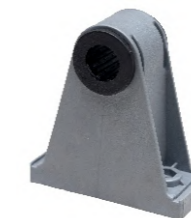
Stainless Steel Frame - SS. 304

1 Unit L - Angle with Powder Coated



Shafting - S.S. 304

2 Unit Solid Rods



Tripod

2 Unit Virgin Nylon



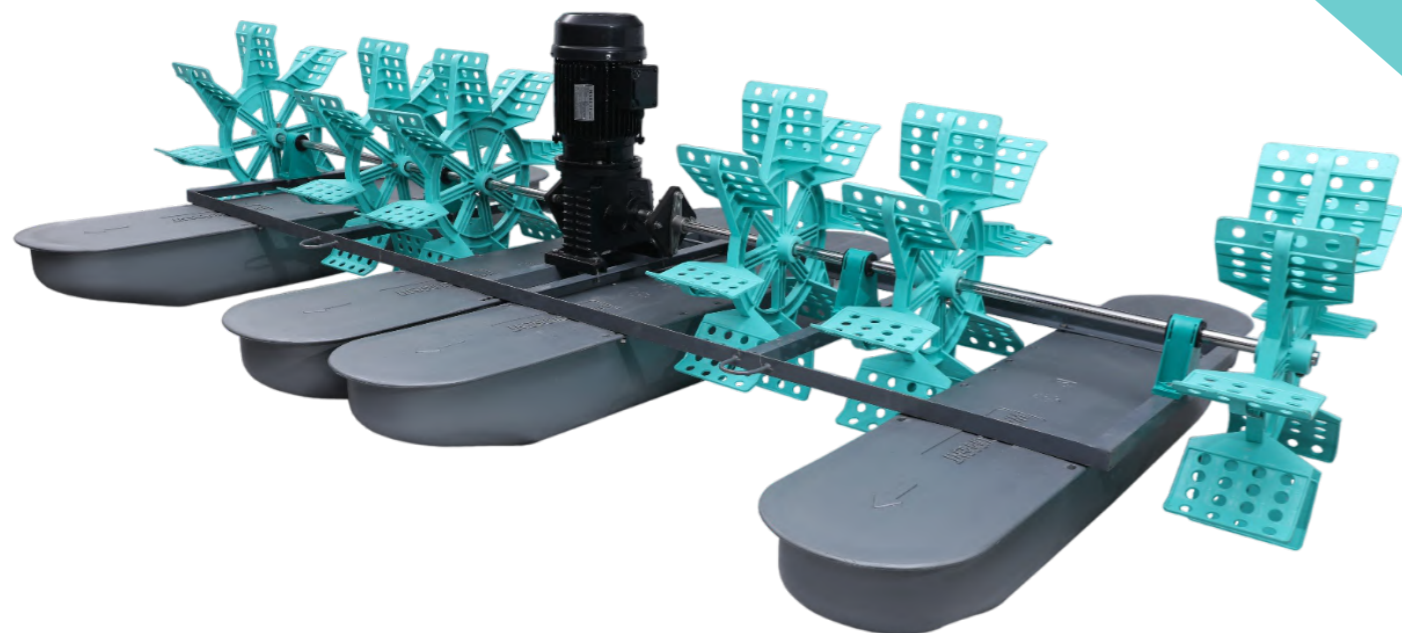
Movable Joint- SS. 304

2 Unit with High Quality Rubber



Nut & Bolt Kit

1 Unit S.S. 304



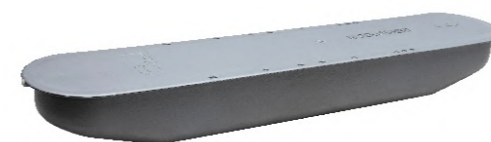
KW	HP	VOLTAGE	HZ	EFFICIENCY	DO	AMP
2.25 KW	3	380 & 415	50 & 60	84.3%	3.4 - 3.7	3.3



3 HP Paddle Wheel Aerator

Spare Parts

3HP 6 paddle wheel aerator, the ultimate solution for semi & big ponds. Our aerators stand out for their longevity, user-friendly design, robust construction, and resistance to damage. Quality is our top priority. With H-Class insulation and silicon stamping in the motor, we ensure reduced AMPS consumption and incorporate thermo sensor technology to prevent burning problems. The motor and gearbox are CED coated, effectively combating corrosion challenges. These distinctive features have propelled our aerators to global recognition. Experience the difference with our aerator - a testament to innovation and excellence in pond aeration.



