

CASE STUDY

QUINTON'S SUPA IGA SLASHES REFRIGERATION ENERGY USAGE



QUINTON'S SUPA IGA

Quinton's SUPA IGA is a family owned and operated supermarket located in Warrandyte, a north eastern suburb of Melbourne. Julie Quinton, who owns and runs the business, has been proactively

implementing energy savings measures across the business for some time. In 2017, she initiated a project to upgrade the fan motors in the store's refrigerated display cabinets.

UPGRADING: A SIMPLE DROP IN SOLUTION

The supermarket engaged ebm-papst and local refrigeration specialists, Fuller Refrigeration, to replace 73 of their old inefficient Q motors with high-efficiency ebm-papst iQ 3612 motors.

The benefits of the ebm-papst iQ motors are the higher energy efficiency and easy replacement. The old Q motors run at around 58 Watts (using a 254mm impeller) which drops down to 23 Watts after upgrading to the iQ model.

Because the iQ has the same dimensions as the Q motor, it can be retrofitted quickly and easily without structural modifications or other extra effort.

The ease of retrofit also meant the display cabinets did not need to be emptied while the work was taking place, allowing Quinton's to continue normal business with minimal disruption to customers.

The supermarket can also look forward to better overall fridge performance as the new fan motors emit less heat.



ENERGY EFFICIENCY INCENTIVES

To make the upgrade more affordable for Quinton's, ebm-papst and Fuller Refrigeration partnered with energy efficiency solutions company, EcoVantage. EcoVantage works within the Victorian Energy Efficiency Target (VEET) scheme to help businesses transition to more efficient technology.

As the fan motors are an approved product under the VEET scheme, EcoVantage was able to create energy efficiency certificates relative to the amount of energy saved. This resulted in a rebate being paid to Quinton's IGA which reduced the overall cost of the upgrade.

SUMMARY

- Quinton's will slash their energy usage (related to fan motors) by at least 60% which will directly reduce their electricity costs
- The retrofit was a simple operation with minimal disruption to customers
- The return on investment will be short due to more efficient technology and the VEET rebate
- The fan motors will enjoy a longer service life

