

Casaccio Egg Farm

Retrofit of 10 1250mm EC tunnel fans from ebm-papst bring peace of mind for farm manager



Technical data

Type	AF1250-001
ebm-papst Product	50 inch EC tunnel fan
Air flow	m ³ /h 49,191
Power consumption	W 1790
Number of fans	10

The fans are controlled through the AgriCool ventilation interface

Project

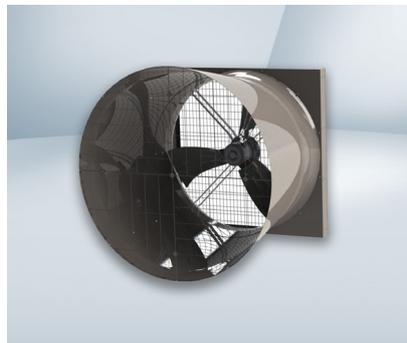


The Casaccio Egg Farm, near Terang, Victoria is operated under the careful eye of Farm Manager, Geoff O'Brien.

In 2016 one of the farm's old cross-ventilated grower sheds was converted to a new tunnel fan-ventilated cage layer shed. The shed upgrade utilises the latest in agricultural technology, such as the AgriCool shed ventilation system, and effective farming design to ensure high production outputs and bird health.

With a completely enclosed system, Geoff knows that his birds receive optimal climate control even in the harsh Australian conditions. Holding 40,000 birds in Zucami cages, the renovated shed with the complete AgriCool ventilation system provides a comfortable environment for the birds, promoting good laying conditions.

Application



Prior to the upgrade, Geoff had a series of ebm-papst stirring fans installed into the farm's free-range shed and was confident in the quality of product he would receive. The ventilation system and supporting agricultural and construction infrastructure was advised on and supplied by Agricultural Automation.

After crunching the numbers of shed size and air flow requirements, Christopher Hauck from ebm-papst was assured that he had the best solution for the retrofit. Ten EC direct drive 50 inch tunnel fans from ebm-papst were installed in the newly renovated shed. The ventilation interface works seamlessly alongside the main shed controller system, AgroLogic.

Benefits



With improved peace of mind, supported by the local technical support and backup systems, Geoff is able to focus on operating the farm rather than fixing equipment over the summer period while the birds in his newest shed live in comfort.

Through the ventilation interface, Geoff is able to accurately monitor and look back on how the system has been operating. An alert will be sent to Geoff and his second-in-command, Ash, should an issue occur, simultaneously triggering the backup system to start-up and provide adequate ventilation for the birds.

Geoff is especially impressed by the fans' low noise output, due to the direct drive motors and its soft-starting function, resulting in more comfortable and less startled birds.

The team at Casaccio Egg Farm love the new ebm-papst AgriCool shed ventilation system and are already looking at upgrading the remaining sheds with EC tunnel fans and the AgriCool system.