



DESIGNED FOR  
AN EASY  
INSTALLATION

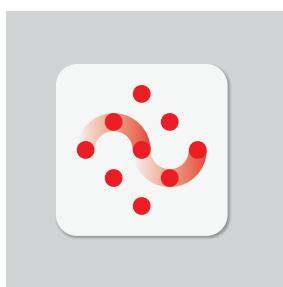


#### Touch screen

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



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.

#### SABIK RF

SABIK Heat Recovery Units are available in Radio Frequency version, with wireless remote control.

#### 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).
- Modbus RTU communication.

### TECHNICAL CHARACTERISTICS

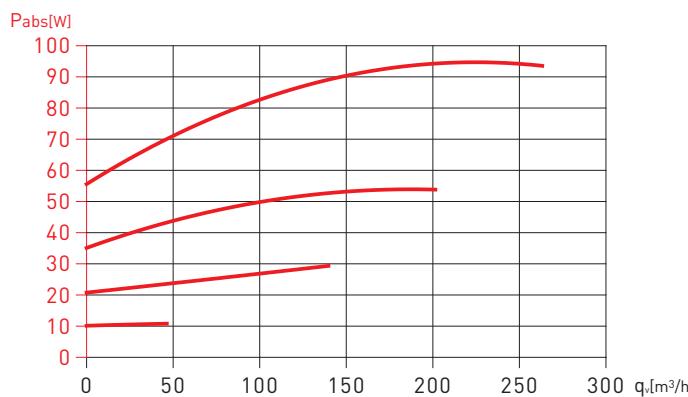
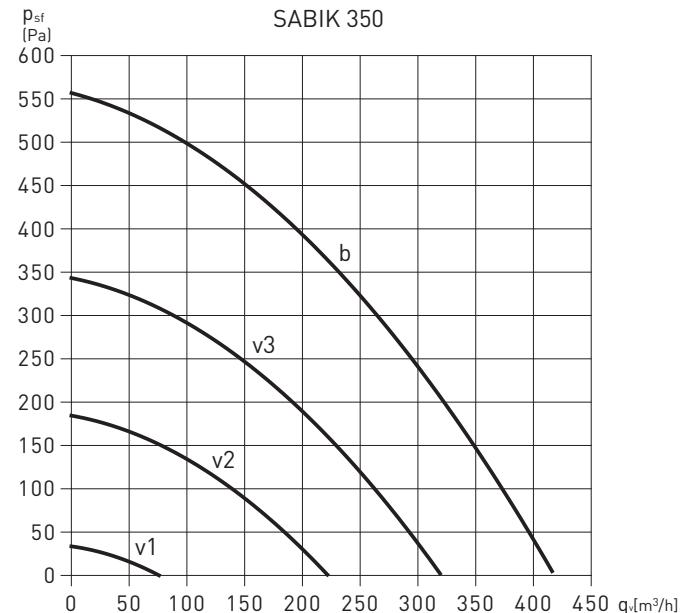
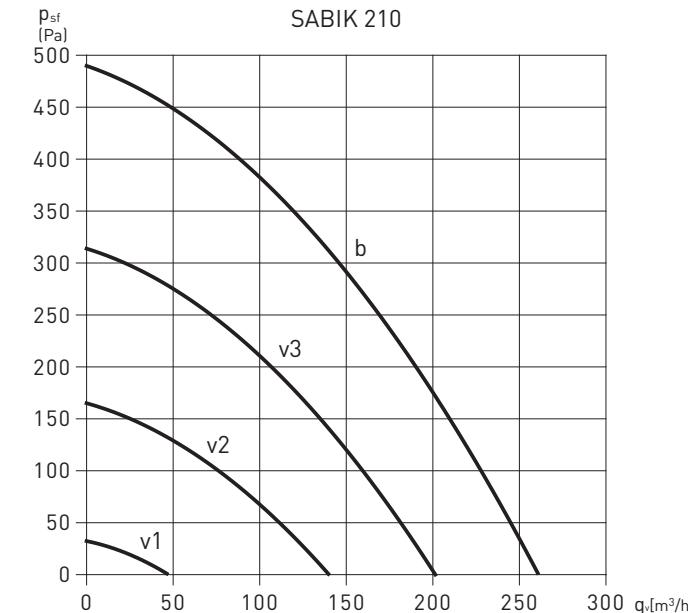
It is essential to check that the electrical characteristics (voltage, current, frequency, etc.) that appear on the rating plate are compatible with those of the installation.

