



SOCIÉTÉ DE L'EAU AÉRIENNE SUISSE



Catalogue





*SEAS  
WATER*

*for*

*LIFE*



# About us

Société de l'Eau Aérienne Suisse SEAS is based in Lugano, Switzerland with offices in the United States, Mexico, Peru, Ecuador, United Arab Emirates and Italy.

SEAS is a technology-driven company with the focus of engineering and operative excellence towards the realization of machines, systems and plants for the production of high quality drinking water for: human use and specifically mineralized water to drink, demineralized water for industrial use, water for agriculture and other common applications.

SEAS bases its technological expertise on many years of University research and development effort to engineer, design and build an advanced industrial-sized water generation system.

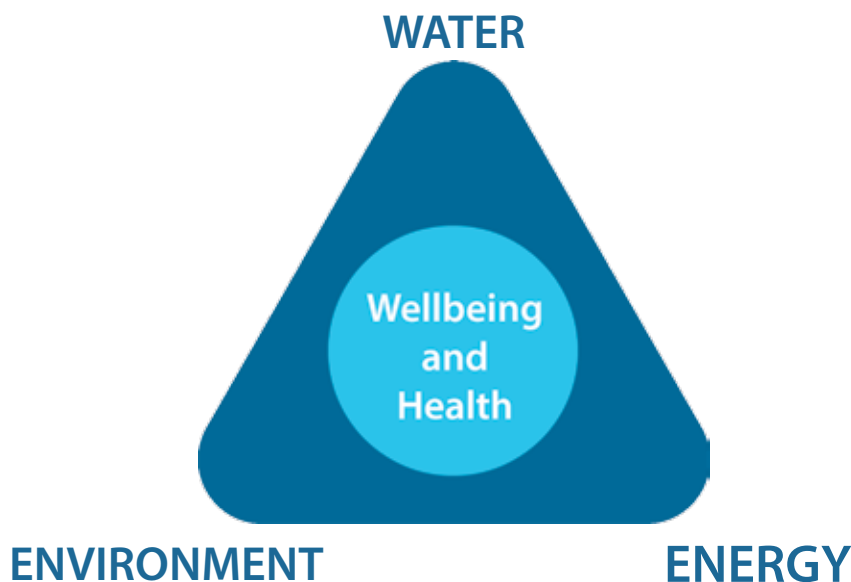
It manufactures integrated systems and machines specifically designed for water production. A by-product of these systems is thermal energy, which can be repurposed for heating, ventilation, air conditioning and dehumidification.

SEAS systems provide integrated bottling operations and can be powered by alternative energy solutions, waste, solar, wind, renewables etc.

SEAS is ready to study tailored application solutions according to customer specification and needs.

SEAS is a Green Company that respects the environment utilizing systems with low or zero environmental impact.

SEAS can also implement the powering of the installation with renewable sources thus achieving the reduction of the cost of the produced water.



We produce clean, healthy water where and when it is needed most.

Our systems are in perfect and optimized balance between low energy consumption, water for life and environmental friendliness.

# *SEAS - Socially and Environmentally Responsible*

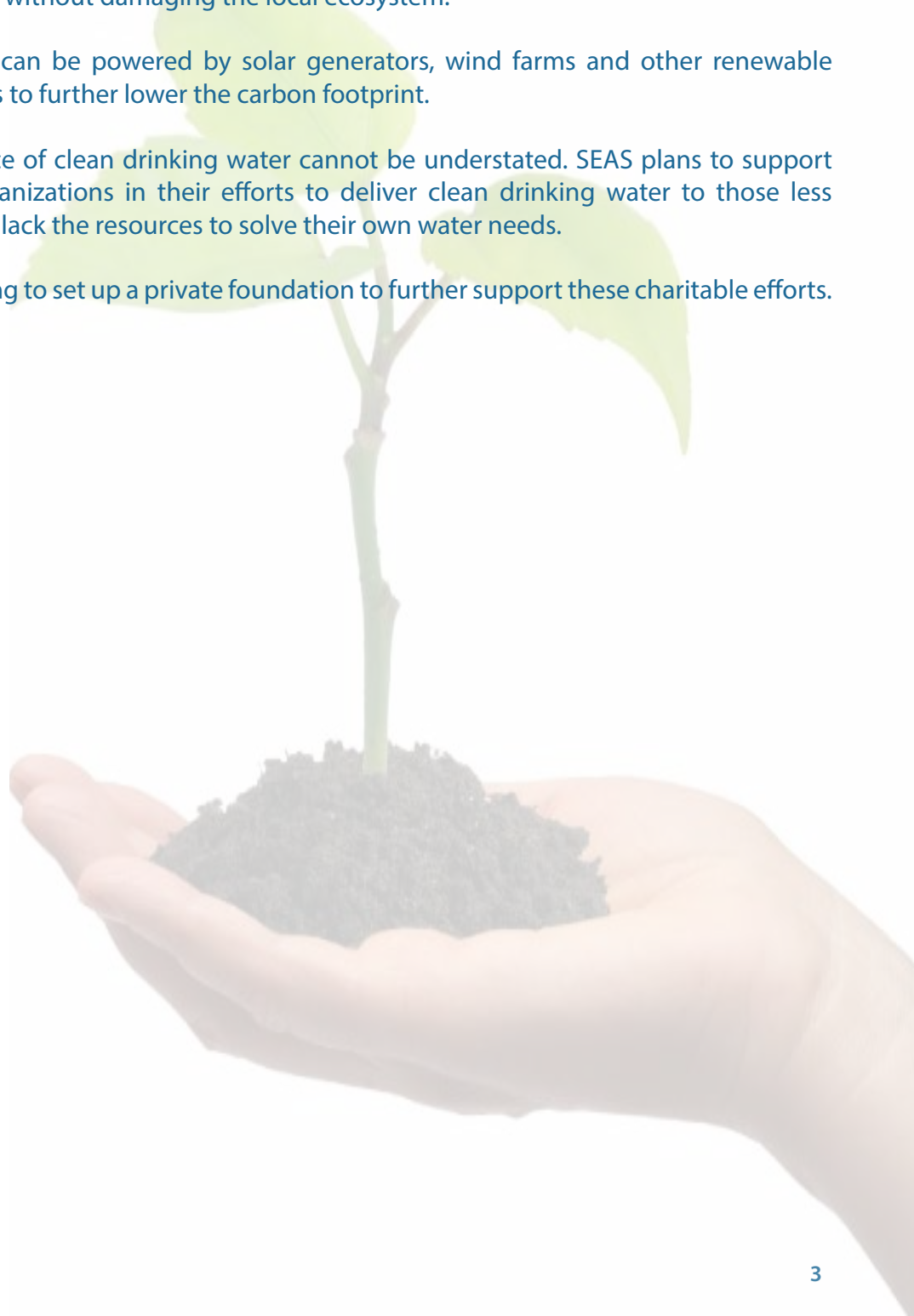
Unlike common water process technologies (desalination, water purification, sewage treatment etc.), SEAS water generation systems do not return any impurities to the water source or into the local ecosystem.

