

Case study 326

Drinks production line assisted

When one of the UK's most well-known drinks companies began to suffer the effects of increased summer temperatures, an immediate solution was required within their Gloucester-based production facility. A number of bottling areas were in the process of having new air conditioning systems installed, meaning an alternative arrangement was sought for the time being. Part of the problem was the minimal air movement within the vicinity, which left the whole area exposed to an excess of 30°C temperatures.



Andrews Chillers had already provided a chiller for one side of the area on a previous occasion, with the client requesting a second unit to operate concurrently during the summer months. At this stage, it was decided that duplicating the original hire package would be the best option – and this comprised of a 100kW chiller and two air handler units (one 30kW, one 50kW).



The second chiller was located adjacent to the first, and as close as possible to the outside wall of the building. Each air handler was then manually skated into place around conveyor belts in the production area, to ensure the possibility for any disruption was restricted. Our customer commented that the patience of engineers overseeing the project was greatly appreciated, as gaining access to the site was both limited and time consuming.



Despite spatial issues and a large cooling requirement due to the premises' size, the chiller hire solution we implemented was extremely well received by the contact. All equipment was expected to remain in place until the hot weather had subsided, taking the rental period to approximately three months in total.

Nominal cooling duty 100 kW
Nominal heating duty 100 kW
Power supply 415 V 3 ph Run 60 A
Noise level (max) 58 dB @ 10 metres
Weight 1,560 kg
Dimension 3,090 x 1,330 x 2,775mm
Control Automatic programmer
Plug type Hard wired 5 core x 35mm²
Average power consumption 33 kW/hr
Generator size 75 kVA
Water connection 50 mm (2" Bauer)
Nominal water flow 5 l/s



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