

# CALADAIR



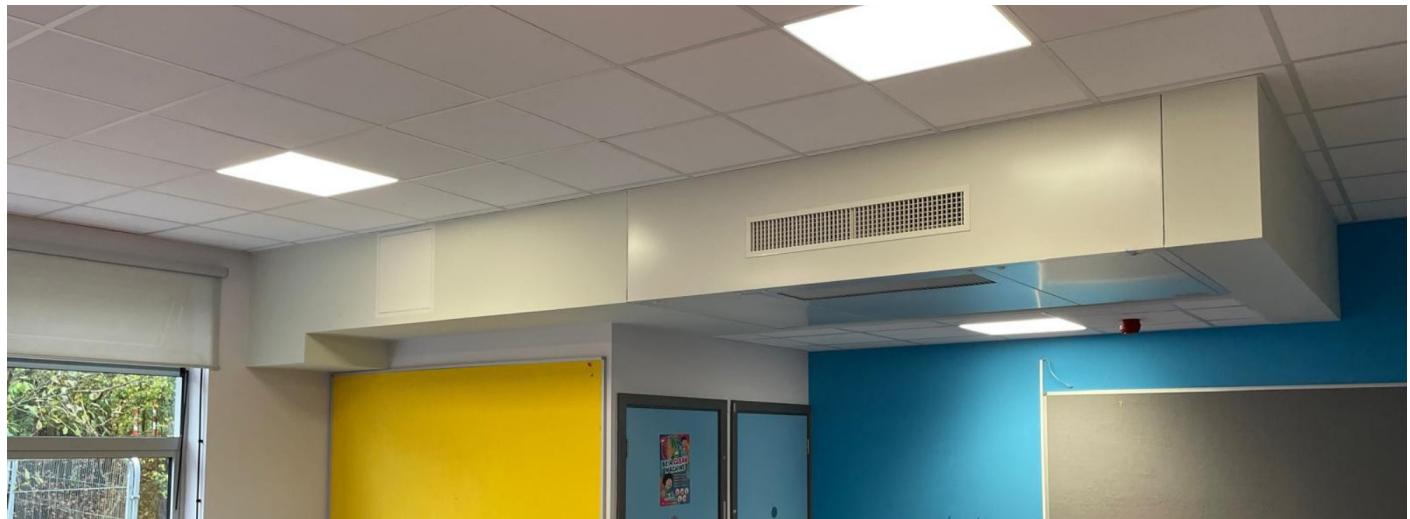
## EVERSKY™ Q

The decentralised ventilation unit:  
quiet and efficient!



## BENEFITS

- ▷ **Silent (Q = Quiet):** Very quiet operation for optimal acoustic comfort
- ▷ **High energy performance:** highly efficient energy recovery and optimisation of consumption
- ▷ **Optimal air quality:** dual-flow ventilation with fresh air renewal and CO2 level management
- ▷ **Easy to integrate:** compact and attractive design, easy to integrate into any space
- ▷ **Simplified maintenance:** quick access to filters and components



## Description

The EVERSKY™ Q is a decentralised dual-flow ventilation unit that combines high energy efficiency with ultra-quiet operation. Designed to recover up to 90% of energy, it ensures optimal air quality and lasting thermal comfort, while integrating easily into any space. Compact, easy to install and maintain, the EVERSKY™ Q is the ideal solution for combining performance, comfort and acoustic discretion in modern buildings.

# Applications

- **Schools and educational institutions:** improved concentration thanks to healthy, quiet ventilation that complies with air renewal requirements.
- **Offices, open-plan spaces & meeting rooms:** thermal comfort and consistent air quality, even when heavily occupied.
- **Hotels and tourist residences:** enhanced customer experience thanks to superior thermal and acoustic comfort, with room-by-room installation.
- **Healthcare buildings (clinics, medical practices, nursing homes):** improved air hygiene and a peaceful atmosphere, suitable for sensitive environments.



