

# SITALI CX 280 S1

## Double flow centralised HRV

Compatible with:  
**SiOS**  
CONTROL



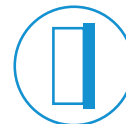
### INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



### VERTICAL INSTALLATION

Suitable for wall installation in a vertical position.



### MANUAL OR AUTOMATIC CONTROLS

Sitali CXVA 280 features a multi-function control panel with LCD display (see image on the side). Sitali CXVM 280 does not have controls and must be combined with an S-type control (simplified, one of codes B1061, B1062, B1063).



### FEATURES

- External frame made of pre-coated RAL 9010 galvanized steel.
- Internal structure made of expanded polypropylene to reduce thermal bridges, noise emission and to ensure maximum seal.
- Energy-efficient external rotor EC motors. Featuring thermal protection and mounted on long-lasting ball bearings.
- Ultra-quiet and high-performance, balanced centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- Simplified electrical connection: the unit is supplied pre-wired.
- Removable front panel for access to the filters and exchanger.
- Supplied with easily removable ISO Coarse 60% (G4) filters. ISO ePM1 55% filter (F7) on request.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensation drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

### OPERATION

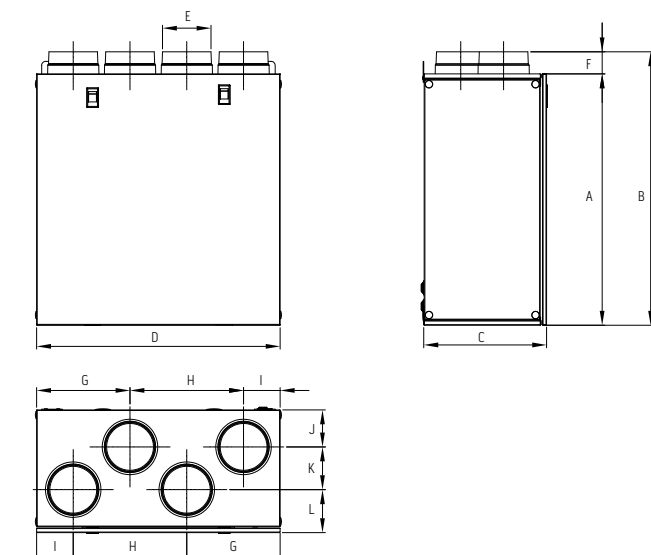
#### Version with CXVA 280 automatic control

- 3-speed setting and selection.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- By-pass control
- Air flow balancing.
- Filter maintenance and fault indicator.
- Hour count indicator
- Settings savings and uploading.
- Connection to remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Connection to water heating coil

#### Version with CXVM 280 manual control

- Three-speed operation with simplified external S-type control, which also allows manual activation of the bypass.

### LAYOUT, DIMENSIONS, WEIGHT



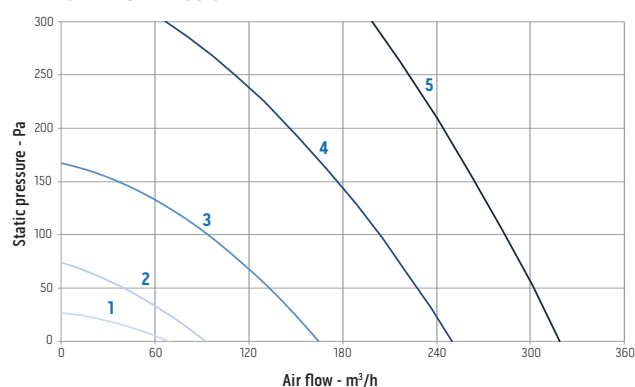
|        |    | SITALI CXVA<br>280 S1 | SITALI CXVM<br>280 S1 |
|--------|----|-----------------------|-----------------------|
| A      | mm | 610                   | 610                   |
| B      | mm | 665                   | 665                   |
| C      | mm | 298                   | 298                   |
| D      | mm | 592                   | 592                   |
| E      | mm | 125                   | 125                   |
| F      | mm | 55                    | 55                    |
| G      | mm | 227                   | 227                   |
| H      | mm | 276                   | 276                   |
| I      | mm | 89                    | 89                    |
| J      | mm | 90                    | 90                    |
| K      | mm | 104                   | 104                   |
| L      | mm | 104                   | 104                   |
| Weight | kg | 21,4 kg               | 23 kg                 |

