

TECHNICAL SPECIFICATIONS

InspirAIR® Home



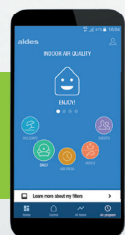
InspirAIR® Home

The Aldes connected solution for centralised air purification which beats to the rhythm of your life.

RESIDENTIAL HEAT RECOVERY & AIR PURIFICATION

CONTENTS

Présentation	P4
Range/Field of application	P5
Remote controls and AldesConnect™	P6
Fitting accessories	P7
Technical details	P8
Airflow details	P9
Acoustic details	P14
Installation	P18
Heart: installer interface for InspirAIR® Home Premium	P19
Installer interface for InspirAIR® Home Classic	P19
Thermal comfort mode operation	P19



Aldes
Connect



Aldes CAD Library
cad.aldes.com



* The new design, dimensioning and costing software platform for your ventilation projects.

** Tool for calculating fan energy consumption.

*** The quick costing application to produce your quotations in three clicks.

InspirAIR® Home

THE CENTRALISED CONNECTED AIR PURIFICATION SOLUTION SPECIALLY DESIGNED FOR RESIDENTIAL APPLICATIONS.

A centralised heat recovery air purification system for houses and apartments, **InspirAIR® Home** helps to free the incoming air from fine particles, pollutants and allergens and renew indoor air so that everyone can benefit from healthy air.

More purified air

With Aldes' new and exclusive filtration system, **InspirAIR® Home** lets you filter out up to 95% of fine particles¹ PM2.5 and PM10¹.

More control

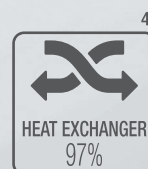
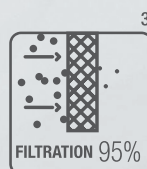
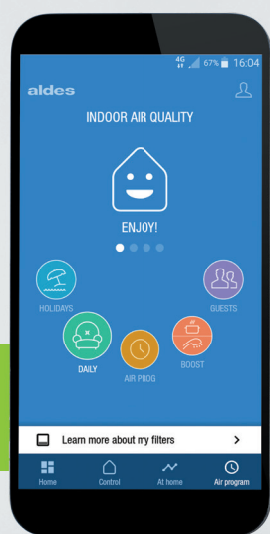
Solution connected to your Smartphone, developed exclusively by Aldes, **InspirAIR® Home** offers you the chance to monitor and act at any time on the indoor air quality using the AldesConnect™ application.

More intelligent design

With its pure, minimalist lines, the quality of its steel finishes and its brightly- and warmly-coloured heart, **InspirAIR® Home** has been designed to integrate with the most demanding interiors.

More comfort

InspirAIR® Home was developed to balance your indoor air by cooling it in summer and pre-heating it in winter² while insulating you from outside noise pollution.



¹ **InspirAIR® Home** fitted with a bacteria filter

² Class obtained according to Labelling Regulation 1254/2014 in local demand control mode

³ Up to 95% of fine particles¹ PM2.5 and PM10

⁴ High-efficiency heat exchanger with energy recovery: up to 97% efficient

PRESENTATION



InspiraIR® Home SC Classic



InspiraIR® Home SC Premium

STANDARDS AND REGULATIONS



- PassivHaus certified



- Constant airflow
NF certification
for InspiraIR® Home
SC240 et SC370



- PEB certified



- TÜV tested

Referenced
SAP - PCDB



FIELD OF APPLICATION

- Centralised connected air purification solution with heat recovery for collective housing treated individually and private houses.
- Renews the indoor air and filters the incoming fresh air.

DESCRIPTION

- 3 versions: Classic, Classic Modbus or Premium.
- 2 configurations: right or left.
- 2 installations: horizontal on ceiling or vertical on wall.
- 3 types of control available:
 - constant speed,
 - constant airflow (self-balanced),
 - constant pressure (hygro-adjustable)*.
- 4 speeds: Holiday, Everyday, Kitchen and Guests.
- Connectivity:
 - 0 - 10V for indoor air quality sensor (CO₂),
 - Modbus for integration in household appliances*,
 - Aldes IBus (for BCA Bus, Bahia Curve Bus, etc.),
 - AldesConnect™ smartphone app**.
- Installer control (see p. 11):
 - classic keyboard (**InspirAIR®** Home SC Classic and Modbus),
 - Heart (**InspirAIR®** Home SC Premium).
- User control (accessory, not supplied):
 - 2-speed wired remote control (push button),
 - 3-speed wired remote control,
 - 4-speed wired multifunction remote control,
 - AldesConnect™ smartphone app**.
- Filtration:
 - at extraction: One dust filter (standard),
 - on fresh air: 1 pollen filter (**InspirAIR®** Home SC Classic and Modbus),
1 fine particle filter (**InspirAIR®** Home SC Premium),
1 bacteria filter as accessory (to be used with a pollen filter to ensure a longer lifetime),
1 fine particle filter + VOC (active carbon),
accessory
 - Incoming air is still filtered in bypass mode.
- 100% bypass as standard.
- High-yield heat exchanger and energy-efficient motor.
- Air duct connection: 4 x D160 mm connectors.
- Installation in heated area.
- Frost protection by balancing airflows (as standard) and pre-heating of air using the BCA Bus pre-heating coil (accessory).
- Designed and manufactured in France.
- 2-year warranty.

*Standard on the Classic Modbus and Premium versions only

**Standard on the Premium version only

CONTENTS OF KITS

Designation	InspirAIR® Home Classic	InspirAIR® Home Classic Modbus	InspirAIR® Home Premium
Codes SC150	11023453/ 11023454	11023457/ 11023458	11023455/ 11023456
Codes SC240	11023310 / 11023311	11023446 / 11023447	11023312 / 11023313
Codes SC370	11023314 / 11023315	11023448 / 11023449	11023316 / 11023317
InspirAIR® Home	1	1	1
Mounting	1 mounting kit	1 mounting kit	1 cradle + mounting kit
Connector D160	0**	0**	4
Control keypad (integrated on unit)	1 (see description)	1 (see description)	1 (see description)
Water trap	1	1	1
Dust filter	1	1	1
Pollen filter	1	1	0**
Fine particle filter	0**	0**	1
Modem for AldesConnect™ app	0**	0**	1

*** component may be purchased separately (see accessories p. 7)

RANGE

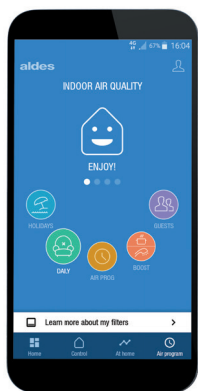
Designation	Codes
InspirAIR® Home SC150 Classic Right	11023453
InspirAIR® Home SC150 Classic Left	11023454
InspirAIR® Home SC150 Classic Modbus Right	11023457
InspirAIR® Home SC150 Classic Modbus Left	11023458
InspirAIR® Home SC150 Premium Right	11023455
InspirAIR® Home SC150 Premium Left	11023456
InspirAIR® Home SC240 Classic Right	11023310
InspirAIR® Home SC240 Classic Left	11023311
InspirAIR® Home SC240 Premium Right	11023312
InspirAIR® Home SC240 Premium Left	11023313
InspirAIR® Home SC240 Classic Modbus Right	11023446
InspirAIR® Home SC240 Classic Modbus Left	11023447
InspirAIR® Home SC370 Classic Right	11023314
InspirAIR® Home SC370 Classic Left	11023315
InspirAIR® Home SC370 Premium Right	11023316
InspirAIR® Home SC370 Premium Left	11023317
InspirAIR® Home SC370 Classic Modbus Right	11023448
InspirAIR® Home SC370 Classic Modbus Left	11023449

