CFW500
IP66 protection rating

With a modern design, the CFW500 variable speed driv is an advanced technology device that offers excellent performance for applications requiring speed and torque control, in three-phase induction motors and permanent magnet motors.

The new version with IP66/NEMA type 4x protection rating increases the product robustness, ensuring protection against the ingress of dust and water jets from any direction, which allows its use and installation both indoors and outdoors. The new IP66 models of the CFW500 line have the following characteristics:

- Easy to use
- Built-in keypad
- Compact and robust
- Current range from 1.6 A to 33 A (0.25 HP to 12.5 HP) at 200-240 V; from 1.0 A to 31 A (0.25 HP to 20 HP) at 380-480 V; and from 1.7 A to 12 A (1.0 HP to 10 HP) at 500-600 V
- Indoor or outdoor installation
- Protected against dust and water jets
- Operating temperature from 0 °C to 40 °C
- Built-in braking IGBT in all models
- Models with optional built-in disconnect switch to isolate the power supply
- Models with internal RFI filter
- Control modes: Vector (sensorless and with encoder), V/F, VVW and VVW PM (voltage vector control for permanent magnet motors)
- Safety functions via accessory STO/SS1

In addition, the new models are fully compatible with the existing plug-ins of the CFW500 line.

Applications

Food and beverage

Pumping

Water and Wastewater

Cooling

Agriculture

Certifications[1)]

Note: 1) Check the availability of the certifications with WEG Automation's Sales department.

CFW500 with IP66 protection rating

Coding[1)]

1	2	3	4	5	6	7	8	9	10	11	12	13
CFW500	A	02P6	T	4	DB	66	C3	---	---	---	---	---

1 – CFW500 variable speed drive

2 – CFW500 size

3 – Rated output current, according to the table below:

Supply line	Single-phase (S)	Single-phase or three-phase (B)	Three-phase (T)		
Voltage	200-240 V ac	200-240 V ac	200-240 V ac	380-480 V ac	500-600 V ac
Current	01P6 = 1.6 A 02P6 = 2.6 A 04P3 = 4.3 A 07P3 = 7.3 A 10P0 = 10 A	01P6 = 1.6 A 02P6 = 2.6 A 04P3 = 4.3 A 07P3 = 7.3 A 10P0 = 10 A	16P0 = 16 A 24P0 = 24 A 28P0 = 28 A 33P0 = 33 A	01P0 = 1.0 A 01P6 = 1.6 A 02P6 = 2.6 A 04P3 = 4.3 A 06P5 = 6.5 A 14P0 = 14 A 16P0 = 16 A 24P0 = 24 A 31P0 = 31 A	01P7 = 1.7 A 03P0 = 3.0 A 04P3 = 4.3 A 07P0 = 7.0 A 10P0 = 10 A 12P0 = 12 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 – With internal dynamic braking IGBT[2)]

7 – IP66 protection rating (NEMA Type 4x)

8 – RFI suppressor filter

Blank	Without internal RFI filter
C3	With internal RFI filter – category 3

9 – Reserved

10 – Switch-disconnector

Blank	Without switch-disconnector
DS	With switch-disconnector

11 – Special hardware versions

11.1 – Plug-in module

Blank	With built-in IOS plug-in module
H00	Without plug-in module

11.2 – Coating for harsh environments

Blank	Class 3C2 – standard coating
EC	Class 3C3 – extra coating

12 – Special software version

Blank	Standard software
Sxx	Special software

13 – Generation

Blank	First generation
G2	Second generation

Notes: 1) Other configurations available on request.
2) Braking resistor not included.

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The values shown are subject to change without prior notice.