## TECHNICAL DATA

|                                                            |                     | SITALI CXVA 280 S1 | SITALI CXVM 280 S1 |
|------------------------------------------------------------|---------------------|--------------------|--------------------|
| PRODUCT CODE                                               |                     | 99205              | 99204              |
| EAN CODE                                                   |                     | 8021183992465      | 8021183992458      |
| Maximum flow rate @100 Pa                                  | m <sup>3</sup> /h   | 270                | 270                |
| Electrical power consumption (at the maximum flow rate)    | W                   | 170                | 170                |
| SEC class (local demand control)                           |                     | A                  | A                  |
| SEC class (central demand control)                         |                     | A                  | A                  |
| SEC class (manual control - No demand control ventilation) |                     | B                  | B                  |
| Thermal efficiency                                         | %                   | 85                 | 85                 |
| Reference flow rate                                        | m <sup>3</sup> /h   | 189                | 189                |
| Reference pressure difference                              | Pa                  | 50                 | 50                 |
| Specific power consumption (SPI)                           | W/m <sup>3</sup> /h | 0.370              | 0.370              |
| Sound power level (LWA)                                    | dB(A)               | 57                 | 57                 |
| Electrical power supply                                    |                     | 220-240V~/50-60Hz  | 220-240V~/50-60Hz  |
| IP protection rating                                       |                     | IPX2               | IPX2               |
| Sound pressure @3m(1)                                      | dB(A)               | 24                 | 24                 |
| Max room temperature                                       | °C                  | +40                | +40                |

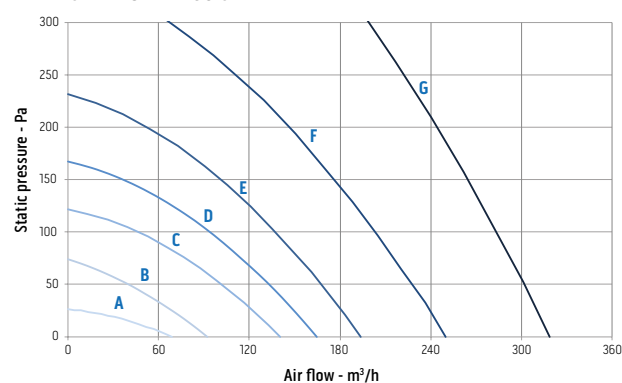
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes. Energy efficiency classes refer to a range between A+ and G.

**SITALI CXVA 280 S1**

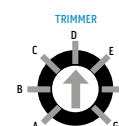


|   | Speed % | W max | m <sup>3</sup> /h max |
|---|---------|-------|-----------------------|
| 1 | 20      | 8     | 55                    |
| 2 | 40      | 14    | 92                    |
| 3 | 60      | 33    | 165                   |
| 4 | 80      | 86    | 250                   |
| 5 | 100     | 178   | 319                   |

**SITALI CXVM 280 S1**



| Trimmer Position | Speed % | W max | m <sup>3</sup> /h max |
|------------------|---------|-------|-----------------------|
| A                | 20      | 8     | 55                    |
| B                | 40      | 14    | 92                    |
| C                | 53      | 21    | 143                   |
| D                | 60      | 33    | 165                   |
| E                | 70      | 41    | 197                   |
| F                | 80      | 86    | 250                   |
| G                | 100     | 178   | 319                   |



Inlet curves in accordance with European regulation 1253/2014 (Er P)



1. Air expulsion to exterior
  2. Air inlet from exterior
  3. Air extracted from interior
  4. Air supplied to interior  
(Winter condensation drain)  
(Summer condensation drain)
- LH flow direction