

# CFW500



## Frequency Inverter

Developed for speed control and variation of three-phase induction motors, the CFW500 frequency inverters, with their advanced design, offer excellent performance, flexibility and a great cost-benefit ratio. It can be connected to the main fast industrial communication networks, offering connectivity with the most commonly used protocols worldwide. The installation of the CFW500 is simple, and its intuitive configuration and operation allows navigation by means of menus on an operating interface (HMI) with built-in LCD display.



### Flexibility and Performance

**Easy-to-Remove Fan**  
Quick replacement system

**Flash Memory Module**  
Program download/upload

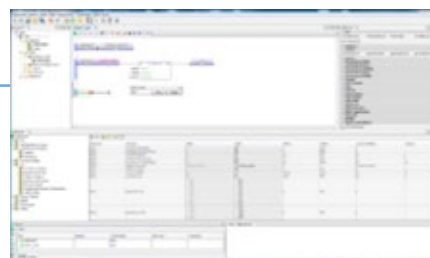
**Remote HMI**  
Simple and user-friendly

**Plug-in Safety Module**  
STO and SS1 functions

**Connectivity**  
Fieldbus:  
CANopen  
DeviceNet  
RS232  
RS485  
Profibus-DP  
EtherNet/IP  
Modbus-TCP  
PROFINET IO

#### Characteristics

- **High performance**  
Wide power range and high overload capacity
- **Innovative**  
WLP and WPS programming software applications available for download at [www.weg.net](http://www.weg.net)
- **Connectivity**  
USB communication modules and also for the main industrial networks, such as CANopen, DeviceNet, Profibus-DP, EtherNet / IP, PROFINET IO or Modbus-RTU



## Frequency Inverter

- Permanent magnet motor control: VVW PM
- PID controller for process control with process variable feedback
- Software applications dedicated to pumping - Pump Genius

- Extruders
- Conveyor belts
- Roller tables
- Fans/exhausters
- Centrifugal pumps
- Granulators
- Rotary filters
- Stirrers
- Winders
- Dosing pumps

- 1 CFW500 2 A 3 02P6 4 T 5 4 6 NB 7 20 8 C2 9 --- 10 --- 11 --- 12 --- 13 ---

### 1 - CFW500 frequency inverter

### 2 - CFW500 size, according to table 1 below

### 3 - Rated output current, according to table 1 below

Supply line	Single-phase (S)	Single-phase or three-phase (B)	Three-phase (T)		
	200 - 240 V ac	200 - 240 V ac	200 - 240 V ac	380 - 480 V ac	500 - 600 V ac
Voltage	01P6 = 1.6 A	01P6 = 1.6 A	07P0 = 7.0 A	01P0 = 1.1 A	
	02P6 = 2.6 A	02P6 = 2.6 A	09P6 = 9.6 A	01P6 = 1.6 A	
	04P3 = 4.3 A	04P3 = 4.3 A	16P0 = 16 A	02P6 = 2.6 A	
	07P0 = 7.0 A	07P3 = 7.3 A	24P0 = 24 A	04P3 = 4.3 A	
	07P3 = 7.3 A	10P0 = 10.0 A	28P0 = 28 A	06P1 = 6.1 A	01P7 = 1.7 A
	10P0 = 10.0 A		33P0 = 33 A	02P6 = 2.6 A	03P0 = 3.0 A
			47P0 = 47 A	04P3 = 4.3 A	04.3 = 4.3 A
			56P0 = 56 A	06P5 = 6.5 A	07P0 = 7.0 A
			77P0 = 77 A	10P0 = 10.0 A	10P0 = 10.0 A
			88P0 = 88 A	12P0 = 12.0 A	12P0 = 12.0 A
		0105 = 105 A			
		0145 = 145 A			
		0180 = 180 A			
		0211 = 211 A			

### 4 - Number of phases

S	Single-phase power supply
B	Single-phase or three-phase power supply
T	Three-phase power supply

### 5 - Rated voltage

2	200-240 V
4	380-480 V
5	500-600 V

### 6 - Internal dynamic braking

NB	Without internal dynamic braking IGBT
DB	With internal dynamic braking IGBT

### 7 - Protection rating

20	IP20 protection rating
N1	NEMA1 protection rating
66	IP66 (NEMA 4x) protection rating

### 8 - RFI filter

Blank	Without internal RFI filter
C2	With internal RFI filter - category 2
C3	With internal RFI filter - category 3

### 9 - Switch disconnecter<sup>2)</sup>

Blank	Without switch disconnecter
DS	With switch-disconnector

### 10 - Safety functions<sup>3)</sup>

Blank	Without safety functions
Y2	With safety functions (STO and SS1) according to EN 61800-5-2

### 11 - Special hardware versions - H xx

#### 11.1 - Plug-in module

Blank	With standard plug-in module
EC	Without plug-in module

### 12 - Special software version - S xx

Blank	Standard software
Sxx	Special software

### 13 - Generation

Blank	Generation 1
G2	Generation 2

Notes: 1) Other configurations available on request.

2) Only for IP66 version.

3) For all sizes the plug-in CFW500-SFY2 with the safety functions STO and SS1 can be used as an accessory and must be purchased separately. For further information, contact WEG Automation.



WEG Group - Automation Business Unit  
 Jaraguá do Sul - SC - Brazil  
 Phone: +55 47 3276 4000  
[automacao@weg.net](mailto:automacao@weg.net)  
[www.weg.net](http://www.weg.net)

