

# We Harness the Power of Wind Combine it with the Water



## Soyut WindMill 6

Protect our planet while increasing your agricultural productivity.



The environmentally friendly **Soyut WindMill** wind water pump offers a sustainable irrigation solution for your farmland. It also meets the water needs of homes. Aerodynamic blades and advanced technology ensure effective water pumping even in the lightest winds.

Its durability is enhanced with a galvanized steel tower and stainless steel pump, and the system offers 50% more energy savings than fossil fuel alternatives.

Soyut WindMill reduces your agricultural irrigation costs with wind power.

### Irrigation with Wind Water Pump in Agriculture

A wind pump is a wind mill that pumps water from various water sources, including boreholes. The pumped water is often used to provide clean drinking water, irrigate agricultural fields or hydrate and feed animals.

- ▶ It reduces dependence on external energy sources.
- ▶ It is a clean energy and has almost no harm to the environment.
- ▶ No fuel consumption and no air pollution.
- ▶ It does not cause pollution like that produced by fossil fuel power plants.

### How it Works?

A wind pump uses wind power to draw water from a source. The circular motion generated by the blades is converted into linear motion in the nacelle, which moves the pump piston up and down to draw water.

Even light winds are enough for the system to work, allowing an average wind pump to draw 10-15 tons of water.

### Warranty and Service Plans

Soyut WindMill comes with a 2-year warranty, with service plans available that can extend coverage up to 5 years.



SPECIFICATIONS

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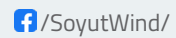
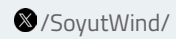
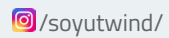
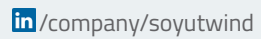
Wind Pump

Weight	1.450 kg
Capacity	90 tons / day (60 m depth)
Number of Blades	16
Blade Angle	40°
Rotor Diameter	6 m
Tower Type	Steel Lattice
Tower Height	10 m
Tower Bottom Width	170 cm x 170 cm
Tower Top Width	60 cm x 60 cm
Cut-in Wind Speed	4 m/s
Rated Wind Speed	10 m/s
Cut-out Wind Speed	12 m/s
Wind Protection	Furling
Facing into the Wind	Yes (Tail)
Brake	Yes (Mechanical)





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