Model	Supply	Maximum flow rate at 100 Pa (m³/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 m³/h at 100 Pa)	87	92	-
SABIK 350	230V 50/60Hz	375	37,7 (250 m³/h at 135 Pa)	145	89	-
SABIK 500	230V 50/60Hz	550	43,1 (400 m³/h at 150 Pa)	265	90	-
SABIK 600	230V 50/60Hz	640	45 (500 m³/h a 150 Pa)	356	90	-
SABIK E (enthalpy)						
SABIK 210 E	230V 50/60Hz	225	36,5 (140 m³/h at 100 Pa)	87	80	74
SABIK 350 E	230V 50/60Hz	375	37,7 (250 m³/h at 135 Pa)	145	83	80
SABIK 500 E	230V 50/60Hz	550	43,1 (400 m³/h at 150 Pa)	265	86	82
SABIK 600 E	230V 50/60Hz	620	45 (500 m³/h a 150 Pa)	355	86	82

\*According to EN 13141-7.

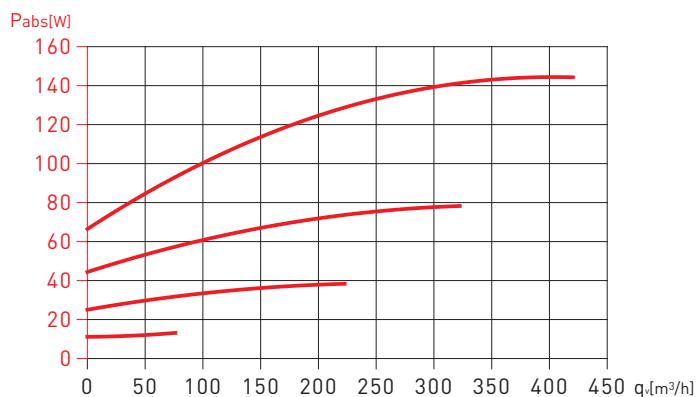
### CHARACTERISTIC CURVES

- $q_v$  = Flow rate [m³/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\*

\*Auto mode will control the speed between v1 and v3 depending on RH/VOC-accessory-/CO2 -accessory-.



