HEAT RECOVERY VENTILATION

Decentralised and centralised systems for treating air in the home

Indoor air quality. The importance of the introduction of outdoor air

Heat Recovery Ventilation: many advantages for indoor comfort

The most authoritative exponents of the scientific community agree on the importance of the introduction of outdoor air indoors, to increase the quality of indoor air. The greater the quantity of external air introduced into closed environments, the lower the concentration of pollutants and pathogens.

A change of air carried out through the opening of the windows may not always be possible (for example in summer and winter) or sufficient: the quantity of air introduced is in fact not controllable or its uniform distribution. If there are HRV systems, the experts therefore recommend activating their continuous operation (7/7 days and H24) and increasing the exchange flow rate as much as possible.

BMS

HEAT PUMPS

FAN COIL UNITS

HRV

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PORTABLES

High-efficiency and comfort decentralised and centralised systems

Diversified solutions for each project

To meet the needs of every room, Olimpia Splendid's Sitali range includes both decentralised and centralised units. Recommended for existing buildings, ad hoc solutions do not require any air distribution system or invasive installation work. For buildings where it is possible to design and implement a distribution system complete with ducts and terminals, however, the installation of centralised units is recommended.

All the solutions for centralised systems include a PPE structure with sheet metal finish and plastic fittings. They are fitted with high-performance, energy-saving EC brushless motors. The centralised machines are fitted with G4 filters (ISO Coarse 60%) to protect the exchanger and for some sizes, it is possible to use F7 filters (ISO ePM1 60%) for improved air filtering on input.

Thanks to the heat recovery unit, it is possible to transfer the heat of the air extracted from inside the rooms to the fresh air supplied from the outside, limiting the activation of the heating system and improving the building's energy performance.

HRV range

Decentralised systems		100	150
SITALI SFE 100 Continual single flow HRV		Sitali SFE 100 (99422)	
SITALI SF 150 Alternating single-flow HRV			Sitali SF 150 S1 (99299)

Centralised systems		120	180	280	400	550
SITALI CX 120 Double flow HRV with vertical ore reversible installation	**AUTOMATIC CONTROLS**	Sitali CXRA 120 (99250) `NEW`				
		Sitali CXVA 120 (99249) `NEW`				
SITALI CX 180 Double flow HRV with horizontal installation	**AUTOMATIC CONTROLS**		Sitali CXOA 180 (99248) `NEW`			
	MANUAL CONTROLS		Sitali CXOM 180 (99247) `NEW`			
SITALI CX 280 Double flow HRV with vertical installation	**AUTOMATIC CONTROLS**			Sitali CXVA 280 (99246) `NEW`		
	MANUAL CONTROLS			Sitali CXVM 280 (99245) `NEW`		
SITALI CX 400 Double flow HRV with vertical installation	**AUTOMATIC CONTROLS**				Sitali CXVA 400 (99244) `NEW`	
SITALI CX 550 Double flow HRV with vertical installation	**AUTOMATIC CONTROLS**					Sitali CXVA 550 (99243) `NEW`

SITALI SFE 100

1   2 3   4

Decentralised nomenclature
Valid for decentralised systems

Position 1: Line name Sitali
Position 2: Flow (SF=Single flow)
Position 3: Type (E=Extractor)
Position 4: Hole diameter (mm)

SITALI CXRA 120

1   2 3 4 5   6

Centralised nomenclature
Valid for new centralised systems

Position 1: Line name Sitali
Position 2: Type (C=Centralised)
Position 3: Flow (X=Crossed)
Position 4: Installation (R=Reversible, V=Vertical, O=Horizontal)
Position 5: Controls (A=Automatic, M=Manual)
Position 6: Air flow rate

SITALI SF 150 S1

Decentralized Heat Recovery Ventilation with alternate single flow

SILENT FUNCTION

The most silent: only ◀) 10 -dB (A) ▶ Optimized for continuous 24/24h operation.

INTELLIGENT FUNCTION

Thanks to the presence of the temperature detection probe, the air flow inversion time is self-adjusted to allow the best comfort indoors.

MAGNETIC FUNCTION

Quick release via magnets for easy maintenance without the need for specialized staff.

FEATURES

- Temperature probe that adjusts the air flow inversion times to maintain the indoor comfort level
- Energy class: **A ▶**
- EC brushless motor
- Integrated humidity sensor
- Easy maintenance, indoor magnetic release

- Infra-red remote control with LCD
- Double filter on the inner/outer side of the exchanger
- Multicolor LED indicator
- 5 ventilation speeds available
- Magnetic wall support for remote control
- ON/OFF contact

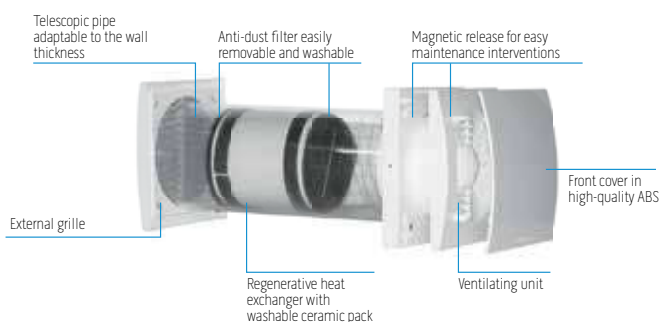## DIMENSIONS AND TECHNICAL SPECIFICATIONS

□ 218
77,5
300÷570
Ø 158
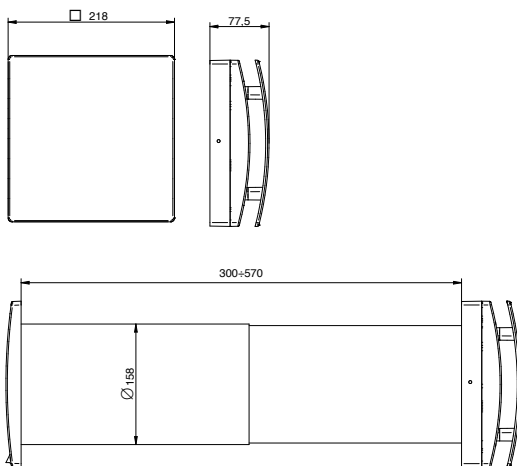
TECHNICAL DATA	SF 150 S1
Product code	99299
Hole diameter mm	160
Energy class	**A ▶**
Air flow rate m³/h	60/50/40/30/20
Sound level* dB(A)	29/24/20/14/10
Absorption W	6/4,5/3,5/2,5/2
Max thermal efficiency	82%
Max room temperature °C	-20°C +50°C
Weight kg	5,5
Degree of protection IP	IPX4
M² treated** m²	20 m²

220-240 V ~ 50-60Hz aeraulic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m3 - data measured in TÜV Rheinland accredited laboratory
* sound pressure level at 3m in free field
**Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 30 m3/h as the maximum flow rate, being of alternate flow.

Telescopic pipe adaptable to the wall thickness

Anti-dust filter easily removable and washable

Magnetic release for easy maintenance interventions

External grille

Front cover in high-quality ABS

Regenerative heat exchanger with washable ceramic pack

Ventilating unit

SITALI SFE 100

Decentralized Heat Recovery Ventilation with continuous single flow.

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SILENT FUNCTION

The most silent: only ◀)) 11 dB (A) ▶ Optimized for continuous 24/24h operation.

AIR EXCHANGE

Decentralized HRV unit with continuous single flow, Ø100 mm, with very low energy consumption, for replacing stale air in the humid environments with maximum acoustic comfort. Ideal for preventing problems of condensate and mould, which inevitably damage the structure and compromise the health of the occupants.

HUMIDITY DETECTION

The unit is fitted with a humidity detection sensor, adjustable from 50% to 95% R.H. and a timer; this can be adjusted from 0 to approx. 30 minutes. The unit operates continuously at the minimum speed selected, which increases automatically to the average speed when the R.H. percentage exceeds the threshold set.

FEATURES

- Top quality ABS structure
- High-efficiency aerodynamic fan
- EC brushless motor with thermal protection
- Integrated humidity sensor
- Elegant design with minimalist lines

- Front cover; easy to remove for cleaning, without the use of tools
- Aerodynamic deflectors
- Very low energy consumption
- 4 ventilation speeds available

DIMENSIONS AND TECHNICAL SPECIFICATIONS

□ 164
116
70 / 46
Ø 99
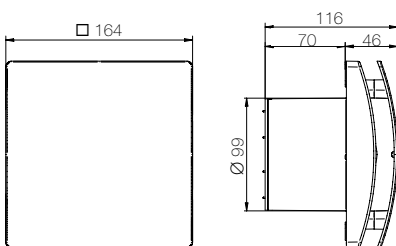
TECHNICAL DATA	
Product code	99422
Hole diameter mm	100 (110 with telescopic tube)
Air flow rate m³/h	83 / 47 / 29 / 21
Absorption W	2,5 / 1,7 / 1,2 / 1
Sound level* dB(A)	26 / 23 / 13 / 11
Max room temperature °C	50
Degree of protection IP	IPX4
Weight kg	0,6
M² treated**	7 m²

220-240 V ~ 50-60Hz aeraulic performance measured according to ISO 5801 at 230V 50Hz, air density 1.2 Kg/m3 - data measured in TÜV Rheinland accredited laboratory
* sound pressure level at 3m in free field
**Maximum treated area for civil dwellings (regulatory reference UNI 10339:1995) considering 70 m3/h as max flow rate, 10 Pa prevalence and a room height of 2.7 m.