The extraction of water from ambient air provides an almost unlimited source of clean drinking water without damaging the local ecosystem.

SEAS systems can be powered by solar generators, wind farms and other renewable energy sources to further lower the carbon footprint.

The importance of clean drinking water cannot be understated. SEAS plans to support non-profit organizations in their efforts to deliver clean drinking water to those less fortunate who lack the resources to solve their own water needs.

SEAS is planning to set up a private foundation to further support these charitable efforts.



# Market

Market	Needs	Added Value with SEAS Systems
Oil & Gas	Water system for “on shore” and “Off Shore” high quality drinking water & industrial service water	<ul style="list-style-type: none"> <li>• Overcome water supply difficulties</li> <li>• Independent and reliable source of service water. Drinking Water easily available HVAC and Hot water contribution.</li> <li>• People/workers do not rely on water delivery.</li> </ul>
Factory / Industrial	Manufacturing water- based; Food & Beverages; Industrial washing Process	<ul style="list-style-type: none"> <li>• Independent and reliable process water supply (availability).</li> <li>• Independent and controlled Water supply (Water features &amp; Health and Safety condition).</li> <li>• Distilled Water easily available.</li> <li>• Water cost under control.</li> <li>• HVAC and Hot water.</li> </ul>
Hotels & Resorts & Buildings	Global solution for Buildings, hotels and resorts	<ul style="list-style-type: none"> <li>• Quality Drinking Water.</li> <li>• Resort /hotel direct drinking water.</li> <li>• Water costs under control.</li> <li>• HVAC and Hot Water contribution.</li> <li>• Warm air available.</li> <li>• Fast return of investment and consistent margin return for the customer.</li> </ul>

Market	Needs	Added Value of SEAS
Hospitals	Service Water (mineralized, distilled and sanitary)	<ul style="list-style-type: none"> <li>• Independent and reliable source of process water.</li> <li>• Distilled Water easily available.</li> <li>• HVAC and Hot Water contribution.</li> </ul>
Compounds	New / Existing	<ul style="list-style-type: none"> <li>• Independent Water supply (Safety).</li> <li>• Quality drinking water.</li> <li>• Water cost under control.</li> <li>• Air conditioning contribution.</li> <li>• Warm air contribution.</li> </ul>
Emergency (communities)	Solution for isolated and rural communities	<ul style="list-style-type: none"> <li>• Drinking Water Health and Safety features.</li> <li>• Available where you need it.</li> <li>• Possibility of Mobile unit.</li> <li>• Saving of logistic costs.</li> </ul>
Pharmaceutical	Solution for pharmaceutical use distilled and sanification water	<ul style="list-style-type: none"> <li>• Distilled water for process.</li> <li>• Water cost under control.</li> <li>• Premium quality water.</li> <li>• Easy &amp; Fast management.</li> </ul>



# SEAS Presence



## ■ Headquarters:

- Lugano, Switzerland
- New York, USA

## ▲ Representative Office:

- AK Plus, Italy
- Canadian Dew Technologies Inc, Canada
- Caribbean Islands

## ★ In progress:

- South Africa
- China
- Russia
- Ecuador
- Mozambique
- Lebanon
- Iran

## ● Joint Ventures:

- SEAS FALCON TRADING LLC, Abu Dhabi
- SEAS ANDINA S.A.C., Peru
- SEAS MEXICO

we provide WATER all over the world

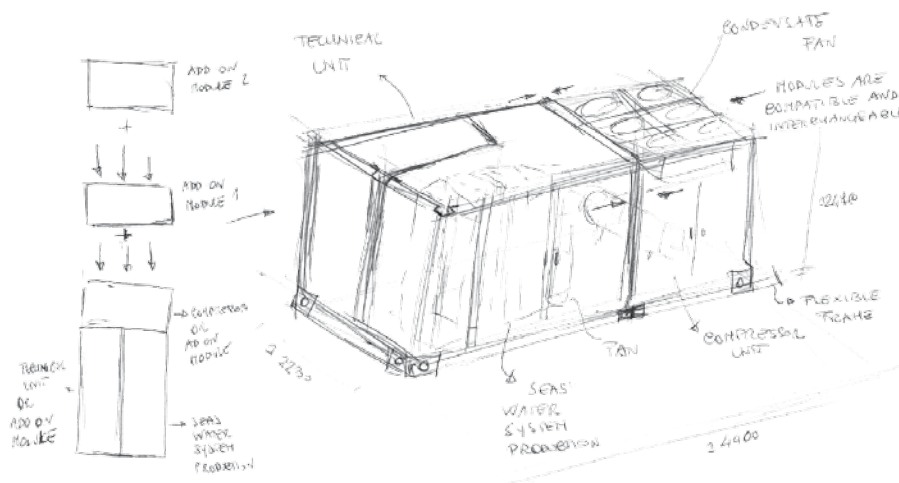


# Range of Product & Solutions

SEAS's double-pass heat exchange technology and our patent partnership produces 15-20 % more water than traditional water systems.

- At 30° C and 70 % humidity there is 20 g of water per m<sup>3</sup> of air. Traditional water systems condense approximately 50 % of the available water vapor.
- SEAS systems technology, extracts an additional 15-20 % of vapor without increasing energy consumption. That's an extra 3-4 g of water per m<sup>3</sup> of air.
- A containerized system – mobile, durable and compact.
- Designed and assembled in a container for ease of transportation by truck, rail, ship or aircraft.
- Includes a generator set or alternative energy source to operate independently of an electric grid.
- Assembled and shipped as a complete system to the final customer.
- Modular, Hybrid & Integrated systems.
- Integrated systems for commercial and residential buildings – producing from 2.5 over 10 m<sup>3</sup> water per day PLUS thermal energy for heating, air conditioning and dehumidification.
- Industrial solutions, specialized water production, anti-corrosion and cooling systems, for use in hospitals and in the pharmaceutical, oil, gas and mining industries.
- Utility systems for small communities, islands and remote locations.
- Water production systems that can be integrated into greenhouses for use in the food, flower, and farming sectors.
- Environmentally friendly energy solutions, waste treatment, using renewables, exhaust gas recovery, for optimal, cost-effective energy consumption.

