

October 2023

New Franklin Electric Variable Frequency Drives

Franklin Electric is pleased to announce the launch of the new CERUS X-Drive and Drive-Tech COMPACT variable frequency drives. The CERUS X-Drive and Drive-Tech COMPACT are the latest achievements in fully featured, reliable, and compact drive solutions for many industries and applications. Both drive models combining complex design, necessary for the most demanding applications in pump, HVAC and industrial markets, with the ease of an economic user-friendly variable speed controller.

CERUS X-Drive

- Wide performance range up to 250 kW
- Application-specific pre-sets for quick and easy startups
- State-of-the-art motor and pump protection features
- Multi segment digital removable display
- Bluetooth connectivity and Mobile App control
- Built-in DC choke for applications ≥ 37 kW
- Compact form-factor allows installation in smaller panel
- CE and UL approved



Drive-Tech COMPACT

- State of the art motor and pump protection features
- Factory-featured with Bluetooth 4.0 connectivity
- Remote control and support through Unyconnect Mobile app
- OLED digital user display
- Built-in dV/dt filtering for best motor protection
- Robust IP66 enclosure rating for harsh environments
- DC solar supply
- Direct wall mount and surface pump installation
- CE approved



APPLICATIONS



EASY INSTALLATION / REMOTE CONTROL / TROUBLESHOOTING / SUPPORT

- Real-time monitoring through Unyconnect and FE Connect Mobile App
- Remote Control, commissioning, and support by Franklin Electric Service Team*
- Fully accessible everywhere and any time**



** Access through cellular mobile network using Bridge-Mode on Drive-Tech COMPACT

* Cellular mobile network connection required

CERUS X-Drive GRID SUPPLY

| part no. | model | IP | V _{IN} [A] | I _{OUT} [A] | dimensions W x L x H [mm] | weight [kg] | frame size |
|-------------|--------------|----|---------------------|----------------------|------------------------------|----------------|------------|
| CXD-013A-4V | X-Drive 13A | 20 | 3x380-500 | 13 | 130 x 250 x 170 | 3 | A |
| CXD-018A-4V | X-Drive 18A | 20 | 3x380-500 | 18 | | | |
| CXD-024A-4V | X-Drive 24A | 20 | 3x380-500 | 24 | 190 x 320 x 190 | 5,5 | B |
| CXD-032A-4V | X-Drive 32A | 20 | 3x380-500 | 32 | | | |
| CXD-038A-4V | X-Drive 38A | 20 | 3x380-500 | 38 | | | |
| CXD-045A-4V | X-Drive 45A | 20 | 3x380-500 | 45 | 250 x 400 x 210 | 10 | C |
| CXD-060A-4V | X-Drive 60A | 20 | 3x380-500 | 60 | | | |
| CXD-073A-4V | X-Drive 73A | 20 | 3x380-500 | 73 | | | |
| CXD-091A-4V | X-Drive 91A | 20 | 3x380-500 | 91 | | | |
| CXD-110A-4V | X-Drive 110A | 20 | 3x380-500 | 110 | 330 x 680 x 275 | 27 | D0 |
| CXD-150A-4V | X-Drive 150A | 20 | 3x380-500 | 150 | | | |
| CXD-180A-4V | X-Drive 180A | 20 | 3x380-500 | 180 | | 40 | D |
| CXD-220A-4V | X-Drive 220A | 20 | 3x380-500 | 220 | 370 x 716 x 300 | 65 | E |
| CXD-260A-4V | X-Drive 260A | 20 | 3x380-500 | 260 | | | |
| CXD-310A-4V | X-Drive 310A | 20 | 3x380-500 | 310 | 420 x 950 x 300 | 87 | F |
| CXD-370A-4V | X-Drive 370A | 20 | 3x380-500 | 370 | | | |
| CXD-460A-4V | X-Drive 460A | 20 | 3x380-500 | 460 | 500 x 1240 x 397 | 135 | G |
| CXD-530A-4V | X-Drive 530A | 20 | 3x380-500 | 530 | | | |

DrivE-Tech COMPACT GRID SUPPLY

| DrivE-Tech COMPACT | part no. | V in +/- 15% [VAC] | V out [VAC] | I out [A] | P2 [kW]** |
|-----------------------|-----------|-----------------------|----------------|--------------|--------------|
| DTC 4.055 T/T 14A | 002150140 | 3 x 380-460 | 3 x 380-460 | 14,0 | 5,5 |
| DTC 4.075 T/T 18A | 002150180 | 3 x 380-460 | 3 x 380-460 | 18,0 | 7,5 |
| DTC 4.110 T/T 25A | 002150250 | 3 x 380-460 | 3 x 380-460 | 25,0 | 11 |
| DTC 4.150 T/T 30A | 002150300 | 3 x 380-460 | 3 x 380-460 | 30,0 | 15 |
| DTC 4.185 T/T 38A | 002150380 | 3 x 380-460 | 3 x 380-460 | 38,0 | 18,5 |
| DTC 4.220 T/T 44A | 002150440 | 3 x 380-460 | 3 x 380-460 | 44,0 | 22 |

DrivE-Tech COMPACT DC SOLAR SUPPLY

| DrivE-Tech COMPACT Solar | part no. | V in +/- 15% [VAC] | V in DC [VDC] | V out [VAC] | I out [A] | P2 [kW]** |
|-----------------------------|-----------|-----------------------|------------------|----------------|--------------|--------------|
| DTCS 4.055 MP | 002150141 | 3 x 380-460 | 850 | 3 x 380-460 | 14,0 | 5,5 |
| DTCS 4.075 MP | 002150181 | 3 x 380-460 | 850 | 3 x 380-460 | 18,0 | 7,5 |
| DTCS 4.110 MP | 002150251 | 3 x 380-460 | 850 | 3 x 380-460 | 25,0 | 11 |
| DTCS 4.150 MP | 002150301 | 3 x 380-460 | 850 | 3 x 380-460 | 30,0 | 15 |
| DTCS 4.185 MP | 002150381 | 3 x 380-460 | 850 | 3 x 380-460 | 38,0 | 18,5 |
| DTCS 4.220 MP | 002150441 | 3 x 380-460 | 850 | 3 x 380-460 | 44,0 | 22 |

** P2 [kW] typical motor power of asynchronous motor

For more information about the variable frequency drive, please refer to the catalog and see our website at franklinwater.eu.