PERFORMANCE OF THE EXCLUSIVE ALDES FILTRATION SOLUTION*

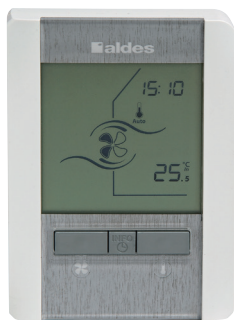
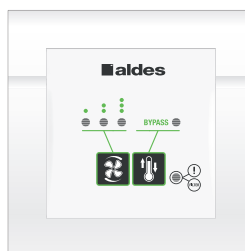
	 Pollen > 10 µm	 Fine Particle 10 µm	 Fine Particle 2,5 µm	 Bacteria 1 µm	 Volatile Organic Compound
POLLEN FILTER	99 %	95 %	40 %	15 %	-
FINES PARTICLE FILTER	> 99 %	> 99 %	> 99 %	80 %	-
BACTERIA FILTER	> 99 %	> 99 %	> 99 %	> 99 %	-
BACTERIA FILTER	> 99 %	> 99 %	> 99 %	> 99 %	Allows to eliminate gas and VOC from outside air

* As per EN779 2012

CONTROLS AND ALDESCONNECT™



AldesConnect™ application

Multifunction remote control
4 speed wiredRemote control
3 speed wiredRemote control
2 speed wired

DESCRIPTION

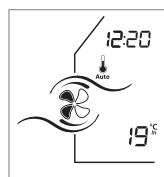
AldesConnect™

- Mobile Aldes app for Android and iOS smartphone*,
- Control and act on the indoor air quality, adapt the air purification, monitor changes in the indoor air quality and inform (notifications on the filters and personalised advice),
- Functions with Classic versions with the addition of AldesConnect™ Box.

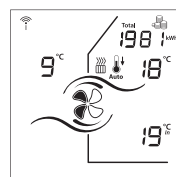


4-speed wired multi-function remote control

- LCD screen with white backlighting (60 x 60 mm),
- 3 control buttons,
- 1 home screen and 1 information screen,
- 4 speeds: Holiday, Everyday, Kitchen and Guests,
- User and installer interface.



Home screen



Information screen

3-speed wired remote control

- Flush-mounted remote control,
- Compatible with a standard electric device, 1 station,
- 2 control buttons and 5 LED,
- 3 speeds: Everyday, Kitchen and Guests,
- Material: White ABS,
- User and installer interface.

2-speed wired remote control

- Flush-mounted wired push button,
- Compatible with a standard electric device, 1 station,
- Material: White ABS,
- 2 speeds: Everyday and Kitchen,
- User interface.

Priority outdoor controls

- If your **InspirAIR®** Home is run by an outdoor control (Modbus or 0-10V connection), this will take priority over your local remote control.

Using several controls at the same time, including the AldesConnect™ app

- If your **InspirAIR®** Home is connected to several remote controls in your home, the last adjustment requested will be taken into account.
- It is inadvisable to use both the **AldesConnect app** and the four-speed, multi-function remote control with the timed programmings.
- Choose one of them to record your timed programming to avoid conflicts.

RANGE

Designation	Code
2-speed remote control - push button	11026011
3-speed wired remote control	11023065
4-speed wired remote control	11023334
AldesConnect™ Box	11023386

ACCESSORIES

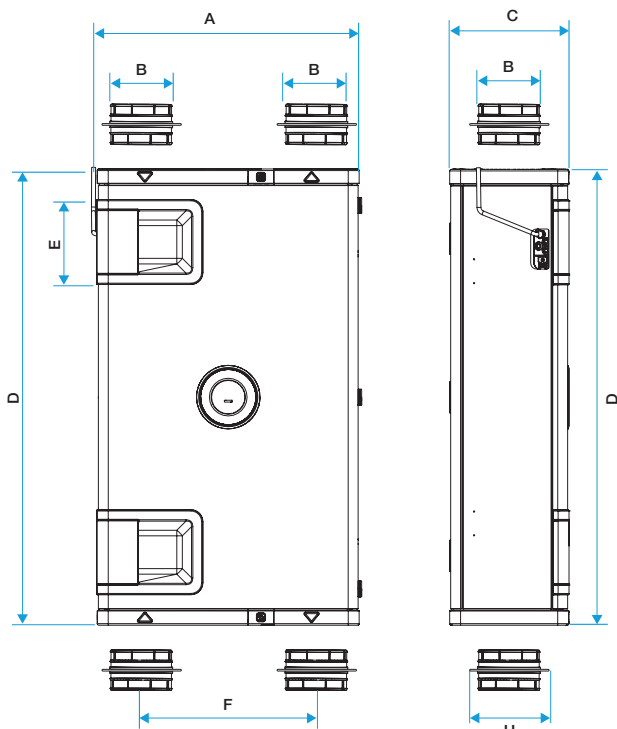
Product	Designation	Range code			Characteristics
		SC150	SC240	SC370	
	« Blind» Finish hatch	11023321			Metal finishing hatch with frame to hiding the product in false ceiling or vertical mounting
	«Port hole» Finish hatch	11023440			Metal finishing hatch with frame to hiding the product in false ceiling or vertical mounting and a windows to see the beating heart
	Distribution casing	-	11023323	11023327	2-in-1 single unit distribution boxes (air supply/recovery) for Optiflex ducts
	Duct cover	-	300 mm : 110233324	300 mm : 11023328	Decorative metal cover to be installed above or below the unit for discreet integration of ductwork
			500 mm : 11023398	500 mm : 11023399	
			Finition: 11023426	Finition: 11023427	
	Mounting cradle	11023322			Standard on Premium version
	Ceiling penetration manifold	-	21023338	21023339	Used to facilitate the installation of air ducts via ceiling penetrations, without affecting the air tightness of the building structure or the ductwork
	Calogaine seal connector D160	Inclus	11023209		Connector D160 (plastic or galvanised)
	Sealed male galvanised connector D160	-	11098163		
	Dust filter	11023469	11023325	11023329	Filtration: • at extraction: One dust filter (standard), • on fresh air: 1 pollen filter (InspirAIR® Home SC Classic and Modbus), 1 fine particle filter (InspirAIR® Home SC Premium), Accessories: 1 bacteria filter as accessory (to be used with a pollen filter to ensure a longer lifetime), 1 fine particules + VOC filter (active carbon).
	Pollen filter	11023459	11023340	11023341	
	Fine particle filter	11023460	11023326	11023330	
	Bacteria filter	11023461	11023331	11023332	
	VOC filter	11023462	11023438	11023439	
	CO ₂ sensor	11017090			Controls the CO ₂ level in the dwelling
	230 V/24 V power supply	11017180			Supplies the CO2 sensor
	BCA Bus	11023225			BCA Bus pre-heating coil
	Bahia Curve terminal*	-	11015490*		Humidity-controlled kitchen exhaust outlet