Given the factors affecting air-to-water production (humidity, temperature, altitude, system usage, energy costs etc.) one system is not adequate. SEAS offers the customer a choice.





# SEAS Worldwide Service

We guarantee a high-quality, tailored service backed by a wealth of technical and professional expertise, which makes SEAS a reliable, flexible partner capable of providing specialised, global support.

***You can be assured that your water production plant will be backed by a wealth of professional expertise***

SEAS has an international team of engineers specialised in the installation and commissioning of our water production plant.



In case of assistance it will be provided directly on field by our technical staff, work may be performed by our nearest office. SEAS takes charge of replacements of spare parts.

SEAS delivers custom solutions for diagnostic operations and provides complete technical assistance for mobile units, modular stand alone units and integrated units.

The satisfaction of our customers is guaranteed.



High-level efficiency can only be guaranteed by servicing the plant regularly and maintaining the conditions in place at the time of installation.

The SEAS maintenance contract includes a quarterly inspection, by satellite or an online check, on a date agreed upon in advance with the customer, to make sure that each single component is in perfect working order and water is always in accordance with law and sanitary specifications.

Quality checks are performed once a year and include a general overhaul and replacement of any worn or critical parts to prevent the risk of future malfunctioning. Detailed records are kept of all work that is performed and any repairs are noted in the service report.

# Mobile System

SEAS mobile containerized system is a fully automated, totally self-standing, air to water production system.



SEAS unit is a standard container



Just one button to push

The **SYSTEM** consists of **THREE** modules

The first module contains **air treatment unit** [1-2-3-4]

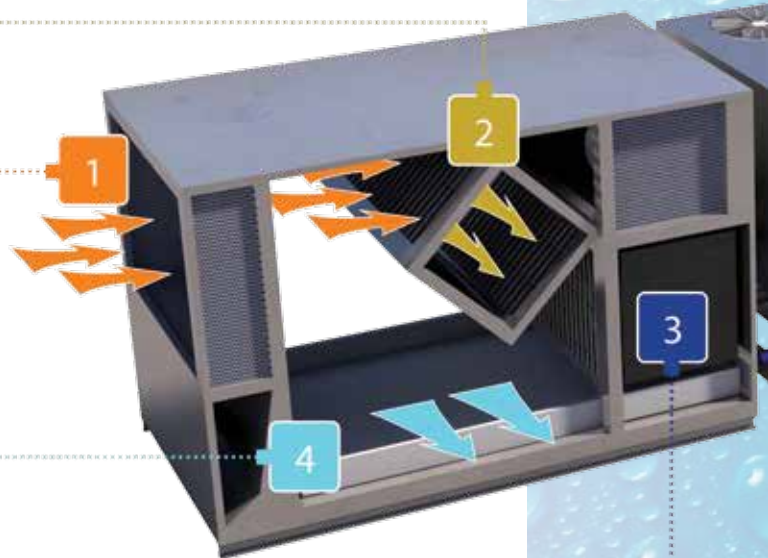
The second module contains the **chiller unit** [5-6]

The third module contains the **generator set, the electronics, and the water treatment unit** [7-7B]

The filtered air passes through a heat recovery unit for a pre-cooling treatment.

Ambient air is filtered.

Cold air is ejected from the air treatment unit after the largest part of water vapour has been extracted. The cold air could be used for further various productive applications.



Water vapour in the air condenses, in a cooling battery where it reaches its dew point, and is collected in a storage basin. The collected water is pumped to the internal integrated water treatment system.



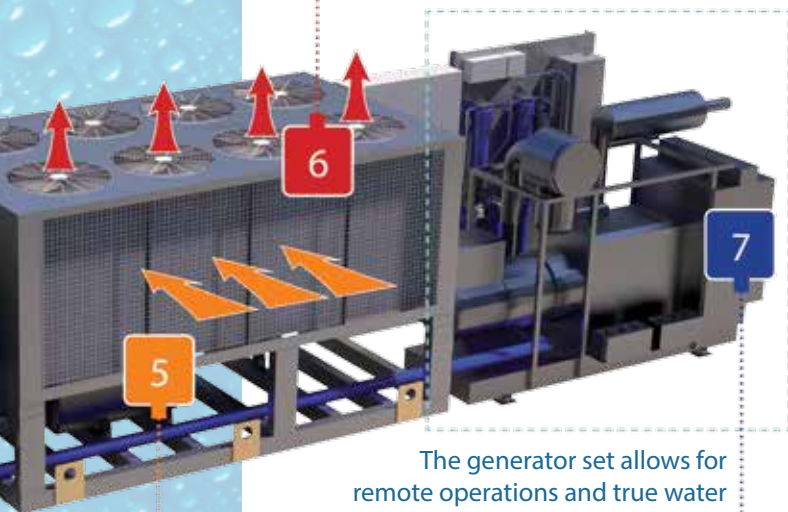


# ATW: mobile system



**Control room**  
for continuous monitoring  
and supervision

The released warm air can be used for further various productive applications.



The generator set allows for remote operations and true water production independence.



The treatment system filters the produced water, sterilizes it by ultraviolet radiation and then mineralizes it in order to dispense it as high quality...

**100 % DRINKING WATER**

The chiller performs heat exchange with non-filtered air, cooling the refrigerant for the air treatment unit and releasing warm air [6].





# AWA MODULA system

AWA Modula produces 2,500 to 10,000 litres/day + BUILDING INTEGRATION + HVAC COLD AIR + Hot and Cold Water.



AWA 250 MODULA SYSTEM;  
2,500 litres/day AWA 500 MODULA SYSTEM;  
5,000 litres/day AWA 750 MODULA SYSTEM;  
7,500 litres/day AWA 10K MODULA SYSTEM;  
10,000 litres/day

Modula systems are built on a standard industrial modular base, they are substantially easier to manufacture and are more energy efficient.

The basic Modula system will produce 2,500 litres of water per day.

MODULA strategy permits system planning integrated in a building with a series of ATU (Air Treatment Unit) decentralized and connected with ATWG for the water and air-conditioning generator. Engineered for simple installation.

All with same energy consumption compare to the actual Air conditioning System. Low energy, low cost. Fast return.

The project line has a base model, AWA MODULA 250 that produces 2,500 litres per Day.

• There also exists models capable of producing 5,000, 7,500 or 10,000 litres per day.

The AWA MODULA is not only an Air to Water Generator.