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### CHARACTERISTIC CURVES

- $q_v$  = Flow rate ( $\text{m}^3/\text{h}$ ).
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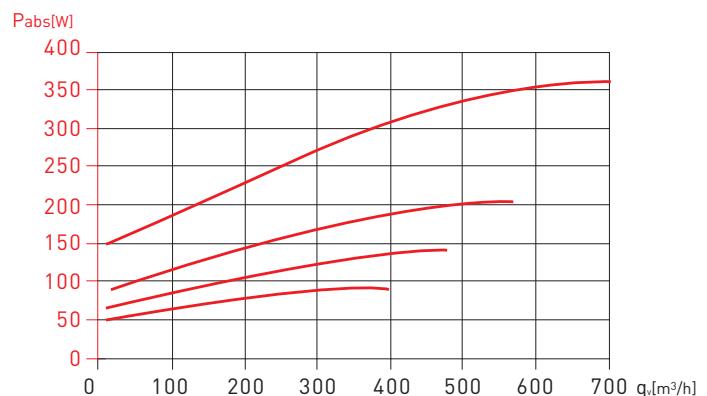
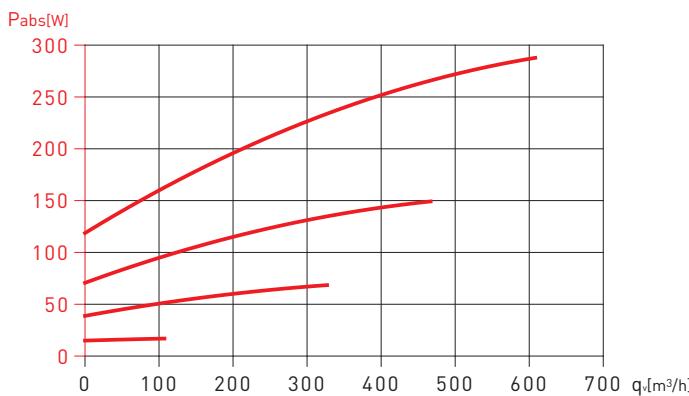
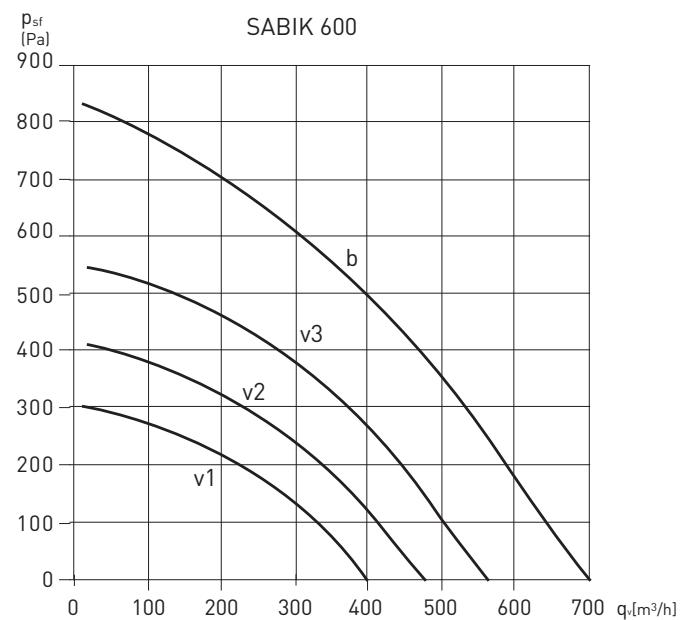
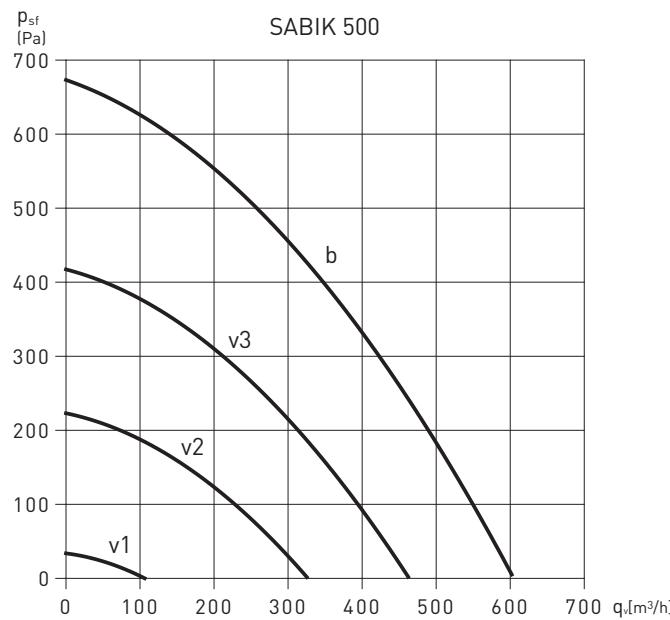
$v1$  = Humidity protection airflow

$v2$  = Reduced airflow

$v3$  = Nominal airflow

$b$  = Boost. Useless curve when working in auto\*

\*Auto mode will control the speed between  $v1$  and  $v3$  depending on RH/VOC-accessory-/CO<sub>2</sub>-accessory-.



