

HEAT RECOVERY VENTILATION UNIT

# SITALI CX 280

[S1]

Flow rate	<b>270 m<sup>3</sup>/h</b>
Type	<b>ducted</b>
Technology	<b>cross-flow heat recovery</b>
Installation	<b>vertical</b>



## 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").

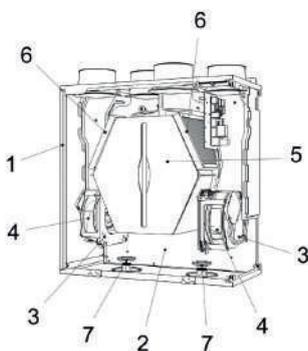
## Dual-flow heat recovery unit

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.



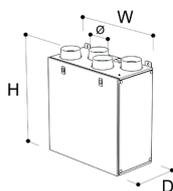
- Air Replacement**
- Antifrost**
- Bypass**
- Holiday**
- Filter Cleaning Signal**
- Silent Mode**
- Turbo**

## LAYOUT



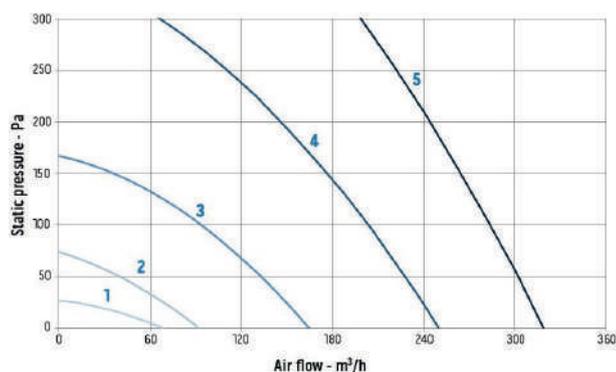
1. External panel in galvanised and pre-painted steel RAL 9010
2. Expanded polypropylene structure to reduce thermal bridges and sound emission, while ensuring maximum airtightness
3. Energy-efficient external rotor EC motors, equipped with thermal protection and mounted on ball bearings to ensure long 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



		CXVM 280	CXVA 280
W	mm	592	592
H	mm	665	665
D	mm	298	298
Ø	mm	125	125
WEIGHT	kg	<b>23,0</b>	<b>21,4</b>

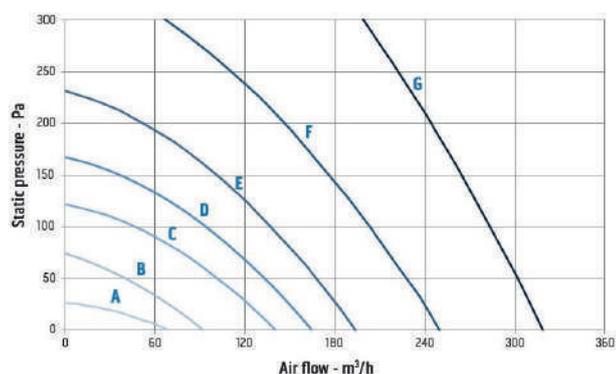
## SUPPLY BENDS



### SITALI CXVA 280 S1

	Speed %	W max	m³/h
1	20	8	55
2	40	14	92
3	60	33	165
4	80	86	250
5	100	178	319

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



### SITALI CXVM 280 S1

	Speed %	W max	m³/h max
1	20	8	55
2	40	14	92
3	53	21	143
4	60	33	165
5	70	41	197
6	80	86	250
7	100	178	319

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	B1111	EPE 90 bend DN125
	B1074	Ø125mm wall passage
	B1104	Ø125mm telescopic pipe
	B1068	Flex ALU ISO Ø127mm
	B1066	Ø125mm ABS external grille
	B1113	EPE collar DN125
	B1112	EPE coupling DN125
	B1110	EPE pipe DN125 L=2m
INTERNAL DISTRIBUTION	B1058	E-1 design vent Ø80mm
	B1055	E-1 design vent Ø100mm
	B1056	E-1 design vent Ø125mm
	B1057	E-1 design vent Ø150mm
	B1070	FT-White grille 200x100mm

INTERNAL DISTRIBUTION	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)
	B1093	Plenum L 300x100mm - 2 couplings (for Flex HDPE)
	B1101	Plenum P 200x100mm - 1 coupling (for Flex HDPE)

INTERNAL DISTRIBUTION	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 L 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
	B1083	F7 filter
	B1084	G4 filter
B1207	M5 filter	

## TECHNICAL DATA

		Sitali CXVM 280 S1	Sitali CXVA 280 S1
<b>Product code</b>		99204	99205
<b>EAN code</b>		8021183992458	8021183992465
Hole diameter	mm	125	125
Maximum flow rate @100 Pa	m³/h	270	270
Electrical power consumption (at the maximum flow rate)	W	170	170
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	%	85	85
Reference flow rate	m³/h	189	189
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m³/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 (2)	(2) dB(A)	24	24
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.