# Construction

## Structure

- Double-skin panels in pre-coated galvanised steel RAL 9016
- Anti-corrosion treatment, watertight and rigid assembly
- Compact and robust enclosure

## Isolation

- Thermal and acoustic insulation with cellular structure (40 mm thick)
- Reduction of sound loss and transmission

## Motor fans

- Fans with EC plug-fan technology (high efficiency, low power consumption)
- Quiet operation, constant air flow

## Exchanger

- Static counterflow heat exchanger made of aluminium
- High recovery efficiency (> 90%)
- EUROVENT AAHE programme certified

## Regulation

- Integrated controller with EASY 5.0 regulation – plug & play
- Temperature management, bypass and integrated protections
- Intuitive control interface

## Filtration

- Fresh air: ePM1 55% (F7) + optional double filtration stage ePM10 50% (M5) OR ePM1 80% (F9)
- Recirculated air: ePM1 55% (F7)
- Mounted on slides for easy replacement
- Simplified front access for quick maintenance

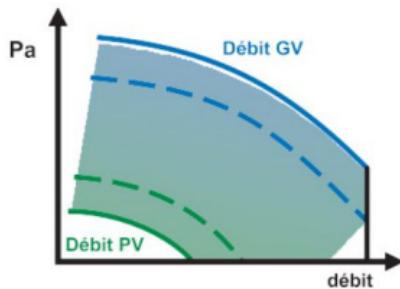
## Product designation

### EVERSKY 1100Q R FIRST DIVA

Range      Size      Right or left configuration      Climate version      Flow modulation

## Air flow modulation

DIVA: proportional modulation based on CO<sub>2</sub> levels



## Acoustic and airflow performance

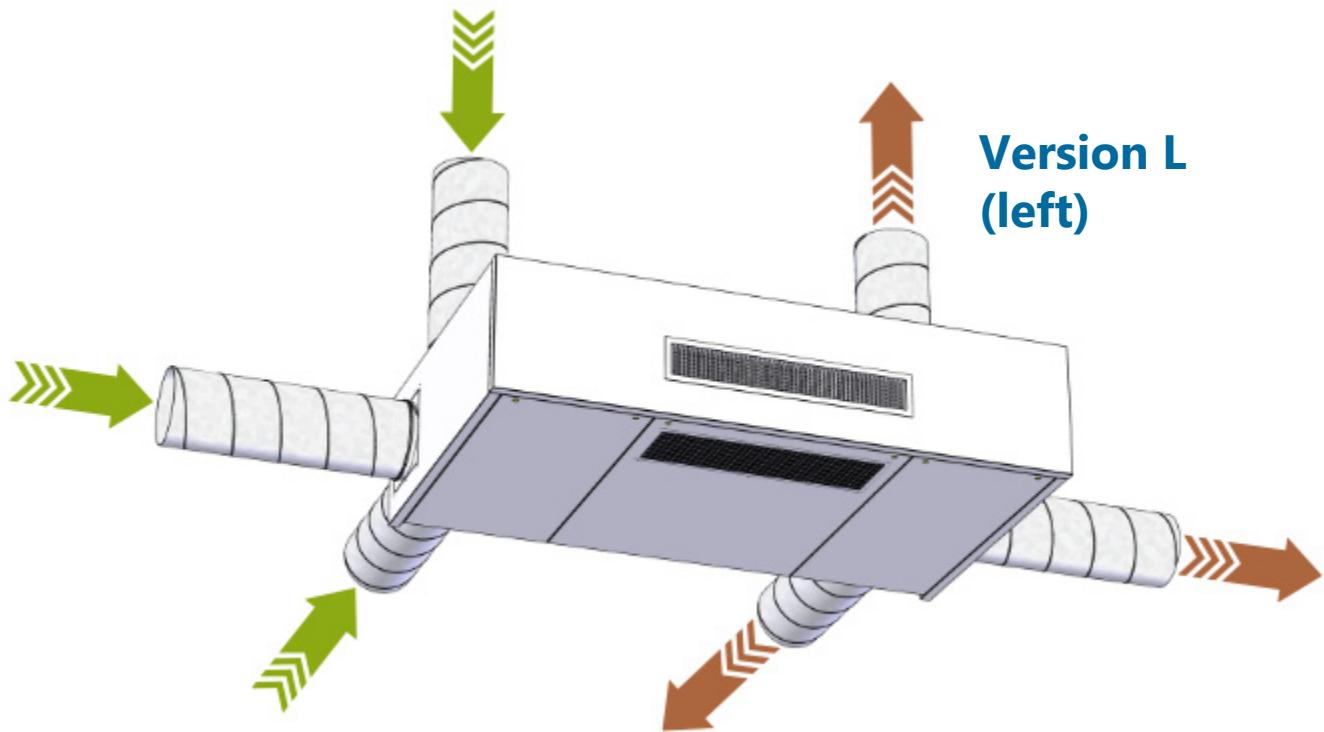
Lp.in	30 dB(A)	33 dB(A)	35 dB(A)	37 dB(A)	Boost
Flow rate	500 m <sup>3</sup> /h	600 m <sup>3</sup> /h	700 m <sup>3</sup> /h	800 m <sup>3</sup> /h	1400 m <sup>3</sup> /h

\*Data based on an overall attenuation of -10dB for a 300m<sup>3</sup> room, a reverberation time of 0.5s, at a distance of 2.5m from the sound source positioned on the ceiling against a wall with a directivity of 4 and an available pressure of 20Pa.

