Product List of Atmospheric Water Generator

To Make Drinking Water Affordable Everywhere on the Earth

2020-2021

Home and Office Use



HM-20L
470W+500W



HM-
80L

Small & Middle Industrial AWG



HM-
250L



HM-
500L



HM-
1000L



HM-
2000L

2022-2023

Large Industrial AWG + IOT Enabled







HM-5000L + IOT Enabled, 46,000W

2024~

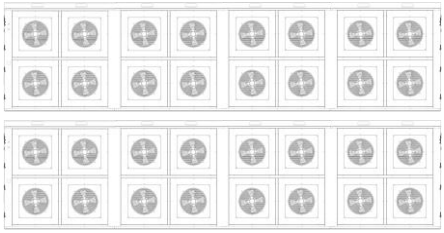
HM-20L Desktop



DC 24V – HM-50L

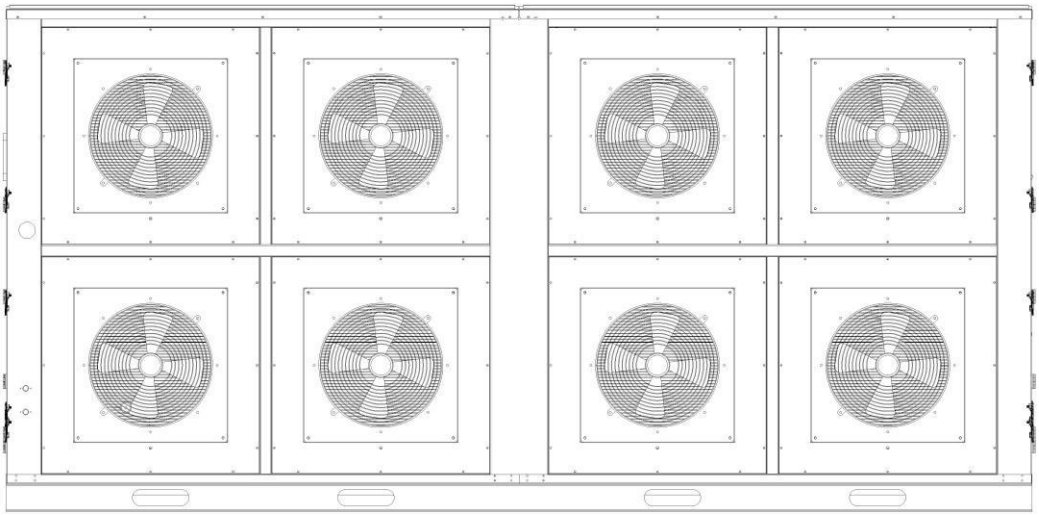


HM-20,000L Water Station



Excellent Design and Manufacture Capability on AWG

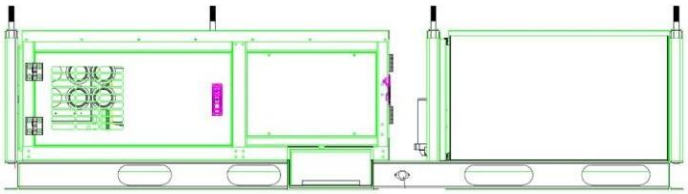
5000L Atmospheric Water Generator Design Drawings





Customized Atmospheric Water Generator for Heavy Truck & Recreational Vehicle









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







Highlights of Industrial Atmospheric Water Generator

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

Our 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%

Our industrial AWGs rated power consumption can achieve 230Wh per 1 liter @30°C & RH-80%, with our unique and patented design allowing the cool and dehumidified air to absorb heat of incoming air, which make our 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 - Function modularity design for various capacity demand

Our 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.

