

AgriCool System Features

Standard – Advanced – Premium Packages

ebmpapst

The engineer's choice

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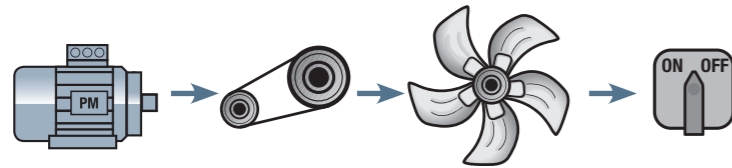
The engineer's choice



AgriCool System Features

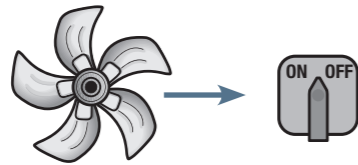
Conventional Belt Drive Fan

Fan running on (100%) or off (0%) only



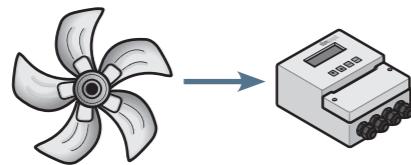
Standard - fan only

ebm-papst EC fan programmed to run at set speeds only (e.g. on / off)



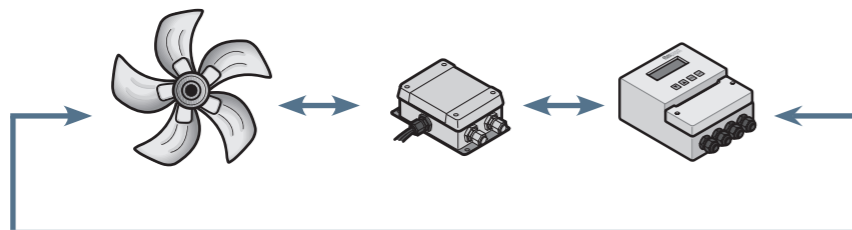
Advanced - speed controlled using existing shed controller

Infinite speed control allowing for accurate and smooth on-demand air flow control



Premium - complete ventilation system incl. AgriCool control interface

Continuous speed (rpm) feedback loop confirming desired fan speed with control system analysing all fans to ensure the air requirement is being delivered



AgriCool System Features

Conventional Belt Drive Fan

ebm-papst AgriCool

Feature	Description	Conventional Belt Drive Fan	ebm-papst AgriCool		
			Standard	Advanced	Premium
ON / OFF operation	Fan running ON (100%) or OFF (0%) only.	X	X		
PFC	Power Factor Correction inbuilt in the fan.		X	X	X
Soft start motor	No-inrush current reducing stress on the electrical system.		X	X	X
Variable speed control	Infinite speed control allowing for accurate and smooth on demand air flow control.			X	X
Speed monitoring	Continuous speed (rpm) feedback loop confirming desired fan speed is achieved.				X
Fail-safe-function	In case of controller or cable failure the fans can be programmed to run at a set speed to ensure ventilation at all times. (Note: fans can be individually programmed.)				X
Redundancy-safety-package	Control system is always analysing all fans to ensure the air requirement is being delivered. (i.e. If fan A is running at 300 RPM and is turned off or fails, fan B will automatically ramp up to 300 RPM).				X
Airflow monitoring	Control system is constantly analysing each fan to ensure the required air flow is met at all times.				X
Under ventilation alarm	If the required air flow is not achieved there will be an alarm (Note: individually programmable for the system).				X
Additional feedback	Hours of operation, power usage, airflow logging and error logging.				X
Operational diagnostics	Communication of all fan faults to AgriCool Interface in control room and/or directly to mobile.				X
Separate shutter control	Shutter open/close for increased redundancy (Note: shutters can be controlled individually).		optional	optional	X