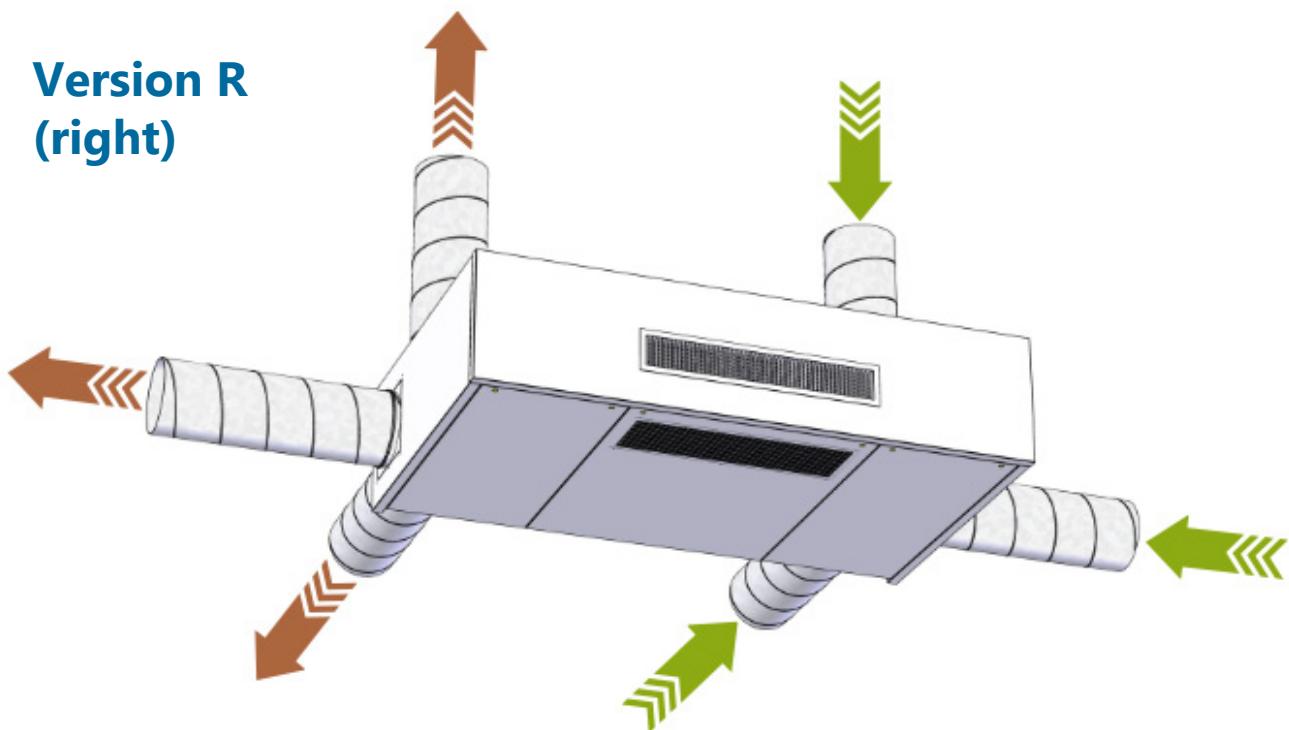


**The acoustic data is derived from measurements validated by an independent specialist laboratory and confirmed by on-site measurements under real conditions.**