SITALI CX 120

Double flow centralised compact HRV

Compatible with:
SiOS CONTROL

COMPACT DIMENSIONS

The compact size makes the units each to install in any room.

FLEXIBLE INSTALLATION

The reversible CXRA version can be installed on the wall in a vertical position, and horizontal position on the ceiling or false ceiling (the CXVA version can only be installed in the vertical position).

AUTOMATIC CONTROLS

Multi-function control panel.

FEATURES

- External panels made of pre-coated RAL 9010 and made of galvanized steel.
- Main 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 centrifugal fan with backward-curved blades coupled directly and dynamically balanced to the motor.
- Cross-flow, counterflow heat exchanger with high efficiency.
- The pre-wired unit makes electrical connection easy.
- ISO Coarse 60% (G4) filters easily removable from the outside: no need to remove the access panel to perform maintenance operations. ISO ePM1 60% (F7) filter on request.
- Integrated condensate drain.
- Automatic frost protection prevents the formation of ice on the inlet side of the heat exchanger.

OPERATION

- The unit is supplied with a multi-function control panel, with the following control and connection options:
- 3-speed setting option (to be set during installation)
- BOOST activation
- Reset filter
- On/off
- Keypad lock
- Anti-frost activation indicator
- Fault indicator
- Filter replacement indicator
- Connection to remote room sensors (humidity, CO_2, etc.)
- Modbus interface.

LAYOUT, DIMENSIONS, WEIGHT

Sitali CXRA 120
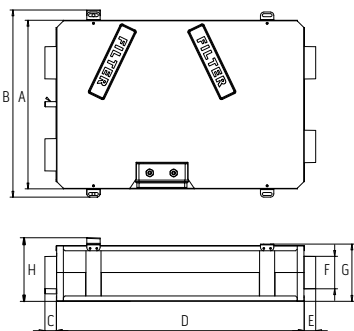
Sitali CXVA 120
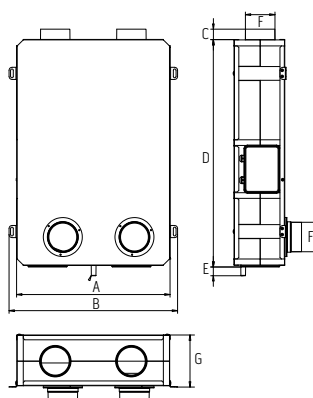
		SITALI CXRA 120	SITALI CXVA 120
A	mm	504	504
B	mm	559	553
C	mm	34	34
D	mm	741	746
E	mm	34	29
F	mm	97	97
G	mm	171	171
H	mm	190	-
Weight	kg	11,5 kg	11,5 kg

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TECHNICAL DATA

TECHNICAL DATA		SITALI CXRA 120	SITALI CXVA 120
PRODUCT CODE		99250	99249
EAN CODE		8021183992502	8021183992496
Maximum flow rate @100 Pa	m3/h	91	102
Electrical power consumption (at the maximum flow rate)	W	58	58
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	64	71
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.391	0.352
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)	18	18
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 CXRA 120
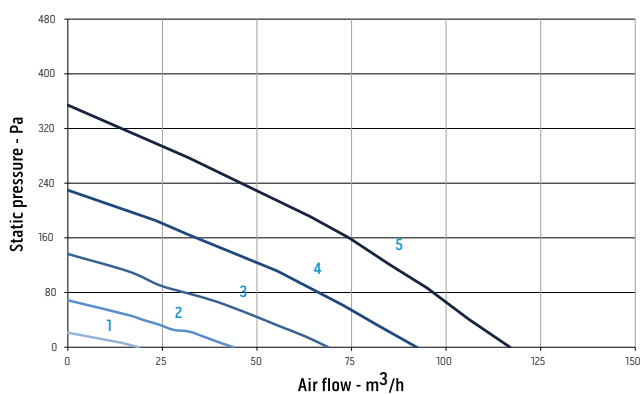
SITALI CXVA 120

	Speed %	W max	m³/h max
1	20	9	22
2	40	13	48
3	60	20	71
4	80	32	96
5	100	56	114
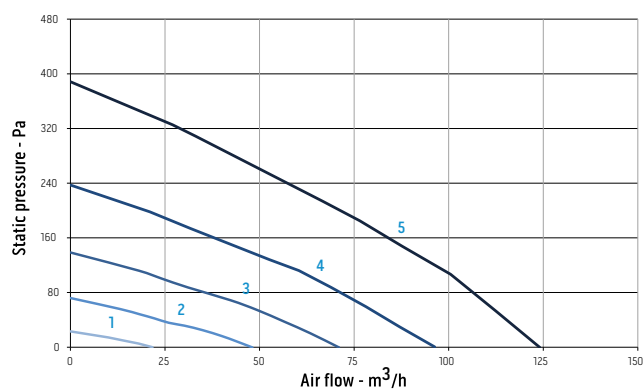
	Speed %	W max	m³/h max
1	20	9	22
2	40	13	48
3	60	20	71
4	80	32	96
5	100	58	124

