



Case Study

Reducing heat build-up across dual dairy sheds.

All the fresh air you could ever need. All from one place.



Reducing heat build-up across dual dairy sheds



About the business.

A New South Wales-based agribusiness operates a large-scale dairy enterprise spanning more than 420 hectares of mixed dryland and irrigated farmland. Approximately 140 hectares are irrigated through a 16-span lateral system, supporting consistent feed production and herd performance. The operation milks around 600 cows through a 24-aside rapid-exit, swing-over parlour designed for efficiency and herd flow. With modern infrastructure and well-managed irrigation systems, the business demonstrates strong capability in high-volume dairy production, maintaining reliable output and operational efficiency across its facilities.

Business challenge & considerations.

The client operates two large open-walled dairy sheds, each measuring approximately 80 metres long and 40 metres wide with a 12-metre-wide central laneway. Housing around 300 cows on each shed, the facilities were prone to heat build-up during warmer months, particularly where natural airflow was limited. Prolonged exposure to high temperatures risked reduced milk production, lower feed intake, and increased animal stress. With summer approaching, the client required an effective cooling solution that could be installed ahead of the season to maintain optimal conditions for livestock and workers.

Fanquip solution.

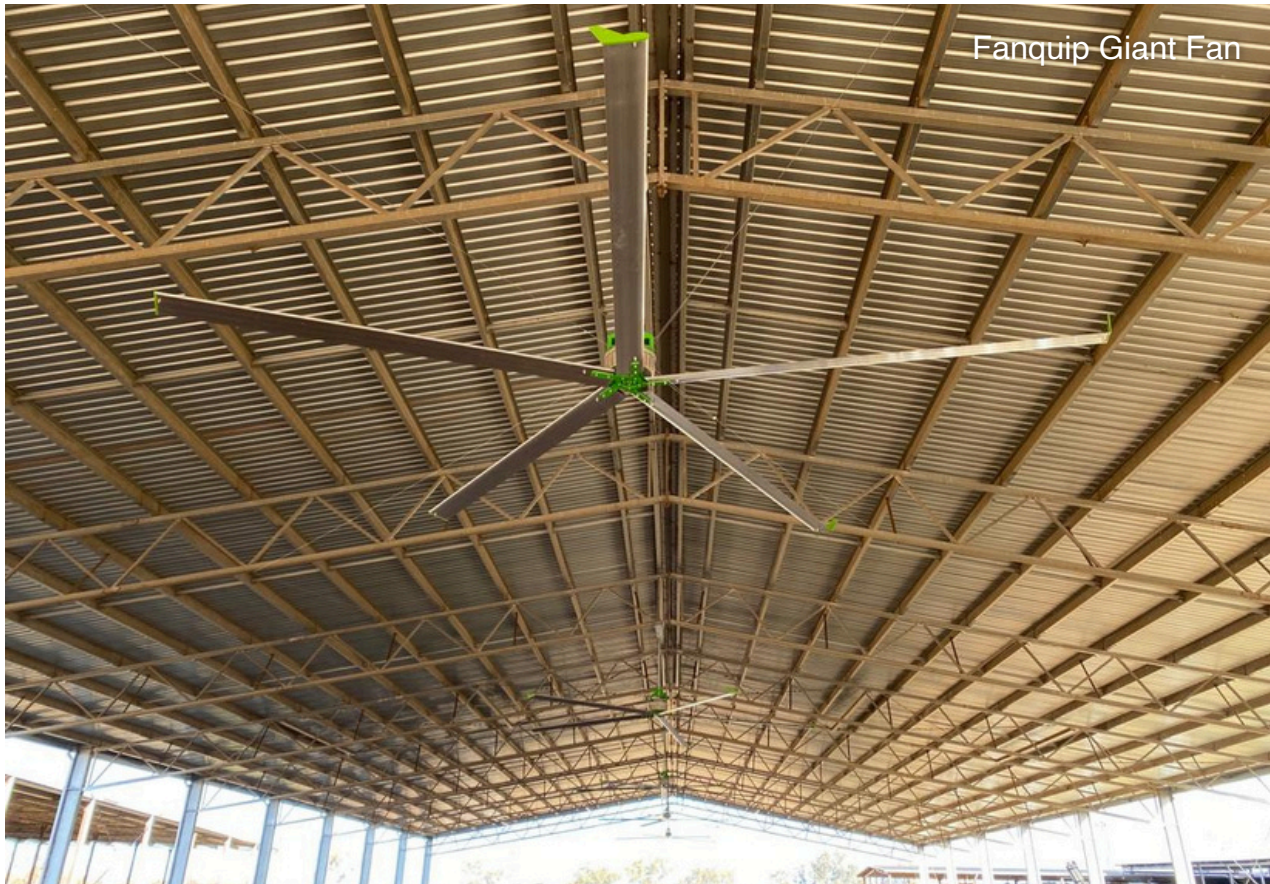
Fanquip supplied a cooling solution featuring ten 7000mm Giant Fans across two dairy sheds. Installed to provide consistent airflow throughout the open-walled environment, the system delivers efficient air movement and improved cooling, while centralised controls allow simple adjustment and operation.



Giant fans

Move high volumes of air for more consistent airflow throughout the facility.

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Product information

Giant Fans, or High Volume Low Speed (HVLS) fans, are designed to efficiently circulate large volumes of air at low speeds, making them ideal for expansive spaces. Their wide blades create a gentle, consistent airflow that ensures even temperature distribution and reduces energy consumption. These fans excel at destratification, helping to move warm air from the ceiling down to the lower levels, improving heating efficiency and worker comfort. In addition to temperature regulation, Giant Fans also help prevent moisture buildup, enhance air quality, and foster a healthier, more productive environment in industrial, commercial, and agricultural settings.

- Model: 14-EGIANT70
- Diameter: 7000 mm
- Motor: 0.665kW, 415V, 1.65FLA, IP65, Brushless motor-inverter with remote control
- Airflow: 850,000 m³/hr per fan
- Origin: High quality European sourced parts



Are you facing a similar challenge?

While there may be common issues, certain cases require individual approach. If you are still searching for a solution to your ventilation challenge, reach out to us today to discuss your unique requirements. With our expertise, we can offer tailored recommendations to meet your specific needs and guarantee optimal performance and safety in your facility.



To access comprehensive details including size, dimensions, motors and more for each ventilation solution, feel free to view our full range of product datasheets.

These datasheets can also be found on the resource page at www.fanquip.com.au



Scan the QR code above to discover the full range.

Contact us.

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