Means, beyond water production, possibility to provide:

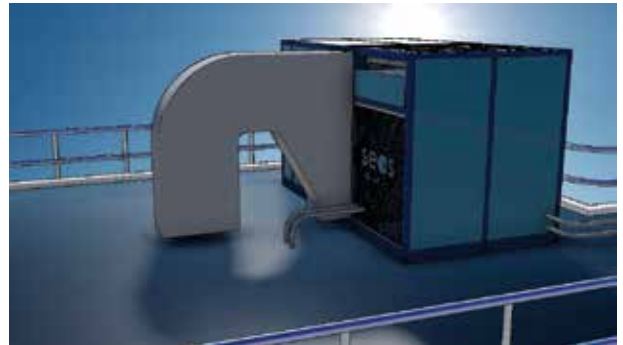
1. Fresh primary air (22° C)
2. Cold water (7° C)
3. Hot water (50° C)
4. Working Standard Temperature: from 5° C to 40° C
5. Working Low temperature working -from -10° C to 40° C
6. Working High Temperature from 5° C to 50° C

All these solutions are available as options in AWA MODULA and are suitable for air conditioning systems, green houses , fully-integrated buildings or industrial solutions.

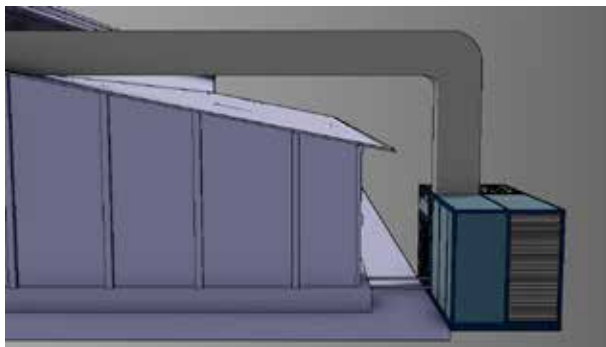
# *Focused on energy efficiency*

## **Integrated High Efficiency Water Production & Thermal Unit system for buildings:**

- From 2,500 to 10,000 litres/day **Premium Drinking Water** available the full year.
- Primary Cold&Dry air provided to HVWAC system.
- Up to 8,000 L/h 50° C Process Water provided for room heating purposes or warm sanitary water.
- Saving up to 65 kWh Energy Saving on current Energy Bill



AWA MODULA installed on the roof



AWA MODULA installed in green house

## **Self standing integrated Water Production & Thermal Unit system for Green Houses:**

- **Mineralized or Distilled water** available the full year.
- **Cooling energy during the hot season.** Provided as Cold Air or as Process Cold Water.
- **Warming energy during the cold season.** Provided as Warm Air or as Process Warm Water.

## *Cold water*

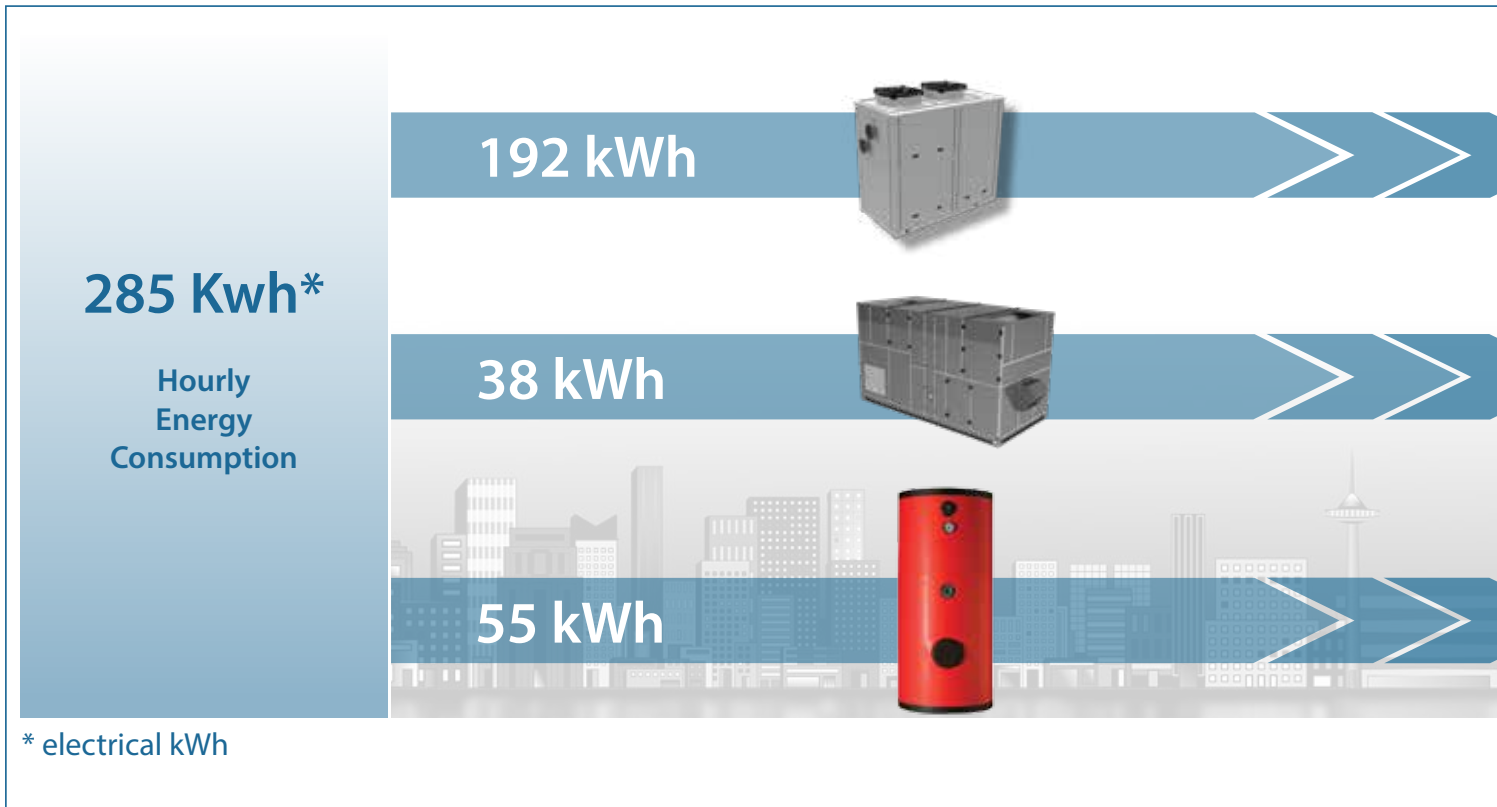
- The AWA MODULA range can provide from 25 kW to 400 kW of cool water.
- That water, in nominal conditions (30° C and 70 %), has a temperature of 7° C.
- To maintain that water temperature, if the cool water is a priority in comparison to water production, it is possible with our automation/field technology.
- A couple of pipe connections completes the option and allows to provide an external circuit that can be connected to chilling roofs, or green houses and so on.

