CFW100 - Mini Drive

Variable Speed Drive

Technology is at your fingertips with the incredible smallest volume VSD in the market. The CFW100 is a single-phase variable speed drive developed for simple applications ranging from 0.18 kW to 0.75 kW (0.25 to 1 HP). A strong partner for OEMs, it gives induction motors a selectable scalar (V/F) or voltage vector control (VVW), HMI and plug and play philosophy, with easy and fast installation and operation.

Motor Power Range
0.18 to 0.75 kW (0.25 to 1 HP)

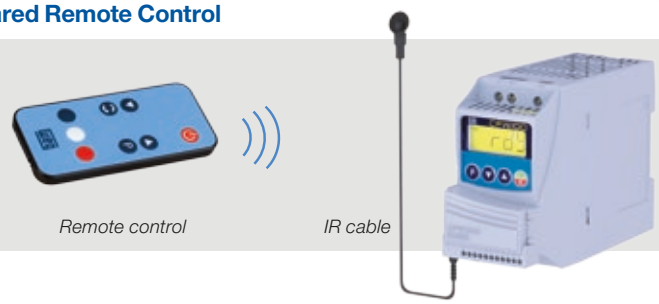
Characteristics

- **Robust**
  Overload current: 150% for 60 seconds
  Ambient temperature: up to 50 °C
- **SoftPLC**
  PLC functions: making it a flexible and optimized solution
- **PID Controller**
  Performance: changes in pressure, flow or other external data
- **Communication Protocol**
  Modbus-RTU and CANopen by plug-in modules
- **Conformal Coating (Tropicalization) as Standard**
  Increasing the lifetime, protecting the electronic boards against corrosive atmospheres. Classified as 3C2 according to IEC 60721-3-3

Bluetooth®

Plug-in module CFW100-CBLT

Infrared Remote Control



Remote control *IR cable*

Plug-in module CFW100 - IOADR

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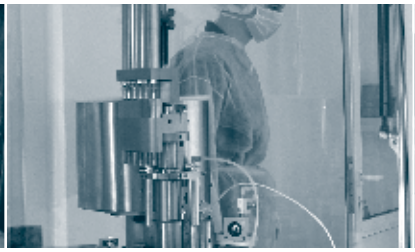
Variable Speed Drive

- Vector (VVW) and scalar (V/Hz) control
- Free Windows® based software Superdrive G2. Designed for parameter setting, controlling and monitoring the CFW100

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



Drive Ratings

Power supply (V)		Variable speed drive - CFW100 [1]			Maximum motor power [2]			
		Model	Size	Rated current (A)	IEC		NEMA	
					kW		HP	
Single-phase	230	CFW100A01P6S220	A	1.6	50 Hz - 220 V / 230 V	0.25	60 Hz - 230 V	1
		CFW100B02P6S220	B	2.6		0.55		1
		CFW100C04P2S220	C	4.2		1.1		1.5

Plug-in Modules Specification

Plug-in module	Options							
	Inputs		Output	USB	Bluetooth®	Infrared	Fieldbus communication	
	Analog	Digital	Digital relay				RS485	CANopen [3]
CFW100-IOAR	1	4	1	-	-	-	-	-
CFW100-CUSB	-	4	-	1	-	-	-	-
CFW100-CBLT	-	4	-	-	1	-	-	-
CFW100-IOADR	1	4	3	-	-	1	-	-
CFW100-CRS485	-	4	-	-	-	-	1	-
CFW100-CCAN	-	4	-	-	-	-	-	1

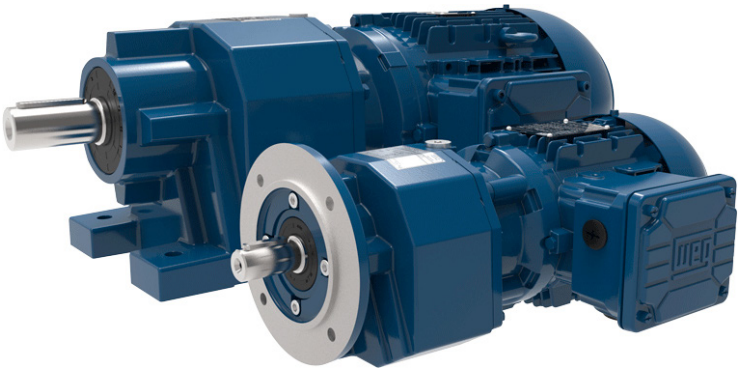
Notes: 1) CE and UL in progress;
2) Use motor power ratings above only as a guidance. Motors are rated for 220 V ac @ 50 Hz, 4-pole. The right way to size a VFD is matching its output current with the rated motor current;
3) Coming soon.

Remote operating interface (IHM) CFW100-KHMIR

Flash memory CFW100-MMF

Plug-in modules (check above table)

Cod: 50043082 | Rev: 02 | Date (m/y): 04/2014
The values shown are subject to change without prior notice.



Industrial Motors and Gears Limited

Tel. 01642 467999 | Mob. 07815 889460
Fax. 01642 467988
Email. sales@imag-uk.com
Web. www.imag-uk.com

The Quality Choice

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Registration Number 4293316.
VAT Registration Number 780154731.