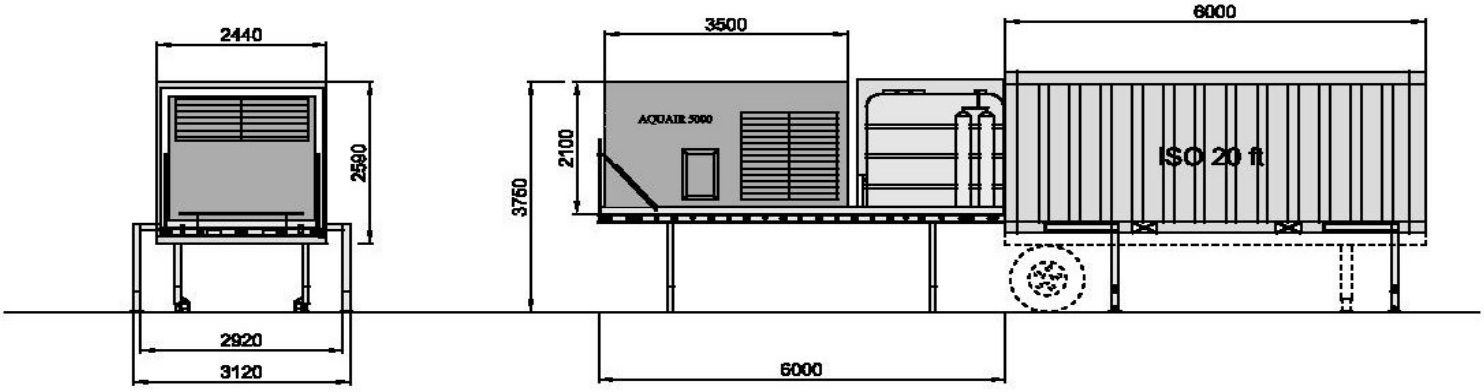
NEW ECO- AQUAIR5000 UNIVERSAL (AQ5000 U)

UNIT ESPECIFICATIONS

- Daily maximum capacity production: up to 8.400 liters approx/day.
- Cost per liter: 0,16 kWh/l approx.
- Wide operation field for extreme conditions:
  Temperature limits 5°C-55°C.
  Relative humidity limits 20%-99%.
- Three-phase, 400 V- 3ph-50 Hz. 108 A.
- Minimum water tank reserve 3.000 liters.
- Generator with autonomy for 4 days with 1.000 liters diesel tank.
- Quick installation of the equipment on their own supports.
- Sliding platform.
- Any electrical energy, including renewable.
- Automatic switch on/off.
- Treatment system and complete water filtration.
- Visor of water production
- Presentation 20 foot ISO container
- Prepared for several environments.
- Standard spares.
- Environment friendly.
- Sanitary registration nº 200761400005519

DIMENSIONS



AVERAGE WATER PRODUCTION AND ENERGY CONSUMPTION PER LITER

Environment conditions	10°C -90%HR	30°C -85%HR	40°C -90%HR
Water production	90 l/h	235 l/h	335 l/h
Absorbed power	24,3 kWh	37,6 kWh	30,55 kWh
Power per liter	0,27 kWh/l	0,16 kWh/l	0,13 kWh/l

OPERATING LIMITS. Temperature and relative humidity, maximum and minimum

Temperature	5°C-55°C
Relative humidity	20%-99%

CHARACTERISTICS TECHNICAL

Water Production	Nominal	225 l/h (30°C -80%HR)
	Nominal absorbed power	50 kW
Compressor	Type	Hermetic Alternative
	Brand	4xDANFOSS-MTC 125
	Displacement (l/s)	108 A
	Nominal power CV	40 CV
Fan	Nominal flow	34.000 m3/h
	Type	Centrifuge 3 speeds
	Available static pressure	14 mm. c.a.
	Power	4 kW-895 rpm
Cooling circuit	Gas	R-407 C
	Gas Load	70 Kg
	Expansion	Thermostatic valve
Electric Characteristics	Voltage	400 V-III-50 Hz
	Max operating current	108 A
Sound level	Sonic pressure	79 dB (A)
Dimensions	High	3500 mm
	Wide	2100 mm
	Deep	2140 mm
	Weight	1550 kg

AQ5000 U WATER PRUDUCTION AND POWER COMSUMPTION

The production capacity of **AQ5000 U** is linked to environment conditions. That is, in an environment warm and wet, with a higher content of water vapor, the production capacity is greater than in a dry place.

This diagram represents the production of water per hour from a **AQ5000 U** unit with its own power consumption per liter, depending on the environmental conditions, temperature and relative humidity to register at all times. With this diagram we know the production and consumption through the **AQ5000 U** depending on temperature and humidity at all times and in every geographic area.

