



Range of domestic MVHR units with low consumption EC motors and high efficiency counterflow heat exchangers available both in sensible and enthalpy versions (up to 92% sensible recovery, and up to 82% latent recovery). The units assure a continuous and balanced ventilation system, extracting moist stale air from the wet rooms and at the same time introducing a tempered and filtered fresh air to the habitable rooms. The optimized design allows compliance with the highest standards assuring a very low leakage level, high thermal insulation and a minimal sound level. The integrated humidity sensor allows an automatic function tracking the indoor humidity and proportionally adjusting the fans speed. The unit contains as a standard iso coarse 65% (G4) filters in the supply and extract airflows to clean the incoming air and protect the heat exchanger. For higher air quality an optional ePM1 70% (F7) filter can be installed in the supply air channel. An integrated 100% bypass is activated either automatically or manually. The bypass is particularly useful when the indoors temperature is higher than outdoors and free cooling is preferable.

**SABIK ENTHALPY VERSIONS**

- Recover humidity to maintain a comfortable and healthy air quality.
- Reduced risk of freezing: Frost protection activates at lower outdoor temperatures, which leads to higher efficiency.
- During summertime, enthalpy exchangers reduce humidity concentration in the incoming air: Increased energy savings.



DESIGNED FOR AN EASY INSTALLATION

**INSTALLATION FRIENDLY**

A versatile product with advantages for installation.

The airflow direction paths can be handed to allow for alternate on-site configurations of duct routing.

A range of accessories lets the end user tailor the functions of the system to their specific requirements.

**Characteristics:**

- High efficiency counterflow heat exchangers available in sensible and enthalpy versions.
- Low consumption EC motors.
- Minimal sound level.
- Automatic/manual bypass.
- Possibility of impulsion through the lower face.
- Install friendly.
- User friendly.
- Customisable.
- Modularity:
  - Integrable preheating coil (optional).
  - SERVOFLOW module for constant flow (optional).
  - Integrable VOC probe (optional)
- Connectivity through the SPCM communication module (optional).

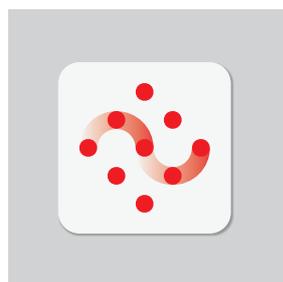


**Touch screen**

Remote (wired) touch screen display panel.

Functions:

- Easy control.
- Speed settings.
- Manual bypass.
- Boost activation.
- Automatic mode activation.
- Dirty filter alarm.



**Connectair**

Through the optional SPCM module, the unit can access Connectair, S&P's IoT that provides access to a new way to enjoy your ventilation.



**Installer friendly**

Simple access to all the components.

