

DRIVE WITH PLC

Suitable for motors from 180 W to 4 kW

The CFW300 variable speed drive from WEG with an integrated PLC provides optionally CANopen or Devicenet interface. The product is intended for small machines.



Typical applications include centrifugal and metering pumps, fans and ventilators, stirrers and mixers, extruders, roller conveyors, cutting machines as well as rotary filters (Photo: WEG)

“WEG is committed to boosting energy efficiency across a broad range of industrial applications and has launched the CFW300 to meet the needs of those sections of the market where the demand for inverters is growing, even when it comes to relatively small industrial applications,” said Johannes Schwenger from WEG’s European business unit. “With the addition of the CFW300 series to our existing range of drives, which include the CFW100 Mini Drives and the CFW500 VSD series, WEG now boasts a comprehensive VSD offering for industrial requirements.”

The CFW300 features an integrated PLC and a control panel with LCD display. The device has two slots for extension modules – one for communication and the other for I/O modules. The communication modules include CANopen and Devicenet units. Other accessories include a plug-in EMC filter, which can be connected to the device without tools or wiring and mounted on the top-hat rail.

Designed to operate at ambient temperatures up to +50 °C, the CFW300 is equipped with independently acting,

integrated thermal protection functions for the motor (electronic motor circuit breaker) and the drive. In addition, the drive has varnished circuit boards (IEC 60721-3-3, category 3C2), for enhanced corrosion resistance, which contributes to longer service life, while an optional flash memory card enables optimal storage and convenient loading of parameter data sets.

The drive system is initially available in frame size A for rated power from 180 W to 1,5 kW and frame size B for rated power from 2,2 kW to 4 kW. It will provide supply voltage flexibility with versions for single-phase and three-phase power. The single-phase version can also be powered directly from a DC supply connected to the DC link, in order to drive three-phase induction motors from a DC power source.

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