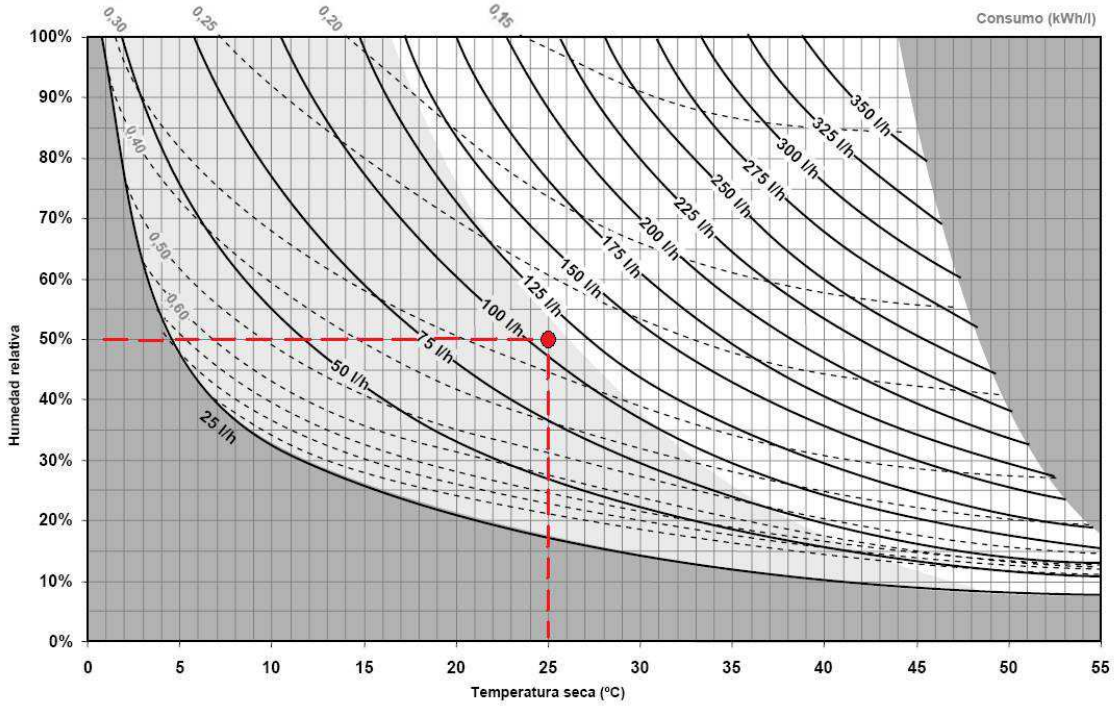


Diagram of production and energy costs by the AQ5000 U equipment

Example: the discontinuous red stripe mark in his intersection a point in which the water production of a AQ5000 U unit reaches 102 liters per hour, in the environmental conditions of 50 % of relative humidity and 25 °C of temperature, with an electrical consumption per liter of 0,28 kWh/l.

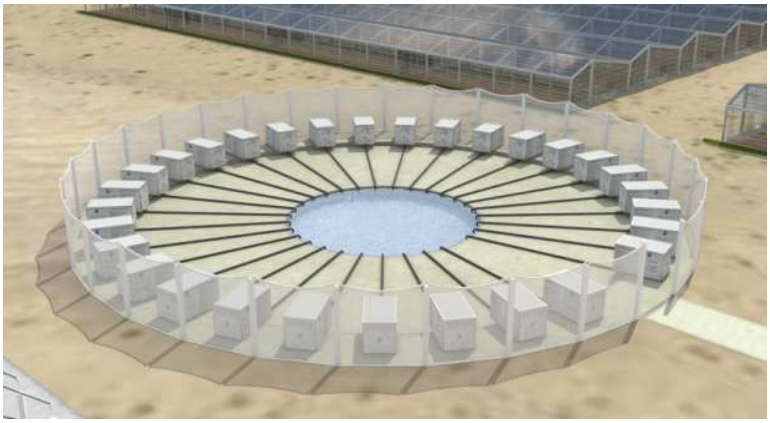
NEW ECO- AQUAIR5000 BASIC MODULAR (AQ5000 BM)

AQUAIR5000 1 UNIT

UNIT ESPECIFICATIONS

- Daily maximum capacity production: up 8.400 liters approx/day.
- Cost per liter: 0,16 kWh/l approx.
- Wide operation field for extreme conditions:
  Temperature limits 5°C-55°C.
  Relative humidity limits 20%-99%.
- Three-phase, 380V 50-60 Hz. 108 A.
- Modulable.
- Easy adapt to custom engineering projects
- Easy set up and maintenance.
- Automatic switch on/off
- Quick installation.
- Prepared for several environments
- Any electrical energy, including the renewable.
- Environment friendly
- Sanitary registration nº200761400005519

