

Technical Data

Accessories >

> Vacon Series 100 Flow Inverter



DESCRIPTION:

Application

- Inverter dedicated to the improvement of flow control in building automation applications relating to drinking and waste water

Features

- IP54 / UL type 12 certified protection (IP21 and IP66 on request)
- Dedicated functions created specifically for use in applications on pumps and fans
- PID control as standard allows pump speed to be controlled via sensors, without external controllers, to respond to fluctuations in demand
- The startup wizard and configuration menu can be activated via the control panel or by using the VACON Live tool for online programming of inverters on a PC
- The connection to the existing control system is via an integrated Ethernet interface that allows you to communicate with the process automation systems without additional options or gateways.
- VACON 100 FLOW inverters use a plastic film DC link technology, without electrolytic capacitors, ensuring a prolonged life cycle. Not having to replace the electrolytic capacitors, which over time often wear out, interruptions and costs are kept to a minimum

| Code | Load capacity A | | Maximum current I_s | Motor power overload 10% at 40 ° C | | Dimensions mm L x H x P | Weight Kg |
|--------|---|-------------------------|--------------------------|------------------------------------|-----|----------------------------|--------------|
| | Direct current I_L | Current of overload 10% | | Kw | Hp | | |
| EIV214 | 3,4 | 3,7 | 5,2 | 1,1 | 1,5 | 128 x 328 x 190 | 6 |
| EIV215 | 4,8 | 5,3 | 6,8 | 1,5 | 2 | 128 x 328 x 190 | 6 |
| EIV216 | 5,6 | 6,2 | 8,6 | 2,2 | 3 | 128 x 328 x 190 | 6 |
| EIV205 | 8,0 | 8,8 | 11,2 | 3,0 | 4 | 128 x 328 x 190 | 6 |
| EIV217 | 9,6 | 10,6 | 16,0 | 4,0 | 5 | 128 x 328 x 190 | 6 |
| EIV203 | 12,0 | 13,2 | 19,2 | 5,5 | 7,5 | 128 x 328 x 190 | 6 |
| EIV207 | 16,0 | 17,6 | 24,0 | 7,5 | 10 | 144 x 419 x 214 | 10 |
| EIV208 | 23,0 | 25,3 | 32,0 | 11,0 | 15 | 144 x 419 x 214 | 10 |
| EIV218 | 31,0 | 34,1 | 46 | 15,0 | 20 | 144 x 419 x 214 | 10 |
| EIV219 | 38,0 | 41,8 | 62 | 18,5 | 25 | 195 x 557 x 229 | 20 |
| EIV220 | 46,0 | 50,6 | 76 | 22,0 | 30 | 195 x 557 x 229 | 20 |
| EVR309 | MBS 3000 pressure transducer - 0 ÷ 6 bar | | | | | | |
| EVR302 | MBS 3000 pressure transducer - 0 ÷ 16 bar | | | | | | |
| EVR317 | MBS 1900 pressure transducer - 0 ÷ 10 bar | | | | | | |
| EVR318 | MBS 1900 pressure transducer - 0 ÷ 16 bar | | | | | | |

Mains supply voltage: 380 - 500 V, 50/60 Hz, three-phase

> Inverter Sinusoidal Filters

| Code | Description | |
|--------|---|--|
| EVR361 | DW/DT sinusoidal filters 16A 520V AC 0-100Hz 7kW | |
| EVR362 | DW/DT sinusoidal filters 33A 520V AC 0-100Hz 16kW | |
| EVR360 | DW/DT sinusoidal filters 3A 520V AC 0-100Hz 22kW | |

Note: application is recommended for >70 mt pump/inverter distances

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> Series Coelbo Inverter



DESCRIPTION:

Application

- Frequency variator for pump management

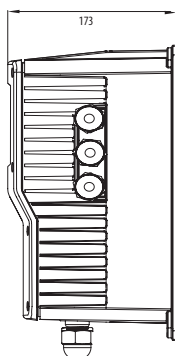
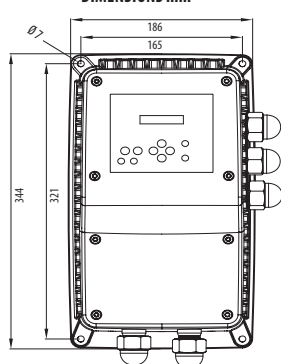
Features

- ART function (Automatic reset Test): when the device is disconnected due to the intervention of the protection system due to lack of water, the ART tries, with a programmed periodicity, to connect the device until the water supply is restored
- Automatic reset system after accidental interruption of the power supply; the system starts up keeping the configuration parameters
- Switched potential free contact to monitor the alarm originating from system irregularities or problems indicated on the screen; its use is for single-phase input
- Minimum level control: the Speedbox has an input that deactivates the pump as soon as it receives the signal from a float
- STC function (Smart Temperature Control): when the temperature of the electronic board exceeds 85°C, the rotation frequency of the electric pump automatically decreases, decreasing the generation of heat and maintaining the supply of water
- Control panel and LCD screen
- External pressure transducer that can be ordered separately 0 ÷ 10 bar or 0 ÷ 16 bar with 4-20 mA input.
- Current intensity sensor with instant digital reading
- Operational control register with information on the screen of: hours of work, counter of starts, counter of connections to the electricity grid
- Alarm log with information on the screen of the number and type of alarms generated by the activation of the device
- Possibility of intervention on the PID
- Aluminum heat exchanger and natural or forced convection heat dissipation, depending on the model
- Optional magnetic circuit breaker
- EMC residential class C1 or C2

TECHNICAL FEATURES

| Model | 1112 MM | 1309TT - 1314TT |
|-----------------------------|---------------------------------|---------------------------------|
| Supply voltage | ~1 x 230 Vac | ~3 x 400 Vac |
| Frequency | 50/60 Hz | 50/60 Hz |
| Outlet | ~1 x 230 Vac | ~3 x 400 Vac |
| Maximum intensity | 12 A | 5 A - 9 A - 14A |
| Maximum peak of intensity | 20% 10" | 20% 10" |
| Delivery pressure range | 0,5 ÷ 16 bar | 0,5 ÷ 16 bar |
| Protection class | IP55 | IP55 |
| Transducer entry | 4-20 mA | 4-20 mA |
| Maximum ambient temperature | 50 °C | 50 °C |
| Net weight | 3,5 kg | 4,5 kg |
| Cooling system | Forced convection i/o: ~1/~1 | Forced convection i/o: ~3/~3 |

DIMENSIONS mm



| Code | Description | |
|--------|---|--|
| EIV707 | Inverter Speedbox sub 1112 mm - 1,5 Kw - 12 A | |
| EIV708 | Inverter Speedbox 1309 tt - 3 Kw - 9A | |
| EIV709 | Inverter Speedbox 1314 tt - 5,5 Kw - 14A | |

| Code | Description | |
|--------|--|--|
| EPS140 | Electronic pump regulator Switchmatic 2 | |
| EPS141 | Three-phase electronic pump regulator Switchmatic 2t | |
| EQE420 | Single-phase Switchmatic 2 electric panel | |