**Specific applications**



**Domestic MVHR**  
Single dwelling



**Domestic MVHR**  
Multi dwelling blocks



**Heat recovery**

### TECHNICAL CHARACTERISTICS

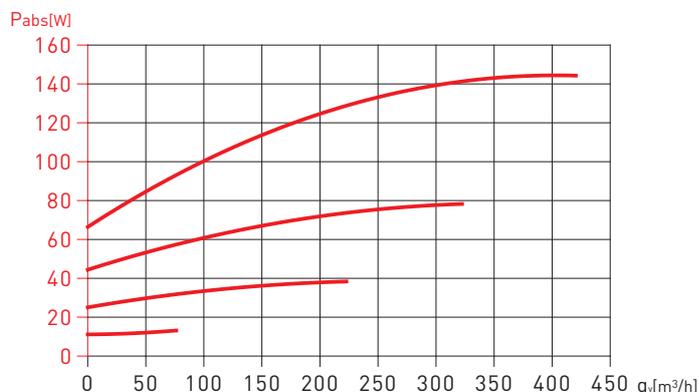
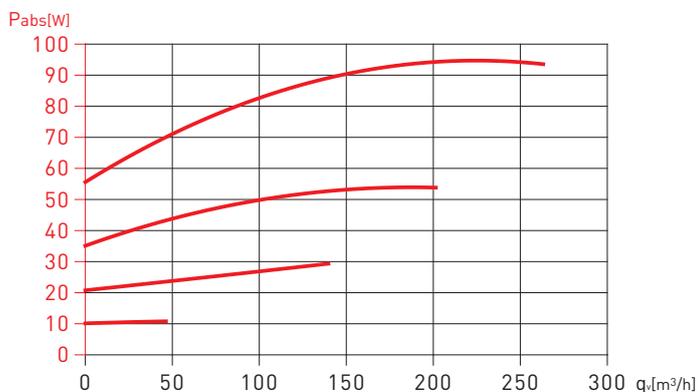
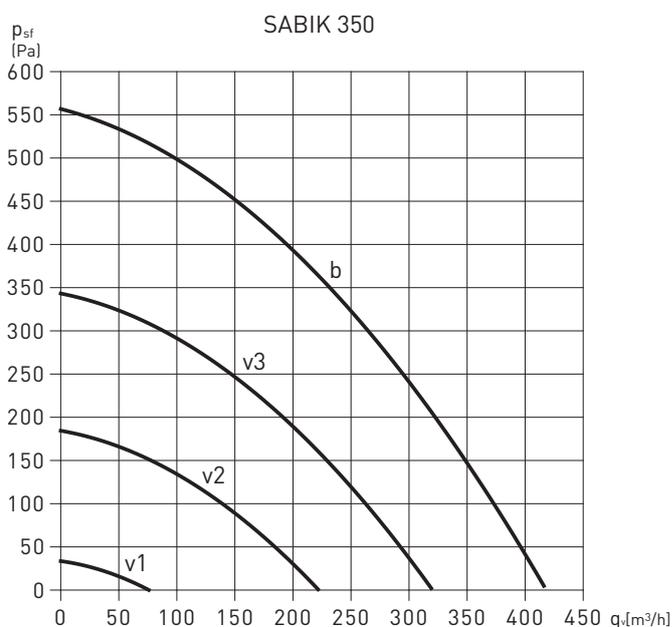
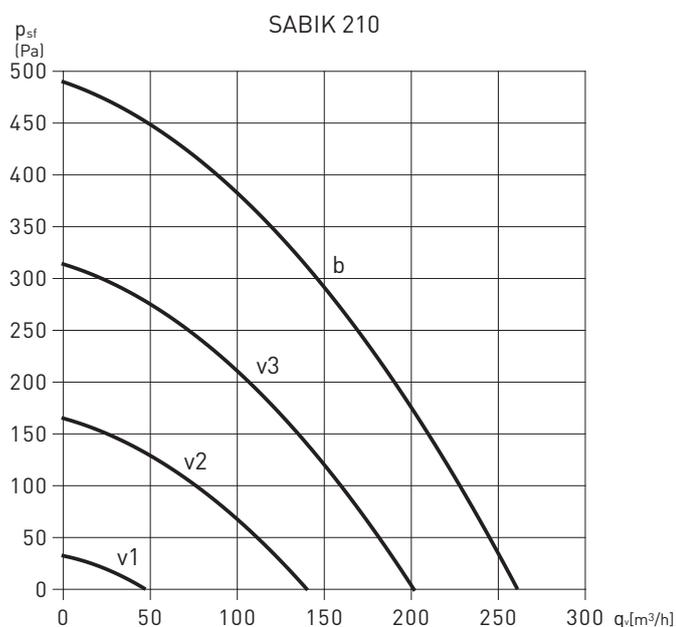
It is essential to check that the electrical characteristics (voltage, current, frequency, etc.) that appear on the rating plate are compatible with those of the installation.

