



200 - 240 V Single-Phase  
0.1 kW to 3.0 kW

380 - 480 V Three-Phase  
0.2 kW to 18.5 kW

## V1000 IP66 Compact Vector Drive in IP66 protection class

Decentralized solution for variable speed and simple positioning applications without cabinet with the proven reliability of the V1000 Inverter. Perfect for wet and dusty working environments that are cleaned with water streams.

### Characteristics

- ▶ All features known from standard V1000
  - Control Modes: V/f, V/f with speed feedback, open loop vector for induction and permanent magnet motors
  - Screwless control terminals
  - Dual rating (Heavy/Normal duty) for operation of one size larger motor
  - DriveWorksEZ – integration of PLC functionality using easy graphic programming
- ▶ Two enclosure versions
  - Built in oversize LED operator panel – For best readability and handling with gloves
  - Blank face plate, RJ45 connector for external operator connection
- ▶ Adding additional components possible within the enclosure
- ▶ Integrated class C1 EMC filter
- ▶ Ready-to-mount solution

### Benefits

- ▶ Easy installation and wiring
- ▶ No need for costly enclosures against dust, water, oil or other environmental stress

### Applications



Water treatment



Winder



Ceramic market



Conveyor



Hoist



## Standard Specifications

CANopen

Modbus®

MECHATROLINK



CC-Link

PROFINET

PROFINET

EtherCAT®

DeviceNet

EtherNet/IP

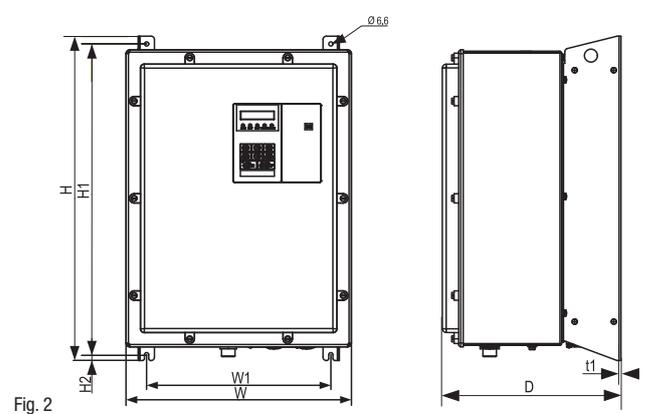
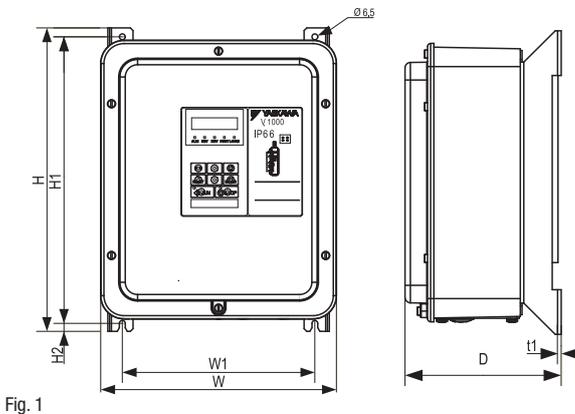
### Inputs

- ▶ 6 Multi-function inputs, programmable NPN / PNP logic (sink / source)
- ▶ 2 Multi-function analogue inputs  
1x 0 ... 10 V, 1x 0 ... 10 V / 4 ... 20 mA  
Switch selectable
- ▶ 1 Pulse train input  
0.5 ... 32 kHz, 5 ... 24 V

MEMOBUS/Modbus, RS232, USB, RS422/RS485 up to 115.2 kBaud, Termination resist. (120 Ω) switchable

### Outputs

- ▶ 1 Pulse train output  
0 ... 32 kHz
- ▶ 1 Analogue output, programmable 0 ... +10V / 2mA, res. 1/1000
- ▶ 2 Photo-coupler outputs, programmable Max. 48 VDC / 2 ... 50 mA
- ▶ 1 Change relay out, programmable 30 VDC, 250 VAC, 10 mA ... 1A



Drive model	CIMR-VC □□□□□□HAA - 0080 (LED operator) CIMR-VC □□□□□□HAA - 0081 (Blank face)	Rated output in kW at ND (HD)*	Figure	Dimensions in mm						
				W	H	D	W1	H1	H2	t1
BA0001 – BA0012		0.2 (0.1) to 3.0 (2.2)	Fig. 1	262	340	173.5	214	321	9	2
4A0001 – 4A0011		0.37 (0.18) to 5.5 (4.0)								
4A0018 – 4A0038		7.5 (5.5) to 18.5 (15.0)	Fig. 2	345	500.5	273.5	282	458.5	10	2

\*HD (Heavy Duty), ND (Normal Duty)