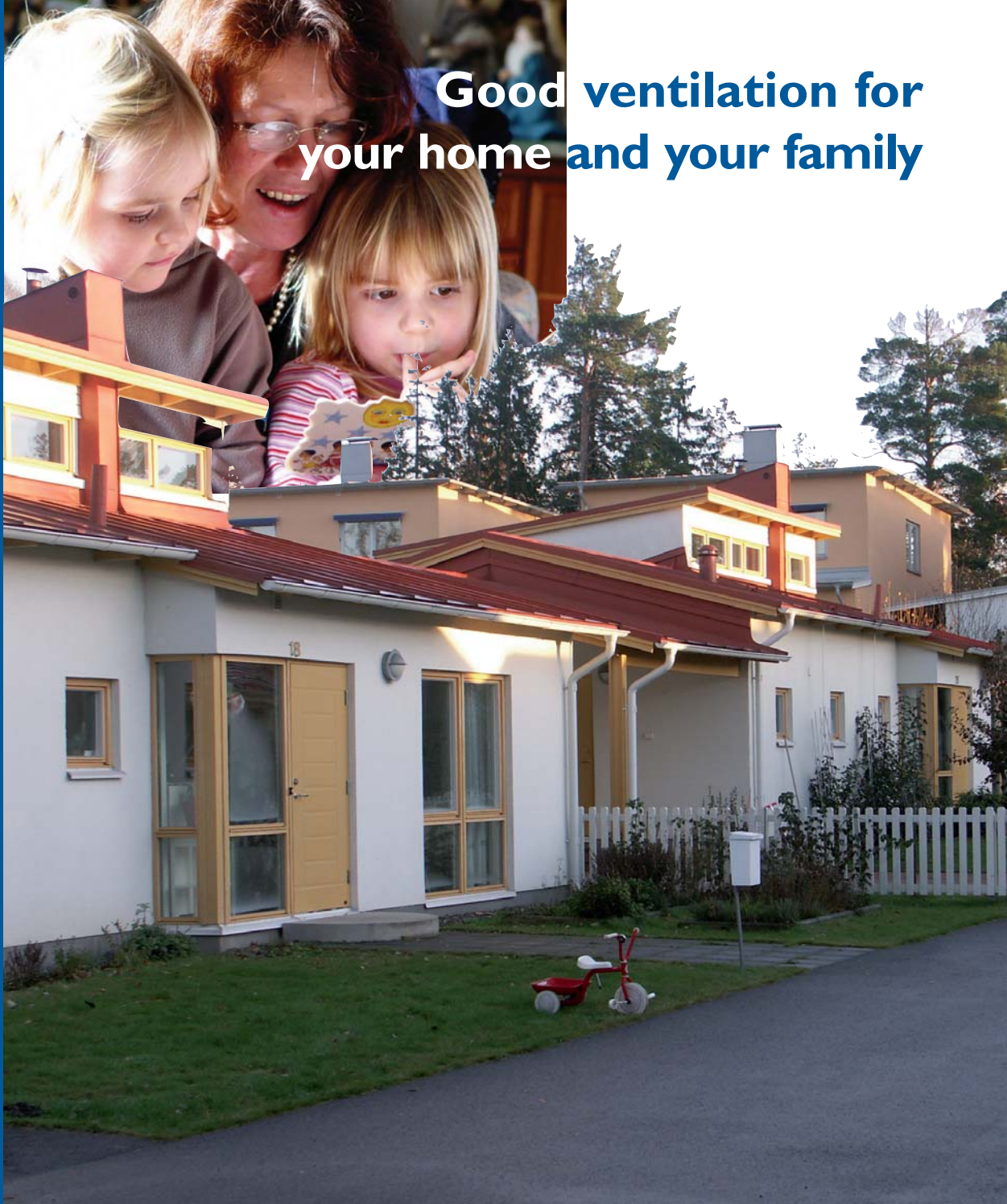


# Systemair residential units

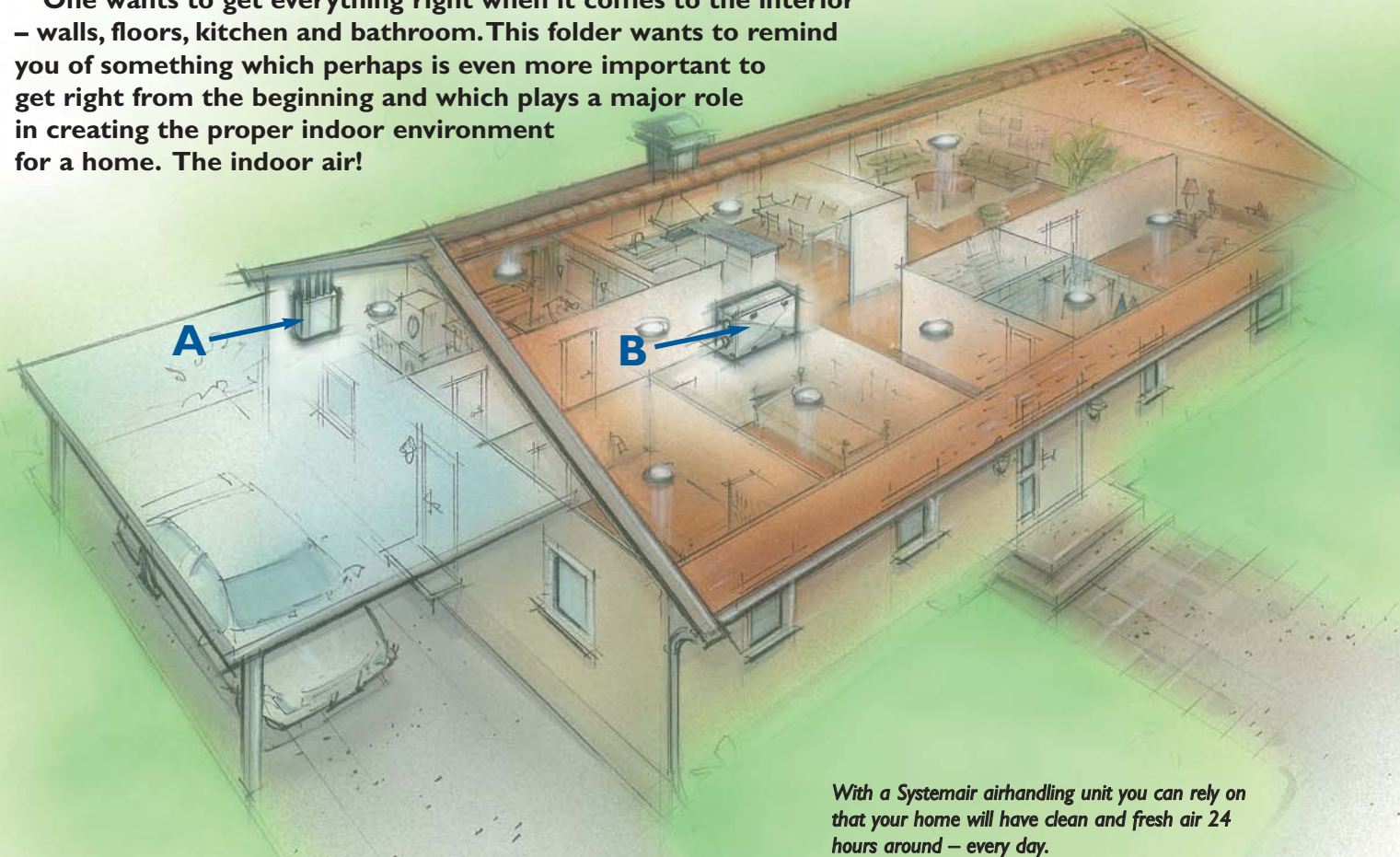
Good ventilation for  
your home and your family



# Good air – a necessity in every home!

The dream of a house of one's own is about to come true. It takes so much time and effort to choose the right house and to select and prepare the interior fixtures and fittings.





One wants to get everything right when it comes to the interior – walls, floors, kitchen and bathroom. This folder wants to remind you of something which perhaps is even more important to get right from the beginning and which plays a major role in creating the proper indoor environment for a home. The indoor air!



*With a Systemair airhandling unit you can rely on that your home will have clean and fresh air 24 hours around – every day.*

**A** Wall mounted

**B** Floor mounted

Quick selection – Residential units					Mounting			Possible to connect to	
					Heated space		Cold space		Cooker hood
	Name	Residential area m <sup>2</sup>	Heat exchanger	Efficiency $\eta$ (%)	Wall	Floor	Above ceiling	Attic	
<b>A</b>	 VR 300 TK/B	100	Rotating	80	X	–	X	–	X
<b>B</b>	 VR 250 EH/B	60	Rotating	80	–	–	X	–	X
<b>A</b>	 VR 400 EV/B	160	Rotating	80	X	–	–	–	X
<b>A</b>	 VR 700 EV	300	Rotating	80	X	–	–	–	–

# Continuous supply of clean air, even in the bedroom – wake up refreshed



Recent years research shows that we have less strength and perform poorer when we breath bad indoor air. We spent in average 70% – in colder climates as in the North up to 90% – of our time indoors. It goes without saying that the 15000 liters of indoor air we breathe throughout the twenty-four hours, must be clean and rich in oxygen.

Is that the situation today? Yes, office buildings have as a rule good ventilation, but our dwellings are often shortcoming. If we want to have good indoor air, we must have good ventilation. There is no short cut.