*Premium and Classic Modbus only

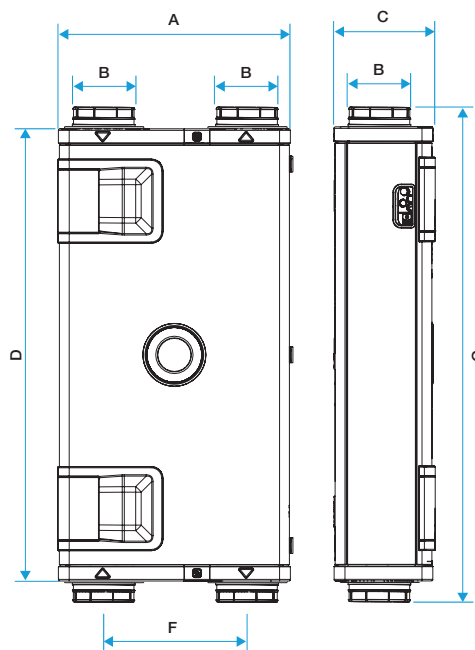
TECHNICAL DETAILS

DIMENSIONS (MM) - WEIGHT

• InspirAIR® Home Premium / Classic SC240 & SC370



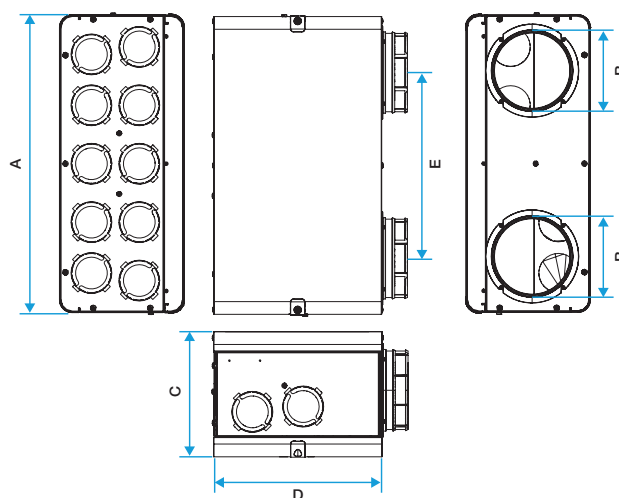
• InspirAIR® Home Premium / Classic SC150



	A	B	C	D	E	F	G	Weight
InspirAIR® Home SC150	600	Ø 160	200	1070	215	420	1150	27 kg
InspirAIR® Home SC240	600	Ø 160	250	1150	215	365	-	30 kg
InspirAIR® Home SC370	670	Ø 160	300	1150	215	420	-	34 kg

• Distribution casing

	A	B	C	D	E
InspirAIR® Home SC240	600	Ø 160	250	330	365
InspirAIR® Home SC370	670	Ø 160	300	330	420



ELECTRICAL DETAILS

- Power supply: 230 V - 50 Hz single-phase.
- Protection rating: IPX2, class I.

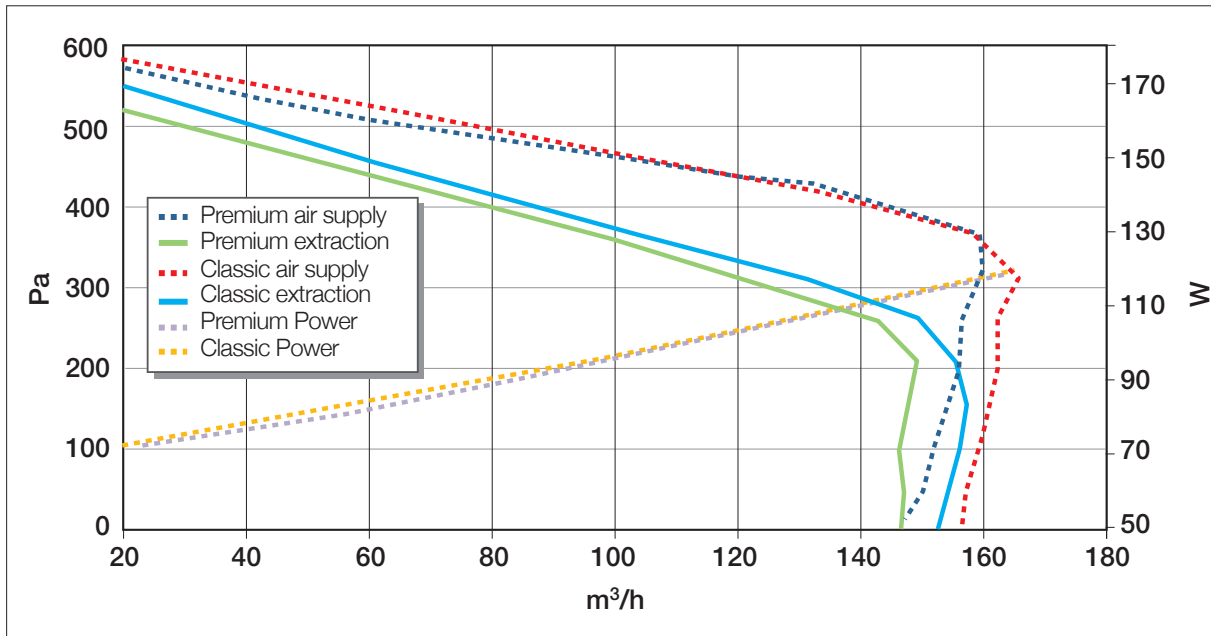
	Max. current	Max. power
InspirAIR® Home SC150	1,2 A	135 W
InspirAIR® Home SC240	1,75 A	183 W
InspirAIR® Home SC370	2 A	234 W

AIRFLOW DETAILS

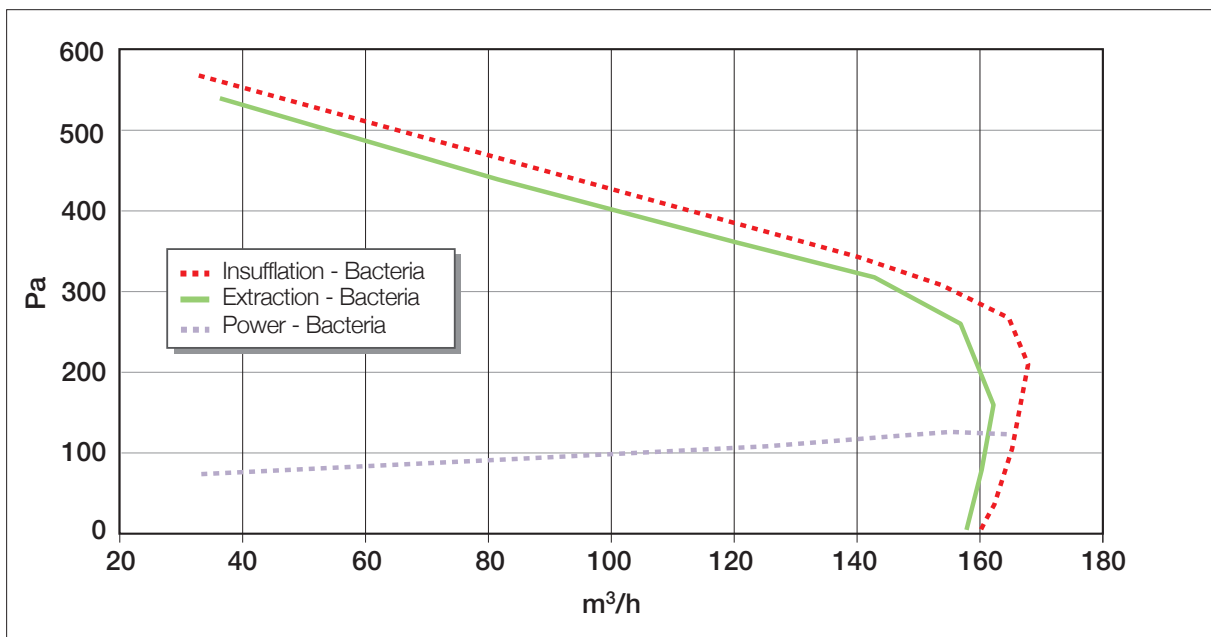
OVERALL GRAPHS (AIRFLOW/PRESSURE/POWER)

InspirAIR® Home SC150

- With pollen filter (Classic) or fine particle filter (Premium) or VOC filter (accessory).



