CFW300 - Easy Drive

Variable Speed Drive

Start at Q3?

Enhance the experience of using a VSD and make your job easier with the new CFW300, a single-phase and three-phase variable speed drive suitable for induction motors from 0.18 kW to 4 kW (0.25 to 5 HP). It was designed to be easy to stock, install and operate, it also improves performance and brings full integration to your process.

SIMPLIFY
YOUR JOB,
MAKE IT **EASY**



Motor Power Range
0.18 to 4 kW (0.25 to 5 HP)

Characteristics

- **Display**
  Alphanumeric LCD available as standard
- **SoftPLC**
  PLC functions: flexible and optimized solution
- **PID Controller**
  Performance: controls pressure, flow or other process variable
- **USB**
  Plug-in module for a quick connection with a computer
- **RFI Filter**
  Footprint filter designed to commit the special applications
- **Communication Protocol**
  Modbus-RTU, CANopen, Profibus-DP, USB and DeviceNet by plug-in modules
- **Conformal Coating (Tropicalization) as Standard**
  Protects the electronic boards against corrosive atmospheres, thus increasing its lifetime

Flexibility



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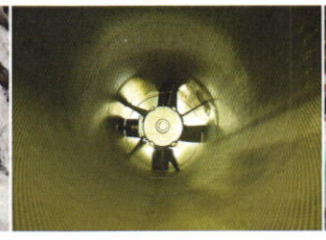
Variable Speed Drive

- Vector (VVW), V/Hz scalar and quadratic control.
- Free Windows® based software WPS. Designed for parameter setting, controlling and monitoring the CFW300.

Applications

- Centrifugal pumps
- Fans / Exhausters
- Process dosing pumps
- Lift doors
- Dryers
- Stirrers / Mixer
- Granulators / Palletize
- Rotary filters
- Roller tables
- Small handling applications






CFW300 Ratings

Power supply (V ac)		Variable speed drive - CFW300			Maximum motor power[1]			
		Model	Frame size	Rated current (A)	IEC		NEMA	
					kW		HP	
Single-phase	110-127	CFW300 A 01P6 S1	A	1.60	50 Hz - 220/230 V ac	0.25	60 Hz - 230 V ac	0.33
		CFW300 A 02P6 S1	A	2.60		0.55		0.75
		CFW300 A 04P2 S1	A	4.20		0.75		1
		CFW300 A 06P0 S1	A	6		1.50		1.50
	200-240	CFW300 A 01P6 S2	A	1.60		0.25		0.33
		CFW300 A 02P6 S2	A	2.60		0.55		0.50
		CFW300 A 04P2 S2	A	4.20		0.75		1
		CFW300 A 06P0 S2	A	6		1.50		1.50
		CFW300 A 07P3 S2	A	7.30		1.50		2
		CFW300 B 10P0 B2	B	10		2.20		3
Three-phase		CFW300 A 01P6 T2	A	1.60		0.25		0.33
		CFW300 A 02P6 T2	A	2.60		0.55		0.50
		CFW300 A 04P2 T2	A	4.20		0.75		1
		CFW300 A 06P0 T2	A	6		1.50		1.50
		CFW300 A 07P3 T2	A	7.30		1.50		2
		CFW300 B 10P0 B2	B	10		2.20		3
		CFW300 B 15P2 T2	B	15.20		4		5

Plug-In Modules

Plug-in module	Options									
	Slot	Input		Output		USB	Fieldbus communication			
		Analog[2]	Digital[2]	Analog	Digital relay[2]		Modbus-RTU	CANopen	DeviceNet	Profibus-DP
CFW300-IOAR	1	2	4	1	4	-	-	-	-	-
CFW300-IODR	1	1	8	-	4	-	-	-	-	-
CFW300-CUSB	2	1	4	-	1	1	-	-	-	-
CFW300-CRS232	2	1	4	-	1	-	Yes	-	-	-
CFW300-CRS485	2	1	4	-	1	-	Yes	-	-	-
CFW300-CCAN	2	1	4	-	1	-	-	Yes	Yes	-
CFW300-CPDP	2	1	4	-	1	-	-	-	-	Yes

Notes: 1) Use motor power ratings above only as a guidance. Motors are rated for 230 V ac @ 50 Hz, 4-pole. The right way to size a VFD is matching its output current with the rated motor current;
2) 1 analog input, 4 digital inputs and 1 relay output are available in the standard product.

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The values shown are subject to change without prior notice.