## SOUND DATA

The following tables show information with regards to sound pressure measured at 1,5 m distance (L<sub>p</sub>) (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 m <sup>3</sup> /h	150 m <sup>3</sup> /h	100 m <sup>3</sup> /h
150	-	32	27
100	38	31	25
50	37	28	24

SABIK 210 - Extract - Sound pressure (dB(A))			
(Pa)	225 m <sup>3</sup> /h	150 m <sup>3</sup> /h	100 m <sup>3</sup> /h
150	-	41	37
100	45	39	34
50	44	37	30

SABIK 210 - Radiated - Sound pressure (dB(A))			
(Pa)	225 m <sup>3</sup> /h	150 m <sup>3</sup> /h	100 m <sup>3</sup> /h
150	-	37	33
100	43	35	30
50	42	33	28

SABIK 500 - Supply - Sound pressure (dB(A))			
(Pa)	500 m <sup>3</sup> /h	350 m <sup>3</sup> /h	200 m <sup>3</sup> /h
150	43	42	31
100	43	39	28
50	42	35	24

SABIK 500 - Extract - Sound pressure (dB(A))			
(Pa)	500 m <sup>3</sup> /h	350 m <sup>3</sup> /h	200 m <sup>3</sup> /h
150	53	46	39
100	52	44	37
50	50	42	34

SABIK 500 - Radiated - Sound pressure (dB(A))			
(Pa)	500 m <sup>3</sup> /h	350 m <sup>3</sup> /h	200 m <sup>3</sup> /h
150	44	41	34
100	43	39	31
50	42	37	28

SABIK 350 - Supply - Sound pressure (dB(A))			
(Pa)	350 m <sup>3</sup> /h	225 m <sup>3</sup> /h	150 m <sup>3</sup> /h
150	36	36	29
100	35	31	25
50	35	28	20

SABIK 350 - Extract - Sound pressure (dB(A))			
(Pa)	350 m <sup>3</sup> /h	225 m <sup>3</sup> /h	150 m <sup>3</sup> /h
150	51	42	38
100	49	39	34
50	46	37	32

SABIK 350 - Radiated - Sound pressure (dB(A))			
(Pa)	350 m <sup>3</sup> /h	225 m <sup>3</sup> /h	150 m <sup>3</sup> /h
150	42	37	33
100	41	34	31
50	40	33	28

SABIK 600 - Supply - Sound pressure (dB(A))			
(Pa)	600 m <sup>3</sup> /h	450 m <sup>3</sup> /h	300 m <sup>3</sup> /h
150	47	43	38
100	47	43	35
50	46	41	31

SABIK 600 - Extract - Sound pressure (dB(A))			
(Pa)	600 m <sup>3</sup> /h	450 m <sup>3</sup> /h	300 m <sup>3</sup> /h
150	57	50	43
100	56	49	41
50	54	47	39