## Configuration

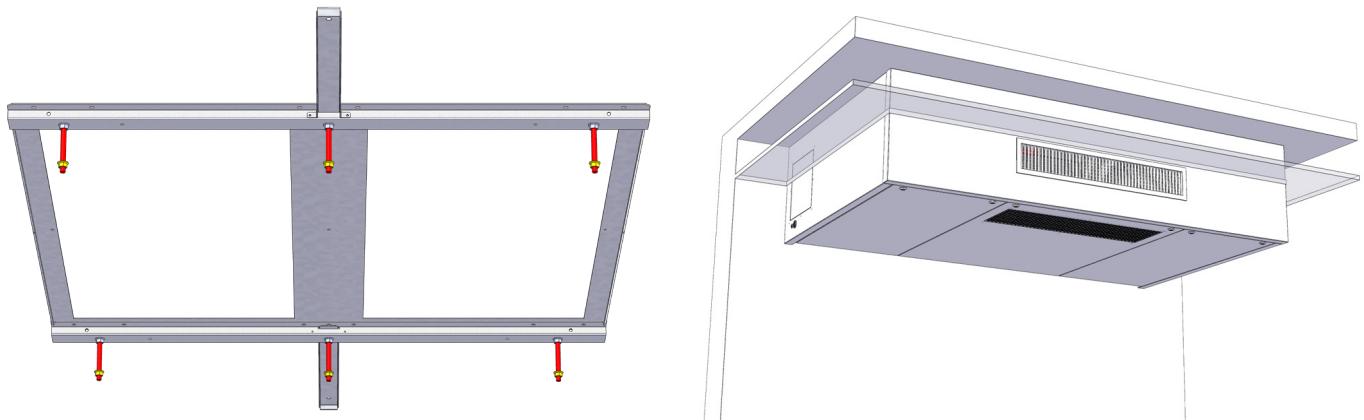


The EVERSKY™ Q power station is equipped with a patented system of modular circular tapping panels, offering three possible positions:  
rear, top or side.

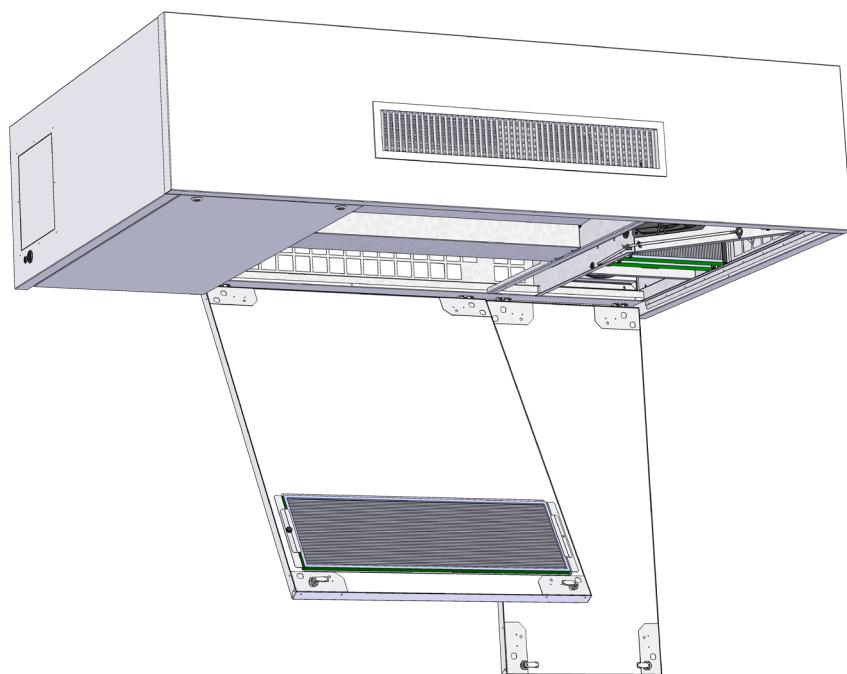


## Installation and maintenance

The unit must only be installed indoors, on the ceiling (with or without a false ceiling). It is designed for suspended mounting using threaded rods, thanks to a patented mounting bracket that also serves as a mounting template.



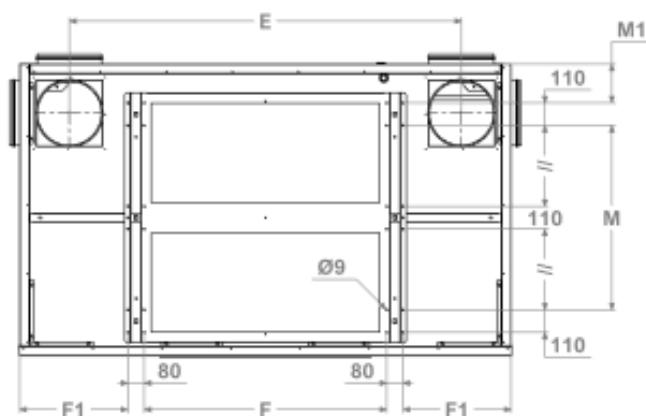
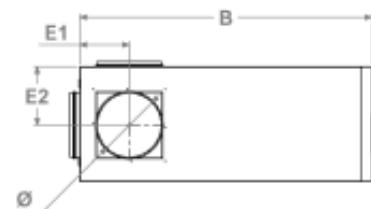
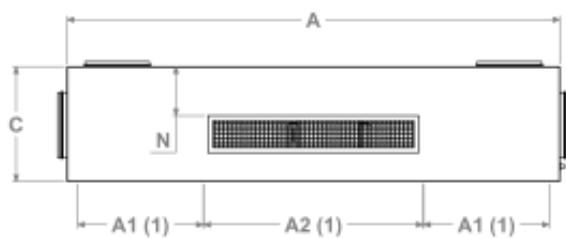
For maintenance purposes, all internal components are accessible from underneath the unit. The unit is equipped with three independent hinged doors, allowing for easy maintenance and quick access to the filters and all components.



