

# > E-VSD



## VARIABLE SPEED DRIVE

Controller that continuously adapts the electrical power supplied to the motor in order to regulate the ow rate through the control panel interface CP-RH or CP-AQS

## CHARACTERISTICS

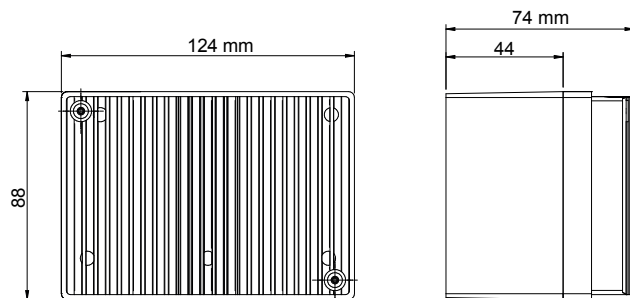
Supply: 220 - 240 Vac ; 50/60Hz.

Maxim un Power: 300 W

W a terproof: IPX4

Main materials: Aluminium cover

Selfextinguishing casing (UL - 5VA) for surface mounting installation



# > CONTROL PANEL



CP-RH



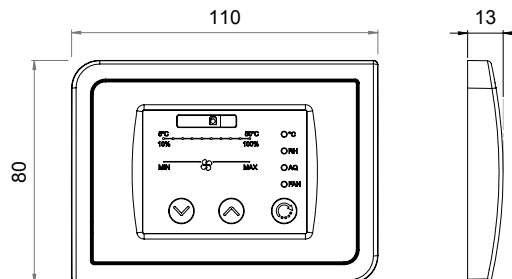
CP-AQS

## CHARACTERISTICS

### Control panel:

Measures a set of (control) parameters representative of the ventilation demand / quality of the indoor air.

Interface with E-VSD controller.



| FUNCTION:                   | CP-RH | CP-AQS |
|-----------------------------|-------|--------|
| Temperature control         | ●     | ●      |
| Relative humidity detection | ●     | ●      |
| Air quality control         |       | ●      |
| Continuous Speed Regulation | ●     | ●      |

# > INVERTER E FILTRI DI LINEA

## Inverters and line filters



### DESCRIZIONE

- VSD - Convertitori di frequenza.
- Controllo SPWM.
- Filtro EMI integrato.
- Parametri di funzionamento impostabili.
- Interfaccia MODBUS RS485 a richiesta protocolli DeviceNet, Profi bus, LonWorks, CANopen.
- Installabili a parete, barra DIN opzionale.

**VFD "EL":** Tastiera con potenziometro incorporata non removibile.

**VFD "E":** PLC integrato. Tastiera con potenziometro removibile ideale per installazioni multiple con unica programmazione gestibile a distanza con cavo 5 mt max opzionale disponibile su richiesta. Vano predisposto al montaggio di schede d'espansione.

### DESCRIPTION

- VSD - Variable Speed Drive.
- SPWM Control
- Integrated EMI filter
- Settable operation functions
- Interface MODBUS RS485. Upon request DeviceNet, Profi bus, Lon Works, CANopen protocols
- Wall installation, optional DIN bar

**VFD "EL":** Keypad with incorporated fixed potentiometer.

**VFD "E":** Integrated PLC. Keypad with removable potentiometer, ideal for multiple installations with a unique and remote-manageable programming (a cable of 5 mt max. length is available upon request). Mounting port for extension card available.

| Codice   | Modello             |
|--|---------------------|
| <b>Ingresso MONOFASE</b> (230V-1Ph-50/60Hz) / <b>Uscita TRIFASE</b> (230V-3Ph)<br><i>Input SINGLE-PHASE (230V-1Ph-50/60Hz) / Output THREE-PHASE (230V-3Ph)</i> |                     |
| 11N1670  | VFD-EL M 0,4KW 2,7A |
| 11N1671  | VFD-EL M 0,7KW 4,9A |
| 11N1672  | VFD-EL M 1,5KW 9A   |
| 11N1673  | VFD-EL M 2,2KW 15A  |
| <b>Ingresso TRIFASE</b> (400V-3Ph-50/60Hz) / <b>Uscita TRIFASE</b> (400V-3Ph)<br><i>Input THREE-PHASE (400V-3Ph-50/60Hz) / Output THREE-PHASE (400V-3Ph)</i>   |                     |
| 11N1674  | VFD-EL T 0,4KW 1,5A |
| 11N1675  | VFD-EL T 0,7KW 2,5A |
| 11N1676  | VFD-EL T 1,5KW 4,2A |
| 11N1677  | VFD-EL T 2,2KW 5,5A |
| 11N1678  | VFD-EL T 3,7KW 8,2A |

| Codice   | Modello            |
|--|--------------------|
| <b>Ingresso MONOFASE</b> (230V-1Ph-50/60Hz) / <b>Uscita TRIFASE</b> (230V-3Ph)<br><i>Input SINGLE-PHASE (230V-1Ph-50/60Hz) / Output THREE-PHASE (230V-3Ph)</i> |                    |
| 11N1679  | VFD-E M 0,4KW 2,7A |
| 11N1680  | VFD-E M 0,7KW 4,9A |
| 11N1681  | VFD-E M 1,5KW 9A   |
| 11N1682  | VFD-E M 2,2KW 15A  |
| <b>Ingresso TRIFASE</b> (400V-3Ph-50/60Hz) / <b>Uscita TRIFASE</b> (400V-3Ph)<br><i>Input THREE-PHASE (400V-3Ph-50/60Hz) / Output THREE-PHASE (400V-3Ph)</i>   |                    |
| 11N1683  | VFD-E T 0,4KW 1,5A |
| 11N1684  | VFD-E T 0,7KW 2,5A |
| 11N1685  | VFD-E T 1,5KW 4,2A |
| 11N1686  | VFD-E T 2,2KW 5,5A |
| 11N1687  | VFD-E T 3,7KW 8,5A |
| 11N1688  | VFD-E T 5,5KW 13A  |
| 11N1689  | VFD-E T 7,5KW 18A  |
| 11N1690  | VFD-E T 11KW 24A   |
| 11N1691  | VFD-E T 15KW 32A   |
| 11N1692  | VFD-E T 18,5KW 38A |
| 11N1693  | VFD-E T 22KW 45A   |