Model	Supply	Maximum flow rate at 100 Pa (m <sup>3</sup> /h)	Sound pressure level, at 1.5m (dB(A))	Maximum absorbed power (W)	Max Efficiency* (%)	
					Sensible	Latent
SABIK (standard)						
SABIK 210	230V 50/60Hz	225	36,5 (140 m <sup>3</sup> /h at 100 Pa)	87	92	-
SABIK 350	230V 50/60Hz	375	37,7 (250 m <sup>3</sup> /h at 135 Pa)	145	89	-
SABIK 500	230V 50/60Hz	550	43,1 (400 m <sup>3</sup> /h at 150 Pa)	265	90	-
SABIK E (enthalpy)						
SABIK 210 E	230V 50/60Hz	225	36,5 (140 m <sup>3</sup> /h at 100 Pa)	87	80	74
SABIK 350 E	230V 50/60Hz	375	37,7 (250 m <sup>3</sup> /h at 135 Pa)	145	83	80
SABIK 500 E	230V 50/60Hz	550	43,1 (400 m <sup>3</sup> /h at 150 Pa)	265	86	82

\*According to EN 13141-7.

### CHARACTERISTIC CURVES

- $q_v$  = Flow rate (m<sup>3</sup>/h).
- $p_{sf}$  = Static pressure in Pa.
- $P_{abs}$  = Absorbed power (W).



v1 = Humidity protection airflow  
 v2 = Reduced airflow  
 v3 = Nominal airflow  
 b = Boost. Useless curve when working in auto\*

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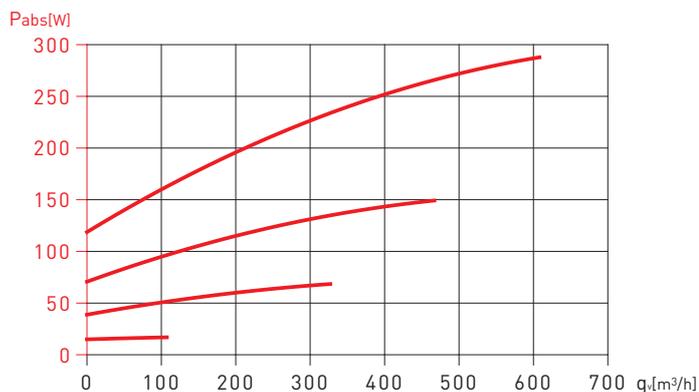
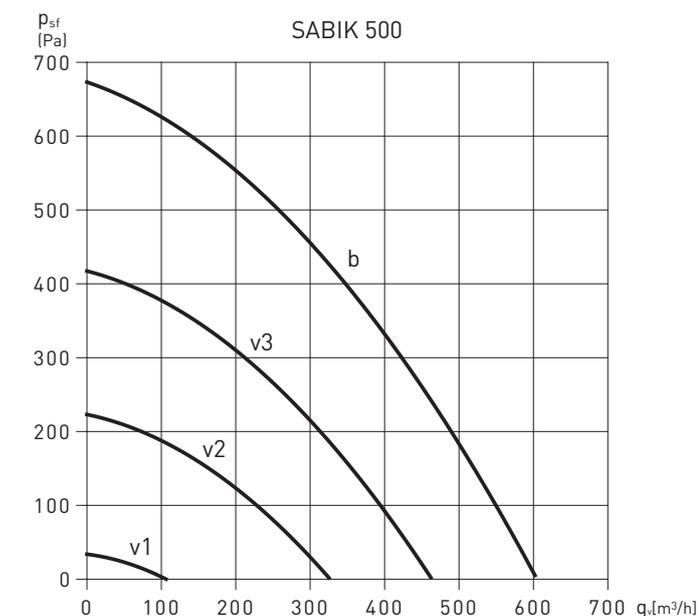
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### SOUND DATA

The following tables show information with regards to sound pressure measured at 1,5 m distance (Lp) (dB(A)) according to reference duty points.