## *Hot water*

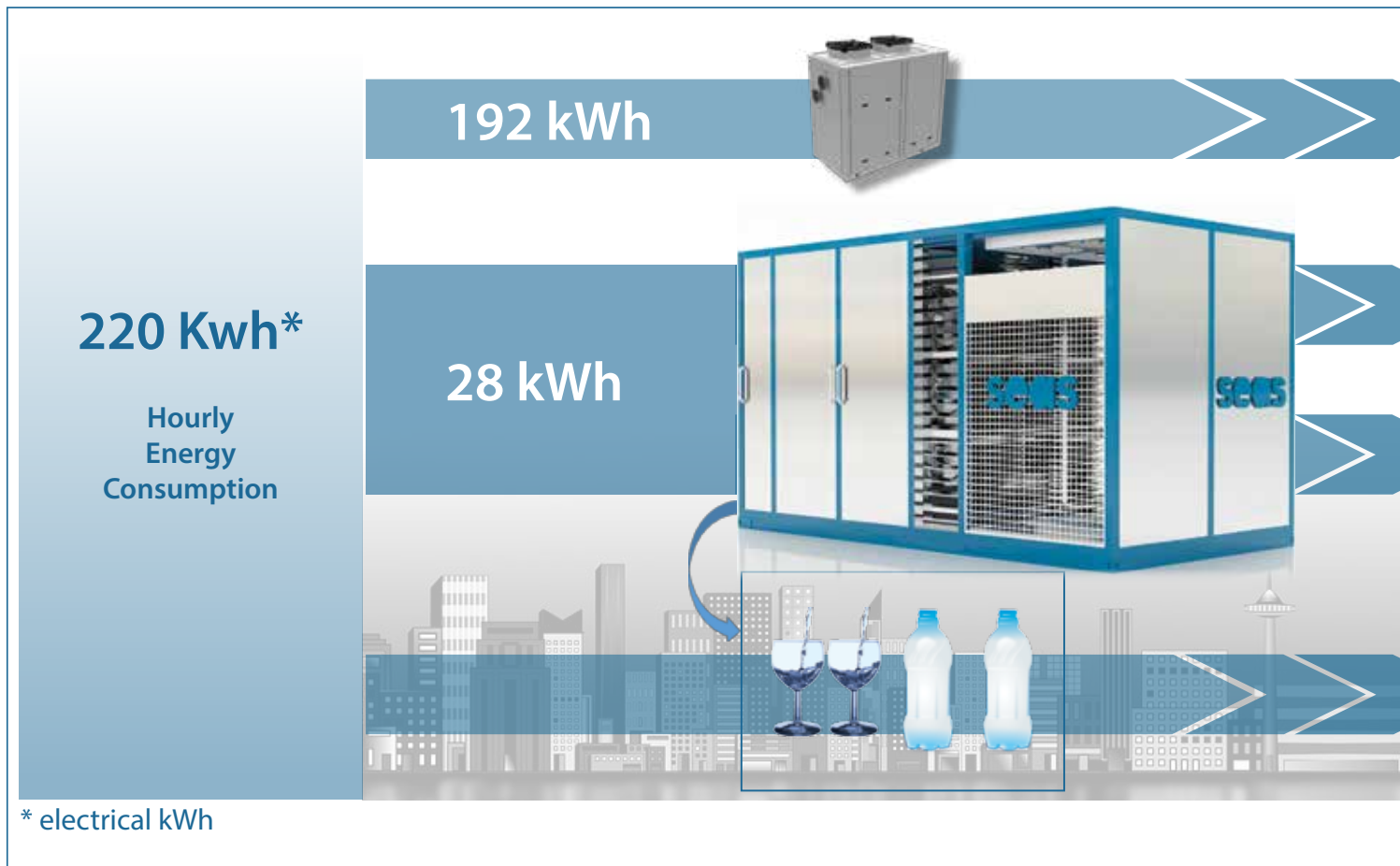
- AWA Modula provided with an accessory water circuit. It is possible, in nominal conditions, to recover from 120 kW to 480 kW and obtain water at a temperature of 50° C.
- Even in this case it is possible to split the quantity of heat energy that can be delivered to external uses, sanitary water, swimming pool, etc...