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

Sitali CXRA 120

Sitali CXVA 120

1. Air inlet from exterior
2. Air expulsion to exterior
3. Air supplied to interior
4. Air extracted from interior
5. Condensation drain

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 condensate 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, CO_2, 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
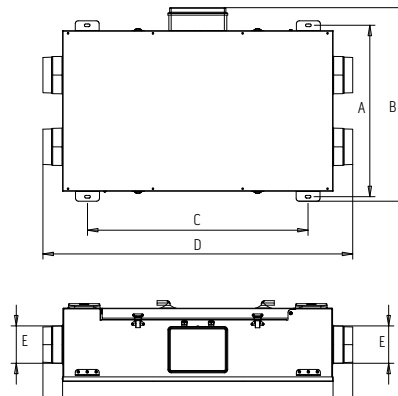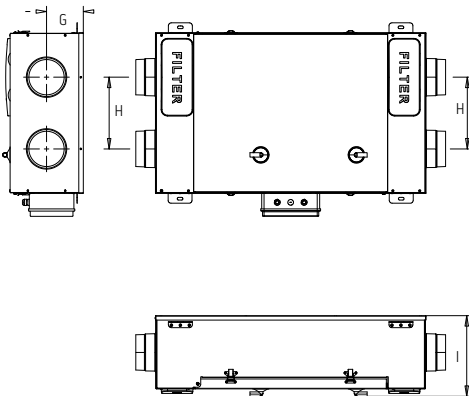
		SITALI CXOA 180	SITALI CXOM 180
A	mm	574	574
B	mm	648	648
C	mm	738	738
D	mm	1037	1037
E	mm	125	125
F	mm	66	66
G	mm	123	123
H	mm	240	240
I	mm	270	270
Weight	kg	20 kg	20 kg

TECHNICAL DATA

| 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.
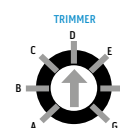
SITALI CXOA 180
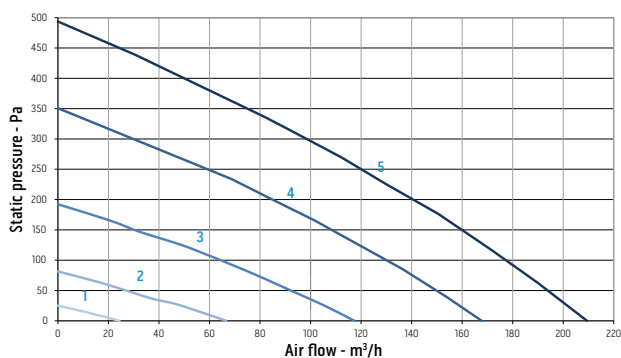
	Speed %	W max	m³/h max
1	20	10	24
2	40	18	67
3	60	36	117
4	80	77	178
5	100	105	209

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

SITALI CXOM 180
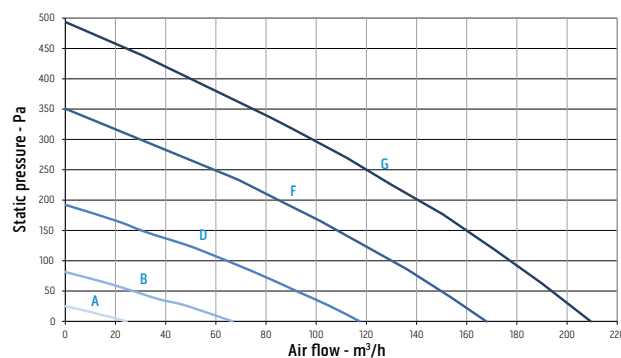
Trimmer Position	Speed %	W max	m³/h max
A	20	10	24
B	40	18	67
C	53	28	100
D	60	36	117
E	70	47	139
F	80	68	168
G	100	105	209

TRIMMER

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)