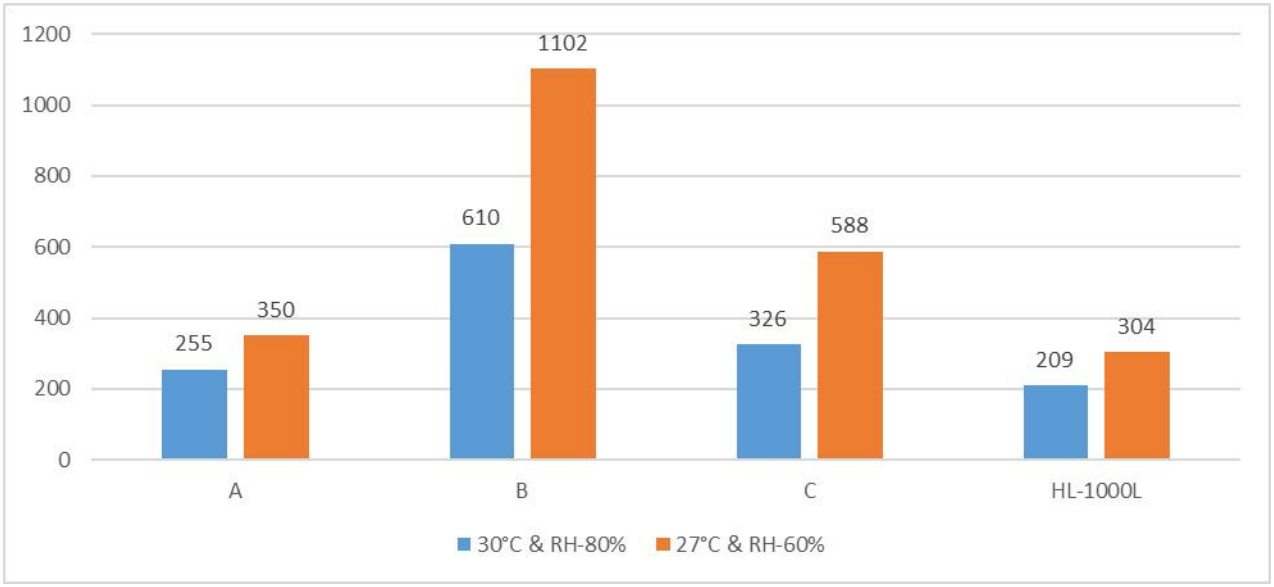
4 - Guaranteed product quality on water extraction

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

5 - 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 our 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, Our AWGs can produce high quality drinkable water.

With our unique and patented power saving technology on AWG, our 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.

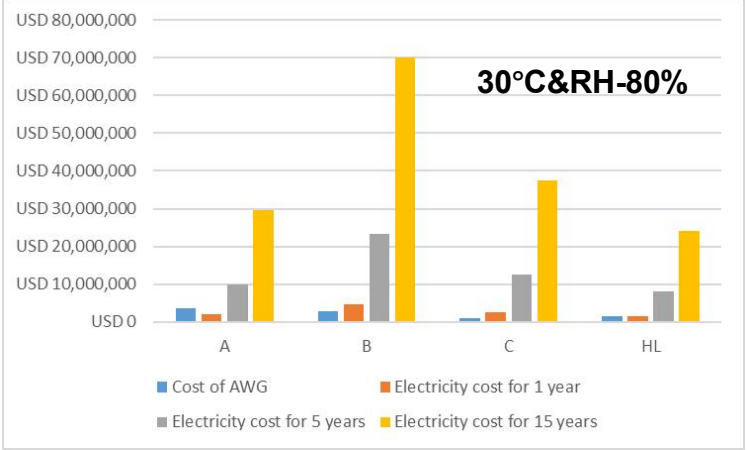
*Scenario simulation: Based on total water requirement **100,000 liters per day** @30°C & RH-80% & 27°C & RH-60%.*
*Take **1000L AWG** into calculation.*

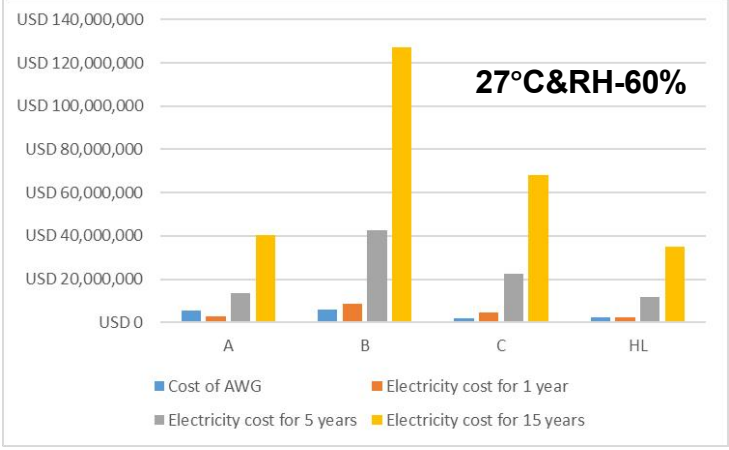
AWG Cost/Total	A	B	C	HM
1 year	64%	37%	27%	48%
5 years	26%	11%	7%	16%
15 years	11%	4%	2%	6%

