Alternative Water

Atmospheric Water Generators

HIGH ENERGY-EFFICIENT ATMOSPHERIC WATER GENERATOR

(SMALL SIZE)

AID HOME ™

The Atmospheric Water Generator **AID HOME** has been designed and manufactured by ALTERNATIVE WATER, Corp**.**

The most advanced technology developed by **ALTERNATIVE WATER** is based on the principle of condensation to efficiently harvest the humid air producing a high quality and low mineral water which has been certified by the USA authorities, having passed the relevant health checks and received, therefore, the mandatory National Register of Health, ensuring hygienic conditions and quality of the product.

The **AID HOME™** equipment is ecological that contributes to regeneration of the natural water cycle, to restore the humidity in the atmosphere that would otherwise remain accumulated in the upper layers of the same as a result of the greenhouse effect.

The **AID HOME™** equipment uses components completely free of CFC and is designed to be powered by electrical energy that can be obtained from the distribution network or alternatively wind turbines and photovoltaic sensors with automatic solar tracking.

The **AID HOME™** equipment is manufactured according USA and CE quality standards, with components "Made in USA & Europe, UL & CE" for easy replacement if necessary, to be available in the general market for industrial components.

The **AID HOME™** is the high energy-efficient equipment, as flexible and adaptable as possible, with the lowest power consumption rate, the greatest water output and versatility of easy-fit standard electrical/plumbing connections and easy maintenance. The AID HOME would be the one of the most economically feasible equipment **by producing the necessary amount of water during intended period of daytime**.

The **AID HOME™** is a stay-alone water generating unit able to produce pure drinking water under favorable weather conditions up to **~80 gallons/day** (300 liters per day).

This equipment aims to provide 100% natural and healthy water for the benefits provided for consumer health.

Note: AID WATER GLOBAL offers a product that is pure drinking water which by its nature is not new, but new is the source from which water is obtained. This development may lead consumers to choose this type of water compared to other types; in addition, this method allows to obtain pure drinking water at lowest energy cost preserving its high-quality.

Advantages of the AID HOME™

Water is supplied from an alternative source, which is the atmosphere; helping to set the ground with atmospheric water generation equipment in any area. The following advantages are demonstrating the economic attractiveness of the equipment.

- The Greatest Water Output Up to ***80 Gallons/Day*** vs. its size and energy consumption;
- Electrical voltage versatility **110V**/220V Single-phase;
- Wide Range of ***Efficient Operation*** in unfavorable weather conditions (T=41°F – 131°F; RH=17% - 99%);
- Highest Efficiency & Better Performance in regard to the Power Consumption per Gallon, up to ***0,57*** *kWh/gallon*; (0,15 kWh/liter)
- The water produced by generating equipment directly flows cold and pure, being more suitable for consumption; drinking water is on-site at the point of need;
- Super Heavy Duty, Structural Steel Case

- Ideal energy harvesting technology used in water generating equipment allows to obtain a competitive water price, not possible with other devices available on the market;

- All electric and electronic components are vented and pre-cooled to avoid over-heating and malfunctioning under extreme high temperature weather;

- Quick and easiest installation start up and maintenance:

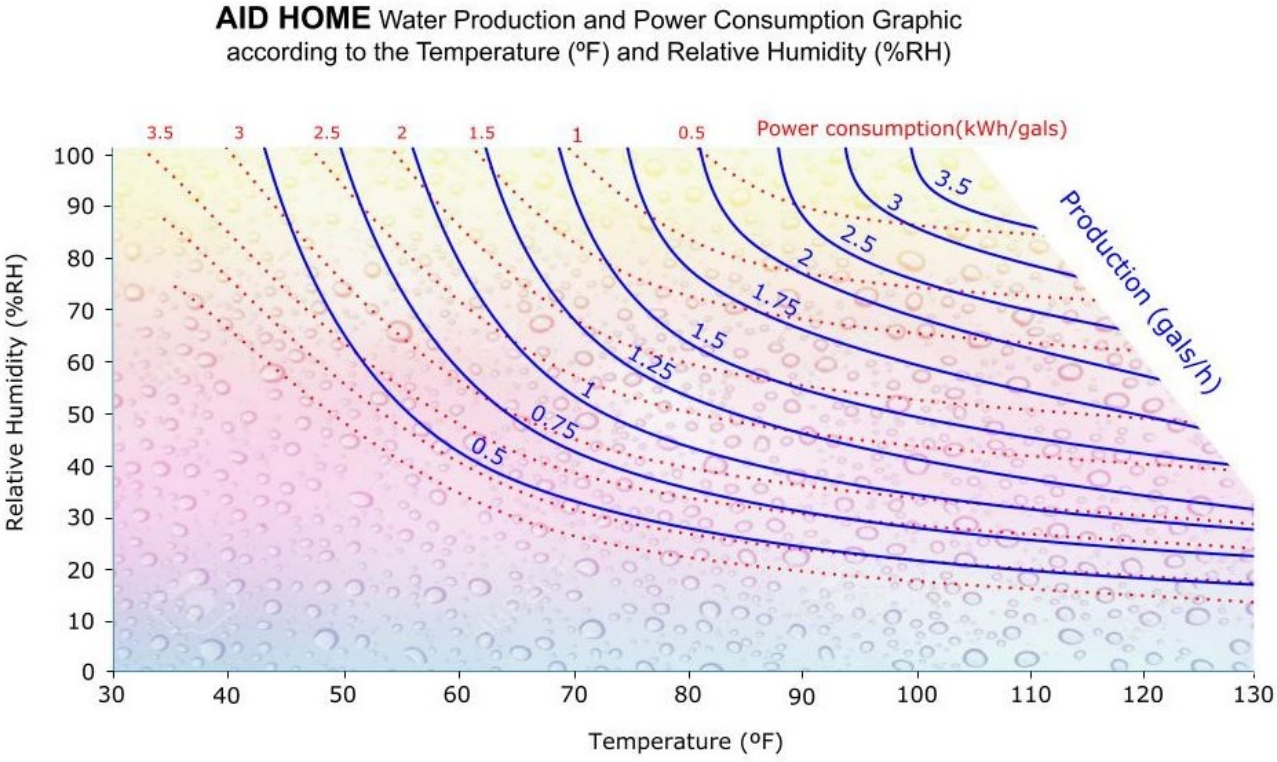
- Powered by any types of energy, including ***Renewable energies:***

- NSF-61 certified & FDA approved components; Standard spares;

- Environmentally friendly, Harness fully renewable source of freshwater in the atmosphere.

Production Capacity of the AID HOME™

The production capacity of the AID HOME closely depends on the environmental conditions. It is to be expected that in hot humid weather conditions, with higher relative humidity and higher content of water vapor, the equipment production capacity will be greater, as well as the electrical energy cost of every gallon of water produced will lower.



Taking form each table the average temperature and humidity data and projecting this data over each diagram we can get the approximate result of water production per hour for the AID HOME Unit and its electricity consumption per gallon.

The water production graphic above shows the approximate water production **gallon/h** and electricity consumption **kWh/gallon** in each particular condition.

