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Manufacturing process kept fully functional

In some cases, upgrading an air conditioning system may not be the most cost-effective option if it is only required a few weeks a year. Hiring supplementary equipment during peak periods of hot weather is often regarded a more suitable alternative, particularly when companies are operating within budget constraints that don't permit substantial expenditure on capital goods.

So when one of the world's largest manufacturers of motor components required a chiller to supplement their existing chilled water system, they contacted Andrews Chiller Hire for a bespoke cooling solution. Our client specified that an additional unit would be necessary rather than a complete replacement of what was originally in place, due largely to the fact that extra cooling would only be needed during the summer months.

As a result, we delivered a 375kW fluid chiller which was installed on a foundry roof and slipstreamed with existing chilled water to decrease the overall temperature of the process water. Due to the complexity of the installation a large crane vehicle was used to lower it into the desired location. The unit was then connected into the existing chilled water pipework by use of diverter valves and temporary pipework.

The hire package we proposed performed perfectly once set up, meaning there was no risk of production being affected by rising seasonal temperatures. Instead, our customer was able to maintain their normal output levels during seasonally high ambient temperatures.

Nominal cooling duty 375 kW
Power supply 415 V 3 ph Run 199 A
Plug type Hard wire (4 x 95mm2)
Noise level (max) 70 dB @ 10 metres
Weight 5,220 kg
Dimension 6,058 x 2,438 x 2,591mm
Control Automatic programmer
Average power consumption 99 kW/hr
Generator size 200 kVA
Water connection 100 mm (4" Bauer)
Nominal water flow 17.5 l/s
Low temperature -12C