AA FIRST

information hub

knowledge is strength

Issue 23

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

There is an increasing demand on customers to reduce energy consumption. However, reducing your coolers energy consumption and reducing your carbon footprint at the same time - is not as easy as it seems.

Calculating Energy Savings

There is a great deal of confusion* of how to calculate energy savings. This is because there are many factors which affect energy usage:

- How many drinks the cooler dispenses
- The recovery time between drinks
- The incoming mains water temperature
- The KWH of the chilling and boiling unit

If anyone gives you a "definite" answer of how much energy your cooler saves, they are either confused or telling porkies.

Look at it this way, if you ask what the fuel consumption of your car is, you will get different answers from different manufacturers. It will depend on what speed you drive, in what gear, how heavy the car is etc.

We believe the only way to get close to calculating energy consumption is to establisha standby base line over a 24 hour period and comparing it to an operational mode 24 hour period. The difference between the two measures gives you an approximation of energy savings.

The calculation of a 3300X Hot & Chilled suggests an electricity saving of £227.50 per annum with a carbon reduction of 109.25kg.

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.

Watch SIP NEO 3 Video

2. The KLARAN UVC LED processor only activates sanitising when water is being dispensed. Power savings are therefore very difficult to calculate.

Watch The KLARAN UVC LED Video

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

DOWNLOAD

		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

The Energy consumption logo has been around for many years and was created for household equipment which does not depend on variable consumption, or are clearly linked to fixed operations, ie TV's, Fridges, Microwaves and similar.

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