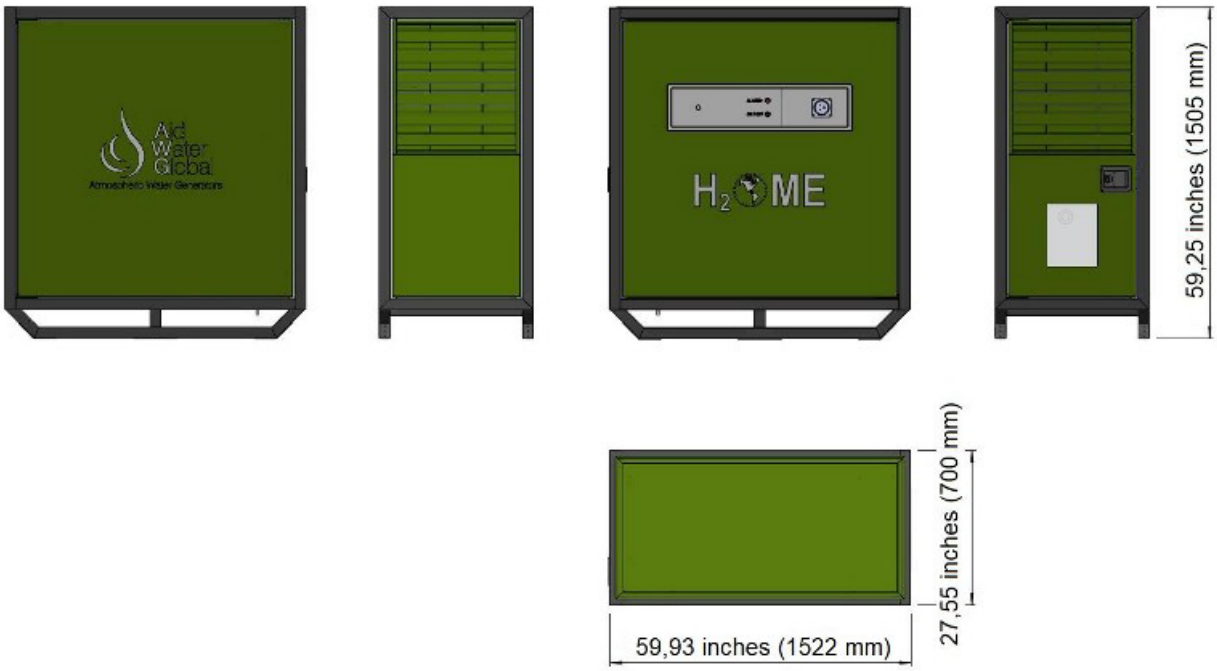
The average hourly production is shown by the blue to yellow color degradation, from less to more. The highest production is represented by intense yellow color.

Technical characteristics of *the AID HOME*™

NEW Eco

THE AID HOME DIMENSIONS

Length (L)	59.93 inches (1,522 mm)
Width (W)	27,55 inches (700 mm)
Height (H)	59.25 inches (1,505 mm)
Weight	660 Lb (300 kg)



AVERAGE WATER PRODUCTION AND ENERGY CONSUMPTION

Environmental conditions	60°F - 90%HR	85°F - 85%HR	125°F - 95%HR
Water production	0.76 galls/h	2.18 galls/h	3.3 galls/h
Power consumption	2.5 kWh/gall	0.87 kWh/gall	0.57 kWh/gall

EFFICIENT OPERATING RANGE	Temperature and Relative Humidity, max and minimum
Temperature	41°F - 131°F
Relative humidity	17% - 99%

TECHNICAL DATA

ELECTRICAL CHARACTERISTICS		
Rated Voltage	110V, single-phase, 60 Hz	220V, single-phase, 60 Hz
Rated Power	1.9 kW	1.9 kW
Amps per Phase	20.5A	10.2 A
MAIN COMPONENTS		
Compressor	Type	Hermetic Alternative
	Brand	ZB-19 KCE-PFJ
	Displacement	6.8 m3/h
	Cooling capacity	4.99 kW
Fan	Nominal flow	3,500 m3/h
	Type	Radial variable speeds
	Static pressure	940 Pa
	Power	0.78 kW-2,965 rpm
Cooling circuit	Gas	134A
	Gas Load	7.48 Lbs
	Expansion	Electronic valve
Quality features	Certified	NSF-61
	Approved	FDA
Sound level	Sonic pressure	68 dB (A)

Main Components of the AID HOME™ as per NSF61 Standards

- The unit case made of galvanized sheet iron profiles covered by synthetic painting coats;
- Cooling coils made of aluminum covered by polyurethane coats as per NSF61 standards;
- Energy recuperation system made of aluminum covered by polyurethane coats as per NSF61 standards;
- Water circuit made of stainless-steel pipes as per NSF61 standards;
- 5 galls internal condensing tray made of high-density stainless steel as per NSF61 standards;
- FDA approved components;