# SEAS Building

2,500 L/day drinking water + HVAC



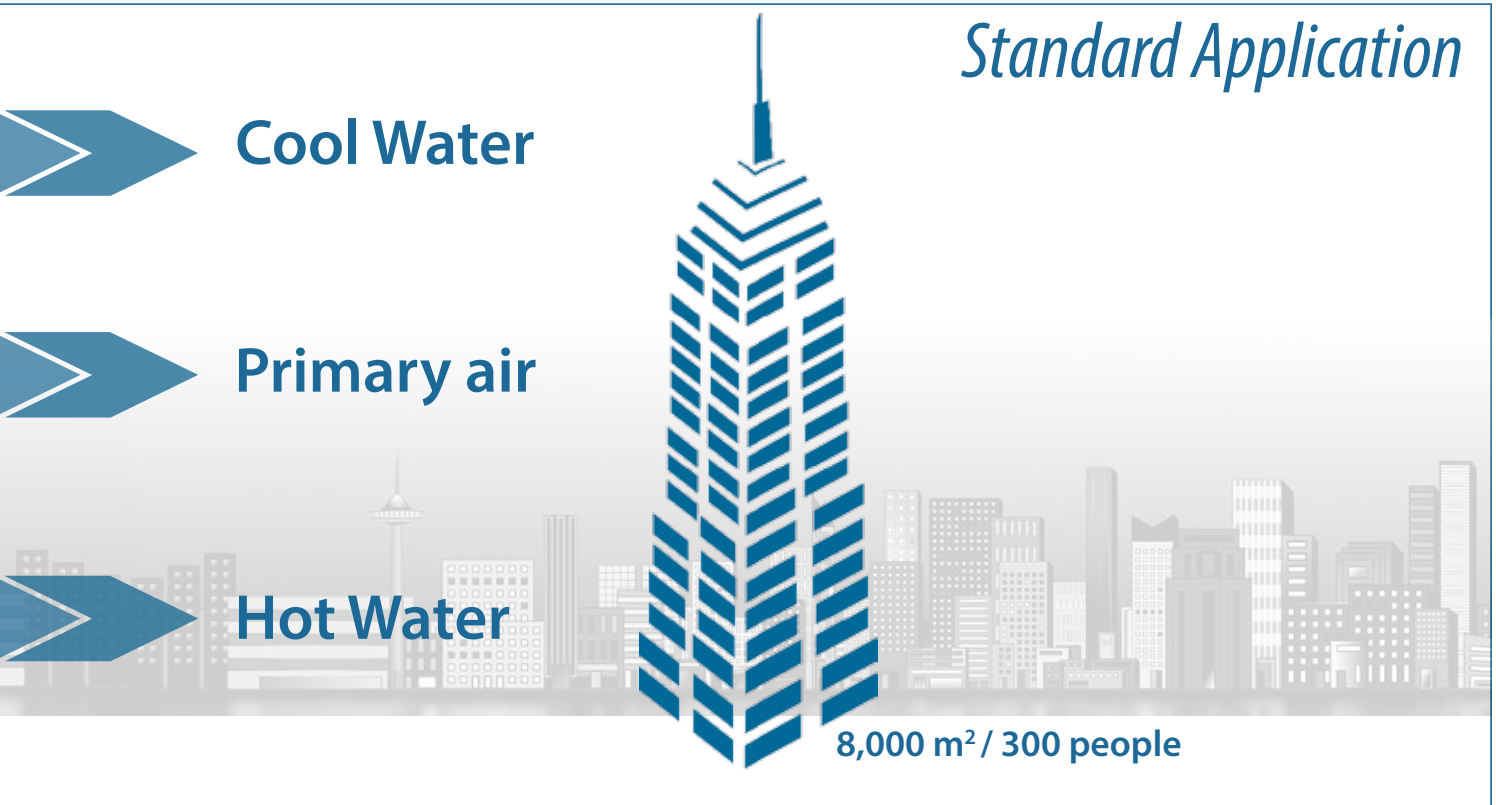
25 % / 65 kW



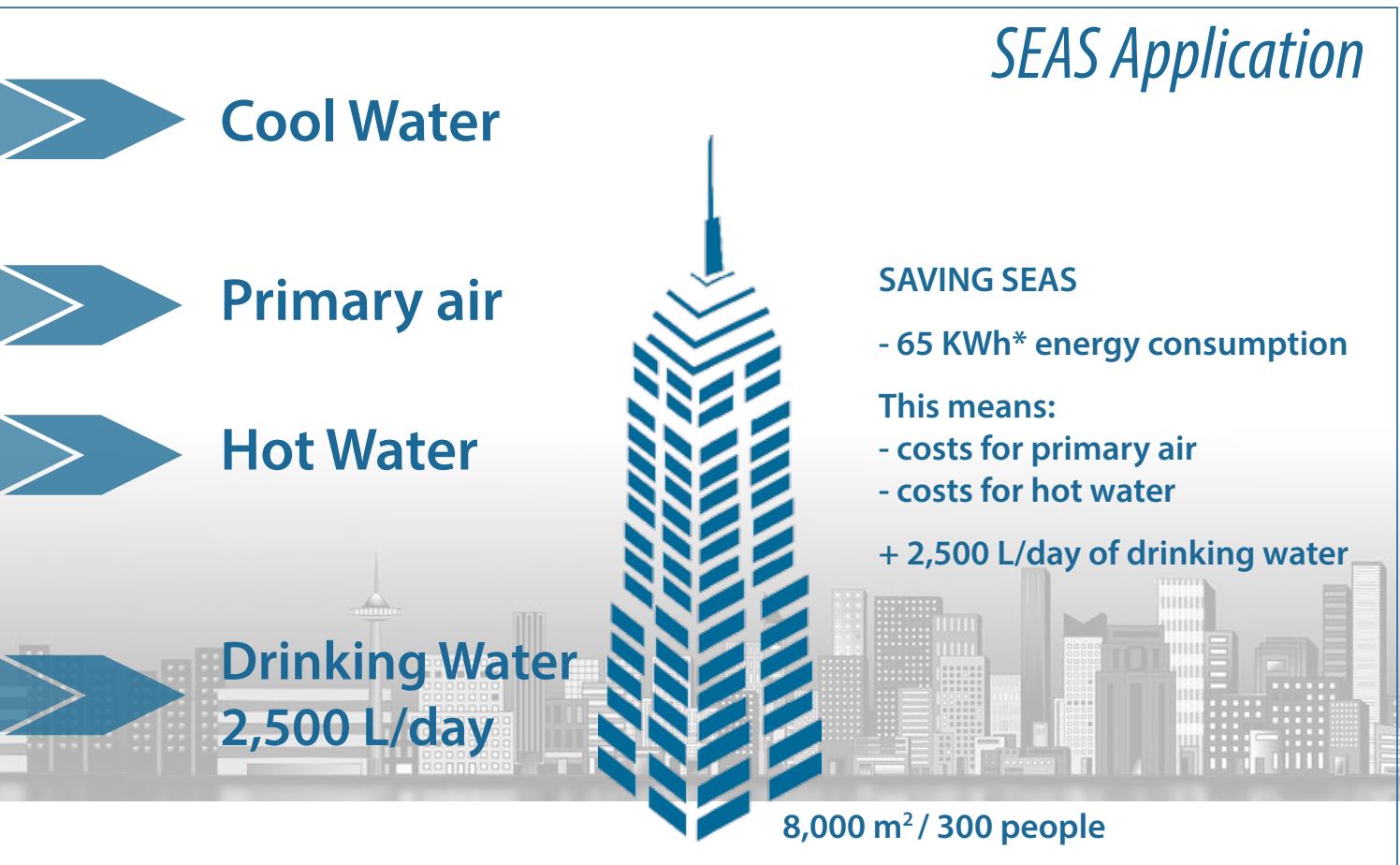


# g Application

C with an Energy Saving of 25 %



## h Energy Saving



# *DATA SHEETS*

# AWA MODULA W-250-xx



Water production of 2,500 L/day.

TARGET FEATURES	AWA MODULA W-250
Nominal Water Production	2,500 litre/day
Electric Power (Nominal)	28 kW
Electric Power (Max)	54 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/voltage & frequency on request
Sound Pressure Level	60 dBA (10 m distance)
Dimensions (L x W x H)	4,950 x 2,208 x 2,430 mm
Weight	6,200 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

***Materials into contact with water are certified for food contact.***



# AWA MODULA HWAC-250-XX



Water production of 2,500 L/day with an important energy contribution for hot water and primary air cold/dry.

