



# Harry Taylor

CELEBRATING *80* YEARS

## ECP16000 evaporative cooler



### People too hot? Business suffering?



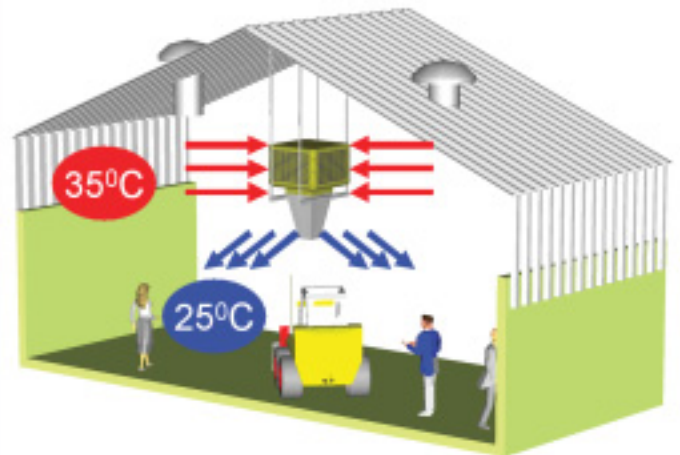
The ECP16000 evaporative cooler is a self contained system which provides a:

**SIMPLE**  
**SAFE**  
**LOW COST**

way of keeping people cool.

Evaporative cooling is a completely natural way of producing refreshing cool air. This process, typically reducing the air temperature by  $10^{\circ}\text{C}$ , can transform the working environment of your business.

Requiring only the connection of local services this innovative internal evaporative cooler has been specifically developed for industrial, commercial and retail operations.



## A logical alternative to air conditioning

### From the company with the know - how



# Harry Taylor

# A Logical Alternative to Air Conditioning

## KEEP COOL SIMPLY, SAFELY AT LOW COST

The heat generated in today's industrial and commercial buildings can quickly become unbearable when ambient temperatures increase. A poorly ventilated and hot working environment directly affects the attitude of a workforce or your customers.

In manufacturing, high temperatures lead to:

Human productivity falling by 4% for every degree over 22 °C

Human errors increasing by up to 40% at 32 °C

## SIMPLE

Where ventilation already exists internal evaporative coolers can be installed in a relatively short time with minimum disruption. With only minimal services requirements they are easily relocated as operating layouts change. No valuable floor space is used as the systems are normally suspended from the existing building structure.

The plenum chamber allows a variety of installation options to achieve either spot cooling or complete coverage.

## SAFE

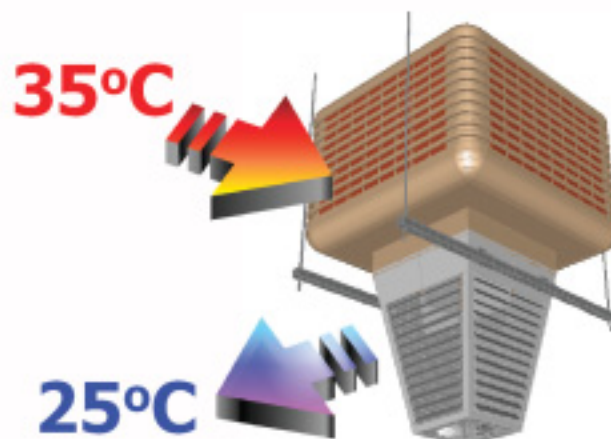
Potentially dangerous organisms do not present a risk as the water in an evaporative cooler circulates at a naturally cool temperature. Unique design and process controls prevent water stagnation. The plastic and stainless steel construction avoids corrosion.

The ECP16000 internal evaporative cooler supplies a constant flow of naturally cooled air without the use of environmentally damaging refrigerants.