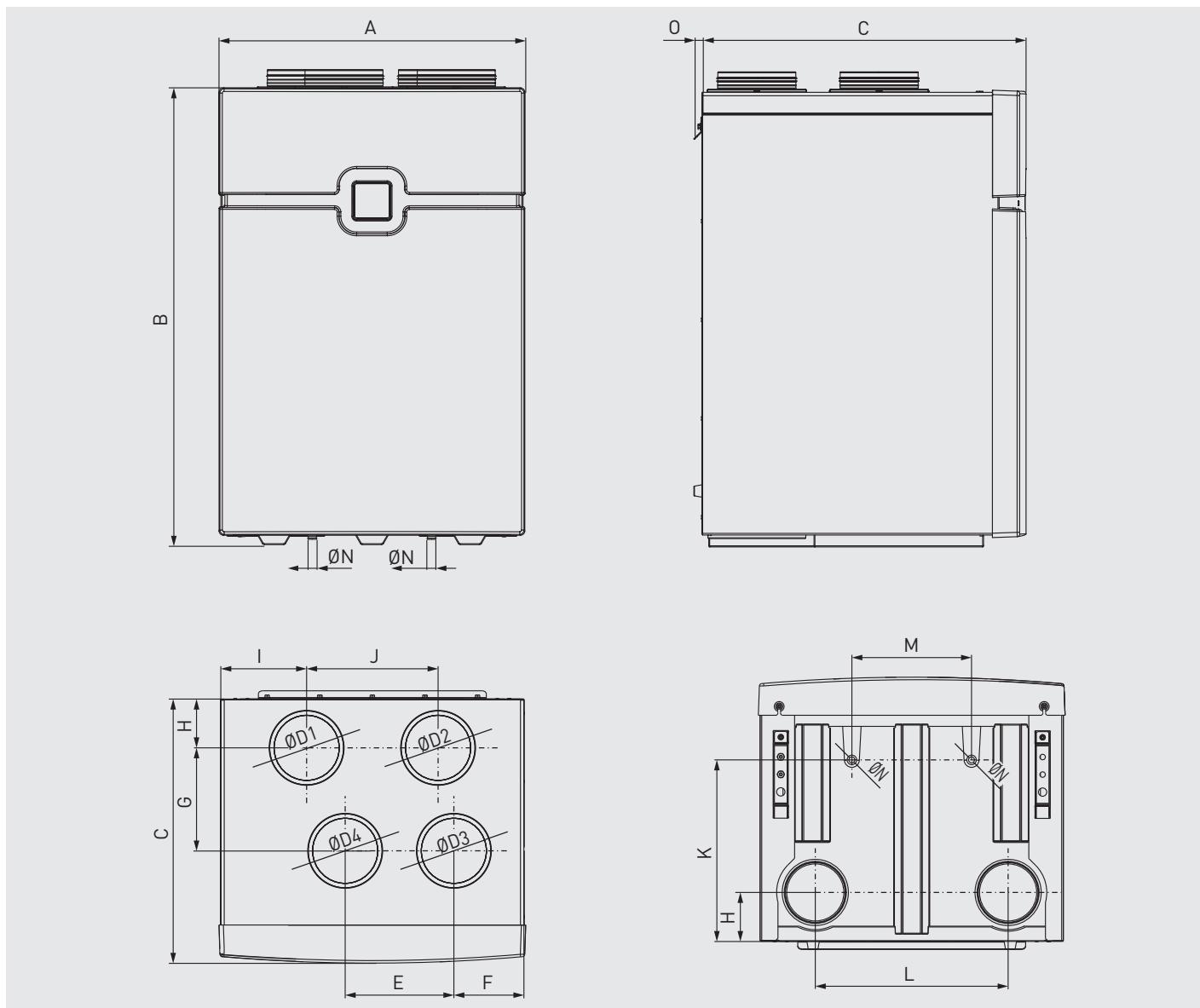
SABIK 600 - Radiated - Sound pressure (dB(A))			
(Pa)	600 m <sup>3</sup> /h	450 m <sup>3</sup> /h	300 m <sup>3</sup> /h
150	48	43	38
100	47	42	35
50	46	41	33

# DOMESTIC HEAT RECOVERY VENTILATION SYSTEMS

## SABIK Serie



### DIMENSIONS (mm)

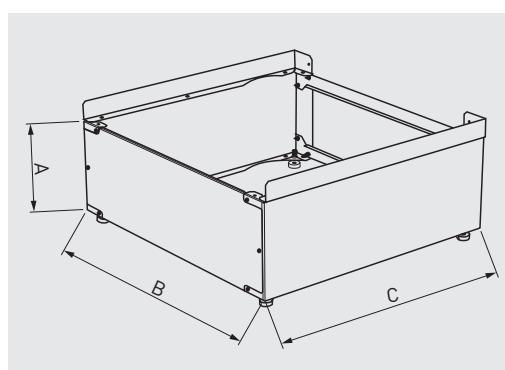


Model	A	B	C	D1	D2	D3	D4	E	F	G	H	I	J	K	L	M	N	O	Weight (kg)
SABIK 210 [E]	600	995	460	125	125	125	125	215	125	180	94	161	215	313	392	267	21	19	34 [41]
SABIK 350 [E]	700	1046	603	150	150	150	150	248	160	235	111	196	300	414	440	273	21	19	45 [57]
SABIK 500 [E]	700	1046	753	180	180	180	180	257	153	280	126	196	300	493	440	273	21	19	56 [70]
SABIK 600 [E]	700	1046	753	200	200	200	200	257	153	280	126	196	300	493	440	273	21	19	56 [70]

### DIMENSIONS SABIK-FM (mm)



Optional accessory  
for floor mounting.

