

Case study DECATHLON warehouse Seville (Spain)



Decathlon switched to evaporative cooling for their huge warehouse. With 136 units, this is the single biggest Breezair installation in Europe.

Decathlon is part of the French Oxylane Group and is one of the largest chains of sporting goods throughout Europe.

The company has more than 1,000 stores in 31 different countries worldwide and employs more than 60,000 staff from 80 different nationalities. Decathlon's warehouse is based in Seville (Andalusia – Southern Spain) and from here they send goods to all Decathlon stores in Spain. The stores only keep a small stock of products, whereas the biggest part of it is kept in Seville.

The staff was experiencing issues in the warehouse itself, regarding the high heat load, which in the region can reach up to $38 - 40^{\circ}$ C.

Since cooling down the whole ambient with traditional air conditioning systems would have been extremely expensive for the company, they decided to install Evaporative Air Coolers.

Australair Ecoclimatización, exclusive importer and distributor for Breezair for central/southern Spain, installed 136 TBA550G units on the warehouse's roof, all of them controlled with an IWC10, making this the single largest installation of Breezair Evaporative Coolers in Europe.

The project was completed in a record time at the beginning of August, since temperatures were already very high in the region.

The temperature dropped to reach a more comfortable level of $26 - 27^{\circ}$ C, thus improving working conditions, morale and profitability.



World leading climate control solutions









"The results were impressive, the installation massive and the improvement of working conditions definitely remarkable.".

- Juan Rubio Millan, Australair's CEO

Benefits

Industrial and commercial buildings usually have heat issues. Air conditioning might seem the obvious solution, but it is expensive to install and maintain; and requires doors and windows to be kept shut.

As outside temperatures increase, buildings with inadequate ventilation become unbearably hot and stuffy. Not only does this effect staff morale, but can lead to absenteeism, reduced productivity and accidents.

Easy to install and maintain, Breezair evaporative coolers are the best solutions when cooling large areas. Running only with water and electricity, they use up to 87% less energy than conventional air conditioning, thus resulting in a significant saving in running costs.

Drawing 100% fresh air from outside, evaporative coolers offer a great health advantage over refrigerated air conditioning, which recirculates the same stale dry air over and over.



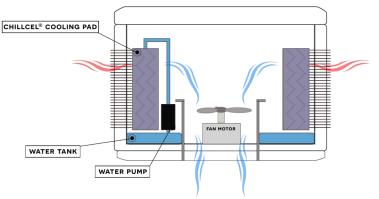
How it works

1. Hot outside air is pumped through water soaked pads

2. As the air blows through the pads, water is evaporated and the heat in the air is absorbed

3. A fan then pushes the cool air through a ducting system, which then lets the cool air inside the whole building

Breezair cooling units feature a patented fan which can also be used in fan mode only (with no water), to blow fresh air through the vents.





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