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

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

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





HM-250L - Plug & Drink For Commercial Use

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%



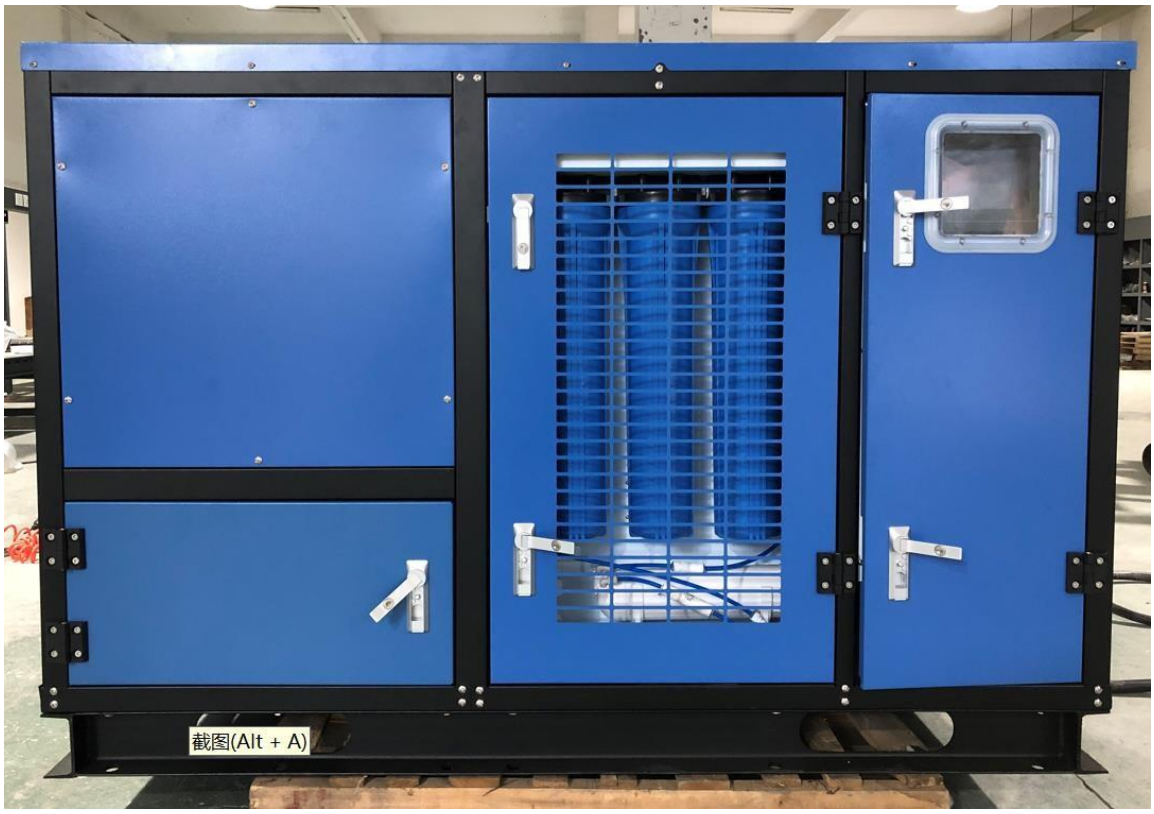
Specification of HM-250L

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

HM-500L - Plug & Drink For Commercial Use

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 HM-500L

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 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	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

HM-1000L - Plug & Drink For Commercial Use

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 HM-1000L

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

HM-2000L - Plug & Drink For Commercial Use

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 HM-2000L

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

HM-5000L - Plug & Drink For Commercial Use

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 HM-5000L

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

HM-20L - Plug & Drink For Home & Office Use

Atmospheric Water Generator

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



HM-20L 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 + Mineralization Filter + Nano Ceram-PAC Filter + LED-UV.

Preset Hot 92°C & Cold 6°C

Working Temperature: 15-45°C

Working Humidity: RH 25% above

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

LCD Touch Screen Display

Indoor Lifestyle and Low Noise Level







HM-80L - Plug & Drink For Home & Office Use

Atmospheric Water Generator

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



HM-80L 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:

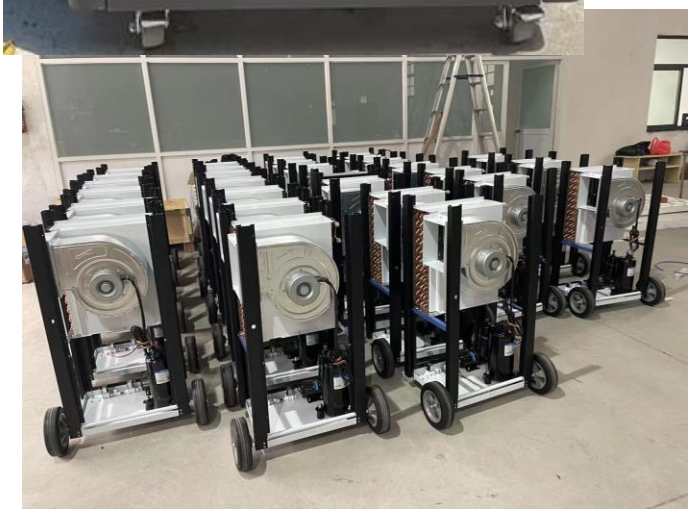
Air Filter + Sediment Filter + Pre-Carbon Filter + Ultra-Fine Membrane Filter + Post-Carbon Filter + LED-UV.

Working Temperature: 15-45°C

Working Humidity: RH 25% above

Net Dimension & Weight: 48*39*98CM, 70KG

LCD Touch Screen Display







Low Noise Level