



VLT® AutomationDrive FC 360

Dedicated drive for industrial applications in a compact, energy saving package.



The VLT® AutomationDrive FC 360 is a reliable, energy efficient and user-friendly solution placed in a price/performance sweet spot, making it a preferred choice for OEMs.

Designed to work in harsh and humid environments, the drive provides reliable operation in industries such as textile, plastic & rubber, metal work, material handling, food & beverage, and building materials.

The drive enables precise and efficient motor control of a wide range of industrial applications such as extruders, winders, conveyors, drawing benches, ring frame, texturizing, pumps, and fans.

The efficient cooling concept ensures there is no forced air over the printed circuit board, which improves reliability. Also, a removable fan makes

it possible to clean the inside of the drive quickly and easily, thereby reducing the risk of downtime.

FC 360 reduces initial costs and effort with a wide range of built-in features that simplify installation and commissioning, including an EMC filter, built-in brake chopper up to 22kW, and a user-friendly graphic LCP that supports English and Chinese.

A built-in DC choke reduces harmonics to less than 43% THiD, significantly extending the lifetime of the DC capacitors. Application selection guides enable users to set up common applications easily.

Product range

3 x 380 – 480 V 0.37 – 75 kW

Enclosure ratings

IP 20

450 kg

force at 0.6 Hz

The high torque performance of the 0.75 kW VLT® AutomationDrive FC 360 fully meets the demands of the tensile tester machine at Saumya Technocrates in India.

Feature	Benefit
Reliable	Maximum Uptime
Max ambient temp 50°C (up to 45°C without derating in normal operation)	Reliable operation in many environments
Coated PCB	Prepared for harsh environments
Unique cooling concept with no forced air flow over electronics	Unequalled robustness - maximum uptime
User friendly	Saves commissioning and operating cost
Graphic LCP supporting English and Chinese	Easy setup
Enhanced Numeric LCP	Easy setup
Application selection and guidance	Easy commissioning
Removable cooling fan	Fast cleaning and extended lifetime
Integrated DC choke	Small power cables, less harmonics
Built-in EMC filter	Meets class C3
Versatile	Energy saving
Automatic Energy Optimizer function	Saves 5-15% energy and reduces operation costs
Built-in PID controller	Eliminates external controller
Feed-forward PID	Higher stability for workbench
Kinetic backup	Controlled ramp down at mains fail can reduce material waste
Built-in brake chopper up to 22kW	Saves panel space and cost (no need to buy external braking chopper)