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SITALI CX 280

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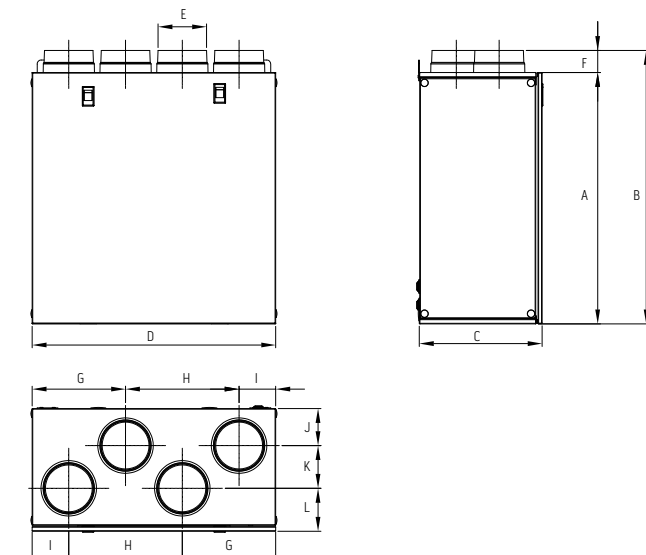
		SITALI CXVA 280	SITALI CXVM 280
A	mm	610	610
B	mm	665	665
C	mm	298	298
D	mm	592	592
E	mm	125	125
F	mm	55	55
G	mm	227	227
H	mm	276	276
I	mm	89	89
J	mm	90	90
K	mm	104	104
L	mm	104	104
Weight	kg	21,4 kg	23 kg

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TECHNICAL DATA

| TECHNICAL DATA		SITALI CXVA 280	SITALI CXVM 280
PRODUCT CODE		99246	99245
EAN CODE		8021183992465	8021183992458
Maximum flow rate @100 Pa	m3/h	256	256
Electrical power consumption (at the maximum flow rate)	W	160	160
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	%	83	83
Reference flow rate	m3/h	179	179
Reference pressure difference	Pa	50	50
Specific power consumption (SPI)	W/m3/h	0.385	0.385
Sound power level (LWA)	dB(A)	56	56
Electrical power supply		220-240V~/50-60Hz	220-240V~/50-60Hz
IP protection rating		IPX2	IPX2
Sound pressure @3m(1)	dB(A)	27	27
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 CXVA 280
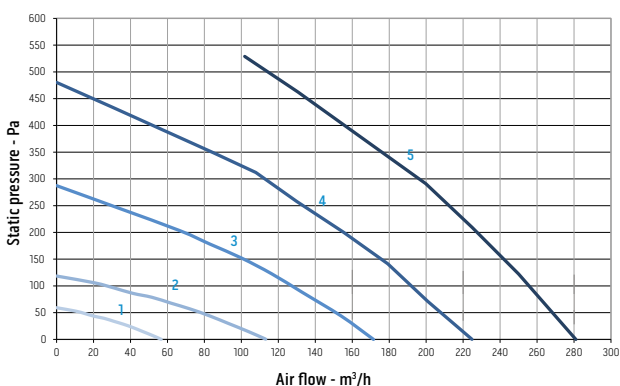
SITALI CXVM 280

	Speed %	W max	m³/h max
1	20	13	57
2	40	25	113
3	60	51	172
4	80	98	225
5	100	167	281
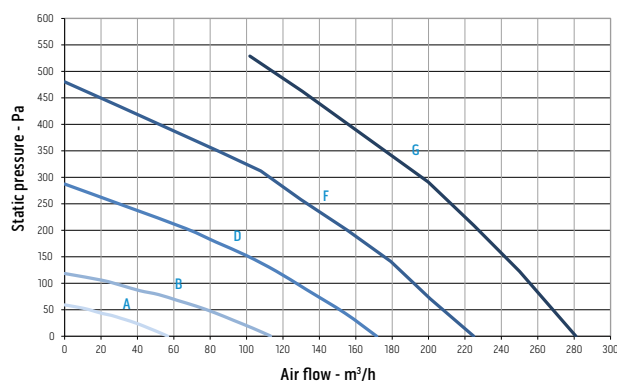
Trimmer Position	Speed %	W max	m³/h max
A	20	13	57
B	40	17	88
C	53	25	113
D	60	41	153
E	70	51	172
F	80	100	225
G	100	167	281
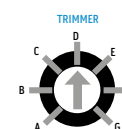
TRIMMER

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

SITALI CX 400

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.

AUTOMATIC CONTROL

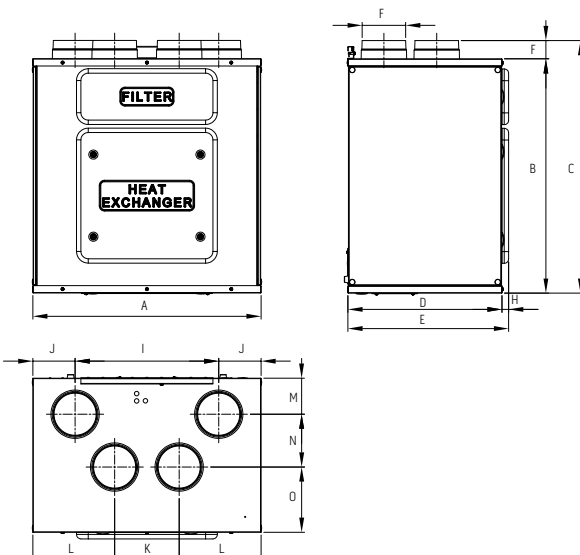The unit is supplied with a multi-function control panel and LCD display.

