



PATTONPAK R134a SPECIAL.

Recently at Patton Ltd (NZ) we were presented with a unique challenge that needed a team effort across almost all fronts of our business. We succeeded in facing this challenge with our 'can do' attitude, resulting in a happy customer, good experience and further evidence of our ability to innovate.

A supermarket in Australia required several custom built R134a PattonPak units fitted with reliable Copeland ZB Scroll compressors, in addition to a careful selection of well-matched components as normally featured in our PattonPak units. PattonPak units are typically favoured for reasons such as being pre-wired which allows for easy installation; they harmonise with the visual landscape instead of clashing as does a conventional condensing unit; they have a low profile design and they can be chosen to suit a vast range of requirements.

The main aspect of this challenge was the fact that we had a very short timeframe to design and construct these units. They had to be suitable for Australian conditions, well priced and well designed given the short period from request to finished product. It was specified that they must also run on R134a refrigerant to be compatible with the customers focus on lowering their carbon footprint. We received the initial telephone call on the 9th of September, and we shipped the finished product on the 17th September, a turnaround of only six working days.

Some of the design aspects that needed to be overcome were the selection of the correct condenser coil for the application, the selection of a suitable model Copeland Scroll compressor, correct fans for airflow requirement and carefully selecting matching equipment and accessories to fit to the units ensuring reliable superior performance.

The effort put in by our manufacturing staff to produce these units quickly while maintaining their high standards of quality and care was a key component of this project. Our engineering department put in a good deal of hard work to ensure the equipment was designed to match the load perfectly. In addition they spent a lot of time liaising with Manufacturing to make sure we could solve all of the potential issues and difficulties that may have arisen with the custom units; fortunately the designs proved to be excellent and trouble free from start to finish. Also of course

credit must also be passed to the hardworking team in the Warehouse for coordinating with the freight company, packing the goods carefully and safely as well as ensuring they were shipped on time.



Overall this project will be remembered as an enjoyable invigorating experience, and helps renew our reputation for excellence in the field as well as ensuring awareness that we at Patton Ltd are well positioned in the market to cater to our customers needs.