

Reducing service costs for Tamworth Services Club



Kirby Commander Units with Variable Speed Drives contributed to an overall energy bill reduction for the Tamworth Services Club.

The Tamworth Services Club is like many clubs across Australia. Well regarded, long established, but dealing with a refrigeration system that was in need of an overhaul.

The existing belt drive Kelvinator T Series and Terry PJS Series were taking all the load of the refrigeration in the club, but were becoming increasingly unreliable.

Service Contractors, NTC Refrigeration were making frequent calls to the site to resolve issues surrounding leaks, broken belts and short cycling. The system was very noisy and inefficient.

Tamworth Services Club Manager, Kristian Brookes commented,

“Reducing service calls was our primary motivation. NTC - our service contractors, were in to fix the units quite often”

As a result of a long standing relationship and confidence in Heatcraft and Kirby equipment, NTC consulted with Heatcraft Engineer, John Mostyn to help devise a solution.

To manage the load (of 3 coolrooms, 10 cabinets of various sizes and 2 glycol beer systems) and still provide some service

At a glance...

The Business Need:

Reduce service costs and ensure a reliable refrigeration system.

Improved product shelf life

The Solution:

Heatcraft supplied 2 Kirby Commander Air Cooled Condensing Units with Variable Speed Drives.

Variable Speed Drives ensure excellent load matching and stable storage temperatures with less start and stop cycles of the compressor.

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redundancy, Heatcraft recommended two Kirby Commander Air Cooled Condensing Units with the option of Variable Speed Drives.

The Commander Units are a robust unit, well priced and offer smooth, quiet operation attributable to the external rotor fan motors and Dorin H series compressors.



Tamworth Services Club



Studies in success



NTC Refrigeration Managers Brad Costigan and Tony Salter noted,

"We spoke to the club about the different options and energy savings that could be achieved with the VSDs. They could see the benefits and gave us the go ahead to fit the new units with the VSD fitted".

Variable speed drives offer more accurate, balanced load matching with improved efficiency. During quiet times in the club the variable speed drives enable the refrigeration system to adjust itself to suit the reduced refrigeration load requirements efficiently. The units adjust themselves again during peak times to meet the extra load requirements.

The soft start feature of the VSD also reduces the compressor starting current by up to 40%.

Installation and commissioning of the units was made easy thanks to the factory configured VSD, which minimises on-site programming for easy installation and commissioning.

"Heatcraft joined us for the commissioning. We only had to set a new function for an off-cycle defrost during the evening - which took about 5 minutes. We are very happy with the Kirby Condensing Units and after sales support we received. We would certainly use them again".

As a result of the upgrade, Kristian Brookes, Tamworth Services Club Manager was pleased to report that service issues have been reduced by



The soft start feature of the Variable Speed Drive reduces compressor starting current by up to 40%.

almost 100%. Temperature in all the cooling units has also been a lot more consistent.

"Power saving was not our primary goal. We have seen an overall power bill decrease which is due to several things but I believe these units certainly helped with the reduction in running costs for the club... We are very happy with the results. Our service costs have been reduced significantly".

To find out how Kirby equipment can deliver an efficient solution to support your customer's business, contact Heatcraft on 13 23 50.

For more information on NTC Refrigeration, visit; www.ntcrefrigeration.com.au

To contact the Tamworth Services Club, visit; www.tamworthservicesclub.com.au



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