## TARGET FEATURES

## AWA MODULA HWAC-250

Nominal Water Production	2,500 litre/day
Electric Power (Nominal)	28 kW
Electric Power (Max)	54 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	60 dBA (10 m distance)
Dimensions (L x W x H)	4,950 x 2,208 x 2,430 mm
Weight	6,200 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	120 kW – 2,000 L/h 50° C
Available Thermal Cooling Power (Air)	100 kW – 8,000 m <sup>3</sup> /h at 22° C 40 % RH

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

**Materials into contact with water are certified for food contact.**

# AWA MODULA HWAC-C-250-xx



Water production of 2,500 L/day with an important energy contribution for hot water, primary air and cold water.

## TARGET FEATURES

## AWA MODULA HWAC-C-250

Nominal Water Production	2,500 litre/day
Electric Power (Nominal)	28 kW
Electric Power (Max)	54 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	60 dBA (10 m distance)
Dimensions (L x W x H)	4,950 x 2,208 x 2,430 mm
Weight	6,200 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	120 kW – 2,000 L/h 50° C
Available Thermal Cooling Power (Air)	100 kW – 8,000 m <sup>3</sup> /h at 22° C 40 % RH
Available Thermal Cooling Power (Water)	From 25 to 100 kW***

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

\*\*\* Based on requested water production.

**Materials into contact with water are certified for food contact.**

# AWA MODULA W-500-XX



Water production of 5,000 L/day.

## TARGET FEATURES

## AWA MODULA W-500

Nominal Water Production	5,000 litre/day
Electric Power (Nominal)	56 kW
Electric Power (Max)	108 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	63 dBA (10 m distance)
Dimensions (L x W x H)	7,300 x 2,230 x 2,470 mm
Weight	8,500 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

**Materials into contact with water are certified for food contact.**



# AWA MODULA HWAC-500-xx



Water production of 5,000 L/day with an important energy contribution for hot water and primary air.

## TARGET FEATURES

## AWA MODULA HWAC-500

Nominal Water Production	5,000 litre/day	
Electric Power (Nominal)	56 kW	
Electric Power (Max)	108 kW	
Nominal Ambient Conditions	30° C & 70 % RH	
Electric Energy Consumption	0.28 kWh/litre	
Cooling Circuit	Ecologically friendly	
Electric Connection	3 ph/ voltage & frequency on request	
Sound Pressure Level	63 dBA (10 m distance)	
Dimensions (L x W x H)	7,300 x 2,230 x 2,470 mm	
Weight	8,500 kg	
XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*
Available Thermal Heating Power (Water)	240 kW – 4,000 L/h 50° C	
Available Thermal Cooling Power (Air)	200 kW – 16,000 m <sup>3</sup> /h at 22° C 40 % RH	

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

**Materials into contact with water are certified for food contact.**

# AWA MODULA HWAC-C-500-XX



Water production of 5,000 L/day with an important energy contribution for hot water, primary air and cold water.

## TARGET FEATURES

## AWA MODULA HWAC-C-500

Nominal Water Production	5,000 litre/day
Electric Power (Nominal)	56 kW
Electric Power (Max)	108 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	63 dBA (10 m distance)
Dimensions (L x W x H)	7,300 x 2,230 x 2,470 mm
Weight	8,500 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	240 kW – 4,000 L/h 50° C
Available Thermal Cooling Power (Air)	200 kW – 16,000 m <sup>3</sup> /h at 22° C 40 % RH
Available Thermal Cooling Power (Water)	From 25 to 200 kW***

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

\*\*\* Based on requested water production.

**Materials into contact with water are certified for food contact.**

# AWA MODULA W-750-XX



Water production of 7,500 L/day.

## TARGET FEATURES

## AWA MODULA W-750

Nominal Water Production	7,500 litre/day
Electric Power (Nominal)	84 kW
Electric Power (Max)	162 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	64.5 dBA (10 m distance)
Dimensions (L x W x H)	11,700 x 2,230 x 2,470 mm
Weight	12,000 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

***Materials into contact with water are certified for food contact.***



# AWA MODULA HWAC-750-xx



Water production of 7,500L/day with an important energy contribution for hot water and primary air

## TARGET FEATURES

## AWA MODULA HWAC-750

Nominal Water Production	7,500 litre/day
Electric Power (Nominal)	84 kW
Electric Power (Max)	162 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	64.5 dBA (10 m distance)
Dimensions (L x W x H)	11,700 x 2,230 x 2,470 mm
Weight	12,000 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	360 kW – 6,000 L/h 50° C
Available Thermal Cooling Power (Air)	300 kW – 24,000 m <sup>3</sup> /h at 22° C 40 % RH

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

**Materials into contact with water are certified for food contact.**

# AWA MODULA HWAC-C-750-XX



Water production of 7,500 L/day with an important energy contribution for hot water, primary air and cold water.

## TARGET FEATURES

## AWA MODULA HWAC-C-750

Nominal Water Production	7,500 litre/day
Electric Power (Nominal)	84 kW
Electric Power (Max)	162 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	64.5 dBA (10 m distance)
Dimensions (L x W x H)	11,700 x 2,230 x 2,470 mm
Weight	12,000 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	360 kW – 6,000 L/h 50° C
Available Thermal Cooling Power (Air)	300 kW – 24,000 m <sup>3</sup> /h at 22° C 40 % RH
Available Thermal Cooling Power (Water)	From 25 to 300 kW***

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

\*\*\* Based on requested water production.

**Materials into contact with water are certified for food contact.**

# AWA MODULA W-1000-XX



Water production of 10,000 L/day.

## TARGET FEATURES

## AWA MODULA W-1000

Nominal Water Production	10,000 litre/day
Electric Power (Nominal)	112 kW
Electric Power (Max)	216 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	67 dBA (10 m distance)
Dimensions (L x W x H)	13,150 x 2,230 x 2,470 mm
Weight	16,300 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

**Materials into contact with water are certified for food contact.**



# AWA MODULA HWAC-1000-XX



Water production of 10,000L/day with an important energy contribution for hot water and primary air

## TARGET FEATURES

## AWA MODULA HWAC-1000

Nominal Water Production	10,000 litre/day
Electric Power (Nominal)	112 kW
Electric Power (Max)	216 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	67 dBA (10 m distance)
Dimensions (L x W x H)	13,150 x 2,230 x 2,470 mm
Weight	16,300 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	480 kW – 8,000 L/h 50° C
Available Thermal Cooling Power (Air)	400 kW – 32,000 m <sup>3</sup> /h at 22° C 40 % RH

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

***Materials into contact with water are certified for food contact.***

# AWA MODULA HWAC-C-1000-XX



Water production of 10,000 L/day with an important energy contribution for hot water, primary air and cold water.

