

SITALI CX 180

Double flow centralised HRV

Compatible with:
SIOS
CONTROL



INTEGRATED PHYSICAL BYPASS

Ideal for "free cooling" operation during the summer



HORIZONTAL INSTALLATION

Ideal for installation the ceiling or false ceilings, in a horizontal position.



MANUAL OR AUTOMATIC CONTROLS

Sitali COAX 180 features a multi-function control panel with LCD display (see image on the side). Sitali COVID 180 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 ball bearings for long service life.
- 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.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% 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.

OPERATION

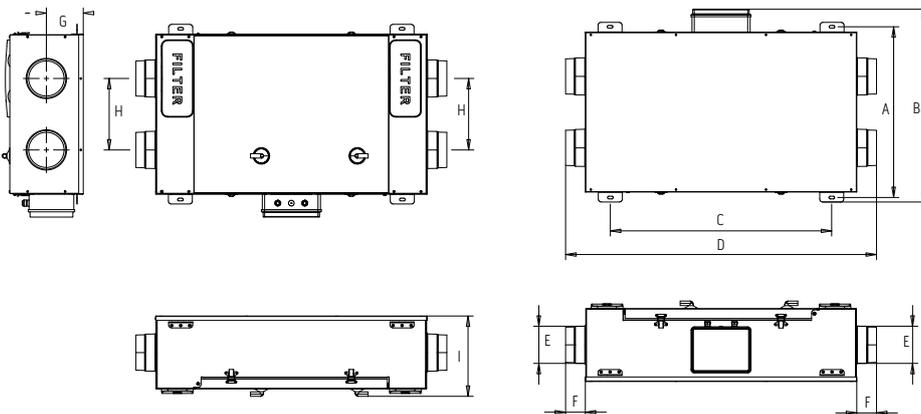
Version with CXOA 180 automatic control

- 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 COVID 180 manual control

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

LAYOUT, DIMENSIONS, WEIGHT



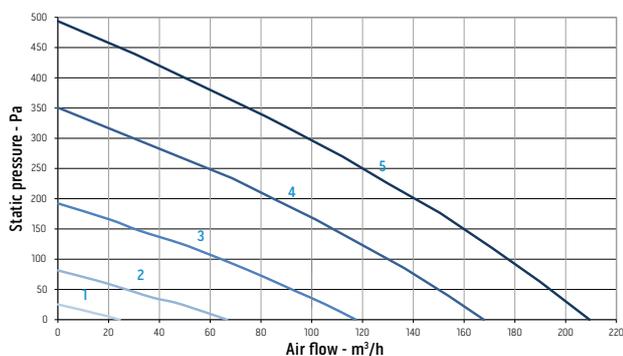
		SITALI CXOA 180	SITALI CXOM 180
A	mm	574	574
B	mm	648	648
C	mm	738	738
D	mm	1037	1037
E	mm	125	125
F	mm	66	66
G	mm	123	123
H	mm	240	240
I	mm	270	270
Weight	kg	20 kg	20 kg

TECHNICAL DATA

		SITALI CXOA 180	SITALI CXOM 180
PRODUCT CODE		99248	99247
EAN CODE		8021183992489	8021183992472
Maximum flow rate @100 Pa	m3/h	177	177
Electrical power consumption (at the maximum flow rate)	W	105	105
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	%	82	82
Reference flow rate	m3/h	124	124
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.412	0.412
Sound power level (LWA)	dB(A)	50	50
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX4	IPX4
Sound pressure @3m(1)	dB(A)	21	21
Max room temperature	°C	+40	+40

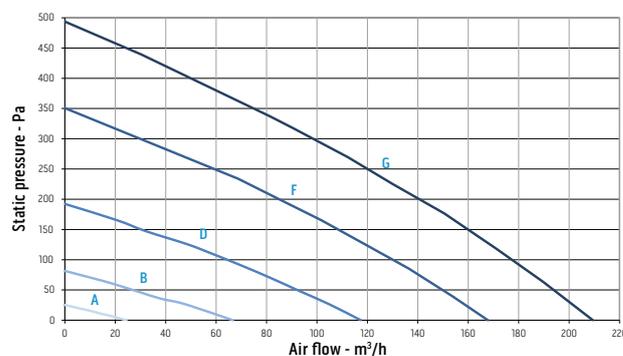
(1) Sound pressure level at 3m in free field, of the casing, speed 40%, indicated only for comparison purposes.

SITALI CXOA 180

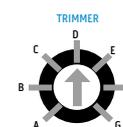


	Speed %	W max	m³/h max
1	20	10	24
2	40	18	67
3	60	36	117
4	80	77	178
5	100	105	209

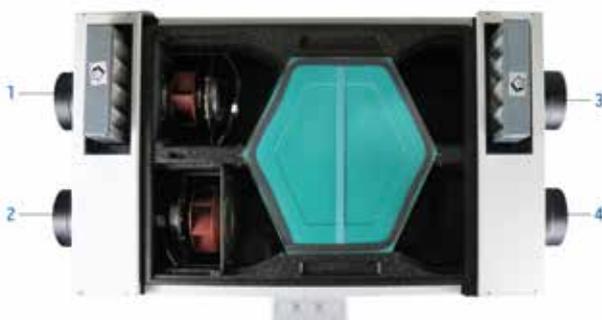
SITALI CXOM 180



Trimmer Position	Speed %	W max	m³/h max
A	20	10	24
B	40	18	67
C	53	28	100
D	60	36	117
E	70	47	139
F	80	68	168
G	100	105	209



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



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