


AC drive VersiDrive i 43C2+ [37 – 110kW] 4.05

Features:

- speed control, torque and bearing control
- induction motors, PM motors
- safe torque shutdown STO
- detachable operating unit
- max. rotating field frequency 599Hz
- integrated braking chopper
- degree of protection IP20
- integrated mains filter
- integrated MODBUS
- integrated CANopen
- replaceable fan



AC drive
VD i 43C2+ [37 – 110kW]
CE 

Function:

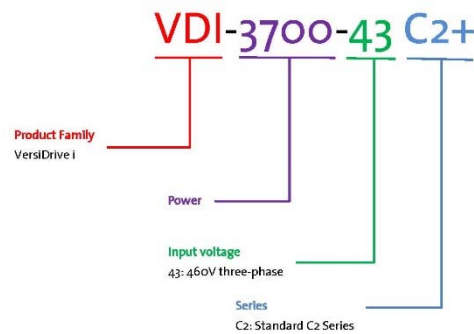
- control and setpoint entry via terminals, operating units and bus systems
- built-in PLC function
- potential-free control and signalling contact
- 4 motor parameter sets
- 150% overload for 60s
- PWM in-/output
- PI controller

Typical Application:

centrifuges, ventilators, pumps, conveying systems
grinding machines, woodworking machines
printing machines, packaging machines
textile machines, others

Options: (please see accessories)

- Profibus DP
- Modbus TCP/IP
- EtherNet/IP
- EtherCAT
- DeviceNet
- ProfiNET
- BACnet
- E/A extensions
- operating software

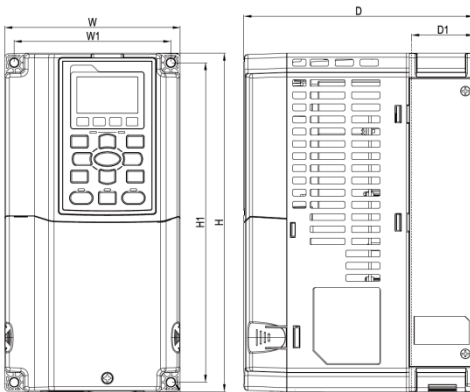


Typical designation	VD i ...-43C2+		VD i ...-43C2+			
	3700	4500	5500	7500	9000	11000
motor shaft power/kW	37	45	55	75	90	110
mains voltage according to DIN EN 50160 (IEC 38)	three-phase 380-480V, +10%, -15% 50/60Hz ±5%					
output rated current ND /A*	73	91	110	150	180	220
output rated current HD /A*	69	86	105	143	171	209
order number	2D204. 43037	2D204. 43045	2D204. 43055	2D204. 43074	2D204. 43090	2D204. 43110
recommended mains filter (class C1)	27114.48100		27114.48180			27114.48250

* HD – high duty, ND – normal duty

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control functions						
control methods	U/f, sensorless vector control					
frequency setting range	0-599Hz					
clock speed	2-15kHz					
starting torque	150% /0,5 Hz					
overload capacity	ND: 120% for 60sek; 160% for 3sek HD: 150% for 60sek; 180% for 3sek					
motor protection	overcurrent protection, overvoltage protection, overtemperature protection, phase failure protection					
specification of frequency setpoints	0 ... +10 V/-10 V ...+10 V, 4...20 mA/o...20mA, 1 pulse input					
ambient / storage temperature	-20 ... 40°C / -25 ... 70°C					
size	Do-1		D1		E1	
weight / kg	27 ± 1.5		38.5 ± 1.5		64.8 ± 1.5	

Dimensions:



Frame size	W	H	D
Do-1	280	500	255
D1	330	550	275
E1	370	589	300

All dimensions in mm

Connection Diagram:

