

# Case study 312

# Data Room Remains Cool

A firm of consulting engineers specialising in mechanical, electrical and environmental engineering contacted Andrews Chiller Hire for an instant solution for their clients' data room. The company were in charge of replacing the existing air handling units and requested temporary cooling for their data room. A data room is a space where a multitude of servers and electrical equipment is stored which contains confidential information. When the weather becomes warmer or existing equipment fails the room overheats, it is imperative that a quick cooling solution is supplied to ensure that the equipment doesn't overheat and breakdown.

Due to the size of the data room we had to ensure that the appropriate units were provided. Once our experts gathered sufficient information concerning the layout, we delivered and installed one 100kW fluid chiller coupled to two 15kW air handling units and three 30kW air handling units. Consequently, the equipment was strategically placed to provide the desired air flow and temperature. The 100kW fluid chiller combined with air handling units is very powerful and easy to manoeuvre; it's environmentally friendly and can be used where large volumes of cooled air are needed. All these units placed together were perfect for the situation at hand.

The contractor was very pleased with the quick response and their client was extremely happy that the data room did not shut down due to overheating. Andrews Chiller hire are experts at creating the finest bespoke solution for your problem. Not only do we do same day delivery and installation, but we are open 24/7 for any emergency calls.



Nominal cooling duty 100 kW 341,200 btu  
Plug type BS4343 63 A 5 pin  
Power supply 415 V 3ph +E 50 Hz Run 70 A/hr  
Average power consumption 31.6 kW/hr  
Noise level (max)58.5 dBA @ 10 metres  
Generator size 75 kVA  
Weight 1,790 kg  
Nominal heating duty (HP version) 100 kW  
341,200 btu  
Dimension 3,100 x 1,330 x 2,775 mm  
Water connection 2 Bauer  
Control Automatic programmer



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