

Press release

New CWE/CWU units for the CyberAir 2 from STULZ Precision air-conditioning series for chilled water applications

Hamburg, July 2009. Hamburg-based air-conditioning expert STULZ is expanding its CyberAir 2 precision air-conditioning series by adding powerful CWE/CWU versions for chilled water applications. With these new A/C units, STULZ is employing separate fan and heat exchanger units with the aim of achieving more flexible installation options. The CWE version of the units can be installed on the raised floor, and the CWU version in the raised floor of the data centre, depending on the available space and technical circumstances of the building. If the EC fans are mounted in the raised floor, they use up to 35 % less energy.

Energy efficiency thanks to indirect free cooling

In combination with modern free cooling chillers, STULZ CyberAir 2 CWE/CWU A/C units achieve energy-efficient air conditioning in medium-sized to large data centres. STULZ makes use of indirect free cooling in order to save electricity costs and optimise the air conditioning. In this technology, the used water-glycol mixture is cooled in the outside air by means of a heat exchange system. "We have enlarged the heat exchanger and, in this way, designed the CyberAir 2 CWE/CWU for high chilled water temperatures," says Uwe Kudszus, Product Manager of STULZ's precision air-conditioning division. "This enables free cooling to start at higher outside temperatures." This increases the proportion of free cooling over yearly operating hours, and significantly lowers running costs.

Intelligent standby management saves electricity

Like all CW variants of the CyberAir 2 series, the CWE/CWU version is also equipped as standard with electronic CW standby management. The system incorporates the switched-off standby units in the system control, and keeps the existing A/C units in balance in energy-saving partial load mode. As a result, the fans consume up to 70 % less energy. In the event of problems or the failure of an A/C unit, the remaining units automatically switch to full load mode, ensuring continued cooling.

CyberAir 2 provides flexible solutions for medium-sized to larger data centres

With a diverse range of options, the CyberAir 2 series offers flexible solutions for the air conditioning of medium-sized to large data centres. Precision A/C units are now available with seven different cooling systems. The cooling capacity ranges from 18.6



kW to 197 kW. The CWE/CWU air-conditioning systems' especially high cooling capacities of 67.2 to 167.5 kW are another outstanding feature. CyberAir 2 CWE/CWU is available now.

About STULZ GmbH Klimatechnik

Since it was founded in 1947, the STULZ company has evolved into one of the world's leading suppliers of air-conditioning technology. With the manufacture of precision air-conditioning units and chillers, the sale of air-conditioning and humidification systems and service and object management, this division of the STULZ Group achieved a turnover of around 300 million euros in 2007. Since 1974 the group has seen continual international expansion of its air-conditioning technology business, specialising in A/C for data processing centres and telecommunications installations. STULZ employs 1,600 workers in Germany and across twelve subsidiaries (in France, Italy, Great Britain, the Netherlands, New Zealand, Poland, Spain, China, India, South Africa, Australia and the USA). Additionally, the company co-operates with sales and service partners in more than 100 other countries, and therefore boasts an international network of air-conditioning specialists. It has production plants in Germany, Italy, the USA, China and India. The STULZ Group employs over 4,000 people world-wide. Current turnover lies at around some 700 million euros.

You can find further up-to-date information about STULZ on the Internet at www.stulz.com, or contact:

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