HDPE Float

4 Unit Virgin HDPE with UV



Impeller

6 Unit Virgin PP with UV



Motor Cover (Blow Molded)

1 Unit 100% Virgin HDPE with UV



3HP Motor

1 Unit IE Class - 2 & 3



Gear box (Bevel - Helical Type)

1 Unit Cast Iron with Bevel Gear CED Coated, External Sleeve



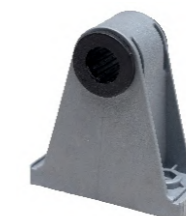
Stainless Steel Frame - SS. 304

1 Unit L - Angle with Powder Coated



Shafting - S.S. 304

2 Unit Solid Rods



Tripod

4 Unit Virgin Nylon



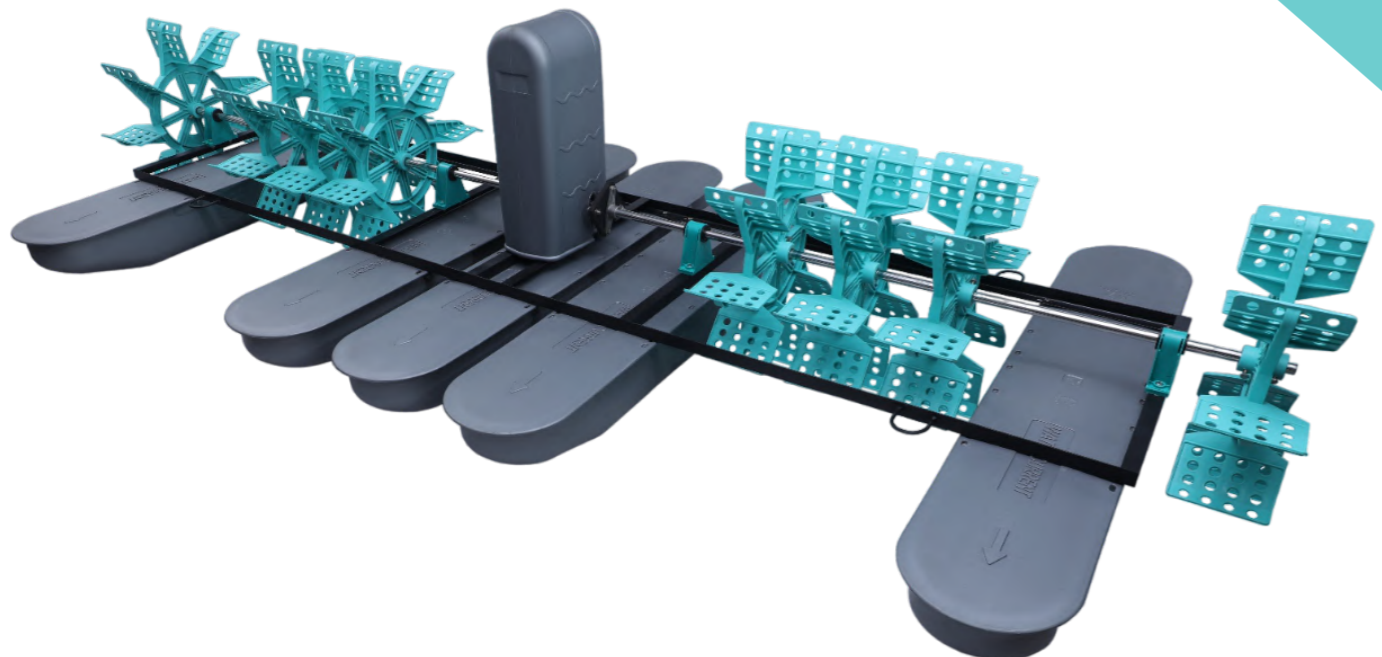
Movable Joint- SS. 304

2 Unit with High Quality Rubber

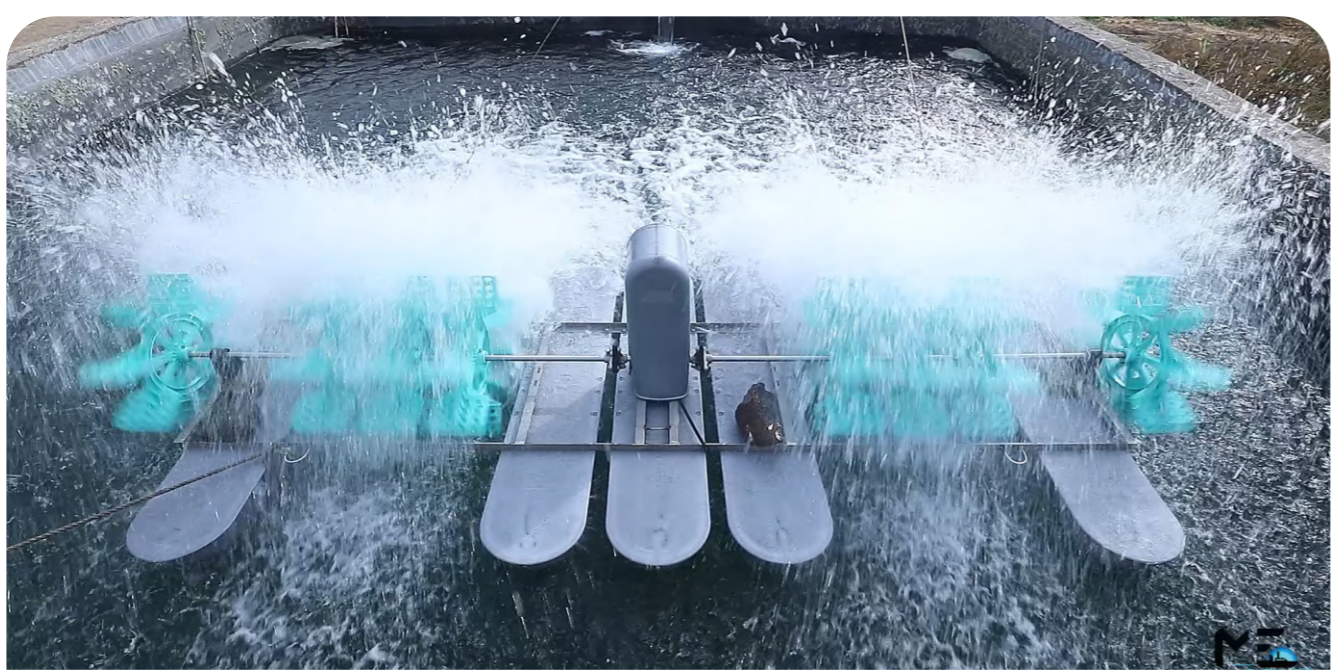


Nut & Bolt Kit

1 Unit S.S. 304



KW	HP	VOLTAGE	HZ	EFFICIENCY	DO	AMP
