

Product List of Haolin Atmospheric Water Generator

Haolin, A Leading Atmospheric Water Generator Manufacturer in the World
To Make Drinking Water Available and Affordable Anywhere on the Earth

2020-2021

Home and Office Use



HL-A20L
470W+500W



HL-A80L
1,250W

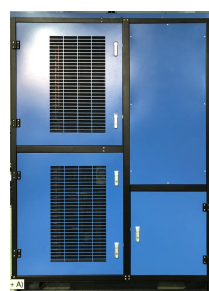
Small & Middle Industrial AWG



HL-A250L
2,450W



HL-A500L
4,300W



HL-A1000L
8,700W



HL-A2000L
17,500W

2022-2023

Large Industrial AWG + IOT Enabled



HL-A5000L + IOT Enabled, 46,000W

2024~

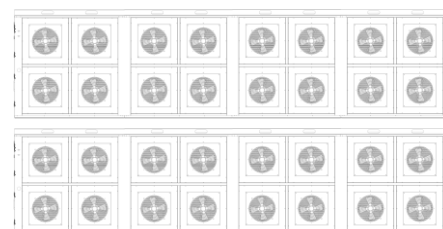
HL-A20L Desktop



DC 24V – HL-A50L

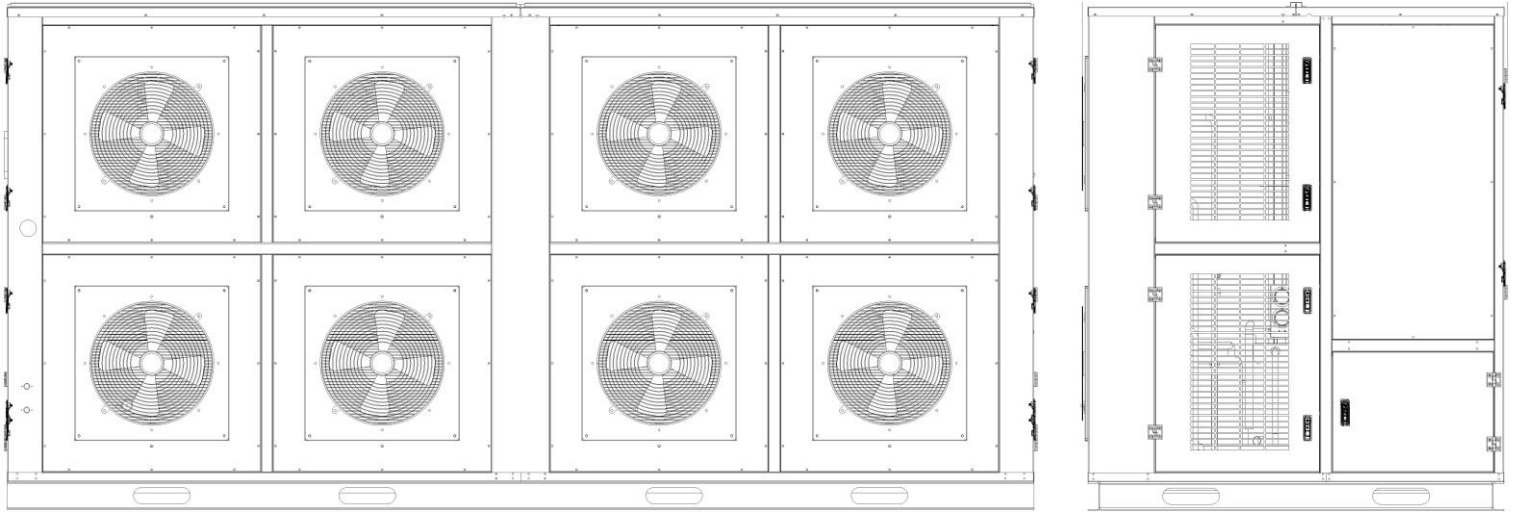


HL-A20,000L Water Station

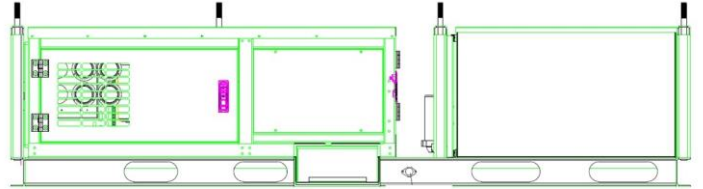


Excellent Design and Manufacture Capability on AWG

5000L Atmospheric Water Generator Design Drawings



Customized Atmospheric Water Generator for Heavy Truck & Recreational Vehicle



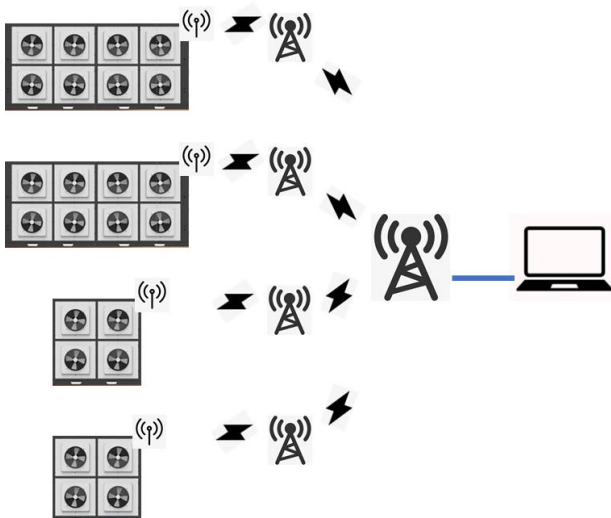
Customized Atmospheric Water Generator for company staff to get water by swiping card



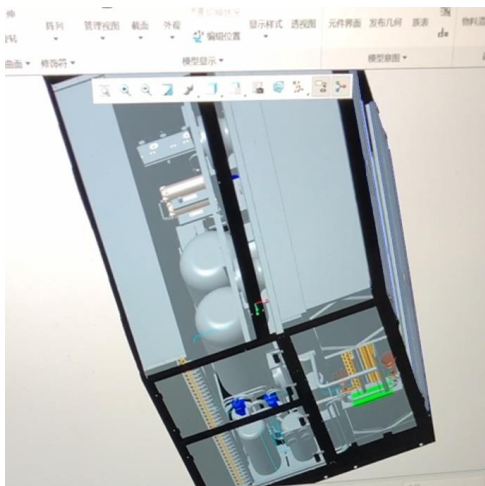
End to End Solar Powered Haolin AWG Solution



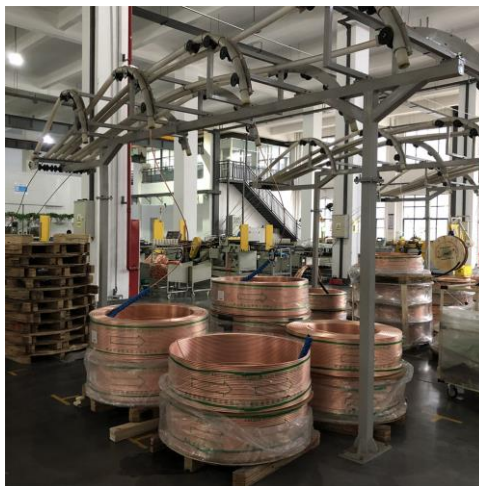
IOT technology enabled in Haolin Industrial AWGs
Easy maintained remotely + Further Opex saved



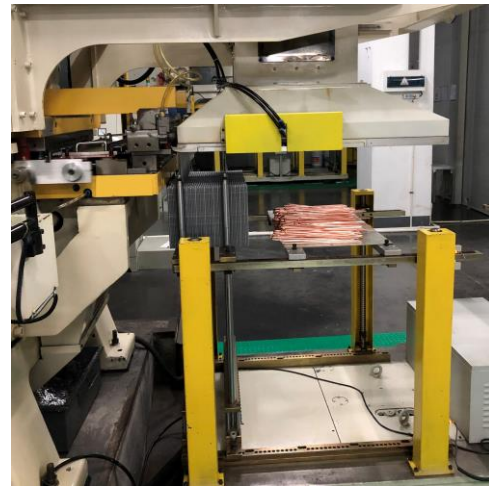
Key Process in Factory



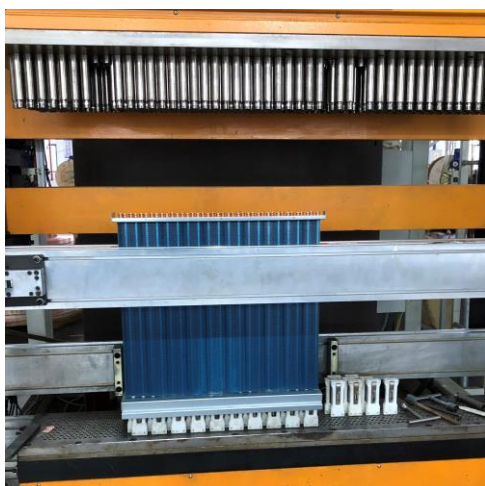
System Design



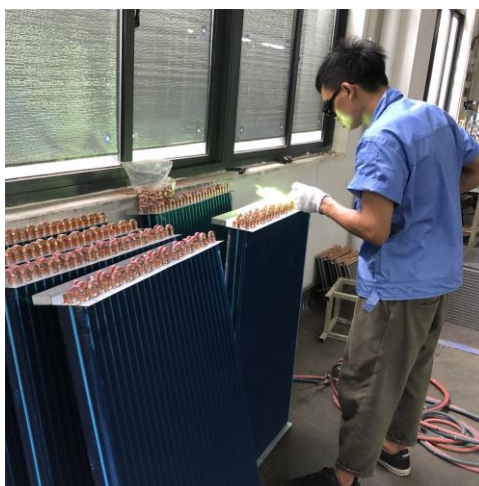
Copper Tube Molding



Aluminum Foil Punching



Aluminum Foil Threading



Copper Tube Welding



Sheet Metal Workshop



Equipment Installation Workshop



Compressor Installation



Water Filters Installation



Equipment Completed



Workshop of temperature and humidity environment simulation



Water generation testing

Highlights of Haolin Industrial Atmospheric Water Generator

1 - Excellent and high efficiency on water production, even @lower humidity level

Haolin industrial AWGs' (atmospheric water generators) water production is:
>=330% of traditional AWGs **@25°C & RH-30%**

2 - Energy saving and cost effective - 230Wh per 1 liter @30°C & RH-80%

Haolin industrial AWGs rated power consumption can achieve 230Wh per 1 liter @30°C & RH-80%, with Haolin unique and patented design allowing the cool and dehumidified air to absorb heat of incoming air, which make Haolin AWGs power consumption is **33%~64% lower** than other traditional AWGs. It is really benefit to areas with energy shortages or expensive. And lower power consumption will lower your investment on solar power panels, inverters, and batteries when customer want to use solar power or wind power.

3 - IOT Enabled in Haolin Industrial AWGs for Maintained Remotely Further Opex Saved

4 - Function modularity design for various capacity demand

Haolin function modularity design allows to built various capacity for industrial use to reach a wide range of application scenarios. Currently 250L, 500L, 1000L, 2000L, 5000L @30°C & RH-80% can be provided directly, other capacity design can be delivered quickly according to customers' requirement.

5 - Guaranteed product quality on water extraction

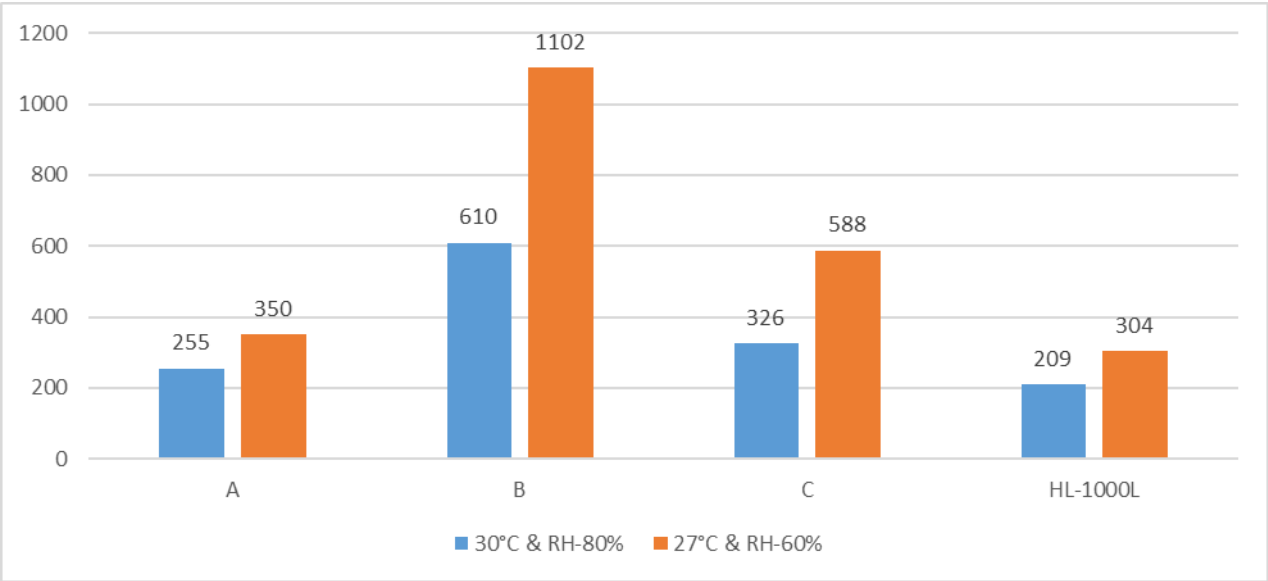
Haolin workers have many years experiences on AWG manufacture and commissioning. Haolin will make performance testing before packing AWG into plywood box to ensure Haolin AWG product quality and efficiency.

6 - High quality materials and multi-layer filtration system to ensure quality guaranteed drinkable water

Only high quality stainless steel, aluminum foil, air and water filtration systems are used in Haolin AWGs, since all components contact with potable water are strictly following National Standards for Drinking Water guidelines.

With Air filter+PPF+GAC+PPF+RO+LED-UV sterilizer to filter particles and remove bacteria in air and water effectively, Haolin AWGs can produce high quality drinkable water.

With Haolin’s unique and patented power saving technology on AWG, Haolin AWG’s power consumption is 33%~64% of traditional AWG suppliers under the same temperature and relative humidity condition



Investment for 1 year, 5 years, 15 years, 30°C&RH-80%, 27°C&RH-60%, On-Grid.

- **90%+** cost is from electricity consumption in the long term usage (i.e. 15 years)
- **34%~65%** of total investment can be saved comparing with traditional AWG suppliers.
- **Further cost saving** under solar power scenario.

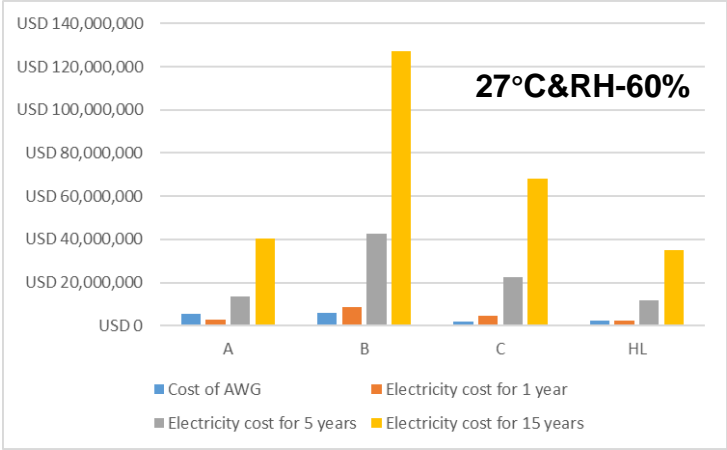
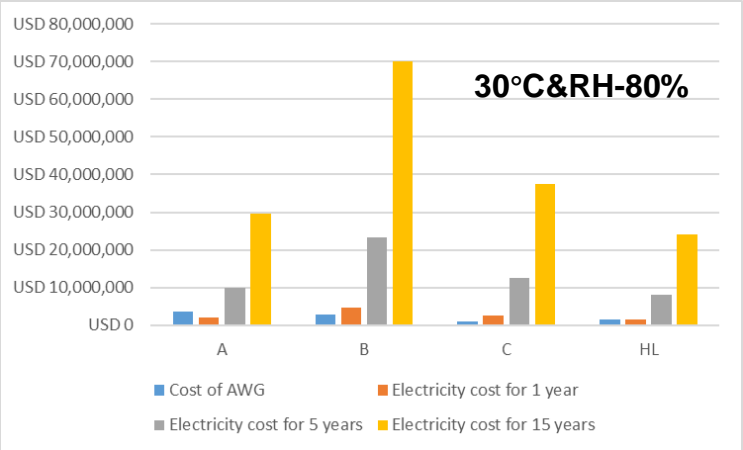
Scenario simulation: Based on total water requirement **100,000 liters per day** @30 °C & RH-80% & 27 °C & RH-60%.
Take **1000L AWG** into calculation.

| AWG Cost/Total | A | B | C | HL |
|----------------|-----|-----|-----|-----|
| 1 year | 64% | 37% | 27% | 48% |
| 5 years | 26% | 11% | 7% | 16% |
| 15 years | 11% | 4% | 2% | 6% |

| Electricity Cost/Total | A | B | C | HL |
|------------------------|-----|-----|-----|-----|
| 1 year | 36% | 63% | 73% | 52% |
| 5 years | 74% | 89% | 93% | 84% |
| 15 years | 89% | 96% | 98% | 94% |

| AWG Cost/Total | A | B | C | HL |
|----------------|-----|-----|-----|-----|
| 1 year | 67% | 40% | 30% | 52% |
| 5 years | 29% | 12% | 8% | 18% |
| 15 years | 12% | 4% | 3% | 7% |

| Electricity Cost/Total | A | B | C | HL |
|------------------------|-----|-----|-----|-----|
| 1 year | 33% | 60% | 70% | 48% |
| 5 years | 71% | 88% | 92% | 82% |
| 15 years | 88% | 96% | 97% | 93% |



HL-A250L - Plug & Drink For Commercial Use

Haolin Atmospheric Water Generator

Produce 250 Liters Clean, Drinkable Water Daily @30°C & RH-80%
Produce 150 Liters Clean, Drinkable Water Daily @27°C & RH-60%
Produce 33 Liters Clean, Drinkable Water Daily @25°C & RH-30%



Specification of HL-A250L

| | |
|--|--|
| Water Production (Liter/24Hrs) @30°C & RH-80% | 250 |
| Input power (W) | 2,450 |
| Efficiency (Wh/Liter) @30°C & RH-80% | 235 |
| Power supply | AC 220V/110V 50Hz/60Hz, Single-Phase Voltage |
| Compressor type | Enclosed Vortex Compressor |
| Compressor qty | 2 |
| Refrigerant gas | R410A |
| Filter system | Air Filter+PPF+GAC+PPF+RO+LED-UV |
| Recycle fan | 1 pcs |
| Heat removal fan | 1 pcs |
| Control system | PLC |
| Dimension L*W*H (mm) | 820*1582*1113 |
| Net weight (kg) | 280 |
| Working temperature | Standard working temperature is 15°C - 45°C Higher or lower request, customization will be conducted. |
| Working humidity | RH 25% above |

HL-A500L - Plug & Drink For Commercial Use

Haolin Atmospheric Water Generator

Produce 500 Liters Clean, Drinkable Water Daily @30°C & RH-80%
Produce 300 Liters Clean, Drinkable Water Daily @27°C & RH-60%
Produce 67 Liters Clean, Drinkable Water Daily @25°C & RH-30%



Specification of HL-A500L

| | |
|--|--|
| Water Production (Liter/24Hrs) @30°C & RH-80% | 500 |
| Input power (W) | 4,300 |
| Efficiency (Wh/Liter) @30°C & RH-80% | 206 |
| Power supply | AC 220V/110V 50Hz/60Hz, Single-Phase Voltage |
| Compressor type | Enclosed Vortex Compressor |
| Compressor qty | 2 |
| Refrigerant gas | R410A |
| Filter system | Air Filter+PPF+GAC+PPF+RO+LED-UV |
| Recycle fan | 1 pcs |
| Heat removal fan | 1 pcs |
| Control system | PLC |
| Dimension L*W*H (mm) | 1106*1582*1113 |
| Net weight (kg) | 350 |
| Working temperature | Standard working temperature is 15°C - 45°C Higher or lower request, customization will be conducted. |
| Working humidity | RH 25% above |

HL-A1000L - Plug & Drink For Commercial Use

Haolin Atmospheric Water Generator

Produce 1000 Liters Clean, Drinkable Water Daily @30°C & RH-80%
Produce 600 Liters Clean, Drinkable Water Daily @27°C & RH-60%
Produce 135 Liters Clean, Drinkable Water Daily @25°C & RH-30%



Specification of HL-A1000L

| | |
|--|--|
| Water Production (Liter/24Hrs) @30°C & RH-80% | 1,000 |
| Input power (W) | 8,700 |
| Efficiency (Wh/Liter) @30°C & RH-80% | 209 |
| Power supply | AC 380V/460V 50Hz/60Hz, Three-Phase Voltage |
| Compressor type | Enclosed Vortex Compressor |
| Compressor qty | 2 |
| Refrigerant gas | R410A |
| Filter system | Air Filter+PPF+GAC+PPF+RO+LED-UV |
| Recycle fan | 2 pcs |
| Heat removal fan | 2 pcs |
| Control system | PLC |
| Dimension L*W*H (mm) | 1127*1582*2207 |
| Net weight (kg) | 750 |
| Working temperature | Standard working temperature is 15°C - 45°C Higher or lower request, customization will be conducted. |
| Working humidity | RH 25% above |

HL-A2000L - Plug & Drink For Commercial Use

Haolin Atmospheric Water Generator

Produce 2,000 Liters Clean, Drinkable Water Daily @30°C & RH-80%
Produce 1,200 Liters Clean, Drinkable Water Daily @27°C & RH-60%
Produce 270 Liters Clean, Drinkable Water Daily @25°C & RH-30%



Specification of HL-A2000L

| | |
|--|--|
| Water Production (Liter/24Hrs) @30°C & RH-80% | 2,000 |
| Input power (W) | 17,500 |
| Efficiency (Wh/Liter) @30°C & RH-80% | 210 |
| Power supply | AC 380V/460V 50Hz/60Hz, Three-Phase Voltage |
| Compressor type | Enclosed Vortex Compressor |
| Compressor qty | 2 |
| Refrigerant gas | R410A |
| Filter system | Air Filter+PPF+GAC+PPF+RO+LED-UV |
| Recycle fan | 4 pcs |
| Heat removal fan | 4 pcs |
| Control system | PLC |
| Dimension L*W*H (mm) | 2226*1582*2207 |
| Net weight (kg) | 1650 |
| Working temperature | Standard working temperature is 15°C - 45°C Higher or lower request, customization will be conducted. |
| Working humidity | RH 25% above |

HL-A5000L - Plug & Drink For Commercial Use

Haolin Atmospheric Water Generator

Produce 5,000 Liters Clean, Drinkable Water Daily @30°C & RH-80%
Produce 3,000 Liters Clean, Drinkable Water Daily @27°C & RH-60%
Produce 675 Liters Clean, Drinkable Water Daily @25°C & RH-30%