- With bacteria filter (accessory).

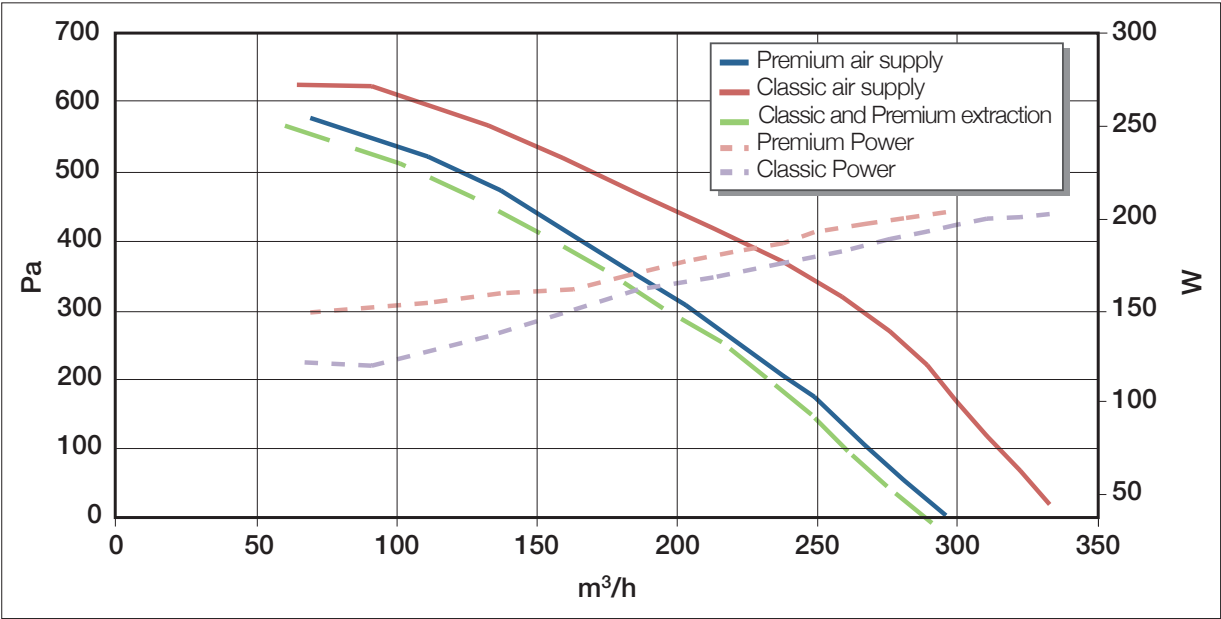


AIRFLOW DETAILS

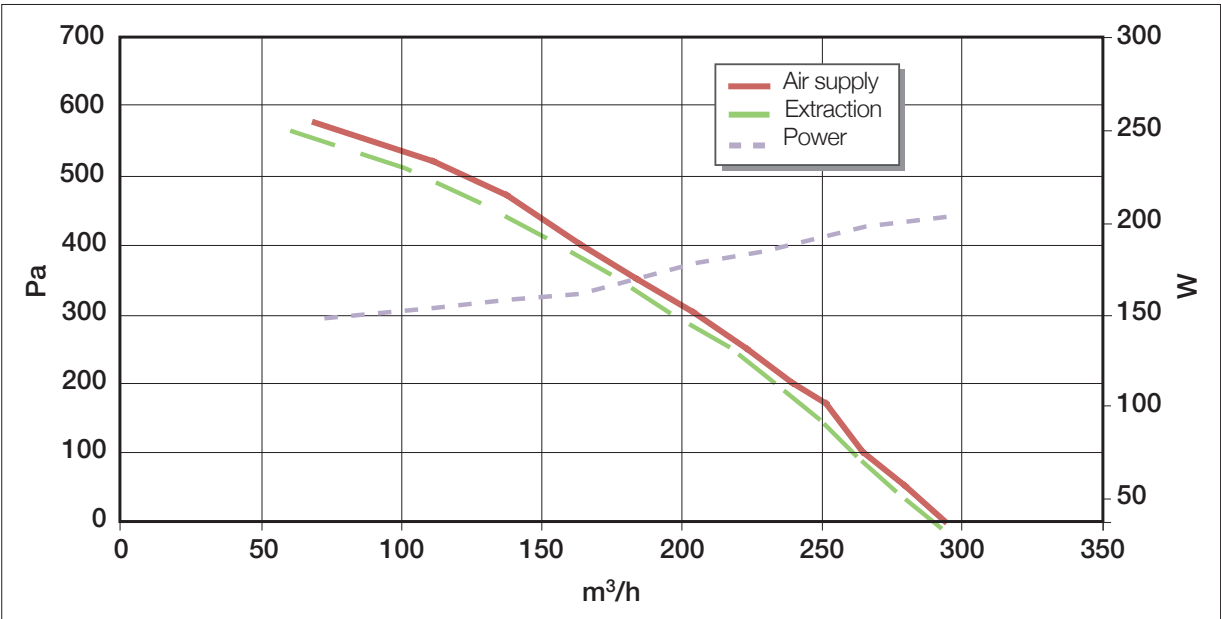
OVERALL GRAPHS (AIRFLOW/PRESSURE/POWER)

InspirAIR® Home SC240

- With pollen filter (Classic) or fine particle filter (Premium) or VOC filter (accessory).



- With pollen and bacteria filter (accessory).

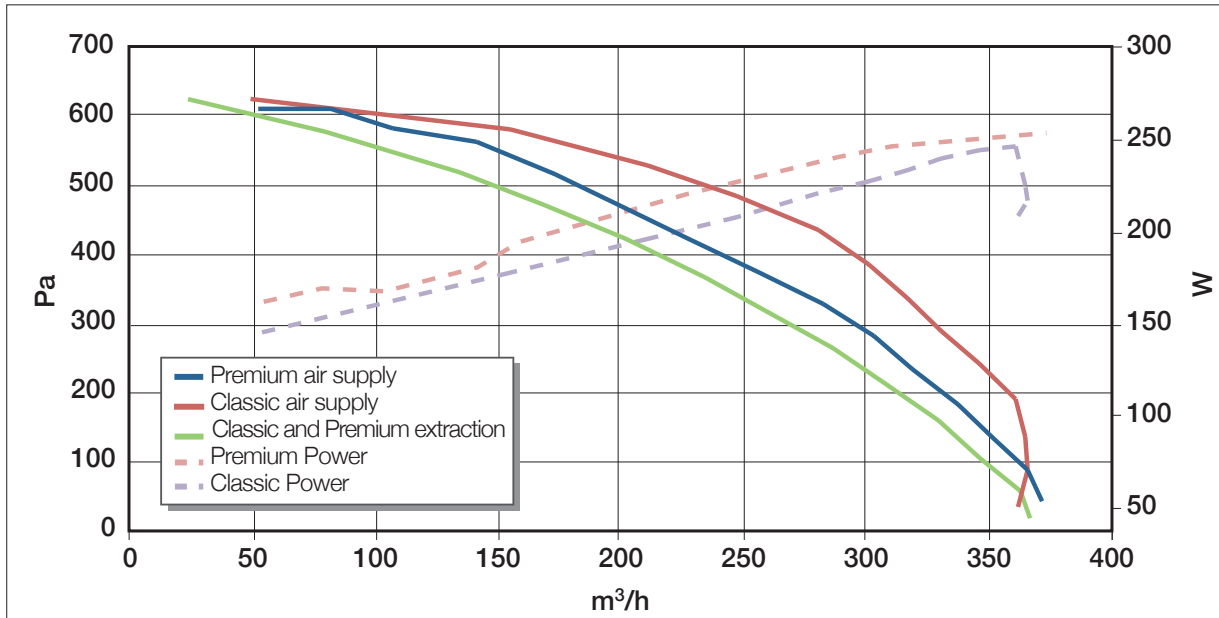


AIRFLOW DETAILS

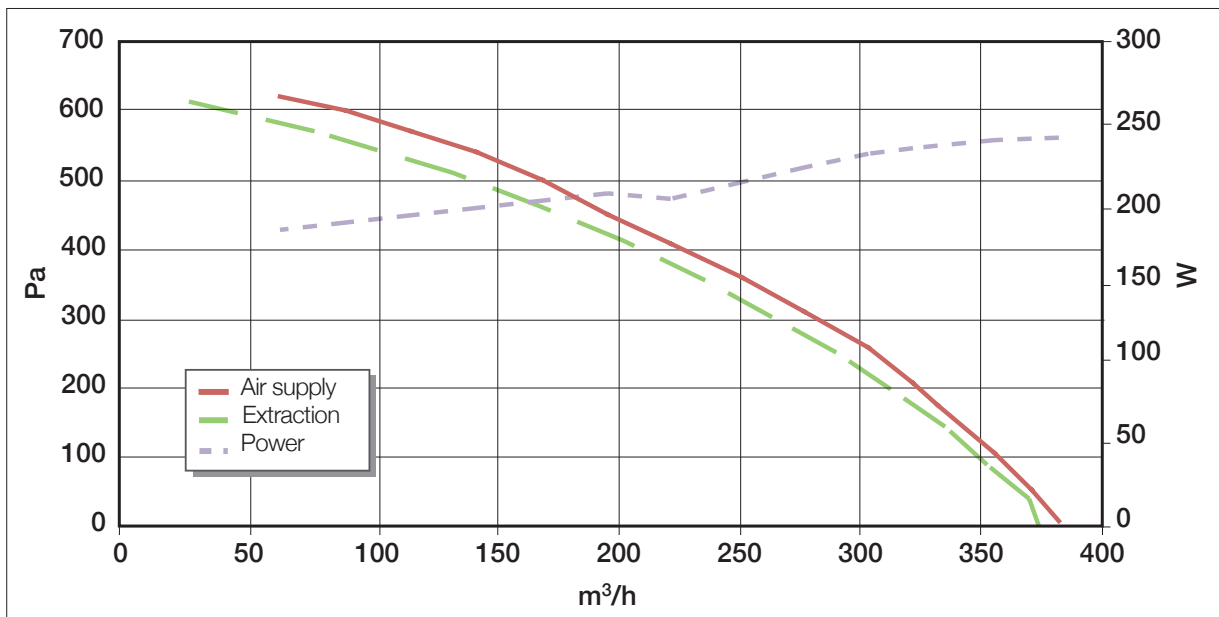
OVERALL GRAPHS (AIRFLOW/PRESSURE/POWER)

InspirAIR® Home SC370

- With pollen filter (Classic) or fine particle filter (Premium) or VOC filter (accessory).



- With pollen and bacteria filter (accessory).

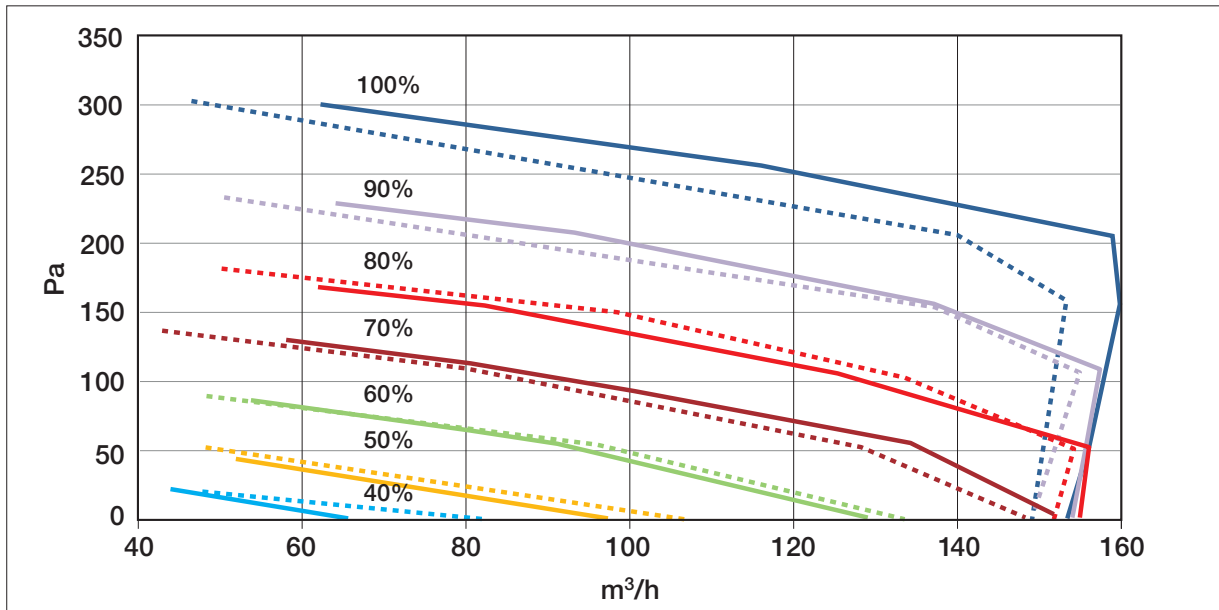


AIRFLOW DETAILS

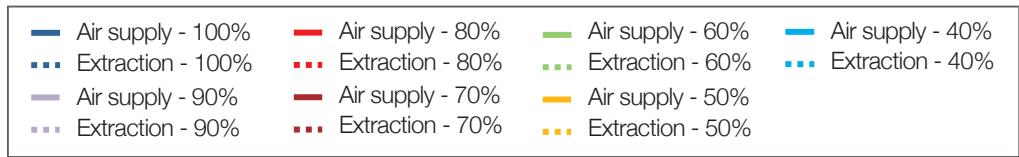
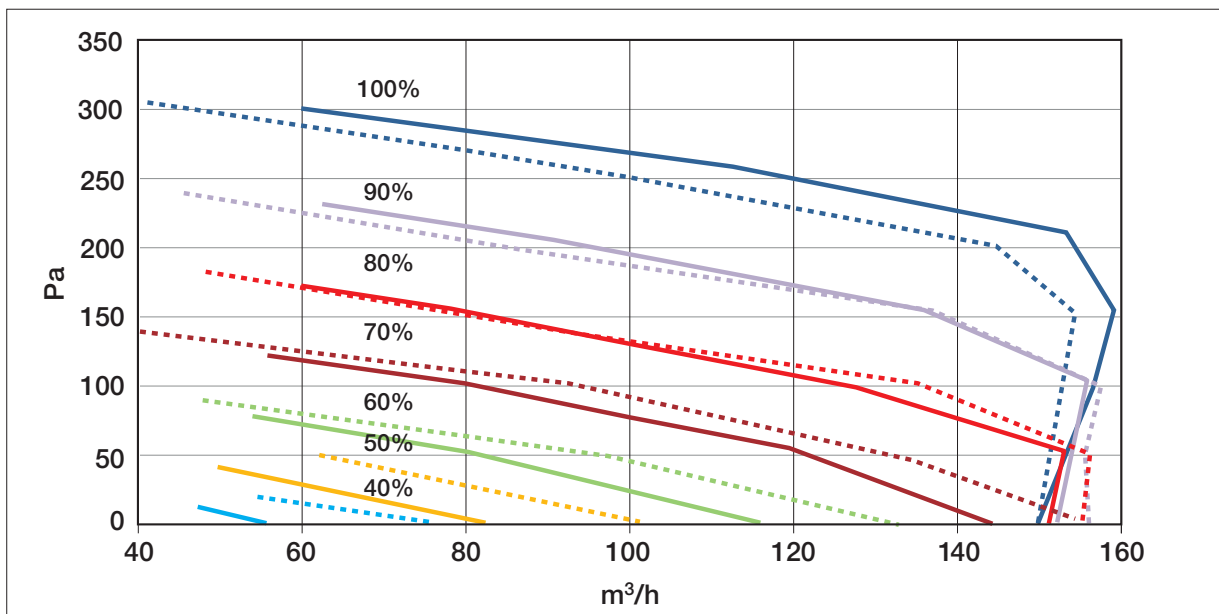
VITESSE CONSTANTE (DÉBIT/PRESSION)