3 KW	4	380 & 415	50 & 60	84.8%	4.6 - 5.1	4.1 - 4.3

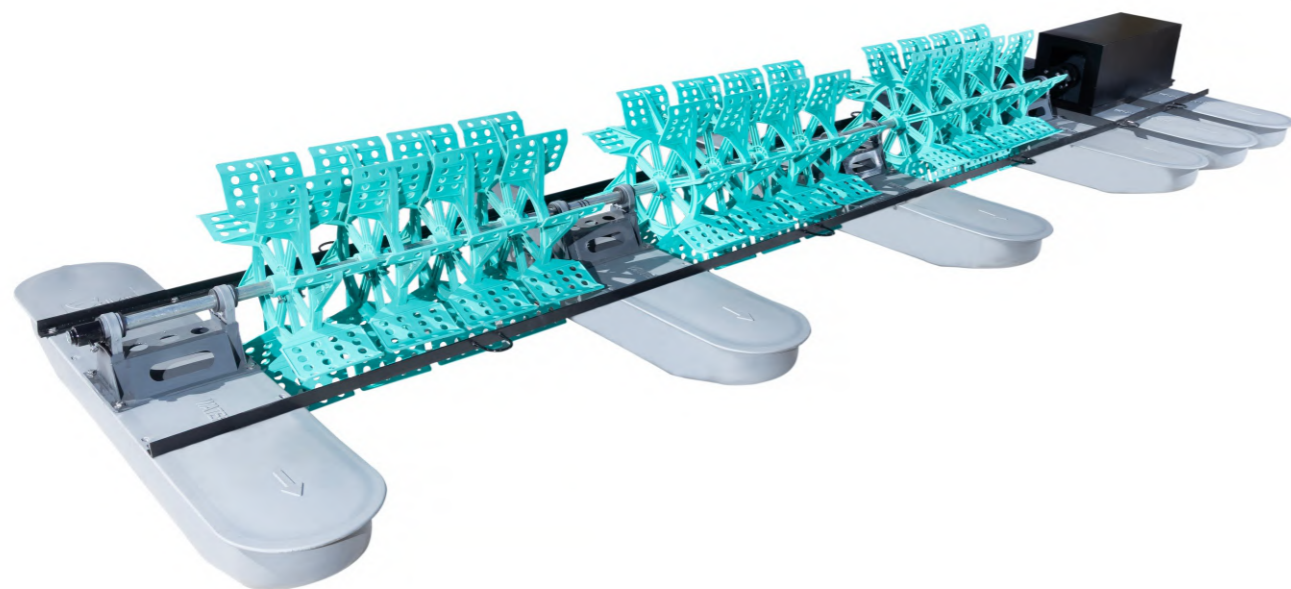


4 HP Paddle Wheel Aerator

Spare Parts

4HP 8 paddle wheel aerator, the ultimate solution for large ponds. Our aerators stand out for their durability, user-friendly design, and robust construction, making them a top choice for pond aeration needs. At the core of our aerators is a commitment to quality. With features like H-Class insulation and silicon stamping in the motor, we ensure lower AMPS consumption and incorporate thermo sensor technology to prevent motor burning issues. Additionally, our Motor & Gearbox are CED coated, offering protection against corrosion and enhancing longevity. These key attributes set our aerator apart, earning it global recognition for its performance and reliability. Experience the difference with our aerator model designed to elevate pond aeration standards.

 HDPE Float 5 Unit Virgin HDPE with UV	 Impeller 8 Unit Virgin PP with UV	 Motor Cover (Blow Molded) 1 Unit 100% Virgin HDPE with UV	
 4HP Motor 1 Unit IE Class - 2 & 3	 Gear box (Bevel - Helical Type) 1 Unit Cast Iron with Bevel Gear CED Coated, External Sleeve	 Stainless Steel Frame - SS. 304 1 Unit L - Angle with Powder Coated	
 Shafting - S.S. 304 2 Unit Solid Rods	 Tripod 4 Unit Virgin Nylon	 Movable Joint- SS. 304 2 Unit with High Quality Rubber	 Nut & Bolt Kit 1 Unit S.S. 304



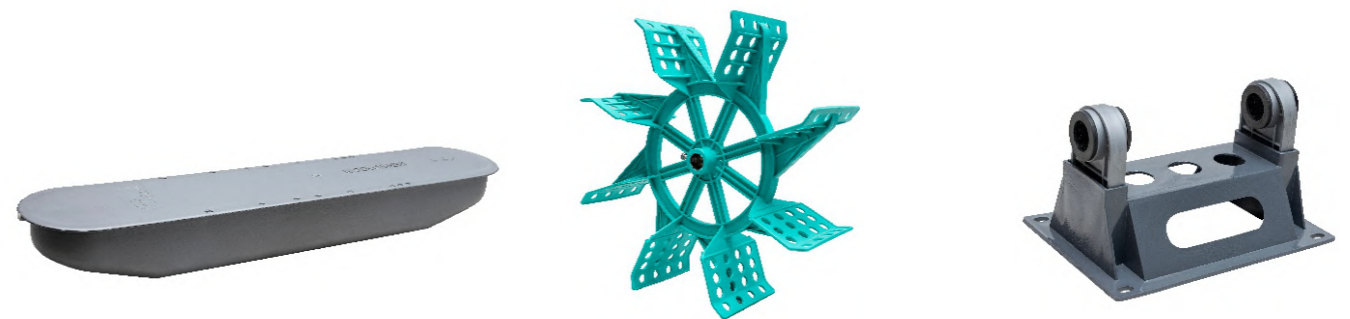
KW	HP	VOLTAGE	HZ	EFFICIENCY	DO	AMP
2.24 KW	3	415	50	84.35%	3.8 to 4.3	3.8



3 HP 12 Paddle Wheel Long Arm Aerator

Spare Parts

We have developed 12 paddle wheel long arm aerator specifically designed for larger ponds more than 1 hectare. Traditional long arm aerators are often "FIXED" to the pond dyke at one end, while our model can place anywhere within the pond. Farmers often face challenges in spare parts such as shaft, impeller, and gimbal joint breakage, gearbox maintenance concerns, insufficient oxygen levels, and inadequate water current. Our model effectively addresses these challenges such as Single Mould Impeller, HDPE Floater, S.S. 304 Shaft and Frame, Strong foundation for Gearbox and Motor, Bigger Gimbal joint and Helical Gearbox. As a result as lower maintenance, increased durability, improved oxygenation as well as water current and reduced power loss compared to the existing traditional long arm aerators.



Float (Blow Mould)

6 Unit Virgin HDPE with UV

Impeller (single Mould)

12 Unit S.S. Bushing Virgin Plastic with UV

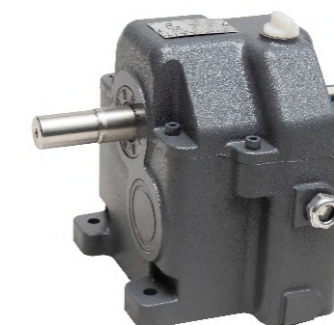
Tripod with Stand

4 Unit Virgin Nylon



3HP Motor

1 Unit with CED Coating



Helical Gearbox

1 Unit Cast Iron with CED Coating



Gimbal Joint

2 Unit Iron



Frame

1 Unit L Angle S.S.304 with Powder Coating



Shafting - SS304

1 Unit Round Pipe OD-33.5mm



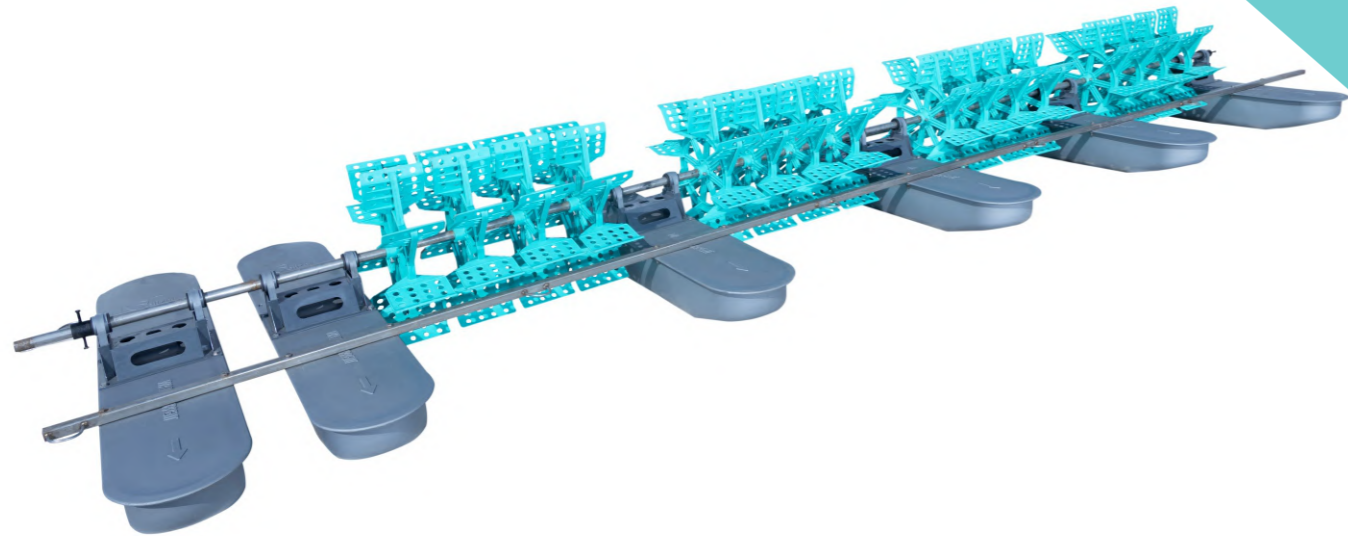
Gearbox & Motor Frame

1 Unit Heavy L Channel Frame with Powder Coating



Nut & Bolt Kit

1 Unit S.S.304



KW	HP	VOLTAGE	HZ	EFFICIENCY	AERATOR RPM
3.67 KW	5	415 (+-)10%	60	84.35%	105

KIRLOSKAR DIESEL ENGINE :

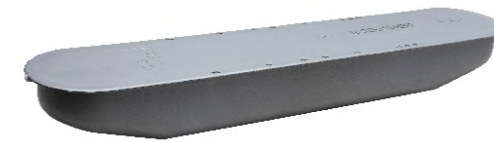
KW	HP	ENGINE RPM	AERATOR RPM	FUEL TANK CAPACITY	FUEL CONSUMPTION	ROTATION	STARTING	STROKE	ENGINE TYPE
5.9 KW	8	1500	105	6.5 LTR	1.5 LTR/HOUR	CLOCK WISE	HAND START	FOUR	AIR COOLED



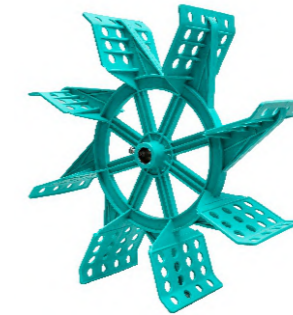
**8HP DIESEL ENGINE / 5HP MOTOR
 16 Paddle Wheel Long Arm Aerator**

Spare Parts

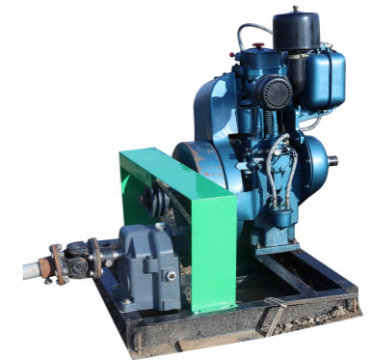
We developed 16 paddle wheels long arm aerator equipped with diesel engine & electric motor for the South American market where pond size is larger ranging from 10 to 50 hectares. Farmers commonly face challenges with existing long arm aerators including issues with shaft, impeller, gimbal joint breakage, gearbox maintenance, and insufficient oxygen and water current. Our model addresses these concerns by incorporating robust designs for each spare part, including Single Mould Impeller, HDPE Floater, S.S. 304 Shaft and Square Pipe Frame, Strong foundation for Gearbox and Diesel engine/Motor, Bigger Gimbal joint, Helical Gearbox. These enhancements lead to lower maintenance, increases durability, improve oxygenation and water current, and reduce power loss compare to other long arm aerators.



