

Andrews Chillers provides cooling for Dutch conference venue

During the summer months, large open spaces populated by great numbers of people can quickly become hot and uncomfortable unless action is taken. This applies to marquees, factories and warehouses but also to event halls – as in this instance.

With temperatures rising sharply during an intense heatwave that affected most of Europe, the company responsible for organising a series of conferences scheduled to take place at a popular venue in Amsterdam contacted us in search of an immediate solution. The size of the application meant that two 50kW chillers were needed to cool the entire hall, with additional steps taken to ensure cold air was evenly distributed throughout the area.

It was therefore decided that each 50kW chiller would be connected to two 50kW FCU air handlers in order to circulate and regulate the air conditioning supply. Our technician explained to the client that using air handling units in conjunction with chillers was the most efficient and cost-effective option available to them whilst ensuring that temperatures were reduced to a more desirable level.

While the chiller units undoubtedly played a key role in this solution, it was the deployment of our new air handling units that provided the customer with a greater degree of flexibility than would have been possible with alternative equipment.

Featuring a three-way valve to adjust temperatures and provide either cooling or heating when required, our 50kW FCU air handlers also has Inverter technology and offers controllable air flows ranging between 0 and 11,500m³/h.

Once installed, our cooling hire package worked perfectly to counteract sweltering indoor heat. The client was delighted with the overall solution but was especially impressed with the recirculation capabilities of our units, which ensured running costs were minimised despite the equipment running almost constantly during a three-week period.



Nominal cooling duty: 50 kW
Nominal heating duty: 100 kW
Air flow (max): 11,500 m³/h
Power supply: 415 V 3 ph 50 Hz N+E Run 6 A
Plug type: BS4343 5 Pin 32 A
Noise level (max): 44 dBA @ 1 metre
Weight: 330 kg
Dimensions (L x W x H): 1,600 x 790 x 1,510 mm
Duct length (max): 40 metres
Duct size: 1 x 600 mm
Average power consumption: 1.8 kW/h
Integral condensate pump: Yes
Fan speed controller: Yes (Invertia drive technology)
Water connection: 50 mm (2") bauer

