

CFW 10



Variable Frequency Drives

- 1/4 to 2HP 230V Single-phase input
- 1/4 to 1HP 120V Single-phase input



Transforming energy into solutions

CFW-10



The new WEG Digital CFW-10 VFD Series is an offspring of the very successful CFW-08 Plus. In addition to a very small, easily mounted package, simplified keypad and bright LED readout, complete diagnostics and fully programmable I/O, the CFW-10 controls three phase AC motors with a single phase AC input. Single phase 120V AC input voltage will produce three phase 230V to drive motors up to 1HP and single phase 230V AC will produce three phase 230V to drive motors up to 2HP. Increased flexibility and decreased costs are achieved by eliminating the need for a step-up transformer to operate three phase 230V AC motors when only single phase 115V is available. The CFW-10 is an economical solution to many industrial and commercial applications.

Standard Features

- V/Hz Control
- IP20 Finger-safe Enclosure
- Single-phase 110 - 127V input voltage up to 1HP
- Single-phase 200 - 240V input voltage up to 2HP
- 150% current overload capacity
- DSP controlled PWM output
- 2.5 - 15 kHz adjustable switching frequency
- Four isolated programmable digital inputs
- Programmable relay output
- One isolated programmable analog input
- Diagnostic features: Overcurrent, motor overload, drive over temperature, output short circuit, DC bus over and undervoltage and external fault
- Control features: Linear and "S" ramp acceleration and deceleration, local/remote control, DC braking, torque boost, motor slip compensation, electronic pot, preset speeds, maximum and minimum adjustable frequency limits, adjustable output current limit, JOG
- Display readings: Motor speed, frequency, voltage, current, last fault, heatsink temperature and drive status
- Ambient: 104°F (40°C), 3300 ft (1000m) altitude, 90% humidity, non-condensing

Applications

- Pumps
- Fans / Blowers
- Conveyors
- Rollout tables



KF2005.192

Motor HP and Voltage	AMPS	Catalog Number	Dimensions H x W x D	Weight	
230V Three Phase	INPUT POWER SUPPLY: SINGLE - PHASE 120V				
	1/4	1.6	CFW100016SAZ	5.2 X 3.8 X 4.8	2.0
	1/2	2.6	CFW100026SAZ	5.2 X 3.8 X 4.8	2.0
	1	4.0	CFW100040SAZ	6.3 X 3.0 X 5.2	3.3
	INPUT POWER SUPPLY: SINGLE - PHASE 230V				
	1/4	1.6	CFW100016SDZ	5.2 X 3.8 X 4.8	2.0
	1/2	2.6	CFW100026SDZ	5.2 X 3.8 X 4.8	2.0
	1	4.0	CFW100040SDZ	5.2 X 3.8 X 4.8	2.0
	2	7.3	CFW100073SDZ	6.3 X 3.0 X 5.2	3.3

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