

## Issue 23

The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work



## Reduce your Cooler's Energy Consumption and reduce your Carbon Footprint at the same time!

To reduce your Energy Cost and avoid Pollution at the same time are positive wins for you and for the environment.

### Calculating Energy Savings

There is a great deal of confusion\* of how to calculate energy savings. We believe that the only way to achieve that is to establish a standby baseline mode over a 24 hour period and compare it to and operational mode over a 24 hour period. The delta between the two gives you the savings.

### Energy Saving Calculation Of A 3300X

This example shows you the typical cost savings of a Hot & Cold 3300X and an Ambient & Cold 3300X. It calculates the "Standby" use and compares it to an "Average" use with and without "Sleep Mode". By the nature of things there will be variations depending on individual use, but the general direction will be correct. The more use, the higher the power consumption, the greater the savings when compared to 12 hour "Sleep Mode", especially with a Hot & Cold Cooler! (savings per Hot & Cold KWH = 455KW, savings per Ambient & Cold KWH = 54.6 KW) At the same time the CO2 savings with "Sleep Mode" will be significant (1KWH = 203gsm CO2)

### AA Energy Saving Options

In addition to the savings generated by a standard unit, AA supply:

1. A SIP self sanitising system which incorporates overnight "Sleep Mode" to turn the equipment off when the unit is not in use. Sleep Mode does not affect 24/7 automatic Sanitising, which continues.
2. The KLARAN UVC LED processor only activates sanitising when water is being dispensed. Power savings are therefore very difficult to calculate.
3. Some of our models can also be fitted with ECO Light Sensors, which turn the equipment off when the surrounding office lights are switched off.

Press DOWNLOAD to see the savings available for the main AA Coolers using SIP



		Watt & Volt	KWH Per Day	KWH Per Annum	KWH Savings	% Savings	Cost at 50p Per KW Per Day	Savings PA at 50p per KW	CO2 KG Savings @207GMS per KW
3300X (Hot & Chilled)	No Sleep Mode*	800 Watt 220-240 Volt	2.7	982.8			£1.35		203.44kg PA
	Sleep Mode* (6pm - 6am)	800 Watt 220-240 Volt	1.45	527.8	455	46%	72p	£227.50	109.25kg PA
	Standby (No Use)	800 Watt 220-240 Volt	2.24	815.36			£1.12		168.78kg PA
3300X (Ambient & Chilled)	Sleep Mode* (6pm - 6am)	81 Watt 220-240 Volt	0.23	83.72	54.6	39%	11p	£27.30	17.33kg PA

\*Water Volume drawn off, 3 litres of cold water and 1 litre of hot per day. This is to simulate a weekly consumption of 15 litres.