For more information regarding the sound spectrum or sound data for other duty points, please go to our online selector: <https://easyvent.solerpalau.com/>

SABIK 210 - Supply - Sound pressure (dB(A))			
(Pa)	225 m³/h	150 m³/h	100 m³/h
150	-	32	27
100	38	31	25
50	37	28	24

SABIK 210 - Extract - Sound pressure (dB(A))			
(Pa)	225 m³/h	150 m³/h	100 m³/h
150	-	41	37
100	45	39	34
50	44	37	30

SABIK 210 - Radiated - Sound pressure (dB(A))			
(Pa)	225 m³/h	150 m³/h	100 m³/h
150	-	37	33
100	43	35	30
50	42	33	28

SABIK 350 - Supply - Sound pressure (dB(A))			
(Pa)	350 m³/h	225 m³/h	150 m³/h
150	36	36	29
100	35	31	25
50	35	28	20

SABIK 350 - Extract - Sound pressure (dB(A))			
(Pa)	350 m³/h	225 m³/h	150 m³/h
150	51	42	38
100	49	39	34
50	46	37	32

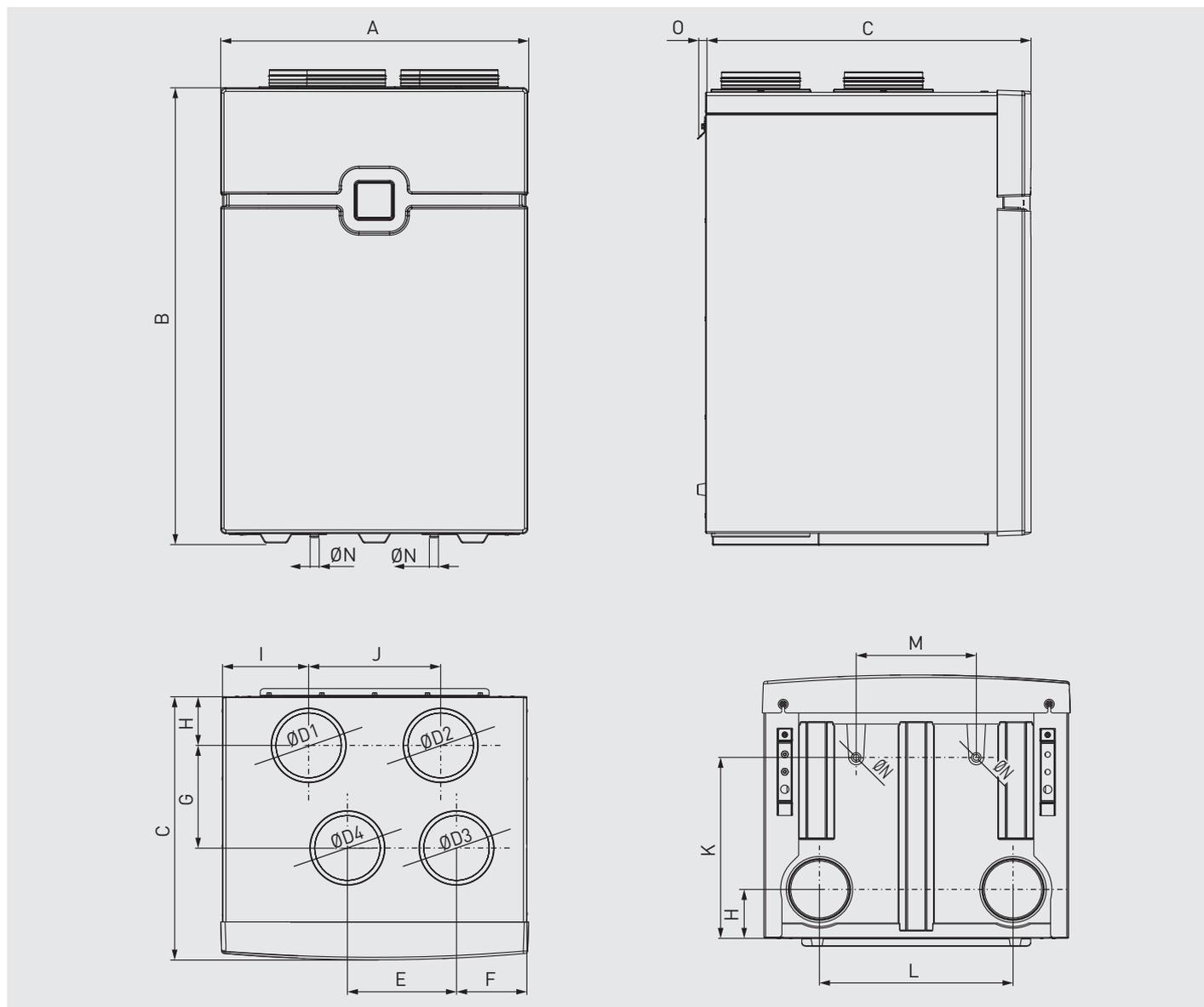
SABIK 350 - Radiated - Sound pressure (dB(A))			
(Pa)	350 m³/h	225 m³/h	150 m³/h
150	42	37	33
100	41	34	31
50	40	33	28

