

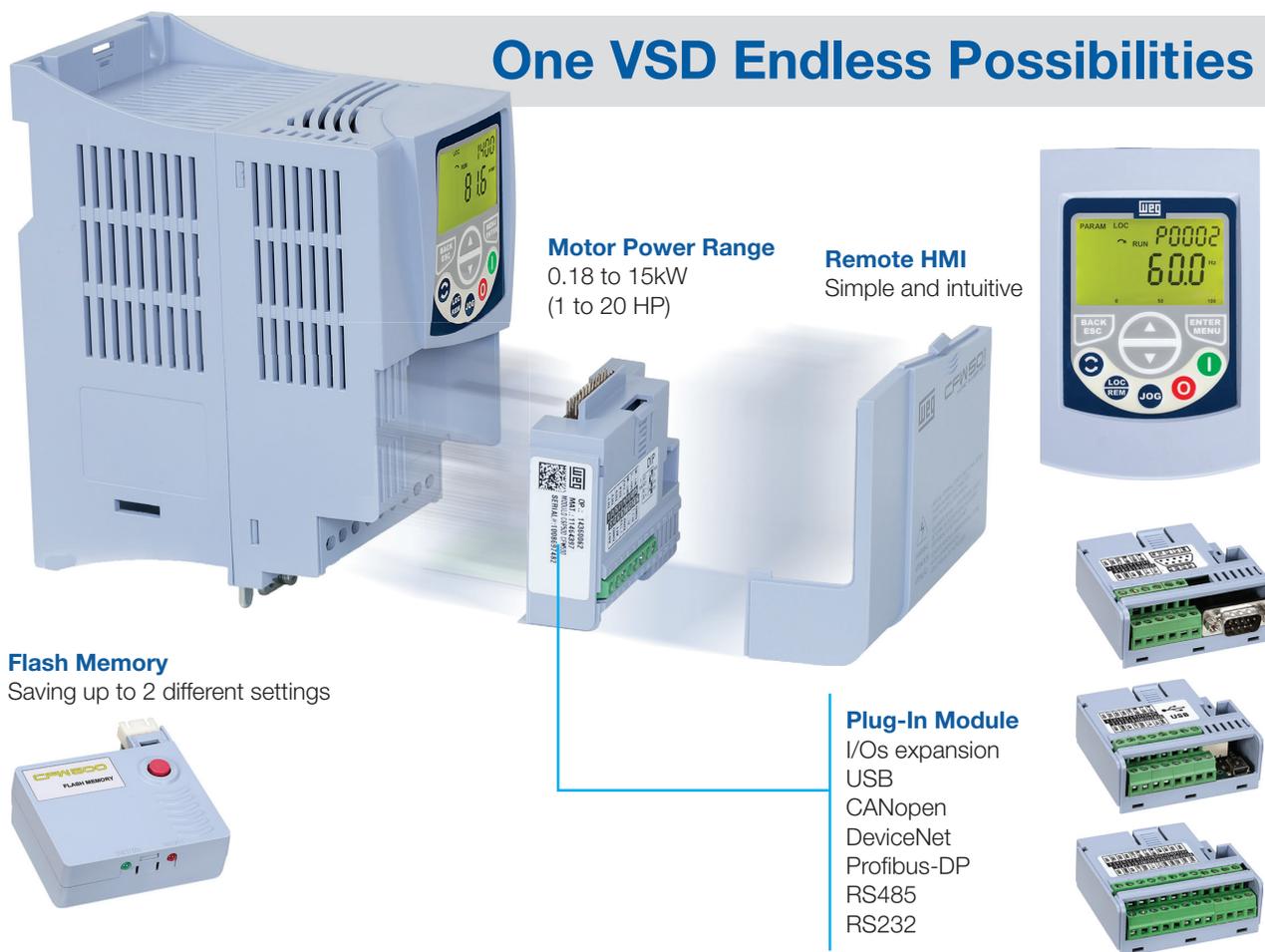
CFW500 IP66/NEMA Type 4x



Variable Speed Drive

The CFW500 has advanced technology plug and play options, developed for fast commissioning, providing great flexibility and competitive advantage while offering excellent performance and reliability. Designed for exclusively industrial or professional use, is perfect for OEM, system integrators, panel installers and End Users providing great benefit from the added value.

One VSD Endless Possibilities



Motor Power Range
0.18 to 15kW
(1 to 20 HP)

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

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

Features

- Protection Degree IP66 / NEMA Type 4X
- Indoor and outdoor use
- Humidity: 5% to 95% non-condensing
- Suitable for applications where they are exposed to dust, moisture or water jets;

CFW500

Variable Speed Drive



- Vector (V/W) and Scalar (V/Hz) control
- Free windows based software Superdrive G2. Designed for the programming, control and monitoring the CFW500

- Centrifugal pumps
- Compressors
- Process pumps
- Fans/Exhaust fans
- Mixers/Bottlers
- Washers/Driers
- Extruders
- Conveyor belts
- Elevators
- General machinery

- **Current range from 1,0 to 33 A in two frames (A and B)**
- **HD (Heavy Duty) overload class only**
- **Operating temperature from -10 to 40 °C without current derating.** For temperatures surrounding the inverter above 40 °C, up to a maximum of 50 °C, it is necessary to apply a 2 % current derating for each Celsius degree
- **Built-in braking IGBT:** All models have "DB" in the name

SIZE	POWER SUPPLY	CURRENT
A	S2: 200-240 Vac / 1 phase	1,6 – 10A
	B2: 200-240 Vac / 1 or 3 phases	1,6 – 10A
	T2: 200-240 Vac / 3 phases	16A
	T4: 380-480 Vac / 3 phases	1,0 – 10A
B	T2: 200-240 Vac / 3 phases	24 – 33A
	T4: 380-480 Vac / 3 phases	14 – 31A
	T5: 500-600 Vac / 3 phases	1,7 – 12A

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.



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