## TARGET FEATURES

## AWA MODULA HWAC-C-1000

Nominal Water Production	10,000 litre/day
Electric Power (Nominal)	112 kW
Electric Power (Max)	216 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.28 kWh/litre
Cooling Circuit	Ecologically friendly
Electric Connection	3 ph/ voltage & frequency on request
Sound Pressure Level	67 dBA (10 m distance)
Dimensions (L x W x H)	13,150 x 2,230 x 2,470 mm
Weight	16,300 kg

XX (Model)	Temperature Limit	RH Limit
ST version - Operating Range	5° C - 40° C	90 % RH - 15 % RH*
LT version - Operating Range	-10° C - 40° C	99 % RH - 15 % RH**
HT version - Operating Range	5° C - 50° C	90 % RH - 10 % RH*

Available Thermal Heating Power (Water)	480 kW – 8,000 L/h 50° C
Available Thermal Cooling Power (Air)	400 kW – 32,000 m <sup>3</sup> /h at 22° C 40 % RH
Available Thermal Cooling Power (Water)	From 25 to 400 kW***

\* Lower Dew Point 4° C

\*\* Lower Dew Point -10.5° C

\*\*\* Based on requested water production.

**Materials into contact with water are certified for food contact.**

# MOBILE SYSTEM - ATWG 10 CG



## TARGET FEATURES

## MOBILE SYSTEM - ATWG 10 CG

Nominal Water Production	10,000 litre/day
Electric Power (Nominal)	159 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.36 kWh/litre
Electric Connection	Grid 400 V - 50 Hz
	Diesel generator
Sound Pressure Level	86 dBA (10 m distance) with Diesel Generator
Dimensions (L x W x H)	12,192 x 2,348 x 2,896 mm*
Weight	18,300 kg

	Temperature Limit	RH Limit
Operating Range	15° C - 45° C	60 % RH - 40 % RH

\* Approved 40 feet container

***Materials into contact with water are certified for food contact.***



# MOBILE SYSTEM - ATWG 10 C



## TARGET FEATURES

## MOBILE SYSTEM - ATWG 10 C

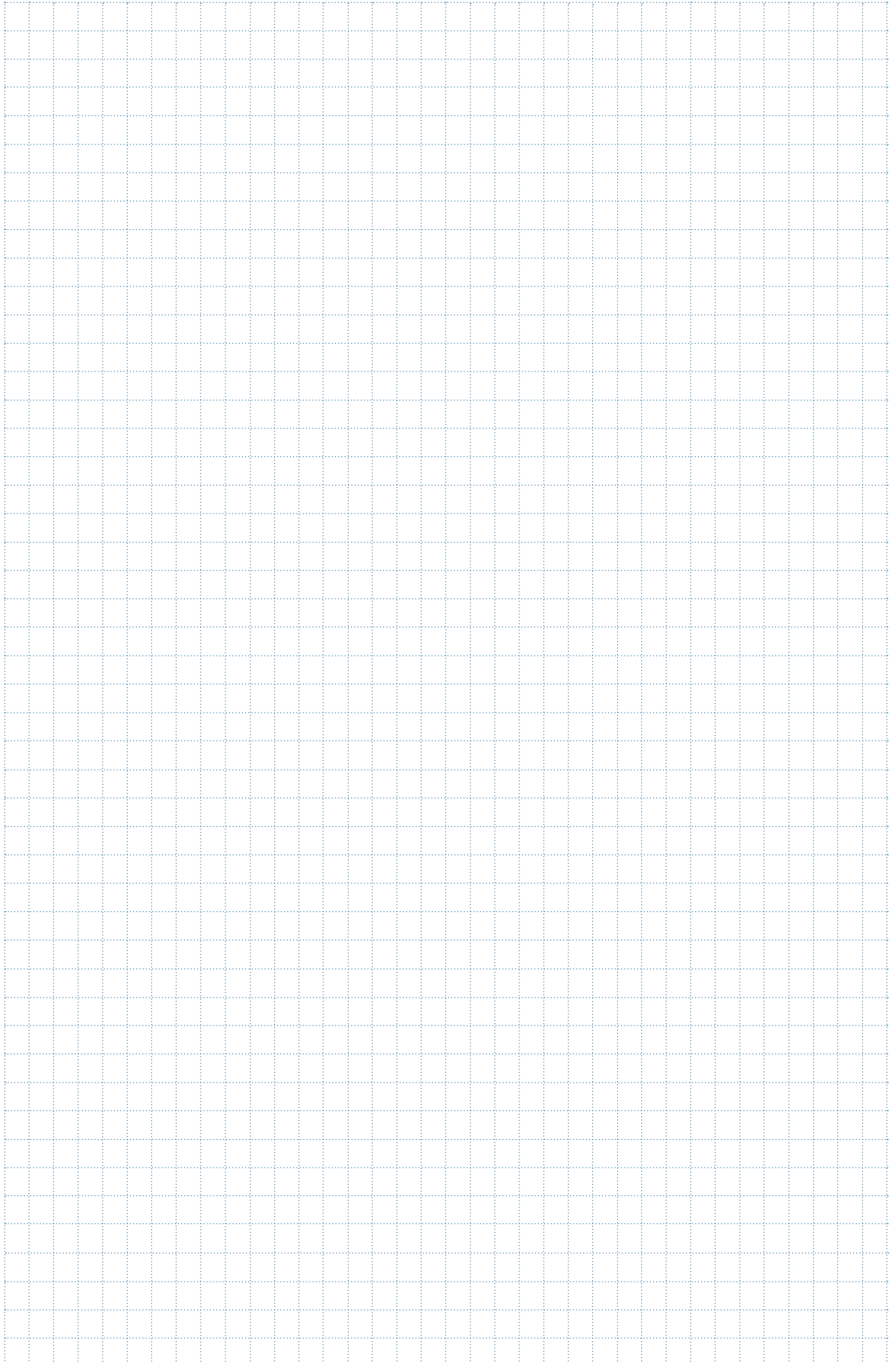
Nominal Water Production	10,000 litre/day
Electric Power (Nominal)	159 kW
Nominal Ambient Conditions	30° C & 70 % RH
Electric Energy Consumption	0.36 kWh/litre
Electric Connection	Grid 400 V - 50 Hz
Sound Pressure Level	80 dBA (10 m distance)
Dimensions (L x W x H)	12,192 x 2,348 x 2,896 mm*
Weight	18,300 kg

	Temperature Limit	RH Limit
Operating Range	15° C - 45° C	60 % RH - 40 % RH

\* Approved 40 feet container

***Materials into contact with water are certified for food contact.***



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