SABIK 500 - Supply - Sound pressure (dB(A))			
(Pa)	500 m³/h	350 m³/h	200 m³/h
150	43	42	31
100	43	39	28
50	42	35	24

SABIK 500 - Extract - Sound pressure (dB(A))			
(Pa)	500 m³/h	350 m³/h	200 m³/h
150	53	46	39
100	52	44	37
50	50	42	34

SABIK 500 - Radiated - Sound pressure (dB(A))			
(Pa)	500 m³/h	350 m³/h	200 m³/h
150	44	41	34
100	43	39	31
50	42	37	28

**DIMENSIONS (mm)**

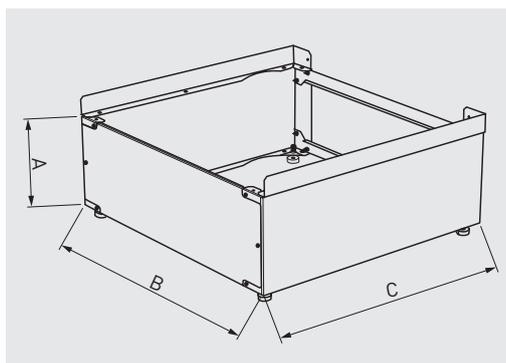


Model	A	B	C	D1	D2	D3	D4	E	F	G	H	I	J	K	L	M	N	O	Weight (kg)
SABIK 210	600	995	460	125	125	125	125	215	125	180	94	161	215	313	392	267	21	19	37
SABIK 350	700	1046	603	150	150	150	150	248	160	235	111	196	300	414	440	273	21	19	50
SABIK 500	700	1046	753	180	180	180	180	257	153	280	126	196	300	493	440	273	21	19	63

