

Axis Controls

CONTROL PANELS & PLC AUTOMATION SYSTEMS

Manufacturers of Bespoke Electrical Control Panels



"We use Axis Controls for quality products and components. A reliable company that gives us confidence to deliver bespoke machines"



Quality is our No.1 priority



About us

Axis Controls are a UK based electrical control panel builder and systems integrator with UL 508A accreditation. For over a decade we have provided control panel solutions to OEMs, machine builders and a wide variety of industrial end users.

We strive to achieve the highest possible build quality. All control panels built by us are assembled to the highest standards and are fully compliant with the relevant British and European standards and directives.



Force Ventilation Fans

Force ventilation units are available in frame sizes 56 to 225 with a removable extended adaptor. These extended adaptors can be modified to suit all type of motors.

The diameter and the length; as well as side punching, special bores and hand release slots can be made according to customer requirements. Frame sizes up to 355 are available upon request.



Three Phase Force Vent Fans

Standard AC motors are cooled by an axially mounted fan at the non-drive end of the motor and are covered with a cowl. This design is ideal when the motor is operated at its optimum speed, as the fan rotates at the speed of the drive shaft.

However, with the rapidly increasing use of invertors or AC variable speeds drives, it is essential to use a system of force ventilation to deliver the required cooling across the body of the motor. Insufficient cooling will result in loss of output power, nuisance trips, and premature failure of the motor, resulting in production downtime.

Nearly all motor manufacturers offer their own force ventilation fans - but often as an very expensive extra.

Our solution is innovative and extremely cost effective in comparison, with huge savings to be made on the manufacturers' prices.

We stock Force Ventilation Fans suitable for the following motor manufactures;



Single Phase Force Vent Fans

Most standard AC induction motors have a cooling fan mounted at the non drive end of the motor shaft, covered by a fan cowl. The fan blade rotates at the same speed as the shaft. This fan provides optimum cooling performance when the motor is run at its standard design frequency of 50 or 60 Hz.



The single phase FV units are available in frame size 63 up to 132.

We also stock a range of extended force ventilation fan solutions, that allow space for a break and encoder system.

Specialists in...

- AV Variable Speed Drives
- DC Variable Speed Drives
- Safety Systems
- HVAC
- Pumping
- Temperature Controls
- Process Heating
- Liquid Level Control
- Winding & Slitting
- Servo Control Systems
- X-Y Positioning
- Pick and Place
- Linear Actuators
- Process Control Systems



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