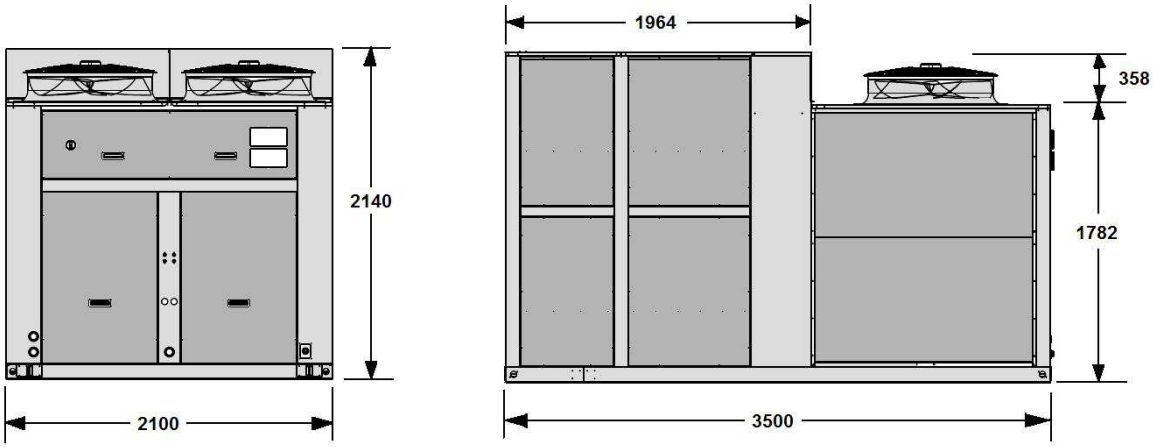
AQUAIR5000 2 UNITS



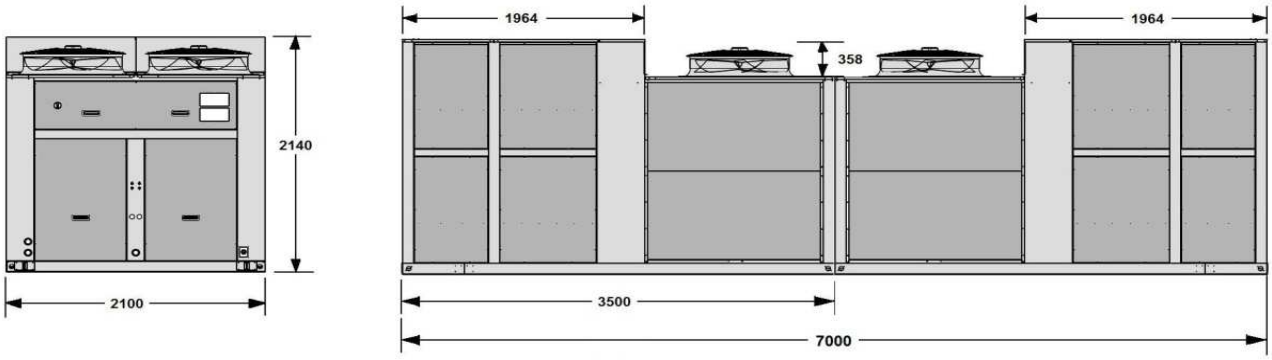
AQUAIR 5000 UP TO 30 UNITS

DIMENSIONS

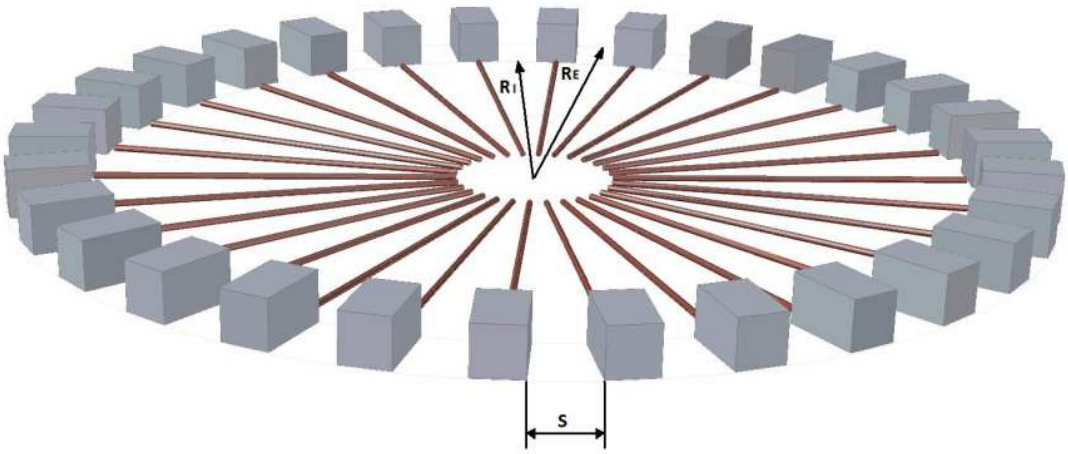
MEASURE 1 UNIT



MEASURE 2 UNITS



MEASURE 30 UNITS



N (número de equipos) = 30
RE (radio exterior) = 20 m
RI (radio interior) = 23.5 m
S (separación entre equipos) = 2 m

AVERAGE WATER PRODUCTION AND ENERGY CONSUMPTION PER LITER

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Cooling circuit	Gas	R-407 C
	Gas Load	70 Kg
	Expansion	Thermostatic valve
Electric Characteristics	Voltage	400 V-III-50 Hz
	Max operating current	108 A
Sound level	Sonic pressure	79 dB (A)
Dimensions	High	3500 mm
	Wide	2100 mm
	Deep	2140 mm
	Weight	1550 kg

AQ5000 BM WATER PRUDUCTION AND POWER COMSUMPTION

The production capacity of **AQ5000 BM** is linked to environment conditions. That is, in an environment warm and wet, with a higher content of water vapor, the production capacity is greater than in a dry place.