## Air is polluted

Air is polluted to some degree. Normally we think about car exhaust gases, pollen and various other types of emissions when we discuss these things. This type of pollution is present in the out-door environment and gets, depending on what type of air filter are used, into our homes with the air. Other sources of pollution in homes are furniture, electrical equipment, pets and of course, people.

Untreated air coming into our home will carry any number of pollutants with it. After it has entered the building the pollution gradually grows worse. Due to

the fact that our homes are normally well insulated and often have double-glazing the air tends to linger. It's an unfortunate fact, but the better our home is insulated, the more likely it is that the air quality will be poor. To replace the used and dirty air with clean air, we need to ventilate.

## Less asthma and allergies





Good air at home not only means increased well-being, but also that we perform better. We work better and we manage more. For children, good air is even more important. They avoid asthma and allergies, diseases that are being established early and which according to many researchers largely depend on the indoor environment.

## Replace dirty air with clean air

Ventilation has a main task. It must take away all pollution produced in a building and take away the dirty air and replace it with clean air. The demand we make upon the ventilation is that it must work in the whole dwelling irrespective of wind and weather, without using more energy than necessary. Ventilation must be economical with energy and money.



Fresh air where needed!

Quick selection – Residential units					Mounting			Possible to connect to	
					Heated space	Cold space			
	Name	Residential area m <sup>2</sup>	Heat exchanger	Efficiency η (%)	Wall	Floor	Above ceiling	Attic	Cooker hood
<b>A</b>	 <b>VR 400E/ VR 700E</b>	160/ 320	Rotating	80	–	X	–	X	–
<b>B</b>	 <b>VX 400 EV/ VX 700 EV</b>	160/ 300	Rotating	60	X	–	–	–	–
<b>A</b>	 <b>VX 400 E/ VX 700 E</b>	160/ 130	Cross flow	60	–	X	–	–	–
<b>A</b>	 <b>VX 250 TV/P</b>	140	Cross flow	60	X	–	–	–	–