

HEAT RECOVERY VENTILATION UNIT

SITALI CX 180



Flow rate	177 m³/h
Type	ducted
Technology	cross-flow heat recovery
Installation	horizontal



Integrated physical bypass

It allows for the heat exchanger to be partially bypassed during the summer, offering the possibility of using fresh outdoor air to cool the rooms ("free cooling").

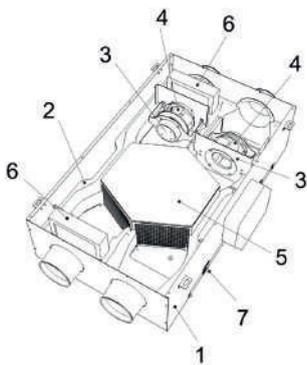
Dual-flow heat recovery unit

Heat from the air extracted from inside the rooms is transferred to the fresh air supplied from outside, reducing the activation of the heating system and improving the building's energy performance.



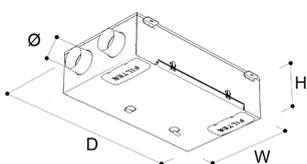
- Air Replacement**
- Antifrost**
- Bypass**
- Holiday**
- Filter Cleaning Signal**
- Silent Mode**
- Turbo**

LAYOUT



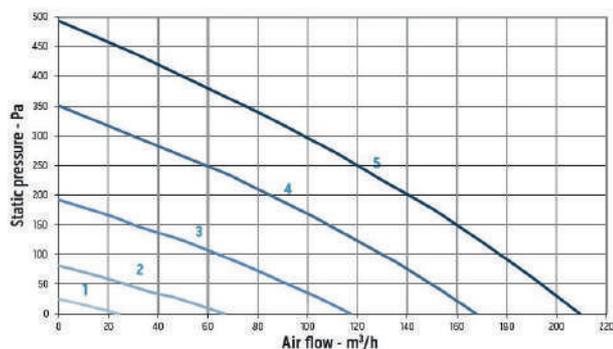
1. External panel in galvanised and pre-painted steel RAL 9010
2. Expanded polypropylene structure to reduce thermal bridges and sound emission, while ensuring maximum airtightness
3. Energy-efficient external rotor EC motors, equipped with thermal protection and mounted on ball bearings to ensure long life
4. Centrifugal-type fan with dynamically balanced backward-curved blades, coupled to the motor
5. High-efficiency cross-flow, counter-current heat exchanger
6. ISO Coarse 0% (G4) filters, removable from outside (no need to remove the access panel for maintenance)
7. Dual condensate drain, usable according to climatic requirements

DIMENSIONS AND WEIGHT



		CXOA 180	CXOM 180
W	mm	574	574
H	mm	270	270
D	mm	1037	1037
Ø	mm	125	125
WEIGHT	kg	20	20

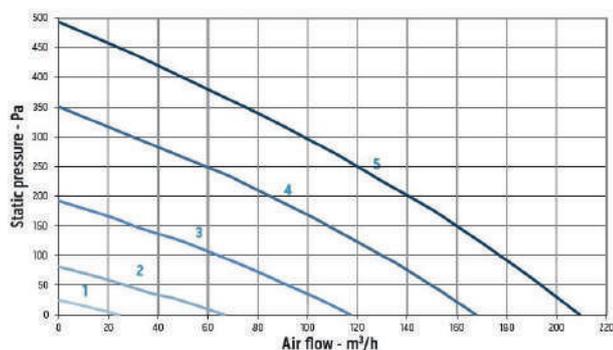
SUPPLY BENDS



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

Input curves in accordance with European Regulation 1253/2014 (ErP)



SITALI CXOM 180

	Speed %	W max	m³/h max
1	20	10	24
2	40	18	67
3	53	28	100
4	60	36	117
5	70	47	139
6	80	68	168
7	100	105	209

Input curves in accordance with European Regulation 1253/2014 (ErP)

COMPATIBLE ACCESSORIES

CONTROLS		
B1061	Control-S 2 recessed modules	
B1062	Control-S 3 recessed modules	
B1063	Wall-mounted control	
EXTERNAL DISTRIBUTION		
B1066	Ø125mm ABS external grille	
B1068	Flex ALU ISD Ø127mm	
B1074	Ø125mm wall passage	
B1104	Ø125mm telescopic pipe	
B1110	EPE pipe DN125 L=2m	
B1111	EPE 90 bend DN125	
B1112	EPE coupling DN125	
B1113	EPE collar DN125	
INTERNAL DISTRIBUTION		
B1058	E-I design vent Ø80mm	
B1055	E-I design vent Ø100mm	
B1056	E-I design vent Ø125mm	
B1057	E-I design vent Ø150mm	

INTERNAL DISTRIBUTION		
B1070	FT-White grille 200x100mm	
B1072	FT-White grille 300x100mm	
B1071	FT-Metal grille 200x100mm	
B1073	FT-Metal grille 300x100mm	
B1059	Flex HDPE 75/63	
B1054	FLEX HDPE 75/63 90° adaptor	
B1076	Blue HDPE 75/63 FLEX hooks	
B1077	Red HDPE 75/63 FLEX hooks	
B1078	FLEX HDPE 75/63 90° bend	
B1087	FLEX HDPE 75/63 coupling	
B1088	O-Ring FLEX HDPE 75/63	
B1095	Plenum P Ø125mm - 4 outlets (for Flex HDPE)	
B1096	Plenum P Ø125mm - 6 outlets (for Flex HDPE)	
B1094	Plenum P Ø125mm - 10 outlets (for Flex HDPE)	
B1092	Plenum L 200x100mm - 1 coupling (for Flex HDPE)	

INTERNAL DISTRIBUTION		
B1093	Plenum L 300x100mm - 2 couplings (for Flex HDPE)	
B1101	Plenum P 200x100mm - 1 coupling (for Flex HDPE)	
B1102	Plenum P 300x100mm - 2 couplings (for Flex HDPE)	
B1091	Plenum LCS 200x100mm - 1 coupling (for Flex HDPE)	
B1089	Plenum L 140x140mm - 1 coupling (for Flex HDPE)	
B1090	Plenum P 200x200mm - 2 couplings (for Flex HDPE)	
B1097	Plenum P 140x140mm - 1 coupling (for Flex HDPE)	
B1100	Plenum P 200x200mm - 2 couplings (for Flex HDPE)	
B1106	CAL80 damper	
B1107	METAL EST 125 valve	
B1108	PP EST-MM 125 valve	
B1109	METAL IMM 125 valve	
FILTRATION		
B1060	F7 filter box	
B1081	F7 filter	
B1082	G4 filter	

TECHNICAL DATA

		Sitali CXOA 180	Sitali CXOM 180
Product code		99248	99247
EAN code		8021183992489	8021183992472
Hole diameter	mm	125	125
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) (1)	(1)	A	A
SEC class (central demand control) (1)	(1)	A	A
SEC class (manual control - No demand control ventilation) (1)	(1)	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 (2)	(2) dB(A)	21	21
Room temperature (max)	°C	+40	+40

(1) Energy efficiency classes refer to a range between A+ and G.

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