

AC drive VD i ... /43C2+ up to 30kW 4.07

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 075 ... 3000/43C2+
CE 

Function:

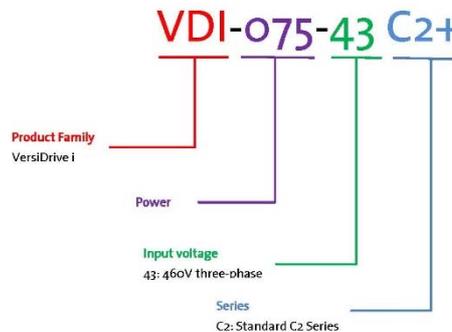
- ▣ control and setpoint entry via terminals, operating units and bus systems
- ▣ built-in PLC function
- ▣ potential-free control and signalling contact
- ▣ motor catch function
- ▣ PWM in-/output
- ▣ PI controller

Typical Applications:

- | | |
|-------------------|----------------------|
| centrifuges | ventilators |
| pumps | conveying systems |
| grinding machines | woodworking machines |
| printing machines | packaging machines |
| textile machines | |

Options: (please see accessories)

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

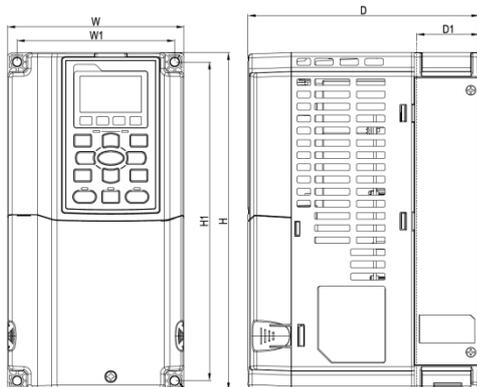


Typical designation	VD i ...-43C2+											
motor shaft power/kW	075	150	220	370	400	550	750	1100	1500	1850	2200	3000
mains voltage according to DIN EN 50160 (IEC 38)	three-phase 380-480V, +10%, -15% 50/60Hz ±5%											
output rated current ND /A*	3	4	6	9	10,5	12	18	24	32	38	45	60
output rated current HD /A*	2,9	3,8	5,7	8,1	9,5	11	17	23	30	36	43	57
order number	2D204. 43075	2D204. 43150	2D204. 43220	2D204. 43370	2D204. 43004	2D204. 43005	2D204. 43007	2D204. 43011	2D204. 43015	2D204. 43018	2D204. 43022	2D204. 43030
recommended mains filter (class C1)	27114.48006		27116.48016			27114.48030			27114.48055			27114. 48100

* HD – high duty, ND – normal duty

Technical data	VD i ...-43C2+											
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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/0...20mA, 1 pulse input											
ambient / storage temperature	-20 ... 40°C / -25 ... 70°C											
size	A				B				C			
weight / kg	2,6 ± 0,3				5,4 ± 1				9,8 ± 1,5			

Dimensions:



Frame size	W	H	D
A	130	250	170
B	190	320	190
C	250	400	210

All dimensions in mm

Connection Diagram:

