

AC drive VersiDrive i 3Pro [15 – 37kW] 4.11

Features:

- U/f-characteristics control
- open loop vector control (200% start torque)
- closed loop encoder control (plug-in)
- open and closed loop control for synchronous motors
- PTC-input
- max. rotating field frequency 500Hz
- safety stop according to IEC 61508 SIL2
- integrated braking chopper
- built-in DC reactor as standard
- integrated mains filter
- integrated Modbus RTU and CANbus
- OLED multi language text display
- degree of protection IP20



AC drive
VD i 3Pro [15 – 37kw]
CE c UL US LISTED

Function:

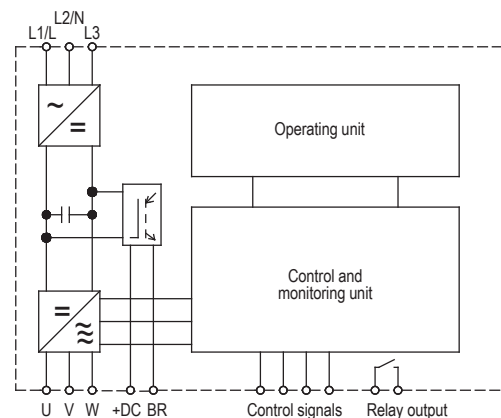
- control and setpoint entry via terminals, operating units and bus systems
- PWM clock frequency 4 - 32kHz
- sensorless speed and torque control
- potential-free control and signalling contacts
- 150% overload for 60s
- integrated PI controller
- detailed trouble check via parameter Po-13
- easy PLC functionality

Typical Application:

lifts and hoisting units, centrifuges, electric pumps
ventilators and fans, grinding machines
conveying systems, printing machinery
woodworking machines, textile machines
packaging machines, drive requiring high torque
others

Option: (please see accessories)

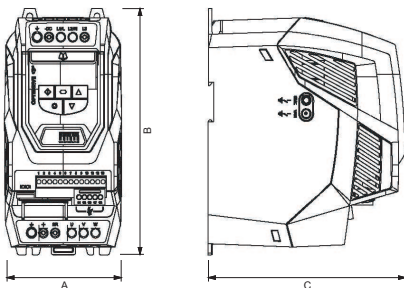
- remote control module
- additional input and output module
- RJ45-cable and cable splitter
- encoder extension module
- communication- and bus-plug-ins
- bluetooth-memory stick
- braking resistors
- software for parameterization and operating
- license key for PLC



Typical designation	VD i .../3Pro				
	1500	1850	2200	3000	3700
motor shaft power / kW	15	18,5	22	30	37
mains voltage according to DIN EN 50160 (IEC 38)	three-phase 380-480V ± 10% 48-62Hz				
output current / A	30	39	46	61	72
order number: 2100. ...	40015	40018	40022	40030	40037
recommended mains filter order number	27114.48055			27114.48100	

Technical data	VD i ... /3Pro				
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mains voltage according to DIN EN 50160 (IEC 38)	three-phase 380-480V $\pm 10\%$ 48-62Hz				
output current / A	30	39	46	61	72
peak current for 1min / A	45	59	69	91	108
control functions					
frequency setting range	0 – 500Hz				
torque boost	boost (U/f) adjustable via parameter setting; open loop vector control				
ramp-up and ramp-down time	0 ... 300s				
frequency setpoint	potentiometer $\geq 1k\Omega$, 0-10V, 4-20mA, keypad, fixed frequencies, motor potentiometer, Modbus RTU, CANbus				
ambient / storage temperature	-10 ... 50°C, -40 ... 60°C				
design size	4				5
weight / kg	11				12,1

Dimensions:



size	A	B	C
4	160	418	240
5	222	486	260

All dimensions in mm

Connection Diagram:

