

# Floating Turbine



**Floating Turbine** - This is a new turbine offering that is in response to numerous requests. We have completed the testing and this product is now available. The unit comes with a 250 watt AC generator and electronic load controller.

This floating turbine is designed to generate:

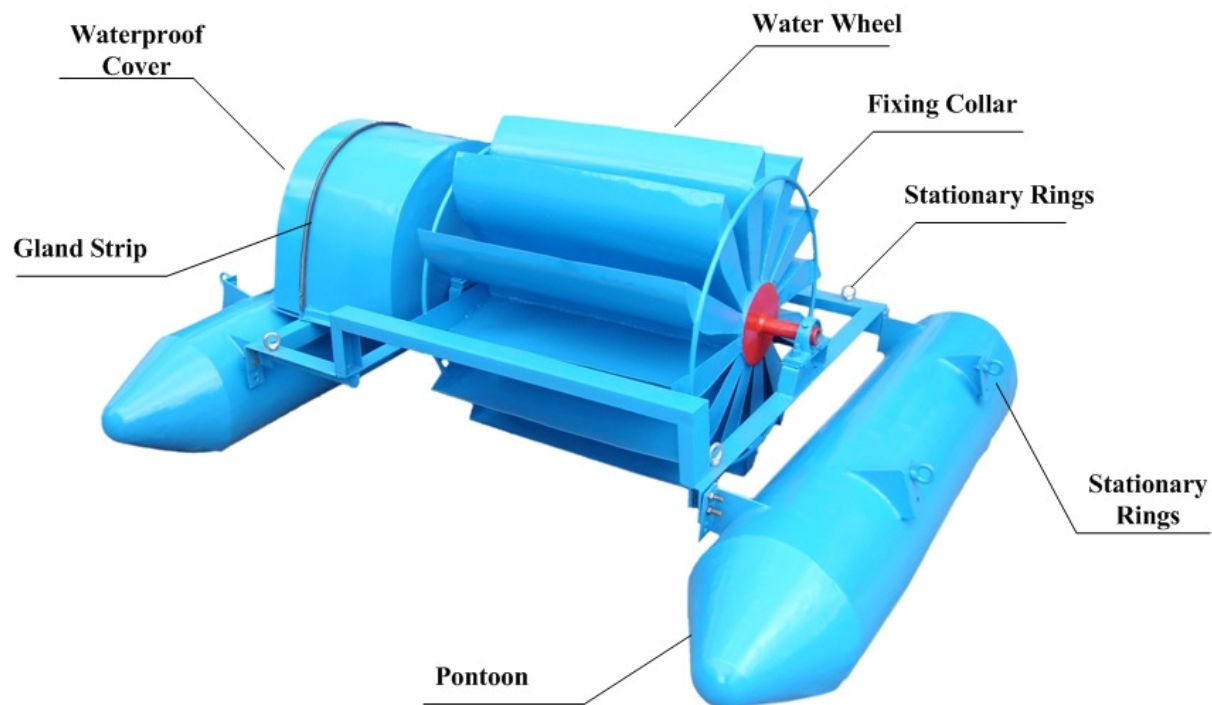
200 watts continuously at a water speed of 2.8 meters per second (6 1/4 mph).

150 watts continuously at a water speed of 2.2 meters per second (5 mph).

100 watts continuously at a water speed of 1.8 meters per second (4 mph).

The paddle wheel will turn at approximately 100 rpm, and will be connected through a gear arrangement to turn the generator at 900 rpm. The unit will generate AC power, that can be converted to DC with a rectification box. We can supply the rectification box to convert AC to DC . Available voltages are : 12, 24, or 48 VDC.

This unit is ideal for remote sites that don't want to listen to a generator or for off grid applications and battery systems.



The floating turbine needs to be staked, or held in place by cables. Don't underestimate the force the turbine will place against the stays - it is significant.

In the event you would like to supply your own pontoons, or use the water wheel in a stationary condition you can purchase the floating turbine shown "without" pontoons.

St.Onge Environmental Engineering (SEE), 3953 Touareuna Rd., Amsterdam, NY 12010

[www.hydro-turbines.com](http://www.hydro-turbines.com)

email:stonge.gary@gmail.com

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## Frequently asked questions

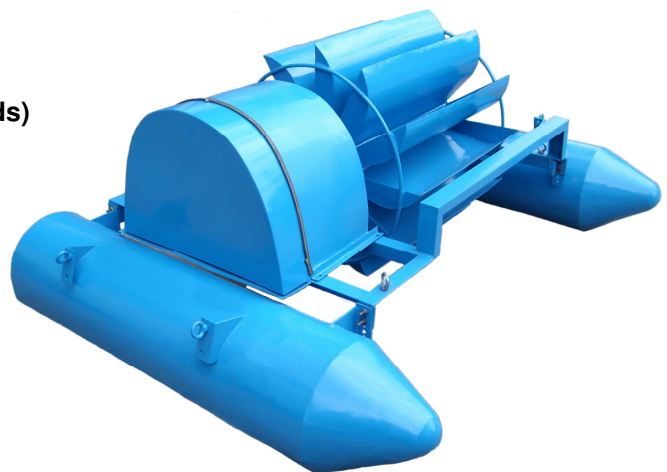
- 1) The turbine uses a gear box to step-up the turbine rpm to the generator
- 2) The unit is made of steel
- 3) Blue enamel paint is applied to protect the steel from corrosion.
- 4) Shipping dimensions- the turbine ships in 2 boxes - shipping weight and Shipping dimensions are shown below
- 5) Two or more units may be chained in series.
- 6) 2 or more can be connected electrically by converting to DC at the turbine. Then the DC voltage can be connected together. The AC voltage can not be connected between two turbine because they will not remain in phase
- 7) Overall dimensions of the assembled unit are as follows.  
How deep will the unit extend into the water? 300mm(12")  
How wide (Outside-of-pontoon to outside-of-pontoon)? : 2400mm (95")  
How long is the unit? : 1300mm (51.5")
- 8) Two additional floats can be added for additional buoyancy – note the brackets on the sides of the floats.

	Weight (kg)	Weight (pounds)	Dimensions (cm)	Dimensions (inch)
Turbine	122	270	150×112×86	59"×44"×34"
Floats	46	100	136×78×40	54"×31"×16"

Total packages per unit shipped : 2

Total gross shipping weight 242 Kg (532 pounds)

Total shipping volume : 1.87 cubic meters



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