

Energy saving ClimaFläkt chiller for Llandudno theatre



Fläkt Woods is pushing ahead with the integration of its range of ClimaFläkt chillers into the UK market portfolio and has recently delivered a massive 800 kW unit to the North Wales Theatre in Llandudno.

■ FACTS

Customer: North Wales Theatre in Llandudno.

Need: Air climate solution that is energy efficient, silent, easy to install and maintain.

Solution: Fläkt Woods ClimaFläkt Chiller KCCD 400 with twin single screw compressors and a specially designed shell and tube evaporator with a cooling capacity of 800 kW.



Complete air climate solutions from Fläkt Woods

Fläkt Woods has a broad product range and expertise to cover all air climate needs. In the UK, the company is now focussing strongly on cooling solutions.

Specifically, this means marketing the range of ClimaFläkt chillers alongside AHU and chilled beams to provide complete air climate solutions.

The ClimaFläkt chiller range has both air and water cooled models with various compressor solutions including rotary, scroll, single and twin screws with refrigerant options.

Energy savings

The focus on saving energy in buildings has never been more important. With multi-scroll compressors and non-ozone depleting refrigerant R410A, the new range of ClimaFläkt chillers achieves an average COP of 4.2 with energy savings up to 35% considerably reducing running costs and meeting the new EC directive for energy efficiency ratios.

Low noise levels, easy installation and maintenance are also key features of the new chillers, which are available with microprocessor control, electronic expansion valves, three low noise versions, hydraulic pump packs for plug and play installation. All units are available in heat pump or 'free cooling' version.

Cooling for free

Free cooling is becoming more and more popular. A 'free cooling' chiller features compressors, condensers and evaporators, but also includes an integral dry



cooler circuit. This type of chiller constantly monitors the ambient temperature, so once this falls below the chilled water temperature, free cooling is activated. Thus, maximum effect and substantial energy savings and running costs can be achieved.

North Wales Theatre

Fläkt Woods has delivered a new ClimaFläkt chiller with a cooling capacity of 800 kW to North Wales Theatre in Llandudno.

The unit has a new microprocessor control and electronic expansion valves which continually adapt the chiller operating parameters to the load conditions of the system, reducing energy consumption and noise while the working life of the parts increases.

The unit was also supplied complete with twin pumps, expansion and buffer vessels for a total solution along acrylic coated coils for coastal application.

ClimaFläkt Chillers

The Fläkt Woods range of chillers are designed to minimise the overall energy consumption in all types of buildings. The products meet all relevant European standards and are Eurovent and CE certified.

Fläkt Woods Group

Fläkt Woods is a global company providing solutions for ventilation and air treatment for buildings as well as fan solutions for Industry and Infrastructure applications.

Contact information

Linden Shuttleworth
Fläkt Woods UK
Tel: +44 161 969 1992
www.flaktwoods.com

Fläkt Woods Limited

Axial Way, Colchester, Essex, CO4 5ZB

t +44 1206 222 555 f +44 1206 222 777

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