Specification of HL-A5000L

| | |
|--|--|
| Water Production (Liter/24Hrs) @30°C & RH-80% | 5,000 |
| Input power (W) | 46,000 |
| Efficiency (Wh/Liter) @30°C & RH-80% | 221 |
| Power supply | AC 380V/460V 50Hz/60Hz, Three-Phase Voltage |
| Compressor type | Enclosed Vortex Compressor |
| Compressor qty | 4 |
| Refrigerant gas | R410A |
| Filter system | Air Filter+PPF+GAC+PPF+RO+LED-UV |
| Recycle fan | 8 pcs |
| Heat removal fan | 8 pcs |
| Control system | PLC |
| Dimension L*W*H (mm) | 4377*1796*2207 |
| Net weight (kg) | 3300 |
| Working temperature | Standard working temperature is 15°C - 45°C Higher or lower request, customization will be conducted. |
| Working humidity | RH 25% above |

HL-A20L-D – Desktop AWG For Home & Office Use

Haolin Atmospheric Water Generator

Produce 20 Liters Clean, Drinkable Water Daily @30°C & RH-80%



HL-A20L-D can produce 20L/Day hot & cold pure water from air @30°C & RH-80%

Input Power: 370W (Water Production) + 500W (Heating)

Power Supply: AC 110V/220V 50Hz/60Hz

Refrigerant: R134a

Filtration Steps:

Air Filter + Sediment Filter + Ultra-Fine Membrane Filter + Post-Carbon Filter + Softening Filter + LED-UV.

Preset Hot 82°C & Cold 6°C

Working Temperature: 15-45°C

Working Humidity: RH 30% above

Net Dimension & Weight: 53.1*30.7*58 CM, 28KG

LCD Touch Screen Display

Indoor Lifestyle and Low Noise Level

HL-A20L - Plug & Drink For Home & Office Use

Haolin Atmospheric Water Generator

Produce 20 Liters Clean, Drinkable Water Daily @30°C & RH-80%



HL-A20L can produce 20L/Day hot & cold pure water from air @30°C & RH-80%.

Input Power: 470W (Production) + 500W (Heating)

Power Supply: AC 110V 60Hz / AC 220V 50Hz

Refrigerant: R134a

Filtration Steps:

Air Filter + Sediment Filter + Pre-Carbon Filter +

Ultra-Fine Membrane Filter + Electropositive

Membrane Filter + Softening Filter + LED-UV.

Preset Hot 82°C & Cold 6°C

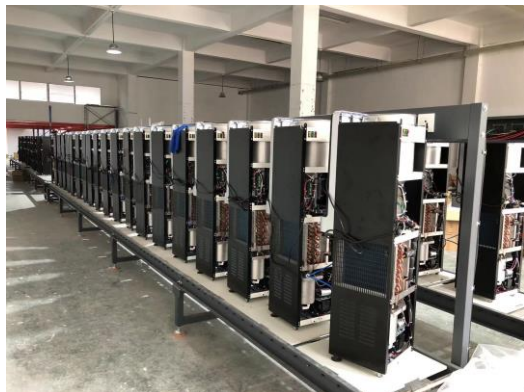
Working Temperature: 15-45°C

Working Humidity: RH 30% above

Net Dimension & Weight: 37.5*30.7*115.4CM, 42KG

LCD Touch Screen Display

Indoor Lifestyle and Low Noise Level



HL-A80L - Plug & Drink For Home & Office Use

Haolin Atmospheric Water Generator

Produce 80 Liters Clean, Drinkable Water Daily @30°C & RH-80%



HL-A80L can produce 80L/Day pure water from air @30°C & RH-80%.

Input Power: 1250W

Power Supply: AC 110V 60Hz / AC 220V 50Hz

Refrigerant: R410a

Filtration Steps:

Air Filter + Sediment Filter + Pre-Carbon Filter + Ultra-Fine Membrane Filter + Post-Carbon Filter + LED-UV.