**DIMENSIONS SABIK-FM (mm)**



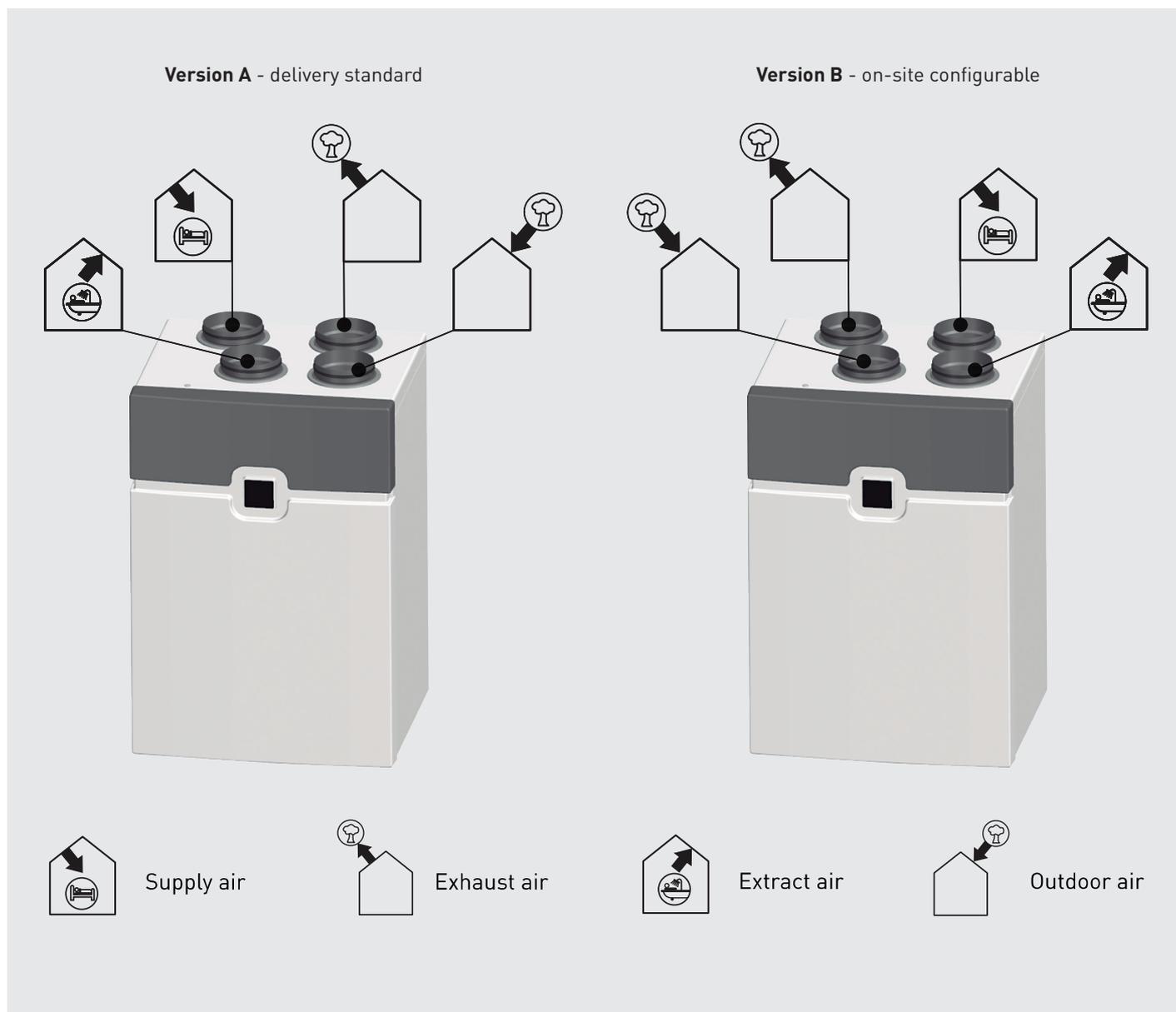
Optional accessory for floor mounting.



Model	A	B	C
SABIK-210 FM	250	600	376
SABIK-350 FM	250	700	512
SABIK-500 FM	250	700	662

**FLEXIBILITY**

As standard, SABIK units are delivered with the indoor connections at the left-hand side of the unit (version A). However, for flexible installation of the ventilation system, the handing can be changed at the installation site. In the following image, the configuration of air connections for version A/B is displayed.



**SABIK SPECIFIC ACCESSORIES**



**CORE ENTÁLPICO**  
 Enthalpy heat exchangers available as accessory for switching from standard unit to enthalpy version.



**KIT TOBERAS D150/160**  
**KIT TOBERAS D180/200**  
 Reduction elements for duct sizes  $\varnothing$ 160 mm and  $\varnothing$ 200 mm. To be used with SABIK 350 and SABIK 500 respectively.