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. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO_2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

LAYOUT, DIMENSIONS, WEIGHT

		SITALI CXVA 400
A	mm	778
B	mm	799
C	mm	860
D	mm	525
E	mm	549
F	mm	148
G	mm	62
H	mm	23
I	mm	490
J	mm	144
K	mm	220
L	mm	279
M	mm	1225
N	mm	180
O	mm	222.5
Weight	kg	34,5 kg

TECHNICAL DATA

		SITALI CXVA 400
PRODUCT CODE		99244
EAN CODE		8021183992441
Maximum flow rate @100 Pa	m3/h	363
Electrical power consumption (at the maximum flow rate)	W	160
SEC class (local demand control)		A+
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		A
Thermal efficiency	%	86
Reference flow rate	m3/h	254
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m3/h	0.268
Sound power level (LWA)	dB(A)	52
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	26
Max room temperature	°C	+40

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

SITALI CXVA 400
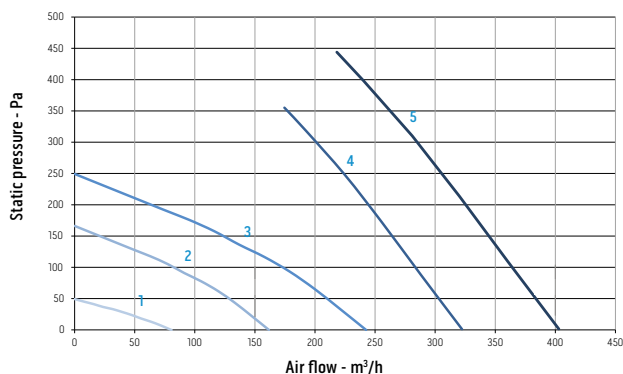
	Speed %	W max	m³/h max
1	20	10	84
2	40	22	162
3	60	48	243
4	80	90	322
5	100	160	403

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

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

SITALI CX 550

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.

AUTOMATIC CONTROL

The unit is supplied with a multi-function control panel and LCD display.
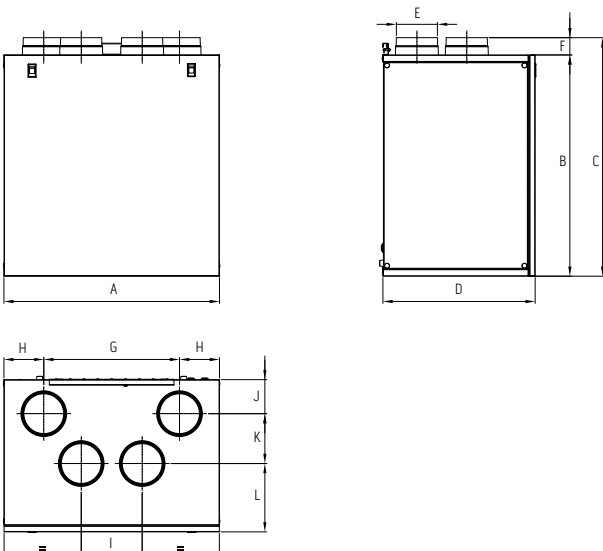
FEATURES

- 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 ISO Coarse 60% (G4) filters that can be easily removed from the outside. The unit is also fitted with an ISO ePM1 60% filter (F7) on the air inlet.
- Automatic frost protection preventing ice formation on the inlet side of the heat exchanger.
- Double condensate drain that can be used based on climatic requirements.
- Left or right configuration for flexible installation

OPERATION

- 3-speed setting.
- Boost function.
- Holiday and Night Mode function.
- Weekly programming.
- Bypass control.
- Air flow balancing.
- Filter maintenance and fault indicator.
- Operating hours counter.
- Settings saving and upload.
- Connection of remote room sensors (humidity, CO2, etc.)
- ModBus interface.
- Connection to electric heating element before and after the ventilation unit.
- Water coil connection for heating.

LAYOUT, DIMENSIONS, WEIGHT

|		SITALI CXVA 550
A	mm	778
B	mm	799
C	mm	860
D	mm	549
E	mm	148
F	mm	62
G	mm	490
H	mm	144
I	mm	220
J	mm	122.5
K	mm	180
L	mm	2465
Weight	kg	44 kg

TECHNICAL DATA

TECHNICAL DATA		SITALI CXVA 550
PRODUCT CODE		99243
EAN CODE		8021183992434
Maximum flow rate @100 Pa	m3/h	520
Electrical power consumption (at the maximum flow rate)	W	333
SEC class (local demand control)		A
SEC class (central demand control)		A
SEC class (manual control - No demand control ventilation)		B
Thermal efficiency	%	82
Reference flow rate	m3/h	364
Reference pressure difference	Pa	50
Specific power consumption (SPI)	W/m3/h	0.412
Sound power level (LWA)	dB(A)	58
Electrical power supply		220-240V~/50-60Hz
IP protection rating		IPX4
Sound pressure @3m(1)	dB(A)	34
Max room temperature	°C	+40