This diagram represents the production of water per hour from a **AQ5000 BM** unit with its own power consumption per liter, depending on the environmental conditions, temperature and relative humidity to register at all times.

With this diagram we know the production and consumption through the **AQ5000 BM** depending on temperature and humidity at all times and in every geographic area.

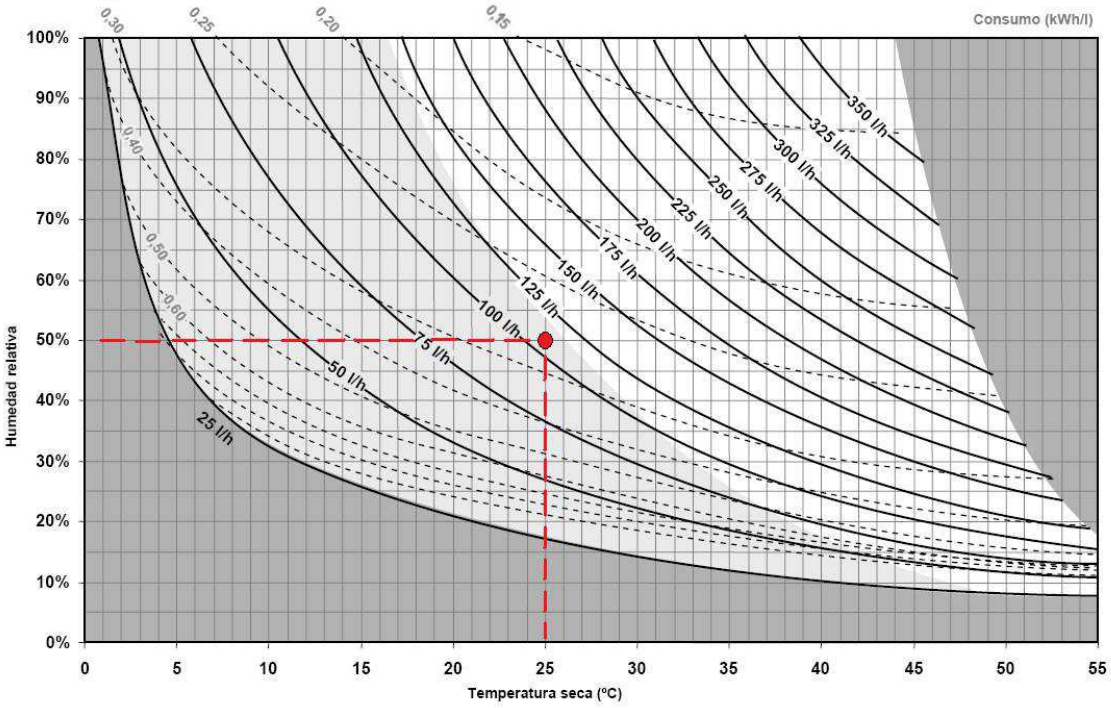

Diagram of production and energy costs by the AQ5000 BM equipment

Example: the discontinuous red stripe mark in his intersection a point in which the water production of a AQ5000 BM unit reaches 102 liters per hour, in the environmental conditions of 50 % of relative humidity and 25 °C of temperature, with an electrical consumption for liter of 0,28 kWh/l.