

## Specifications

### LOW WIND (RESTEC) Mark 10 - High Performance ARK 10 Water Pumping Windmill ITEM Mark 10

<b>Water Pumping Model</b>	<b>Pumps more water from any depth, in any wind speed at a lower cost than any other windmill in the world.</b>
<b>Furling Wind Speed</b>	<b>25 - 30 MPH (13.4 meters per second)</b>
<b>Gear Box</b>	<b>Sealed gear box. Variable gear ratios available for specific applications.</b>
<b>High Wind Protection</b>	<b>Rotor furls out of the wind, and then automatically restores the rotor facing the wind when the wind speed drops</b>
<b>Lowest Run Speed</b>	<b>2.5 MPH (1.1 meters per second)</b>
<b>Maintenance</b>	<b>Minor annual maintenance and oil change every 3 years will keep the machine running indefinitely. Replacement parts, rarely needed are readily available.</b>
<b>Materials</b>	<b>Galvanized rotor blades, cast iron gear case and precision transmission gears</b>
<b>Maximum Effective Depth</b>	<b>1,200 meter (3,936 Feet)</b>
<b>Maximum RPM</b>	<b>62</b>
<b>Maximum Strokes/Minute</b>	<b>15</b>
<b>Operating Temperature</b>	<b>No high or low temperature limitations</b>
<b>Rotor Type &amp; Height</b>	<b>7 Meter (23 Feet) Diameter. 40 Ft to Center Line.</b>
<b>Start-Up Wind Speed</b>	<b>2 - 4 MPH (0.9 meters per second)</b>
<b>Stroke Settings</b>	<b>24 Inches (60.9 cm)</b>
<b>Warranty</b>	<b>Lifetime guarantee for all parts</b>
<b>Water Purification &amp; Desalination Option</b>	<b>Yes - Subject of ongoing R&amp;D</b>
<b>Electrical Generation Option</b>	<b>Yes - Subject of ongoing R&amp;D</b>
<b>Hydrogen Generation Option</b>	<b>Yes - Subject of ongoing R&amp;D</b>
<b>Water Aeration</b>	<b>Yes - Subject of ongoing R&amp;D</b>