

Tall order for Lu-Ve

LU-VE Group has supplied 12 x SDHLF 214 dry coolers for the data centre in the 185m tall T1 Tower, in La Défense area of Paris. Designed by architectural firm, Valode & Pistre, the tower will be occupied by Gas De France-Suez.

The installation of the equipment for the ac was carried out by the Cofely Company, a subsidiary of GDF-Suez. All areas of the T1 Tower, apart from the data centre, are connected to a local central unit for the production of hot and cold water which is used to air condition the offices.

The SDHLF 214 C units, featuring copper/copper coils and EC fans, are renowned for their high efficiency heat exchanger, high power at low air flow, low electrical energy absorption of the motors and for their quiet operation.

The special feature of the installation in the GDF-Suez skyscraper is that – contrary to normal implementation procedures – the units were supplied disassembled.

Because the site crane was dismantled at the end of the civil engineering work it was necessary to take the units to the roof and assemble them one by one.

The main characteristics of the V units



Left: The T1 Tower in Paris

Above: The units were assembled one by one on the top of the tower at a height of 169m

with single fan-rows in the SDHL range are: maximum height of 1,665mm; 32 models from 30kW to 584 kW; double exchanger coil; one to seven fans from 900 – 1,000mm; low noise operation and reduced energy consumption.

The high performance of the SDHL heat exchanger is due to the optimum combination of special profile fins and internally helically-grooved tubes.

All models in this line of LU-VE products are available with different circuits, Alupaint fins in painted aluminium or, alternatively, with copper fins (like those installed in the T1 Tower). The range can be used for water cooling, free cooling and for cooling other liquids.

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