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

SITALI CXVA 550
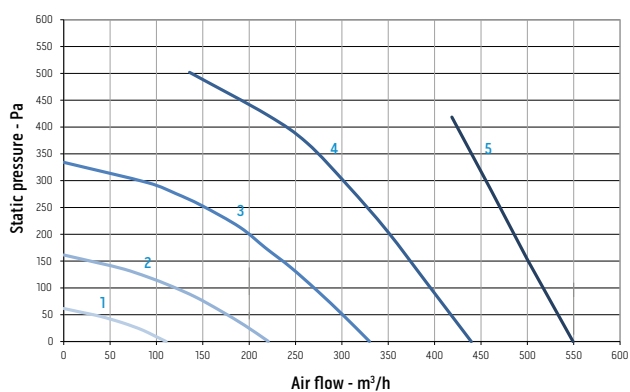
	Speed %	W max	m³/h max
1	20	17	110
2	40	44	221
3	60	110	330
4	80	264	440
5	100	333	550

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

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

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PORTABLES

Decentralized HRV accessories

B0838 **External grille**
High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010. Diameter 100mm. Compatible with Sitali SFE 100.

B0837 **Telescopic pipe**
PVC telescopic pipe which adapts to the thickness of the wall. Diameter 100mm. Compatible with Sitali SFE 100.

Centralised HRV accessories

External air distribution

ABS ext grille
High-quality ABS fixed external grille, resistant to impacts and UV rays. Colour RAL 9010.

B1065	Diameter 100mm
B1066	Diameter 125mm
B1067	Diameter 150mm

Flex ALU ISO
Flexible pipe, 10m in length, made with aluminium/polyester/micro-perforated aluminium walls for air passage noise reduction and steel concertina wire. Polyester fibre thermal insulation coating (thickness 25mm/16kg/m3) and aluminium-coated polyolefin film outer protection.

B1068	Diameter 127mm
B1069	Diameter 160mm

Wall passage
Wall penetration kit with external terminal in galvanised sheet metal coated in RAL 9010 and fitted with sound-absorbing mat.

B1074	Diameter 125mm
B1075	Diameter 150mm

Telescopic pipe
PVC telescopic pipes which adapt to the thickness of the wall. (L=300-570 mm).

B1103	Diameter 100mm
B1104	Diameter 125mm
B1105	Diameter 150mm

EPE pipe
Insulated and soundproofed EPE pipe, with smooth interior and exterior; length 2m.

B1110	DN125 L=2m
B1114	DN150 L=2m

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EPE 90 bend
Insulated and soundproofed EPE bend, with smooth interior and exterior.

B1111	DN125
B1115	DN150

EPE coupling
Coupling for connecting EPE pipe/EPE pipe, EPE pipe/EPE 90 bend.

B1112	DN125
B1116	DN150

EPE collar
Bracket collar and for connection of the EPE/ventilation unit pipe and EPE pipe/distribution plenum.

B1113	DN125
B1117	DN150

Internal air distribution

E-I designer vent
Extraction/inlet vent with flow rate adjustment module; front cover made of high-quality ABS; white RAL 9010. The adjustment module consists of removable concentric circles to define the desired volume of air.

B1058	Diameter 80mm
B1055	Diameter 100mm
B1056	Diameter 125mm
B1057	Diameter 150mm

FT-WHITE grille
Rectangular steel grille pre-coated in RAL 9010 white, with round perforated screen and magnetic attachment system.

B1070	Dimension 200x100mm
B1072	Dimension 300x100mm

FT-METAL grille
Rectangular steel grille with metallic finish, round perforated screen and magnetic attachment system.

B1071	Dimension 200x100mm
B1073	Dimension 300x100mm

B1059	**Flex HDPE 75/63**

Flexible 75/63 pipe with antimicrobial, antibacterial and antistatic treatment, made with high-density double polyethylene wall; corrugated on the outside and smooth on the inside; supplied with end caps; used to channel the air from the distribution plenum to the air inlet and extraction vents. Suitable for installation in concrete slab, false ceilings or on walls. Length 50 m.

B1054	**FLEX HDPE 75/63 90° adaptor**

90° angle adaptor, Ø125mm with 2 attachments Ø80mm (for Flex HDPE 75/63 duct), including 2 protection/end caps, length 250mm. Suitable for designer vents with 125mm diameter and extraction/inlet valves.

FLEX HDPE 75/63 hooks
Connection kit for Flex HDPE 75/63 pipe to make worksite installation easier. Available in packs of 12 in red or blue to identify the air flow direction.