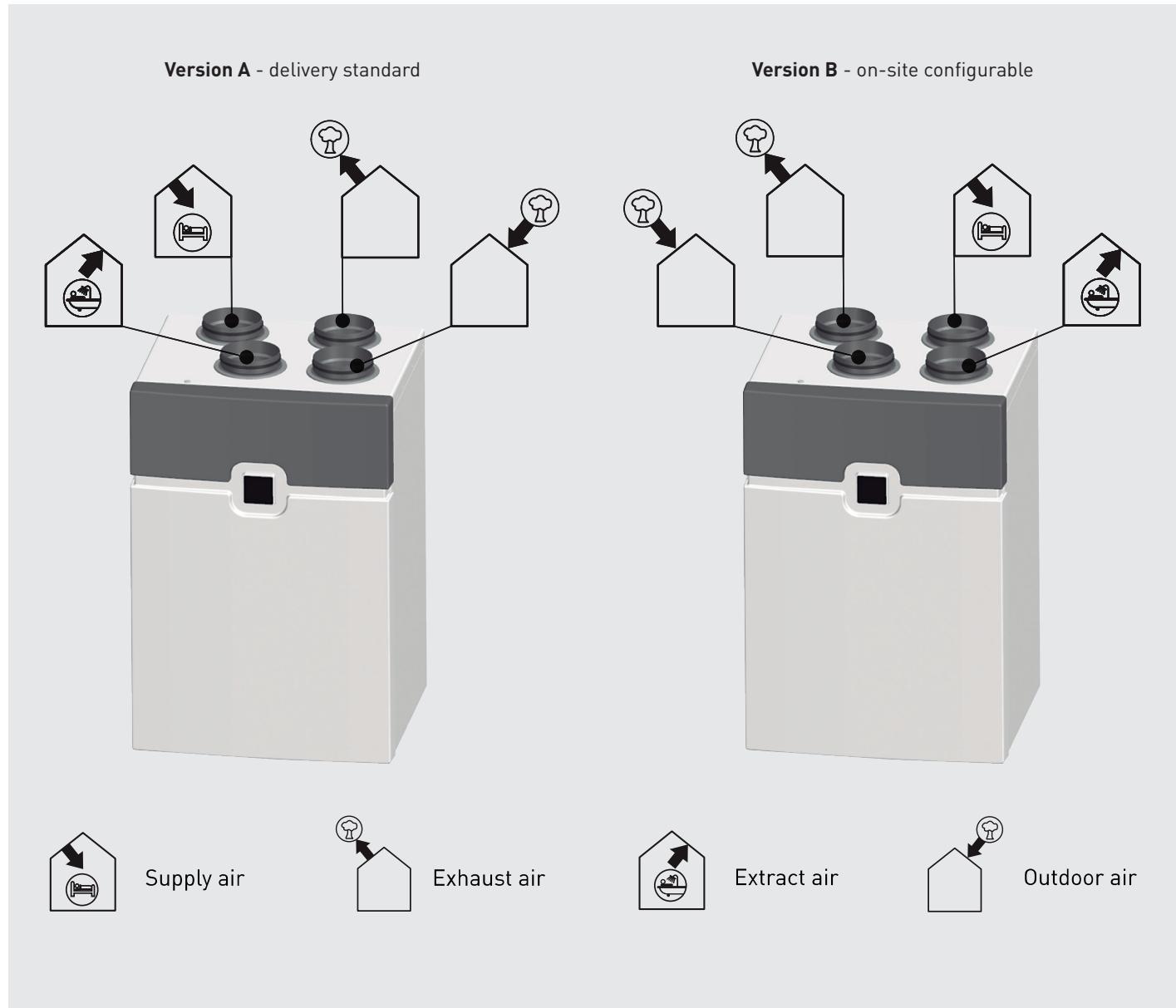


Model	A	B	C
SABIK-210 FM	250	600	376
SABIK-350 FM	250	700	512
SABIK-500/600 FM	250	700	662

## 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.

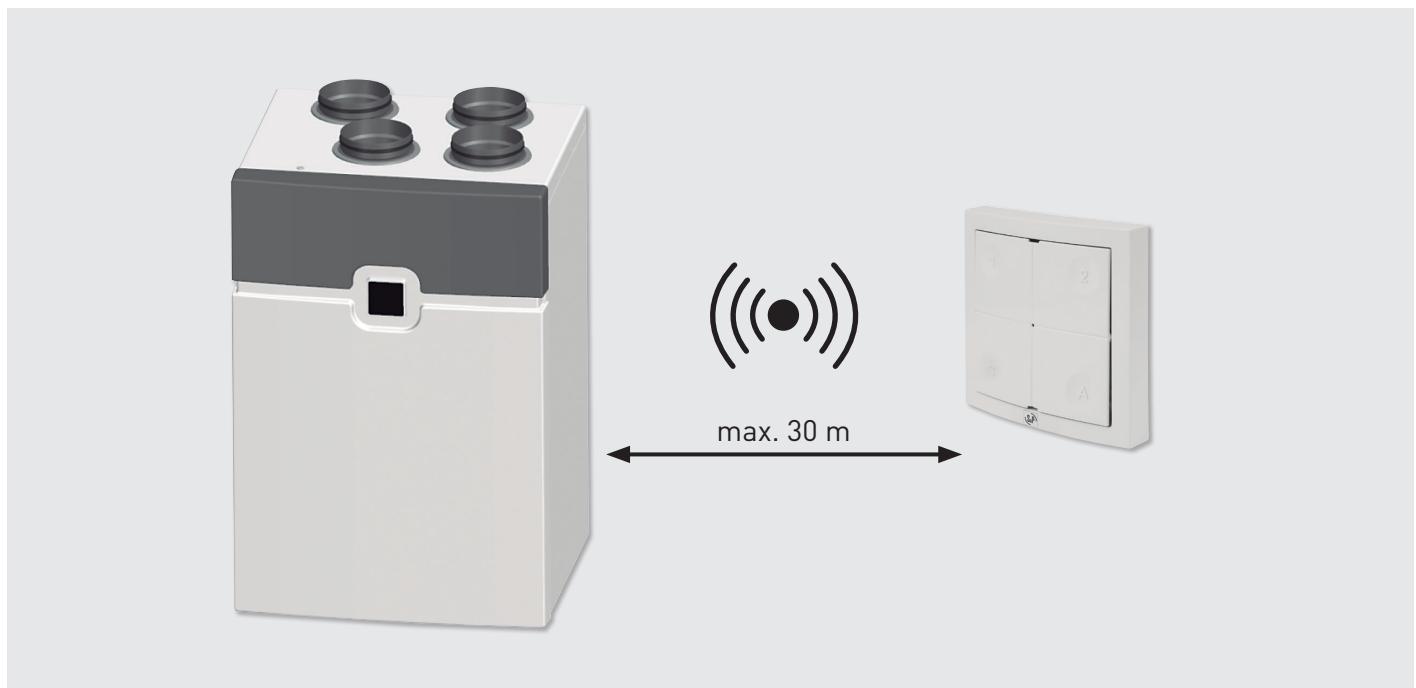
In the following image, the configuration of air connections for version A/B is displayed.



### SABIK RF (RADIO FREQUENCY)

SABIK Ventilation units can be delivered in "RF" version (radio frequency). RF units are delivered with an extra controller that allows the end user to manage the ventilation unit remotely wireless. The RF remote control allows to switch between 3 manual speeds or AUTO mode. There are RF versions both for units with sensible and enthalpy exchanger:

Sensible exchanger	Enthalpy exchanger
SABIK 210 RF	SABIK 210 E RF
SABIK 350 RF	SABIK 350 E RF
SABIK 500 RF	SABIK 500 E RF
SABIK 600 RF	SABIK 600 E RF



**SABIK SPECIFIC ACCESSORIES**



**SABIK/NEMBUS KIT RF**  
 Kit to swap from standard SABIK to SABIK RF.



**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 ø160 mm and ø200 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 CO2**  
 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 CO2**  
 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.



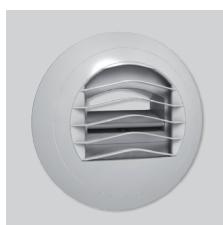
**REC. AIRSENS RF**  
 Radiofrequency receiver to control up to 4 sensors AIRSENS RF.



**AIRSENS WIFI CO2**  
 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 m³/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 m³/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.



**TUBCIR**  
Circular ducts in flame-retardant plastic.



**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.