**SPCM**  
 Communications module. Control the heat recovery unit via cloud (CONNECTAIR platform).



**SABIK F**  
 Filter replacement sets G4/G4 and G4/F7.



**SABIK-PH**  
 Preheating coils can be integrated into the equipment. Plug&Play.



**SABIK-VOC**  
 VOC probe can be integrated into the unit. Plug&Play.



**SABIK-WMC**  
 Wall spacer bracket.



**SABIK-NEMBUS-SF**  
 Constant flow module that can be integrated into the unit. Plug&Play.



**DSI**  
 Dry siphon.



**SABIK-FM**  
 Bracket for floor installation.

**ELECTRICAL ACCESSORIES**



**AIRSENS C02**  
 CO2 - Indoor air quality sensor for demand-controlled ventilation.  
 Supply: 230V 50 Hz.  
 Output: 0-10V.  
 Max 4 sensor per unit.  
 Available versions: VOC and RH.



**AIRSENS RF C02**  
 CO2 - Indoor air quality sensor for demand-controlled ventilation.  
 Supply: 230V 50 Hz.  
 Radiofrequency communication (wireless).  
 A receiver REC. AIRSENS RF is required.  
 Max 4 sensor per receiver.  
 Available versions: VOC and RH.



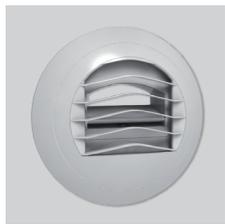
**REC. AIRSENS RF**  
 Radiofrequency receiver to control up to 4 sensors AIRSENS RF.



**AIRSENS WIFI C02**  
 CO2 - Indoor air quality sensor for demand-controlled ventilation.  
 Supply: 230V 50Hz.  
 WIFI communication.  
 Air quality monitoring and control of the heat recovery unit\* via cloud (CONNECTAIR platform).  
 Available in versions: VOC and RH.

\*In order to control the heat recovery unit via cloud, SPCM accessory is required.

**ASSEMBLY ACCESSORIES**



**BARJ  
BARP**  
Auto-adjustable  
suction inlets.



**BDOP**  
Supply and  
extraction inlets.



**RDR**  
Auto-adjustable flow  
regulators. To be  
installed inside the  
duct.



**RD BP**  
Auto-adjustable  
low-pressure flow  
regulators.  
(20-100 PA) To be  
installed inside the  
duct. 80mm diameter.  
Flow rate: 15 or  
30 m<sup>3</sup>/h.



**RD BP SM**  
Auto-adjustable flow  
regulators.  
To be installed inside  
the cuff of the BDOP  
nozzles.  
80mm diameter.  
Flow rate: 15 or  
30 m<sup>3</sup>/h.



**CT**  
Roof covers.



**ADRF 100/80**  
Reducer to connect  
rigid different  
diameter ducts.



**GPR-ISO**  
Rigid insulated ducts.



**GP  
GPX  
GP-PRO  
GP-ISO**  
PVC ducts.



**TUBREC**  
Rectangular ducts  
in flame-retardant  
plastic.



**LAF**  
Flexible acoustic  
connection.  
Length: 0.5 and  
1m models.



**LA**  
Acoustic connection.

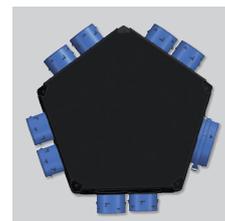


**FLEXIREC**  
Semi-flexible oblong  
ducts.

**FLEXICIR**  
Circular oblong  
ducts.



**PLENUM UNI EXT 6+1**  
Isolated delivery  
plenum with outlet  
Ø 125/150-160 mm,  
1 kitchen Ø 125 mm  
outlet and up to  
a maximum of  
6 bathroom Ø 80 mm  
outlets.



**PLENUM UNI IMP 8**  
Isolated delivery  
plenum with suction  
Ø 125/150-160 mm,  
and up to a maximum  
of 8 outlets for  
dry areas (dining  
room, living room,  
bedrooms)  
Ø 80 mm.