

# CFW300



## Variable Speed Drive

The CFW300 variable speed drive is a high-performance VSD for three-phase induction motors, ideal for applications on machines or equipment that require precise control and easy operation. It features compact size, contactor-style electrical installation, selectable WEG vector control (VVV) or scalar control (V/F), built-in operating interface (HMI), SoftPLC, free WPS programming software and plug-in accessories that may be added to provide extended functionalities, making it a flexible solution of excellent cost effectiveness.

### Flash Memory Module (CFW300-MMF Accessory)

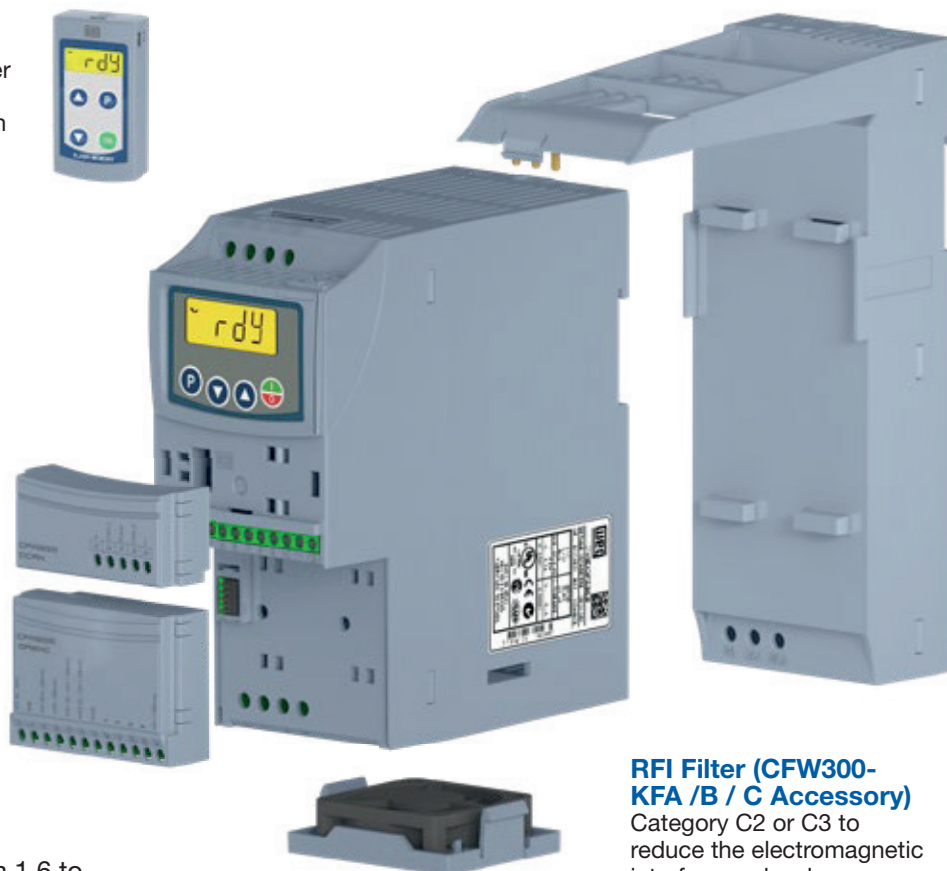
Downloads the original parameter setting to several other CFW300 variable speed drives, even when they are turned off



### 2 Slots for Function Expansion with Accessories

Slot for network communication and potentiometer module

Slot for input and output (I/O) expansion modules



### RFI Filter (CFW300-KFA /B / C Accessory)

Category C2 or C3 to reduce the electromagnetic interference level

### Easily Removable Fan

- Rated output current from 1.6 to 15.2 A, (0.25 HP / 0.18 kW to 10 HP / 7.5 kW) 100-127 V, 200-240 V or 380-480 V
- 4 PNP or NPN digital inputs, 1 relay output 0.5 A / 250 V ac, 1 analog input 0-10 V dc / 4-20 mA
- Built-in operating interface (HMI)
- SoftPLC
- Ethernet, RS485, RS232, CANopen, Profibus-DP, USB, Encoder, Infrared, Input and Output Expansion, RFI Filter



### Remote Operating Interface (HMI) (CFW300-KHMIR Accessory)

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- Packaging machines
- Kneading machines
- Conveyor belts
- Automatic condo or home garage gates
- Elevator doors
- Fans / Exhausters
- Centrifugal pumps
- Granulators
- Palletizers,
- Stirrers / Mixers
- Process dosing pumps
- Swimming pool or whirlpool bathtub pumps

### Configuration of the Plug-In Modules<sup>6)</sup>

Reference	Slots <sup>5)</sup>	Inputs			Outputs			Potentiometer	USB <sup>4)</sup>	Infrared sensors and NTC <sup>3)</sup>	Encoder <sup>2)</sup>	Network communication		
		Analog	Digital	Frequency	Analog	Digital / relay	Frequency					RS485	RS232	Other
CFW300-CRS485	Upper slot	-	-	-	-	-	-	-	-	-	-	1	-	-
CFW300-CRS232		-	-	-	-	-	-	-	-	-	-	-	1	-
CFW300-CCAN		-	-	-	-	-	-	-	-	-	-	-	-	CANopen or DeviceNet
CFW300-CPDP		-	-	-	-	-	-	-	-	-	-	-	-	Profibus-DP
CFW300-CUSB		-	-	-	-	-	-	-	1	-	-	-	-	-
CFW300-IOP		-	-	-	-	-	-	-	1	-	-	-	-	-
CFW300-CETH		-	-	-	-	-	-	-	-	-	-	-	-	Modbus-TCP
CFW300-IOAR	Lower slot	1	-	-	1	3	-	-	-	-	-	-	-	-
CFW300-IODR <sup>1)</sup>		-	4	-	-	3	-	-	-	-	-	-	-	-
CFW300-IOAENC		1	-	-	2	-	-	-	-	-	1	-	-	-
CFW300-IOADR		1	-	-	-	3	-	-	-	1	-	-	-	-
CFW300-IOADR-D		-	-	-	-	3	-	-	-	1	-	-	-	-
CFW300-IODF		-	-	3	-	-	3	-	-	-	-	-	-	-

Notes: 1) Configurable isolated digital inputs (NPN or PNP).

2) Incremental encoder (A/A - B/B), power supply of +5 V @ 100 mA for the encoder, maximum frequency of 400 kHz.

3) Remote control and battery included.

4) USB cable included.

5) Allows 1 plug-in module on the upper slot (network communication or accessibility) and 1 plug-in module on the lower slot (input/output expansion).

6) The standard version of the CFW300 already features 4 PNP or NPN digital inputs (configurable), 1 analog input 0-10 V dc / 4-20 mA and 1 relay output 0.5 A / 250 V ac.



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