InspirAIR® Home SC150

- With pollen filter (Classic)



- With fine particle filter (Premium)

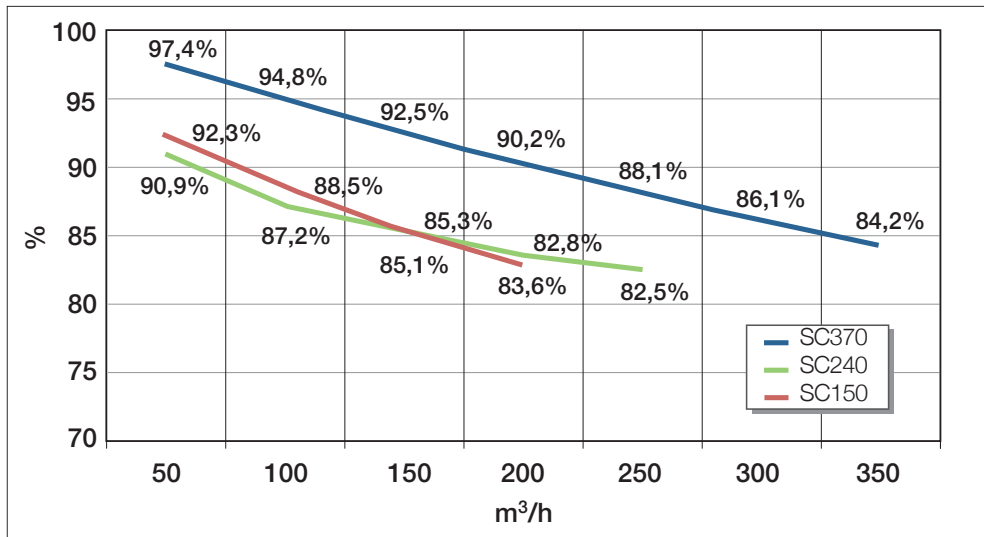


AIRFLOW DETAILS

THERMAL EFFICIENCY

- Heat exchanger only as per EN308
Exhaust air manufacturer's datas

- Test conditions:
 - Outdoor air = dry air at 5°C, RH < 20%
 - Indoor air = dry air at 25°C, RH < 20%



- Heat exchanger only as per EN 13141-7

	Airflow (m³/h)	Pressure (Pa)	Efficiency (%)
InspirAIR® Home SC150	60	50	92,6
	108	50	90,2
	150	100	89,5
InspirAIR® Home SC240	80	50	94,5
	180	50	89,7
	240	100	88,5
InspirAIR® Home SC370	68	50	94
	220	50	89
	310	100	88,5

- Heat exchanger only as per EN308

	Airflow (m³/h)	Pressure (Pa)	Efficiency (%)
InspirAIR® Home SC150	70	65	84
	120	80	83
	150	100	81
	150	100	81

THERMAL EFFICIENCY PASSIVEHAUS



	Airflow range	Efficiency
InspirAIR® Home SC150	80 - 120 m³/h	in progress
InspirAIR® Home SC240	123 - 187 m³/h	86%
InspirAIR® Home SC370	100 - 242 m³/h	87%

THERMAL EFFICIENCY PEB (as per EN308)



	Airflow (m³/h)	Pressure (Pa)	Efficiency (%)
InspirAIR® Home SC150	70	65	in progress
	120	80	in progress
	150	100	in progress
InspirAIR® Home SC240	123	100	83
	262	100	77
InspirAIR® Home SC370	120	100	86
	251	100	83
	310	100	81

bre

- As per SAP-PCDB

InspirAIR® Home SC240

K+n wet rooms	SFP (W/l/s) 2009	Efficiency 2009	SFP (W/l/s) 2012	Efficiency 2012
n = 1	-	-	0,91	87%
n = 2	0,89	87%	1,01	87%
n = 3	0,94	87%	1,18	85%
n = 4	1,07	86%	1,37	85%
n = 5	1,15	85%	-	-
n = 6	1,31	85%	-	-
n = 7	1,58	84%	-	-

- As per SAP-PCDB

InspirAIR® Home SC370

K+n wet rooms	SFP (W/l/s) 2009	Efficiency 2009	SFP (W/l/s) 2012	Efficiency 2012
n = 1	-	-	0,90	91%
n = 2	0,84	91%	0,92	91%
n = 3	0,87	91%	1,04	90%
n = 4	0,95	90%	1,21	89%
n = 5	1,06	90%	1,39	89%
n = 6	1,20	89%	1,64	89%
n = 7	1,38	89%	-	-

ACOUSTIC DETAILS

- InspirAIR Home alone (as per NF EN ISO 3741 02-2012 and NF EN ISO 5135 07-1999)

InspirAIR® Home SC150

%	Airflow Q _v	Pressure Δ P _{st}	Power consumption	Intensity	Product sound power level	Sound pressure level (in duct) L _w dB(A)	
%	m ³ /h	Pa	W	A	L _w dB(A)	Extract	Supply
30	40	7	10,3	0,09	< 30,8	< 37,3	< 43,3
40	60	15	14,8	0,12	< 34,7	< 40,4	< 49,5
50	75	25	19,3	0,15	< 38,2	45,2	53,3
60	90	35	25,6	0,2	< 41,8	47,8	56,7
70	105	50	33,9	0,26	< 45	51	59,8
80	120	65	43,6	0,33	48,4	53,5	62,5
90	135	80	56,5	0,42	51,6	56,1	64,8
100	150	100	73,2	0,54	52,3	58,3	66,8

InspirAIR® Home SC240

Airflow Q _v	Pressure Δ P _{st}	Sound pressure level (in duct) L _w dB(A)	
m ³ /h	Pa	Extract	Supply
60	60	42,8	56,2
90	70	44,1	57,7

InspirAIR® Home SC370

Airflow Q _v	Pressure Δ P _{st}	Sound pressure level (in duct) L _w dB(A)	
m ³ /h	Pa	Extract	Supply
90	70	44,6	56,9
120	80	46,9	60
165	100	50	63,9
180	110	51,2	64,8
195	115	51,9	65,8
240	150	54,8	68,7
300	200	58	71,2

- With InspirAIR® Home distribution boxes (Reading taken with 1 m acoustic insulation ducting between the distribution casing and the product)

InspirAIR® Home SC240

Airflow Q _v	Pressure Δ P _{st}	Product sound power level
m ³ /h	Pa	L _w dB(A)
120	80	46,0
165	100	51,1
170	50	49,5
195	120	53,2