Float (Blow Mould)
 6 Unit Virgin HDPE with UV



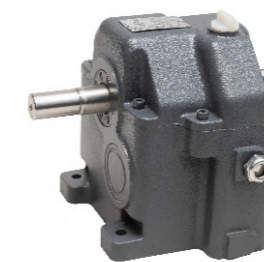
Impeller (single Mould)
 16 Unit S.S. Bushing Virgin Plastic with UV



Gearbox with Diesel Engine
 1 Unit 8HP Kirloskar Diesel Engine



5HP Motor
 1 Unit with CED Coating



Helical Gearbox
 1 Unit Cast Iron with CED Coating



Gimbal Joint
 2 Unit Iron



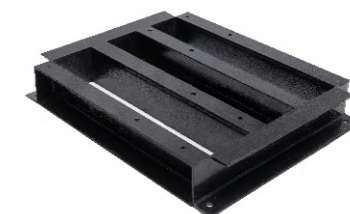
Tripod with Stand
 5 Unit Virgin Plastic with UV



Frame (32mm x 32mm)
 2 Unit S.S.304 Square Pipe



Shafting (20 Feet)
 1 Unit S.S. 304 (Round Pipe OD-33.5mm)



Gearbox, Diesel Engine Frame
 1 Unit Heavy C Channel Frame with Powder Coating



Nut & Bolt Kit
 1 Unit S.S.304



Motor

IE Class - 2 & 3



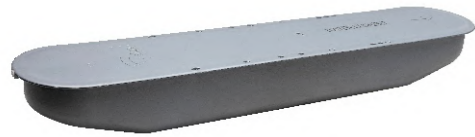
Gear Box
(Bevel - Helical Type)

