

## AIR TO WATER (AW-25)

Using innovation in heating and cooling, Rainmaker's Air to Water (AW-25) unit produces clean water from the air. This product can be driven efficiently by the wind, solar or other potential energy sources of energy. Water is produced at the point of use, thus eliminating both financial and environmental transportation and distribution costs.

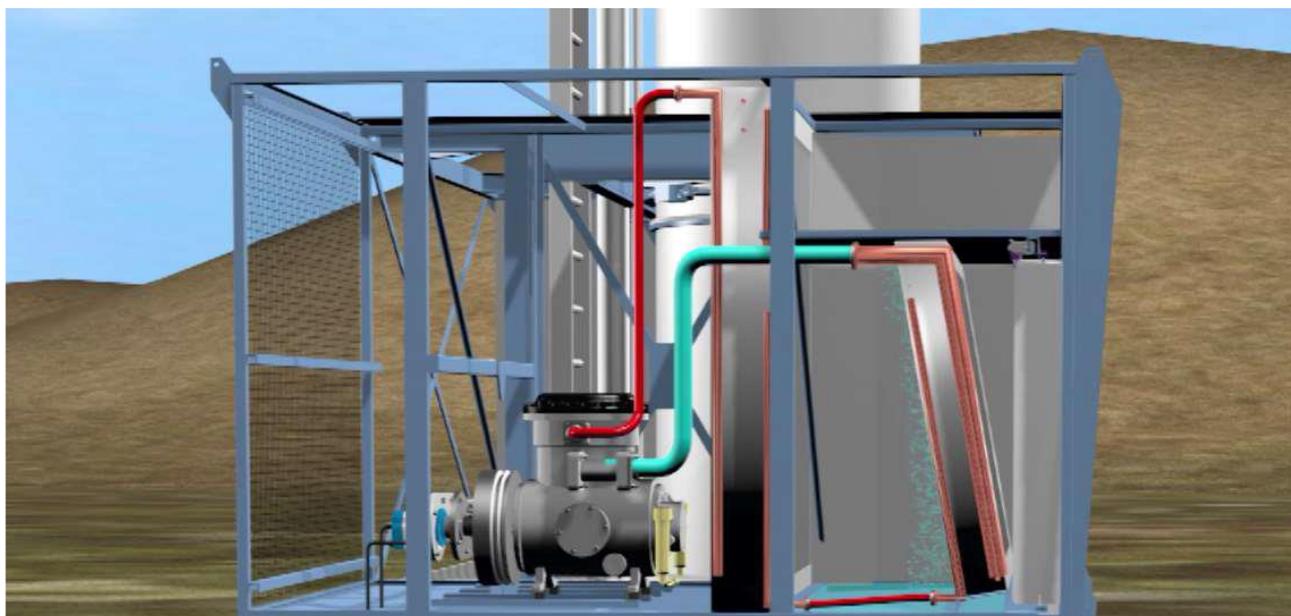


Figure 1 Heating compressor of the AW unit connected to heat exchangers

## HOW OUR TECHNOLOGY WORKS

It is possible to harvest water from the air almost anywhere in the world through naturally accruing process - condensation. The water production of the Air to Water depends on the environment conditions where the actual amount of the water that can be produced in a particular location will depend on the average ambient temperature and the relative humidity.

**Rainmaker's Air to Water** unit is based on condensation cooling technology and equipped with the environment monitoring system to regulate and adjust power input required. These technology advantages assure the most efficient system performance for the specific site environmental conditions and maximizes the water output.

The unit uses a fan that forces air through a heat exchanger, where the air is cooled just below the dew point and condensation takes place. Harvested water droplets are then collected in a water storage compartment where water purification up to the required water standards takes place. This proprietary Rainmaker processes yield as much as 5,000 litres of water per day.

Optimised process design and energy efficiency allows our products to stand out in the market, using up to 50% less power to generate the same volumes of water under the same climatic conditions (90% RH and 26,7 °C).

## Air to Water Base Unit 25

Main specifications version 2.0:

Water generation capacity	5.000 Liters/day (@: 26,7 °C, 90% RH)
Operational Environment	≥ 15°C, ≥ 15% RH
Refrigerant	Ammonia
Power consumption (nominal)	28 kW
Power consumption (peak)	43 kW
Electrical Connection	Industrial: 230/400V; 3 x 40A
Energy Efficiency (@26,7 °C, 90% RH)	168 Wh/liter
Dimensions	1.955x2.105x2.900 (mm)
Height	197 - 212 cm
Length	298 - 373 cm
Width	213 -214 cm
Weight	2.150 - 3.800 kg