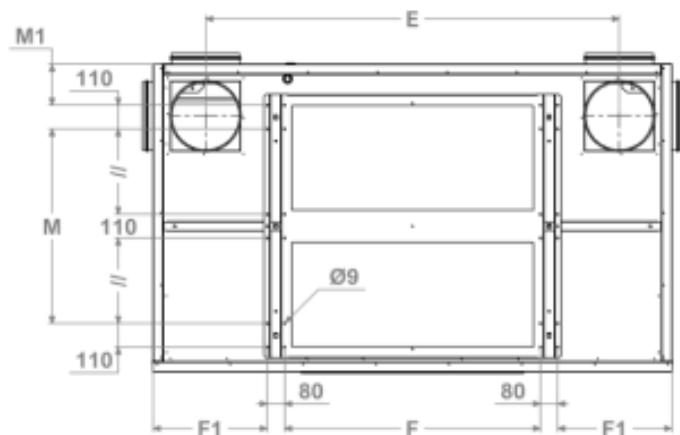
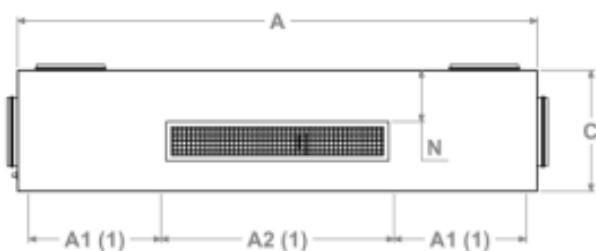
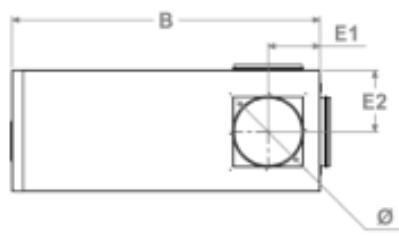
QR Code on the nameplate  
of your power station for instant access  
to its manual.

# Dimensions

Model	$\emptyset$	A	A1	A2	B	C	E	E1	E2	F	F1	M	M1	N	Weight
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	kg
1100	315	2405	615	1075	1425	560	1915	240	285	1185	530	900	190	235	240



**Version L  
(left)**



**Version R  
(right)**

## Electrical characteristics

Model	Electric motor power	Operating temperature:	Protection rating/class	Thermal protection
	(W)	(°C / °C)		
1100Q	4x170W	-25 / 60	IP 54/B	ITP (Integrated Thermal Protection)
Model	Supply voltage		Protection intensity	
	(V/Ph/Hz)		(A)	
1100Q	230 / 1 / 50		5,5	

## Equipment & features

### Integrated EASY 5.0 control:

- ◊ PG 5.0 colour touchscreen interface (IP54)
- ◊ Native MODBUS, BACnet and Web communication
- ◊ Full time programming: daily, weekly, holidays and public holidays
- ◊ Boost mode possible via time programming or external control

### Controls and monitoring:

- ◊ Remote control possible up to 100 m
- ◊ Pressure switches for filter clogging and fan monitoring



### Intelligent comfort management:

- ◊ 100% modulating bypass for FREE COOLING, FREE HEATING and NIGHT COOLING
  - FREE COOLING: use of outside air during hot periods
  - FREE HEATING: free heat recovery between seasons
  - NIGHT COOLING: automatic night-time cooling depending on weather conditions



### Lifting pump:

- ◊ Optional factory installation
- ◊ Mechanical condensate drainage

### Safety and operation:

- ◊ 5 modes available: off, continuous, normal, fan only, recovery only
- ◊ Fire function
- ◊ Priority digital 'External Off' input for fire safety and general shutdown

### External controls:

- ◊ Alarm output
- ◊ Low speed (or slow speed) forced operation input
- ◊ External stop input
- ◊ Fire protection input
- ◊ Remote firefighter stop

## Our online platforms



### CALADAIR MATRIX SOLUTION

Save time and ensure the accuracy of your selections with Softwair, the selection tool developed by Caladair to support your ventilation and air treatment projects. In just a few clicks, you can find the solution best suited to your technical, energy and regulatory requirements.

