



Calorex bathes in gold at industry awards

An outdoor swimming pool featuring a Calorex heat pump has been recognised for its energy efficiency credentials, after achieving a Gold Standard in a top industry award.

The pool, which is heated by a Calorex Pro-Pac 22Y, was awarded the accolade in the Energy Efficiency category at the 2016 UK Pool & Spa Awards.

Recognised as the most sustainable way to dynamically heat swimming pool water, the Pro-Pac unit was chosen for the project by pool installers Waterstream, to keep energy and operating costs to a minimum.

"The client was looking to install a high specification efficient swimming pool that would be easy to maintain, but crucially would be as low as possible on running costs," explains Alex Kemsley, Managing Director at Waterstream.

"The client opted for a Compass one-piece pool with a fresh water system, which uses less chemicals. For insulation, we built the pool to meet indoor pool building regulations for heat loss along with a polycarbonate cover and pipe insulation. The 21kw Calorex heat pump is the icing on the cake in terms of efficiently and cost effectively heating the pool warm all year around."

Designed and manufactured in the UK under ISO9001 compliance, the highly innovative Pro-Pac heat pumps are specifically designed for swimming pool heating and are capable

of providing a pool with up to five units of absorbed heat for every one unit paid for.

In the summer, the heat pump will work at a coefficient of performance (COP) of about 5:1, which means that heat goes into the pool at one fifth of the price of standard rate electricity.

Typically, electricity is 12.5p/kWh so heat goes into the pool at 2.5p/kWh.

In winter, Calorex heat pumps fall to a COP of about 3:1, making the heat into the pool at about 4.2 p/kWh - still lower than heating with gas.

Pro-Pac X heat pumps are ideal for outdoor pool heating or pools with a semi-permanent enclosure to extend the useable period of a normal outdoor pool, when temperatures are above 5°C. Whereas Pro-Pac Y pumps are suited to heating indoor or outdoor pools all year round and can operate in temperatures as low as -15°C.

For more information on the comprehensive range of high performance units, contact the heating and ventilation division of the sole UK distributor, Certikin International.

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