Airflow Q _v	Pressure Δ P _{st}	Sound pressure level (in duct) L _w dB(A)	
m ³ /h	Pa	Extract	Supply
90	70	35,3	31,8
135	85	34,7	26,6
165	100	37,4	29,8

InspirAIR® Home SC370

Airflow Q _v	Pressure Δ P _{st}	Product sound power level
m ³ /h	Pa	L _w dB(A)
120	80	46,5
195	115	52,6

Airflow Q _v	Pressure Δ P _{st}	Sound pressure level (in duct) L _w dB(A)	
m ³ /h	Pa	Extract	Supply
90	70	30,8	29,4
180	110	35,3	30,8
240	150	39	34,6

ACOUSTIC DETAILS

InspirAIR® Home SC150• **Sound, supply air**Sound power L_w (dB) at the supply air connection at a distance of 0 m according to ISO 3741

%	Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
%	m³/h	Pa							
30	40	7	< 56,5	45,5	40	36,2	< 24	< 16,5	< 18,9
40	60	15	< 61	52,5	46	43,7	32,8	< 23,3	< 19,5
50	75	25	64,9	56,4	49,2	47,4	36,9	< 28,4	< 21,2
60	90	35	68,5	59,8	52,4	51,0	41,2	33,9	< 25,3
70	105	50	71,7	62,5	55,4	54,0	44,7	38,0	29,7
80	120	65	74,5	65,5	57,8	56,6	48,0	41,8	34,1
90	135	80	77,0	68,0	59,9	58,6	50,7	44,5	37,5
100	150	100	79,5	69,8	61,7	60,0	52,9	46,7	40,2

• **Sound, extract air**Sound power L_w (dB) at the extract air connection at a distance of 0 m according to ISO 3741

%	Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
%	m³/h	Pa							
30	40	7	< 54,5	< 37,4	27,8	< 16,8	< 12,6	< 15,2	< 19,2
40	60	15	< 56,7	< 41,5	30,9	< 21,6	< 14,0	< 15,6	< 19,2
50	75	25	60,9	47,4	35,0	< 25,7	< 15,5	< 15,9	< 19,2
60	90	35	63,1	50,9	37,7	28,4	< 17,5	< 16,3	< 19,2
70	105	50	66,3	54,2	40,6	30,6	< 19,6	< 17,6	< 19,2
80	120	65	69,1	56,4	43,1	32,8	< 22,1	< 19,2	< 19,3
90	135	80	71,9	59,1	45,6	34,4	< 24,4	< 20,8	< 19,5
100	150	100	73,9	61,4	47,4	36,1	< 26,6	< 22,4	< 19,3

• **Sound, unit emission**Sound power L_w (dB) at unit at a distance of 0 m according to ISO 3741

%	Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
%	m³/h	Pa							
30	40	7	41,4	29,6	30,7	< 22,8	< 16,7	< 15,5	< 21,1
40	60	15	44,1	35,3	33,1	29,5	< 22,0	< 16,9	< 21,0
50	75	25	47,7	39,9	35,1	33,6	26,4	< 19,9	< 21,2
60	90	35	50,8	44,4	38,0	37,0	30,4	< 24,2	< 21,8
70	105	50	54,0	47,3	42,8	39,8	33,9	< 28,3	< 23,2
80	120	65	56,8	49,9	48,0	42,4	37,1	31,8	< 25,5
90	135	80	58,7	52,0	52,2	44,3	39,7	34,4	28,6
100	150	100	60,2	54,0	50,9	45,9	42,2	36,5	31,4

ACOUSTIC DETAILS

InspirAIR® Home SC240

• **Sound, supply air**

Sound power L_w (dB) at the supply air connection at a distance of 0 m according to ISO 3741

Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
m^3/h	Pa							
60	60	69,4	58,6	53,2	48,2	37,6	<28,7	<21,5
90	70	69,9	59,6	55,4	51,2	41,2	31,4	<23,5

• **Sound, extract air**

Sound power L_w (dB) at the extract air connection at a distance of 0 m according to ISO 3741

Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
m^3/h	Pa							
60	60	59,0	40,2	34,7	28,2	<18,4	<16,6	<19,5
90	70	60,4	42,4	36,8	30,9	<20,7	<17,4	<19,9

ACOUSTIC DETAILS

InspirAIR® Home SC370

- **Sound, supply air**

Sound power L_w (dB) at the supply air connection at a distance of 0 m according to ISO 3741

Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
m^3/h	Pa							
90	70	67,8	59,4	55,4	50,1	41	28,4	<21,7
120	80	70,2	62	58,4	54,2	45,1	32,8	<25,2
165	100	74	64,5	62,5	58,8	49,8	38	30,2
180	110	75,3	65,2	63,4	59,8	50,8	39,6	32
195	115	76,3	65,9	64,3	60,6	51,9	41	33,6
240	150	79,7	68,9	66,7	63,5	55,8	46,2	40
300	200	81,6	71,4	68,4	66,3	59,4	50,5	45,5

- **Sound, extract air**

Sound power L_w (dB) at the extract air connection at a distance of 0 m according to ISO 3741

Airflow Q_v	Pressure ΔP_{st}	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz
m^3/h	Pa							
90	70	60,8	40,6	38,4	31,7	<19,8	<15,7	<19,4
120	80	63,0	42,8	40,1	38,4	<23,2	<16,2	<19,3
165	100	66,1	46,4	43,3	38,3	<27,3	<17,4	<19,5
180	110	67,3	47,3	44,9	39,6	<28,8	<18,4	<19,5
195	115	68,1	47,7	45,4	40,2	<29,4	<18,7	<19,6
240	150	70,6	51,3	48,5	42,9	33,6	22,3	<20,6
300	200	73,6	55,4	51,1	45,5	37,4	<26,5	<22,9

INSTALLATION

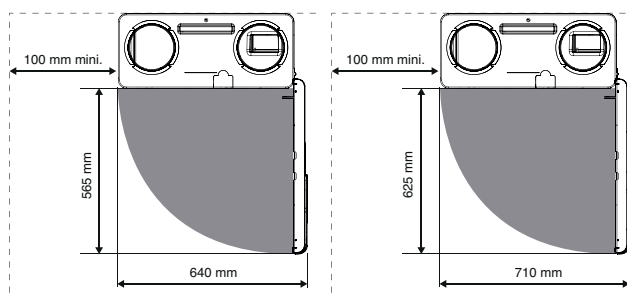
- Product fixed vertically to the wall or horizontally to the ceiling, mounting flat on the ground prohibited.
- Fixing cradle supplied with **InspirAIR® Home SC Premium** version.
- Condensate drain to connect to the D32 PVC pipework.

- D160 connectors.
- The product must be installed without fail in an insulated, frost-protected room. Aldes recommends installing the product in a heated space to ensure it works to the best of its ability.