## LOW COST

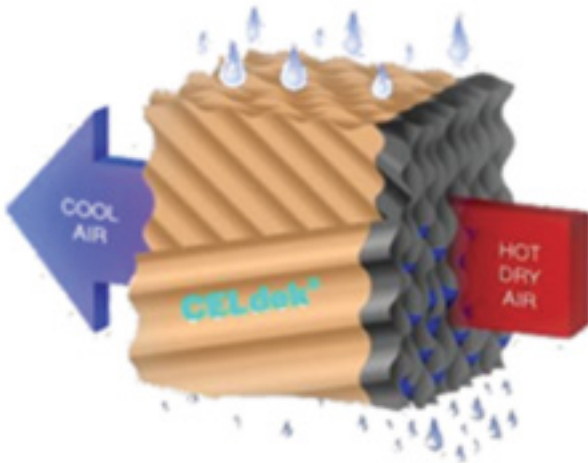
Typically an ECP16000 is 25% of the capital cost of a refrigerant based industrial air conditioning system. This, together with only 10% of the running cost, makes evaporative cooling a practical and realistic solution to people cooling in industrial and commercial operations.

## INTERNAL EVAPORATIVE COOLING – A LOGICAL ALTERNATIVE TO AIR CONDITIONING

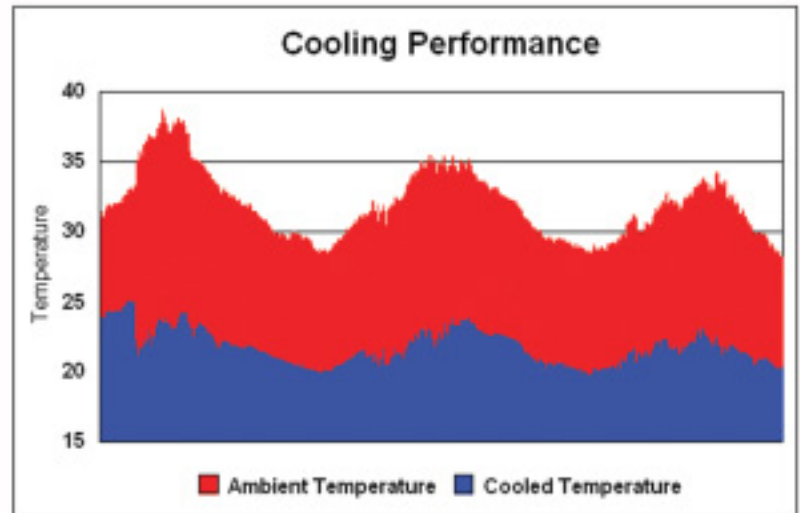




# A Logical Alternative to Air Conditioning



As warm air passes over wet filter pads water naturally evaporates into the air. The air is cooled as it gives up the heat required to evaporate the water.



The graph above shows an internal unit in a British factory reducing the air temperature by up to 14 °C – that is equivalent to 53KW of cooling capacity with an energy input of only 1.5KW.

## Capital Cost

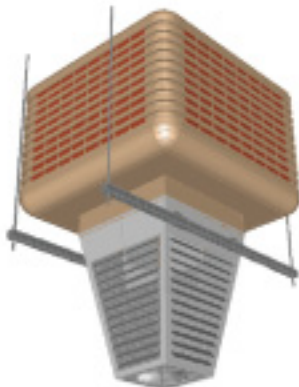
£Air Conditioning

£Evaporative Cooling

## Running Cost

£Air Conditioning

£Evaporative Cooling



## ECP16000 SPECIFICATION

Air Flow	4 m3/s
Approximate area covered	300 m2
Power input	1.5 KW
Operating weight	120 KG
Height	1700 mm
Width	1100 mm
Depth	1100 mm

## PERFORMANCE

@35°C 35%RH	
Temperature drop	10 °C
Cooling Effect	34 KW
Water usage	70 L/Hr

## WARRANTY

2 years warranty on all parts

# Harry Taylor of Ashton Limited

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