Working Temperature: 15-45°C

Working Humidity: RH 30% above

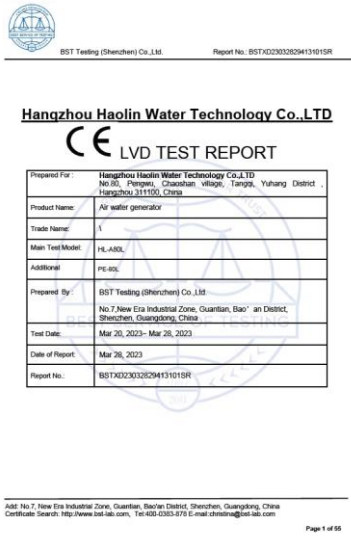
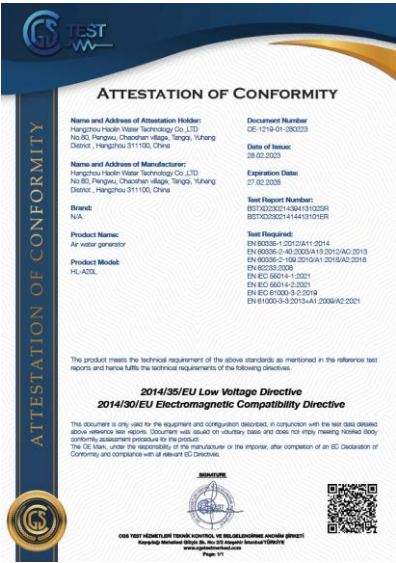
Net Dimension & Weight: 48*64*98CM, 70KG

LCD Touch Screen Display

Low Noise Level



CE Certificate, IEC Testing Report, Water Quality Testing Report of Haolin AWG to guarantee the quality of products and water produced



Haolin AWG Use Cases Allocated Globally 19 countries, 30+ partners, 2000+ units AWG delivered



Application Scenarios of Haolin Atmospheric Water Generator



Water Bottling Factories



Remote Petroleum Sites



Remote Mining Sites



Residential Areas



Rural Areas



Army Base

FAQ

1. Are Haolin atmospheric water generators compatible with solar power system?

A: Sure, both solar power system and wind power system can be integrated, once the equivalent power input provided.

2. What is the pH value of the water produced by Haolin atmospheric water generators?

A: The pH value is around 6.5-7.6. And the optional mineral filter can be provided if requested.

3. How often should I need to change the filters?

A: We suggest the air filters to be checked once a month and cleaned by washing, if needed. Every 3-6 months for the water filters and every 12-18 months for the reverse osmosis after you start to use, which is depend on the quality of ambient air and the actual usage. The LED-UV light needs to be cleaned or replaced every 12-18 months. Water storage tank needs to be empty and cleaned every 6 months.

4. What's the warranty policy of Haolin atmospheric water generators?

A: The warranty period of overall machine is 1 year. And 3 years for the 4 core parts: compressor, condenser, evaporator and motor. Damage to the product due to misuse, not following user manual, improper environmental placement are not being covered.

5. Can you make a customization on AWG according to an assigned dimension?

A: Sure, we've made a customized and compact AWG according to customer's limited dimension for recreational vehicle usage scenario, which can be easily and firmly attached under recreational vehicle to provide water for drinking and daily usage with solar system powered.

About Us

Vision:

Make A Better World

Mission:

To Make Drinking Water Available and Affordable Anywhere on the Earth

Core Values:

Customer First, Integrity, Passion, Openness, Teamwork

Haolin is a solution provider focusing on producing clean and drinkable water by extracting water vapor from air, with a professional R&D, manufacturing, sales and service team in Hangzhou, Zhejiang, China.

Haolin's R&D team have more than 20 years of experience developing and manufacturing atmospheric water generator in China, we are capable to deliver competitive solutions to relieve the crisis of lacking drinking water in some parts of the world.

With patented technology, Haolin industrial atmospheric water generators have 4 unique values propositions:

- a) 206~235Wh per liter water, 33%~64% Power Saved Vs Traditional AWGs
- b) 230% More Water Produced @25°C & RH-30% Vs Traditional AWGs
- c) IOT Enabled to support Maintain Remotely + Further Opex Saved
- d) Totally compatible with Solar Power Green Energy Solution

Haolin AWGs have different sizes to be used in wide range scenarios, such as remote petroleum sites onshore or offshore, large mining sites, construction sites, rural areas, army bases and other decentralized residential places where couldn't get the access to clean and drinkable water.

Contact Us

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