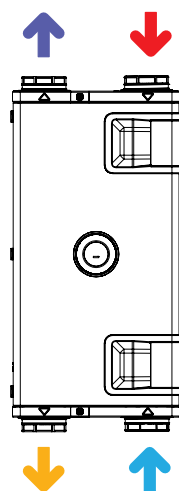
CLEARANCE REQUIRED TO ACCESS THE HEAT EXCHANGER

InspirAIR® Home SC150 & SC240

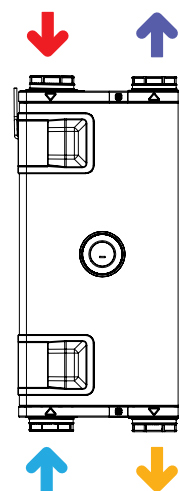
InspirAIR® Home SC370



LEFT VERSION

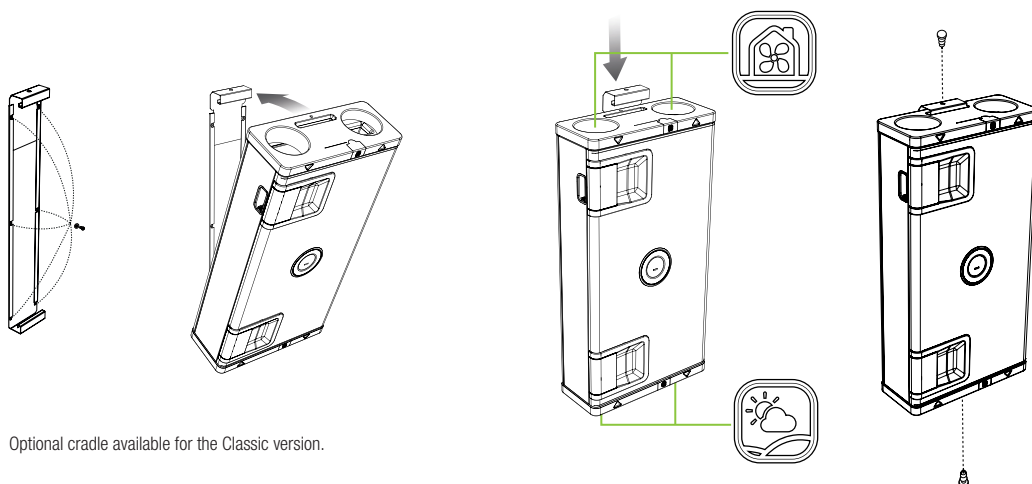


RIGHT VERSION



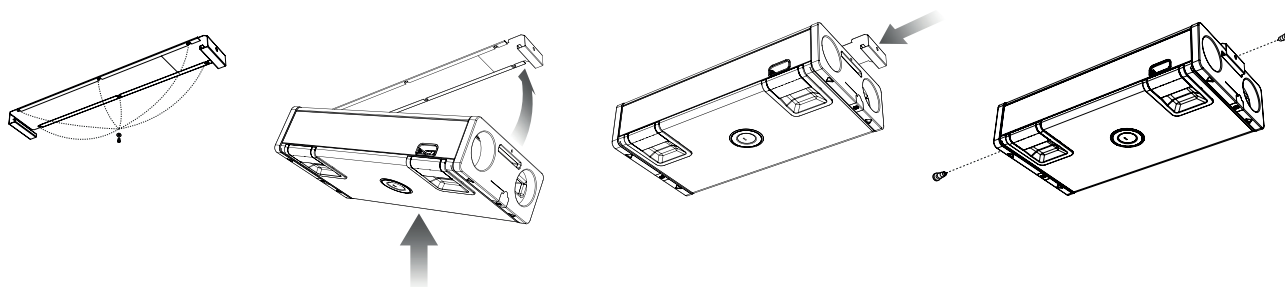
- Fresh air intake (outdoors)
- Air discharge (outdoors)
- Exhaust air (indoors)
- Air supply (indoors)

WALL MOUNTING EXAMPLE (VERSION **InspirAIR Home SC PREMIUM**)



Optional cradle available for the Classic version.

CEILING MOUNTING EXAMPLE (VERSION **InspirAIR Home SC PREMIUM**)



HEART: INSTALLER INTERFACE (PREMIUM VERSION)

DESCRIPTION

- Graphic screen with six touch buttons and white OLED screen on black,
- Luminous ring.

Functions accessible to the end user and the installer:

- Choice of language (Fr, Gb, De, Nl, It, Esp),
- Choice of comfort mode (automatic, priority cooling or priority heating),
- Choice of luminous ring mode (stand-by, pulsed in time with the ventilation or colour depending on the indoor air quality),
- Choice of filter timer (3, 6, 9 or 12 months); 9 months by default,
- Thermal comfort temperature adjustment,
- Filter clogging level display,
- Filter timer reinitialisation.

Functions accessible to the installer (non-exhaustive):

- Choice of constant speed regulation mode: constant speed, constant airflow (self-balanced), or constant pressure (hygro-adjustable),
- Adjustment of the airflow (m^3/h or l/s), speed (%) or pressure (Pa) depending on the regulation mode chosen,
- Imbalance adjustment (air supply, recovery),
- Choice of timer for speeds 0, 2 and 3,
- Installation audit: displays the chosen regulation mode, the imbalance value, the filter clogging level, the ancillary equipment connected and also the serial number, software version, etc.
- Accessories connexion: remote controls, CO_2 sensor, pre-heating battery...
- Error code display.



*When a CO_2 sensor is connected.

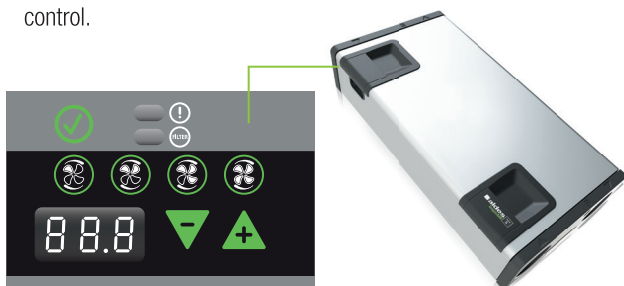
INSTALLER INTERFACE (CLASSIC AND CLASSIC MODBUS VERSIONS)

DESCRIPTION

- Keyboard with 7 buttons and a 3-figure LED screen,

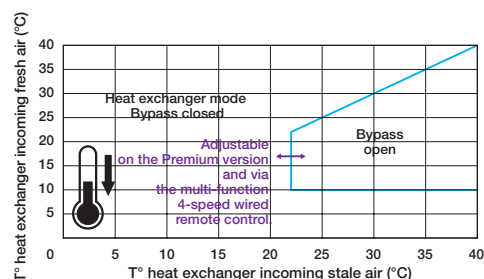
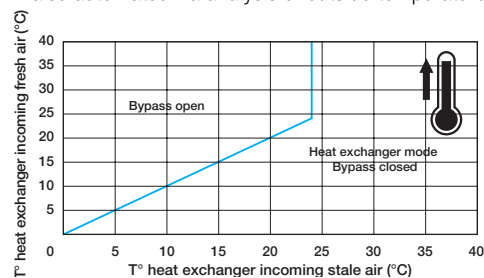
Functions:

- Choice of regulation mode: constant speed, constant airflow (self-balanced) and variable airflow depending on the CO_2 and constant pressure (hygro-adjustable) for Classic Modbus version,
- Adjustment of the airflow (m^3/h) or speed (%) depending on the regulation mode chosen,
- Imbalance adjustment (air supply/recovery),
- Additional functions with the 4-speed wired multifunction remote control.



THERMAL COMFORT MODE OPERATION

- 100% bypass.
- The bypass operates automatically according to the following graphs.
- If automatic mode is activated, detection of hot or cold mode is also automated via analysis of outside temperature conditions

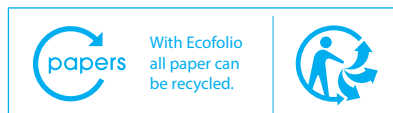


* The $T^\circ\text{C}$ of the fresh air (coming from outside) is lower than the $T^\circ\text{C}$ of the ambient air.



Find out more about the InspirAIR® Home Residential HRV air purification system,
contact your Aldes sales advisor or visit aldes.com

or visit



With Ecofolio
all paper can
be recycled.

