

CFW500

DISAI
Automatic Systems



Variable Speed Drive

The CFW500 is WEG's latest VSD with advanced technology plug and play, providing OEMs and End Users great flexibility for competitive advantage while offering excellent performance and reliability. Food and Beverage, Textile, Printing, Plastic and Rubber are just a few of the many industries to excel by the value added from the CFW500.



One VSD Endless Possibilities



Motor Power Range
0.18 to 7.5 kW

Remote HMI
Simple and intuitive



Flash Memory
Saving up to 2 different settings

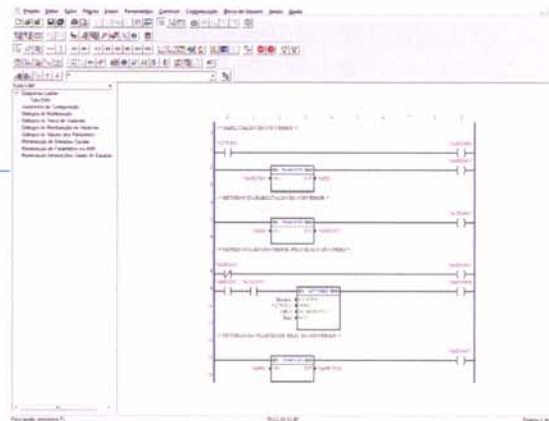


Plug-In Module
I/Os expansion
USB
CANopen
DeviceNet
Profibus-DP
RS485
RS232



Characteristics

- **Robust**
Overload current: 150% during 60 seconds
Ambient temperature: 50 °C
- **SoftPLC**
PLC functions: making it a flexible and optimized solution
- **Internal RFI Filter**
RFI Filter complying with IEC61800-3 Category C2 or C3 as optional
- **PID Control**
Performance: changes in pressure, flow or other external data
- **Conformal Coating as Standard**



Not necessary an external PLC.



CFW500

Variable Speed Drive



- Vector (V/W) and Scalar (V/Hz) control
- Free windows based software Superdrive G2. Designed for the programming, commanding and monitoring the CFW500
- Centrifugal pumps
- Compressors
- Process pumps
- Fans/Exhaust fans
- Mixers/Bottlers
- Washers/Driers
- Extruders
- Conveyor belts
- Elevators
- General machinery

Technical data and types

CFW500 - Variable Speed Drive					Maximum Motor Power ¹⁾		
Power Supply (V)	Model	Frame Size	Braking IGBT	Output Current (A)	Power Supply (V)	Rated Motor Power	
						HP	kW
Single-phase	230	A	N/A	1.60	230	0.34	0.25
				2.60		0.75	0.55
				4.30		1.00	0.75
				7.00		2.00	1.50
Single-phase or Three-phase	230	A	N/A	1.60		0.34	0.25
				2.60		0.75	0.55
				4.30		1.00	0.75
		B	Built-in	7.30		2.00	1.50
				10.00		3.00	2.20
Three-phase	230	A	N/A	7.00		2.00	1.50
				9.60		3.00	2.20
		B	Built-in	16.00		5.50	4.00
				24.00	7.50	5.50	
Three-phase	380-480	A	N/A	1.00	0.34	0.25	
				1.60	0.75	0.55	
				2.60	1.50	1.10	
				4.30	2.00	1.50	
				6.10	3.00	2.20	
				2.70	1.50	1.10	
		B	Built-in	4.30	2.00	1.50	
				6.50	4.00	3.00	
				10.00	5.50	4.00	
				14.00	7.50	5.50	
		C	Built-in	16.00	10.00	7.50	

Note: 1) Use motor power ratings below only as a guidance. Motors are rated for 400 V, 50 Hz, 4-pole. The right way to size a VFD is matching its output current with the rated motor current.

Configurations of plug-in modules ¹⁾

Plug-In Module	Functions											
	DI	AI	AO	DOR	DOT	USB	CAN	RS232	RS485	PROFIBUS	10 V	24 V
CFW500-IOS	4	1	1	1	1				1		1	1
CFW500-IOD	8	1	1	1	4				1		1	1
CFW500-IOAD	6	3	2	1	3				1		1	1
CFW500-IOR	4	1	1	4	1				1		1	1
CFW500-CUSB	4	1	1	1	1	1			1		1	1
CFW500-CCAN	2	1	1	1	1		1		1		1	1
CFW500-CRS232	2	1	1	1	1			1	1			1
CFW500-CRS485	4	2	1	2	1				2		1	1
CFW500-CPDP	2	1	1	1	1				1	1		1

Note: 1) Possible to install one module at a time per CFW500.



Grupo WEG - Automation Business Unit
 Jaraguá do Sul - SC - Brazil
 Phone: +55 47 3276 4000
automacao@weg.net
www.weg.net



www.disai.net

Tel.: 962 448 450