#### ◊ Quick & reliable selection

Define your criteria (air flow, pressure, efficiency, acoustics, etc.) and immediately obtain the most effective Caladair solution.

From Softwair:

Airflow data



Recovery technology

Counter flow

Fresh airflow rate (m<sup>3</sup>/h)

Exhaust airflow rate (m<sup>3</sup>/h)

Country

Fresh Air pressure (Pa)

Exhaust Air Pressure (Pa)

City

Climatic data (Winter / Summer)



Fresh Air temperature (°C)

Exhaust Air temperature (°C)

Fresh air humidity (%)

Exhaust air humidity (%)



Fresh Air temperature (°C)

Exhaust Air temperature (°C)

Fresh air humidity (%)

Exhaust air humidity (%)

Length 'A' (m)

Reverberation time (s)

Depth 'B' (m)

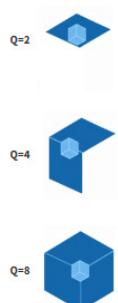
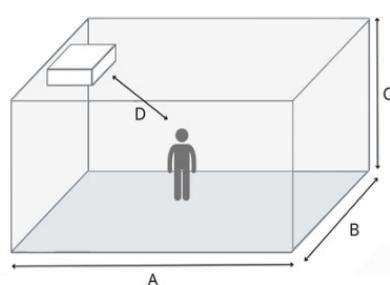
Distance 'D' (m)

Height 'C' (m)

Directivity 'Q'

Volume (m<sup>3</sup>)

Room attenuation (dB)



## ◊ Intuitive & user-friendly interface

Designed for professionals, the platform guides you step by step, without wasting time.

## ◊ Instant technical documents

Download your reports, graphs and sales documentation in a single click.

✓	Doc.	Rapport	BIM	Modèle	Configuration	Modulation de débit	Puissance	Lp1.5m intérieur	PSFP	Classe Energétique	Efficacité
<input type="checkbox"/>				EVERSKY 1100Q FIRST		Débit VARIABLE CO2 (DIVA)	243 [W]	40 [dB(A)]	875 [W.s/m <sup>3</sup> ]	A+ / A+	90 [%]

Access to commercial documentation

Choice of configuration  
(Right or left)



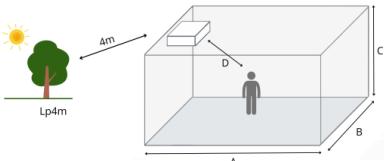
With BimGo™, easily integrate Caladair products into your digital models!  
Find our BIM catalogue, available in REVIT and IFC formats, at [www.bimobject.com](http://www.bimobject.com) (free access upon registration).

Generation of technical data sheets:

Fresh airflow rate	500	[m <sup>3</sup> /h]
Fresh air pressure	20	[Pa]
Exhaust airflow rate	500	[m <sup>3</sup> /h]
Exhaust air pressure	20	[Pa]
Length 'A'	12	[m]
Depth 'B'	10	[m]
Height 'C'	2.5	[m]
Volume	300	[m <sup>3</sup> ]
Distance 'D'	2.5	[m]
Reverberation time	0.5	[s]
Directivity	4	[ - ]

Lp4m

D	1m	2m	3m	6m
27	33	29	27	25



## ◊ Continuous updates

Softwair constantly integrates the latest Caladair innovations and product ranges.

## ◊ Free, open access

Available online, no installation required.

## Accessories & options

	Trigger box	OPT004852
	Comfort remote control 1V	REL010658
	Comfort remote control 2V	REL012655
	Air pressure switch Not fitted	OPT005075
	EDT2 Wall-mounted touchscreen USER control Not mounted	OPT046607
	FILTER F9 ePM1 80%	OPA044513
	FILTER M5 ePM10 50%	OPA044804
	Flexible cuff	OPT002428
	CONDENSATE PUMP KIT Not fitted	OPT044586
	CONDENSATE PUMP KIT Assembled	OPT047056

# CALADAIR



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