



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 |