B1076	Blue
B1077	Red

B1078 **FLEX HDPE 75/63 90° bend**
90° bend kit for Flex HDPE 75/63 pipe with sealing rings included.

B1087 **FLEX HDPE 75/63 coupling**
Coupling kit for Flex HDPE 75/63 pipe with sealing rings included.

B1088 **O-Ring FLEX HDPE 75/63**
O-ring kit for Flex HDPE 75/63 pipe (pack of 10).

B1095 **Plenum P Ø125mm - 4 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 4 outlets Ø80mm (for Flex HDPE 75/63 duct) and 5 protection/end caps supplied.

B1096 **Plenum P Ø125mm - 6 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 6 outlets Ø80mm (for Flex HDPE 75/63 duct) and 7 protection/end caps supplied.

B1094 **Plenum P Ø125mm - 10 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø125mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

B1098 **Plenum P Ø150mm - 10 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø150mm, 10 outlets Ø80mm (for Flex HDPE 75/63 duct) and 11 protection/end caps supplied.

B1099 **Plenum P Ø150mm - 15 outlets (for Flex HDPE)**
Distribution plenum, 1 inlet Ø150mm, 15 outlets Ø80mm (for Flex HDPE 75/63 duct) and 16 protection/end caps supplied.

B1092 **Plenum L 200x100mm - 1 coupling (for Flex HDPE)**
Inlet/extraction plenum, 1 fitting on the long side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1093 **Plenum L 300x100mm - 2 couplings (for Flex HDPE)**
Inlet/extraction plenum, 2 fittings on the long side Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

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Plenum P 200x100mm - 1 coupling (for Flex HDPE)
Inlet/extraction plenum, 1 rear fitting Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1102

Plenum P 300x100mm - 2 couplings (for Flex HDPE)
Inlet/extraction plenum, 2 fittings on the rear Ø80mm, complete with anti-mortar closure and 2 caps (for Flex HDPE 75/63 duct). Air flow adjustment via the CAL80 damper (on request).

B1091

Plenum LCS 200x100mm - 1 coupling (for Flex HDPE)
Inlet/extraction plenum, 1 fitting on the short side Ø80mm, complete with anti-mortar closure and 1 cap (for Flex HDPE 75/63 duct).

B1089

Plenum L 140x140mm - 1 coupling (for Flex HDPE)
Inlet/extraction plenum with 1 side coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Dimension 140x140mm. Suitable for designer vents measuring 80 and 100mm in diameter.

B1090

Plenum L 200x200mm - 2 couplings (for Flex HDPE)
Inlet/extraction plenum with 2 side couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Dimension 200x200mm. Suitable for designer vents measuring 125 and 150mm in diameter.

B1097

Plenum P 140x140mm - 1 coupling (for Flex HDPE)
Inlet/extraction plenum with 1 rear coupling Ø80mm (for HDPE 75/63). Including anti-mortar closure and 1 protection/end cap. Suitable for designer vents measuring 80 and 100mm in diameter.

B1100

Plenum P 200x200mm - 2 couplings (for Flex HDPE)
Inlet/extraction plenum with 2 rear couplings Ø80mm (for HDPE 75/63). Including anti-mortar closure and 2 protection/end caps. Suitable for designer vents measuring 125 and 150mm in diameter.

B1106

CAL80 damper
Flow rate regulator damper, designed to be attached to the vents Ø80mm of the inlet/extraction plenum or distribution plenum, made of polypropylene, with quick-fit system, including wing-shaped fins to ensure maximum acoustic comfort. Pack of three.

B1107

METAL EST 125 valve
Valid for extraction in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.

B1108

PP EST-MM 125 valve
Valid for extraction/inlet in white PP, Ø125mm, manually and progressively adjustable.

B1109

METAL IMM 125 valve
Valid for inlet in RAL 9010 coated steel, Ø125mm, manually and progressively adjustable.

Remote controls

B1061 **Control-S 2 recessed modules**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.

B1062 **Control-S 3 recessed modules**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz. Version for recessed installation with 3 modules suitable for box 503.

B1063 **Control-S wall installation**
Remote control for HRV unit with heat recovery, including 3 switches. Option to select 3 speeds and enable free-cooling mode. 230V~ 50/60Hz.

Other accessories

B1060 **F7 filter box**
External cassette including F7 filter with galvanised metal sheet pre-coated with RAL 9010 and attachment with 125mm attachment. Suitable for CX 120, CX180 and CX28

F7 filters
Class F7 filtration elements (pack of 1 item).

B1079	For Sitali CX 120
B1081	For Sitali CX 180
B1083	For Sitali CX 280
B1085	For Sitali CX 400-550

G4 filters
Class G4 filtration elements (pack of 2 items).

B1080	For Sitali CX 120
B1082	For Sitali CX 180
B1084	For Sitali CX 280
B1086	For Sitali CX 400 - 550

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