A2

ISPsoft VFDsoft TPEditor 2 YEAR WARRANTY

C2000 series - High performance FOC *(Field Oriented Control)* AC motor drive

C2000 series AC motor drives provide most efficient solutions for all drive applications. They feature precise speed, torque and position control functions suitable for sensor or sensorless types of synchronous/asynchronous motors.

- High bandwidth control - Speed/torque/position control mode
- 4-quadrant torque control and limit for both synchronous and asynchronous motors
- Built-in DC reactor, EMC filter, brake unit, safe stop and PLC function *(10K steps)*
- Integrated Safe Torque Off (STO) SIL2/PLd compliance, offers high safety machine stop
- Accepts various PG *(encoder)*, I/O extension, relay extension and communication modules
- High-speed communication interface with built-in CANopen *(up to 30kW)* and MODBUS *(optional cards for others)*
- Enhanced PCB coatings (IEC 60721-3-3 class 3C2 standard) ensures drive operation in harsh environments


VFD150C43E


VFD220C43E


VFD370C63B-21

type	motor rating	description	frame size	dimensions (mm) (H)	(W)	(D)
Three - phase input 380 - 480V 50/60Hz						
VFD040C43E*	4.0kW	three phase AC motor drive	A	250	130	170
VFD055C43E*	5.5kW	three phase AC motor drive	A	250	130	170
VFD075C43E*	7.5kW	three phase AC motor drive	B	320	190	190
VFD110C43E*	11.0kW	three phase AC motor drive	B	320	190	190
VFD150C43E*	15.0kW	three phase AC motor drive	B	320	190	190
VFD185C43E*	18.5kW	three phase AC motor drive	C	400	250	210
VFD220C43E*	22.0kW	three phase AC motor drive	C	400	250	210
VFD300C43E*	30.0kW	three phase AC motor drive	C	400	250	210
VFD370C43S	37.0kW	three phase AC motor drive	D0	500	280	255
VFD450C43S	45.0kW	three phase AC motor drive	D0	500	280	255
VFD550C43A	55.0kW	three phase AC motor drive	D	550	330	275
VFD750C43A	75.0kW	three phase AC motor drive	D	550	330	275
VFD900C43A	90.0kW	three phase AC motor drive	E	589	370	300
VFD1100C43A	110.0kW	three phase AC motor drive	E	589	370	300
VFD1320C43A	132.0kW	three phase AC motor drive	F	800	420	300
VFD1600C43A	160.0kW	three phase AC motor drive	F	800	420	300
VFD1850C43A	185.0kW	three phase AC motor drive	G	1000	500	397
VFD2200C43A	220.0kW	three phase AC motor drive	G	1000	500	397
VFD2800C43A	280.0kW	three phase AC motor drive	H	1435	700	398
VFD3150C43A	315.0kW	three phase AC motor drive	H	1435	700	398
VFD3550C43A	355.0kW	three phase AC motor drive	H	1435	700	398
VFD4500C43A	450.0kW	three phase AC motor drive	H	1435	700	398
Three - phase input 525 - 600V *(up to 15kW)* **- 525 - 690V** *(from 22kW)* **50/60Hz**						
VFD037C53A-21*	3.7kW	three phase AC motor drive	A	250	130	170
VFD055C53A-21*	5.5kW	three phase AC motor drive	B	320	190	190
VFD075C53A-21*	7.5kW	three phase AC motor drive	B	320	190	190
VFD110C53A-21*	11.0kW	three phase AC motor drive	B	320	190	190
VFD150C53A-21*	15.0kW	three phase AC motor drive	B	320	190	190
VFD220C63B-21*	22.0kW	three phase AC motor drive	C	400	250	210
VFD300C63B-21*	30.0kW	three phase AC motor drive	C	400	250	210
VFD370C63B-21*	37.0kW	three phase AC motor drive	C	400	250	210
VFD550C63B-21	55.0kW	three phase AC motor drive	D	550	330	275
VFD750C63B-21	75.0kW	three phase AC motor drive	E	589	370	300
VFD900C63B-21	90.0kW	three phase AC motor drive	E	589	370	300
VFD1100C63B-21	110.0kW	three phase AC motor drive	E	589	370	300
VFD1320C63B-21	132.0kW	three phase AC motor drive	E	589	370	300
VFD1600C63B-21	160.0kW	three phase AC motor drive	F	800	420	300
VFD2000C63B-21	200.0kW	three phase AC motor drive	F	800	420	300
VFD2500C63B-21	250.0kW	three phase AC motor drive	G	1000	500	397
VFD3150C63B-21	315.0kW	three phase AC motor drive	G	1000	500	397

* *Built-in braking chopper frame A, B, C. Larger sizes DC choke built-in*

Note: *Voltage/Power derating chart for 525V applications, see* ***Annex 11***

PG cards for C2000 drives 300k pulse/sec. 5 VDC 50mA pulse output with frequency divide function

EMC-PG01L	PG card	5 VDC supply to encoder, line-drive (A,B,Z)	300k pulse/sec.
EMC-PG01O	PG card	5 or 12 VDC supply to encoder, open-collect	300k pulse/sec.
EMC-PG01U	PG card	5 VDC supply to encoder, line-drive (A,B,Z,U,V,W)	300k pulse/sec.

Note: *525V drives only supports PG cards in V/F controls*