Cast Iron with Bevel Gear
CED Coated, External Sleeve



Motor Cover

Virgin HDPE with UV



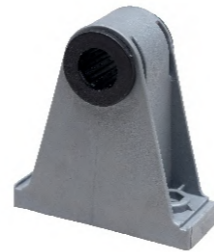
HDPE Float

Virgin HDPE with UV



Impeller

Virgin PP with UV



Tripod

Virgin Nylon



Movable Joint

SS. 304 with High Quality Rubber



S.S. Bolt Kit

SS 304



Motor Fan Cover

IE Class - 2 & 3



Bevel Gear



Pure Copper Wire



Silicon Stamping



Oil Seal



Bearing



1HP Shaft



2HP Shaft



3HP Shaft



4HP Shaft



Motor

with CED Coating



Helical Gearbox

Cast Iron with CED Coating



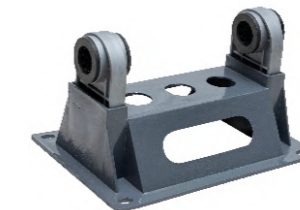
Gearbox & Motor Frame

Heavy L Channel Frame with
Powder Coating



Impeller

S.S. Bushing Virgin Plastic with UV



Tripod with Stand

Virgin Plastic with UV



Gimbal Joint

Iron



Frame

L Angle S.S.304 with Powder
Coating



Shafting- SS 304

Round Pipe OD-33.5mm



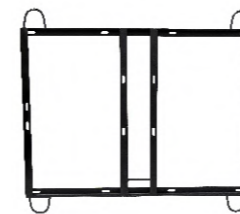
S.S. 304 Shaft

IE Class - 2 & 3

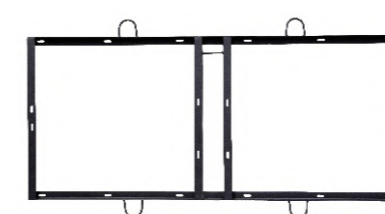


Alu. Die Cast Rotor

Frame



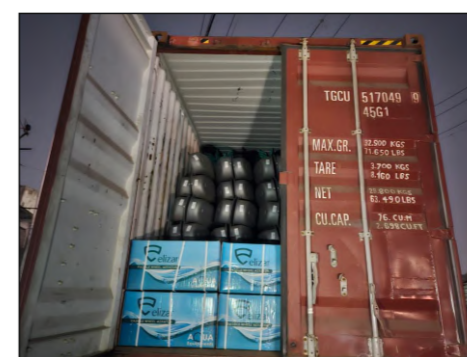
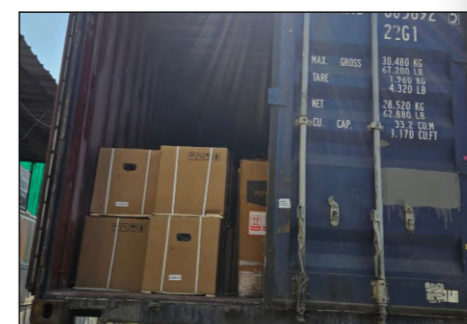
1HP Frame



2HP Frame



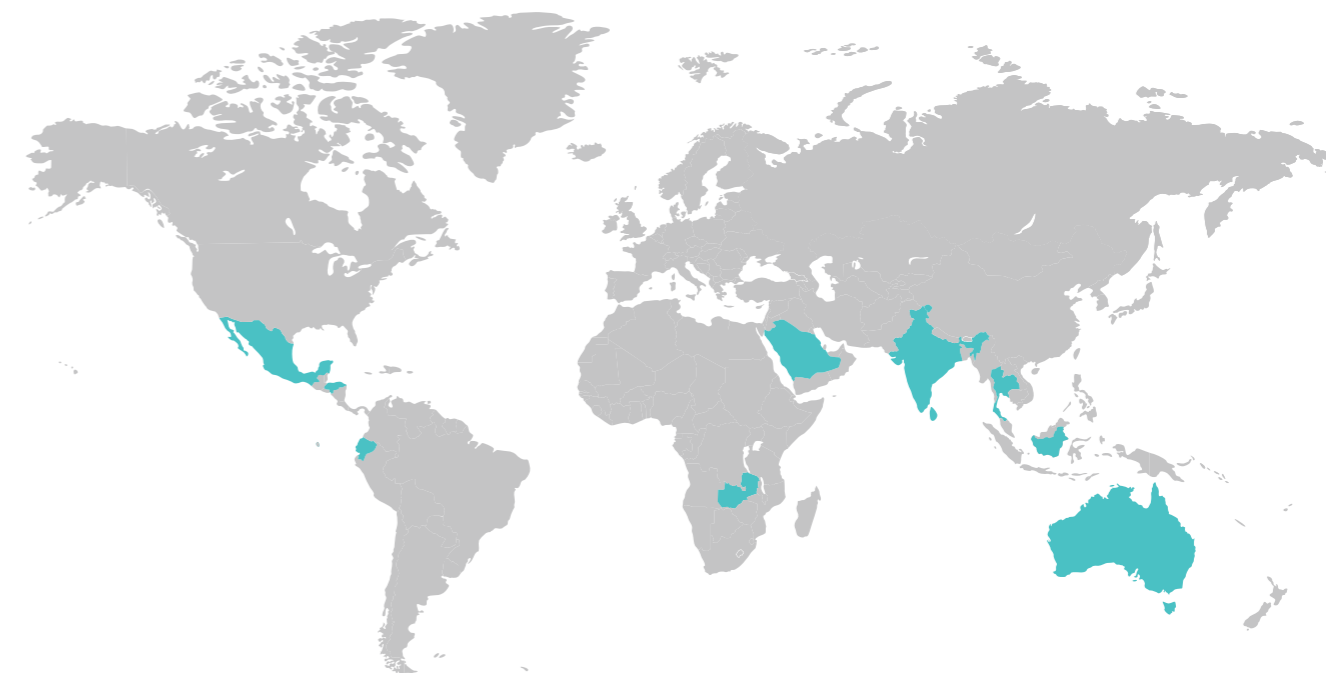
3/4HP Frame



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Mexico



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Honduras



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