

CFW500 Series

Variable Speed Drive

new

With high performance, flexibility and simplicity in mind, the CFW500 has been designed to suit most industrial variable speed applications.



One VSD, Endless Possibilities

Plug-In Module	DI	AI	AO	DOR	DOT	RS-485	Fieldbus
No plug-in	0	0	0	0	0	0	-
CFW500-IOS	4	1	1	1	1	1	-
CFW500-IOAD	6	3	2	1	3	1	-
CFW500-CUSB	4	1	1	1	1	1	USB Port
CFW500-CCAN	2	1	1	1	1	1	CAN / DeviceNet
CFW500-CPDP	2	1	1	1	1	1	Profibus DP



Characteristics

- Suitable for single phase or three phase input
- Single-phase 200 to 240 V: 0.18kW to 2.2kW
 - Three-phase 380 to 480 V: 0.18kW to 7.5kW

Robust Design

- Overload current: 150% for 60s or 200% for 3s
- Conformal coating on electronic boards standard, as per EN 60068-2-60, for increased protection
- Internal RFI filter in compliance with AS 61800-3

Removable fan

- The cooling fan can be quickly removed and remounted for cleaning / replacement.

Flexibility

- A variety of plug-in modules
- SoftPLC built in for customized solutions

Simplicity

- Simple and intuitive HMI, navigation with menu structured parameters and guided start-up
- Flash memory module: Copy/Paste VSD programming with no power

HMI Options

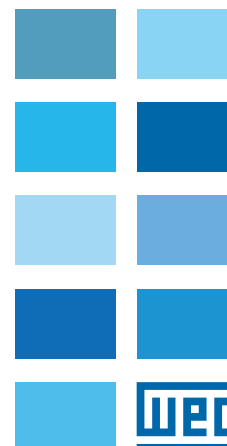
- Local control via built in keypad
- Remote IP54 Keypad optional



Ratings

Power Supply	Model	Output Current (A)	Motor kW ⁽¹⁾	Braking IGBT	Height [mm]	Width [mm]	Depth [mm]	Weight [kg]
Single-phase 200-240V	CFW500A01P6S2NB20C2	1.6	0.18	N/A	189	75	150	0.8
	CFW500A02P6S2NB20C2	2.6	0.37		189	75	150	0.8
	CFW500A04P3S2NB20C2	4.3	0.75		189	75	150	0.8
	CFW500A07P0S2NB20C3	7.0	1.5	Built-in	189	75	150	0.8
	CFW500B10P0S2DB20C2	10.0	2.2		199	100	160	1.2
	CFW500A01P0T4NB20C2	1.0	0.37		189	75	150	0.8
Three-phase 380-480V	CFW500A01P6T4NB20C2	1.6	0.75	N/A	189	75	150	0.8
	CFW500A02P6T4NB20C2	2.6	1.1		189	75	150	0.8
	CFW500A04P3T4NB20C2	4.3	1.5		189	75	150	0.8
	CFW500A06P1T4NB20C3	6.1	3.0		189	75	150	0.8
	CFW500B02P6T4DB20C2	2.6	1.1		199	100	160	1.2
	CFW500B04P3T4DB20C2	4.3	1.5		199	100	160	1.2
	CFW500B06P5T4DB20C2	6.5	3.0	Built-in	199	100	160	1.2
	CFW500B10P0T4DB20C2	10.0	4.0		199	100	160	1.2
	CFW500C14P0T4DB20C2	14.0	5.5		210	135	165	2.0
	CFW500C16P0T4DB20C2	16.0	7.5	Built-in	210	135	165	2.0

Note: 1) Suggested motor power ratings are based on 415 V, 50Hz, 4P, high efficiency motors. The correct way to size a VSD is by matching its output current with the rated motor current.



WEG offers a wide range of products to Start, Protect and Control your electric motor.

CW + RW - Contactor & Thermal Relay



Up to 800A / 440kW
Mini contactor up to 22A
Phase-Failure protection
Tripping Class 10

MPW - Motor Circuit Breakers



Up to 100A / 55kW
Thermal Protection
Magnetic Protection
13 x Iu Short-Circuit Release
Type1 / Type 2 Coordination

SRW01 - Smart Relay



Up to 840A / 450kW
Modular Design
Remote Keypad
Fieldbus Options
Soft-PLC

DLW/ESDW - Motor Starters

Totally Enclosed
IP65 - Plastic
DOLs up to 18.5kW
Star/Deltas up to 75kW
Thermal Overload



SSW07 - Soft Starter

Up to 412A / 250kW
3-Phase controlled
Built in by-pass
Quick and easy set-up
via trimpots
Keypad Options



SSW06 - Soft Starter

Up to 1400A / 2000kW
415V and 690V
Inside Delta connection
Built in by-pass up to 820A
Torque Control
Soft-PLC



CFW10 - VSD



Up to 10A / 2.2kW
1-Phase input – 240Vac
Heavy Duty: 150% for 60s
Speed Potentiometer
IP20

CFW500 - VSD



1-Phase: up to 10A / 2.2kW
3-Phase: up to 16A / 7.5kW
Heavy Duty: 150% for 60s
Plug-in Modules
Soft-PLC

CFW11 - VSD



Up to 720A / 400kW
415V and 690V
IP20
Normal and Heavy Duty
Soft-PLC
USB Port



CFW08 Wash IP66 - VSD

1-Phase: up to 10A / 2.2kW
3-Phase: up to 30A / 15kW
Heavy Duty: 150% for 60s
IP66 - Plastic



CFW11 IP54 - VSD

Up to 142A / 75kW
Hardware and firmware
identical to CFW11
IP54 - Metallic
Decentralized Control



AFW11 - VSD

Up to 2850A / 2,000kW
415V and 690V
Flexible design
Low harmonic Options
IP42 / IP54

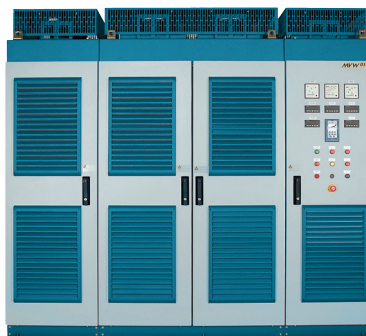


SSW7000 - Medium Voltage Soft Starter



560 to 3,600kW
3.3kV and 6.6kV
Complete solution
Mains disconnect with MV Fuses
Built-in by-pass contactor
Flexible torque control
IP41

MVW01 - Medium Voltage VSD



400 to 6,000kW
3.3kV and 6.6kV
6.5kV IGBTs
Plastic Film capacitors
Extractable power stacks
(with 5min replacement time)
Flexible input voltage
Flexible transformer options:
dry or oil (indoors or outdoors)
Rectifier configuration (AFE or
number of pulses) to suit application
IP41