



new



VFD040FP4EA-52



VFD450FP4EA-52

CFP2000 series - Drives for Fans and Pumps (IP55)

CFP2000 series designed with an industry leading IP55 enclosure to provide effective protection from dust and other particles and to offer a good level of protection from water. In addition, it includes many outstanding features and built-in functions that reduce setup and tuning time in operation while providing higher efficiency.

The CFP2000 is equipped with a built-in EMC filter and a DC choke. This design replaces the need for an electrical distribution cabinet and saves space for other devices, while providing the benefits of harmonic suppression and better power quality to the system.

Other outstanding features include support for both IM/PM motors, a real time clock, built-in 10K steps PLC capacity and various optional extension cards. The CFP2000 series integrates all of your needs into one drive. It is the friendliest and smartest choice available in the industry.

Applications:

- Designed for HVAC, fans & pumps and water treatment applications.

Standard: IEC 60721-3-3 class 3C3

- Protects PCB from gases such as salt, SO₂, O₃, H₂S and others to extend the product life when used in a water treatment application.

General features:

- DC Choke - IEC61000-3-12 standard
- Built-in EMC filter; IEC61800-3 C2, C1 standard
- Built-in PLC functionality 10K steps and Real Time Clock (RTC)
- Built-in Safe Torque Off (STO) SIL2 function and 2 sets of PID controller functions
- Built-in RS485 (MODBUS) and BACnet MS/TP, expandable with extension cards
- Enhanced PCB coating to IEC 60721-3-3 class 3C3 ensures reliability in harsh environments

type	motor rating	description	frame size	dimensions (mm)		
				(H)	(W)	(D)
VFD015FP4EA-52*	1.5kW	three phase AC motor drive	A-1	366	161	199
VFD022FP4EA-52*	2.2kW	three phase AC motor drive	A-1	366	161	199
VFD040FP4EA-52*	4.0kW	three phase AC motor drive	A-1	366	161	199
VFD055FP4EA-52*	5.5kW	three phase AC motor drive	A-1	366	161	199
VFD075FP4EA-52*	7.5kW	three phase AC motor drive	A-1	366	161	199
VFD110FP4EA-52*	11.0kW	three phase AC motor drive	B-1	491	216	229
VFD150FP4EA-52*	15.0kW	three phase AC motor drive	B-1	491	216	229
VFD185FP4EA-52*	18.5kW	three phase AC motor drive	B-1	491	216	229
VFD220FP4EA-52*	22.0kW	three phase AC motor drive	B-1	491	216	229
VFD300FP4EA-52*	30.0kW	three phase AC motor drive	C-1	630	282	265
VFD370FP4EA-52*	37.0kW	three phase AC motor drive	C-1	630	282	265
VFD450FP4EA-52	45.0kW	three phase AC motor drive	D0-1	680	308	307
VFD550FP4EA-52	55.0kW	three phase AC motor drive	D0-1	680	308	307
VFD750FP4EA-52	75.0kW	three phase AC motor drive	D2	770	370	335
VFD900FP4EA-52	90.0kW	three phase AC motor drive	D2	770	370	335

* Built-in Braking Chopper frame A, B, C up to 37kW

Accessories for CFP2000 series drives

EMC-D42A	4DI / 2DO	digital I/O extension card, selectable NPN/PNP, DC 24V
EMC-A22A	2AI / 2AO	analog I/O extension card, selectable 0-10V/4-20mA
EMC-R6AA	6 relay	relay output extension card

Fieldbus modules for CFP2000 series drives (plugs into drive)

CMC-EIP01	Ethernet	plug-in communication card	supports EtherNet/IP
CMC-DN01	DeviceNet	plug-in communication card	125kbp / 250kbps / 500kbps
CMC-PD01	Profibus-DP	plug-in communication card	9.6kbps - 12Mbps
EMC-COP01	CANopen	plug-in communication card	50kbps - 1Mbps
CMC-EC01	EtherCAT	plug-in communication card	10/100 Mbps Auto-Defect