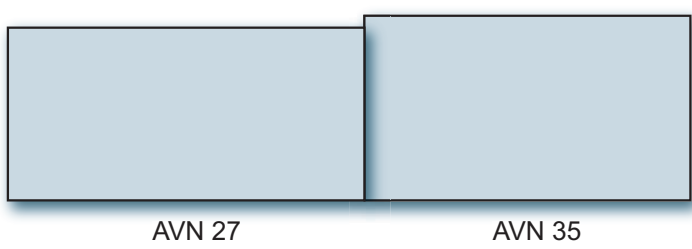
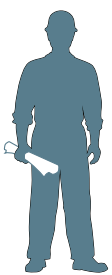
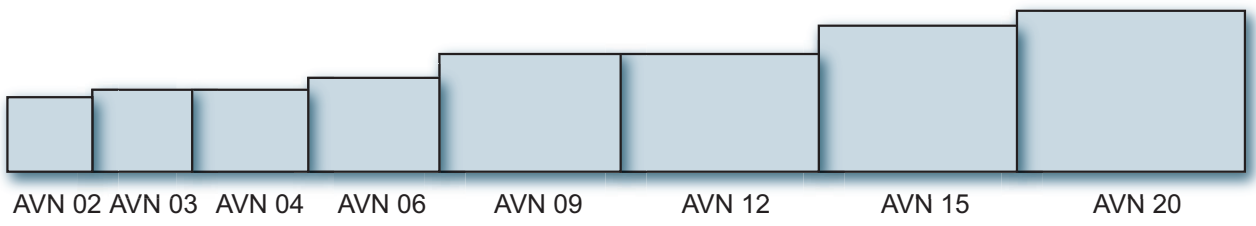
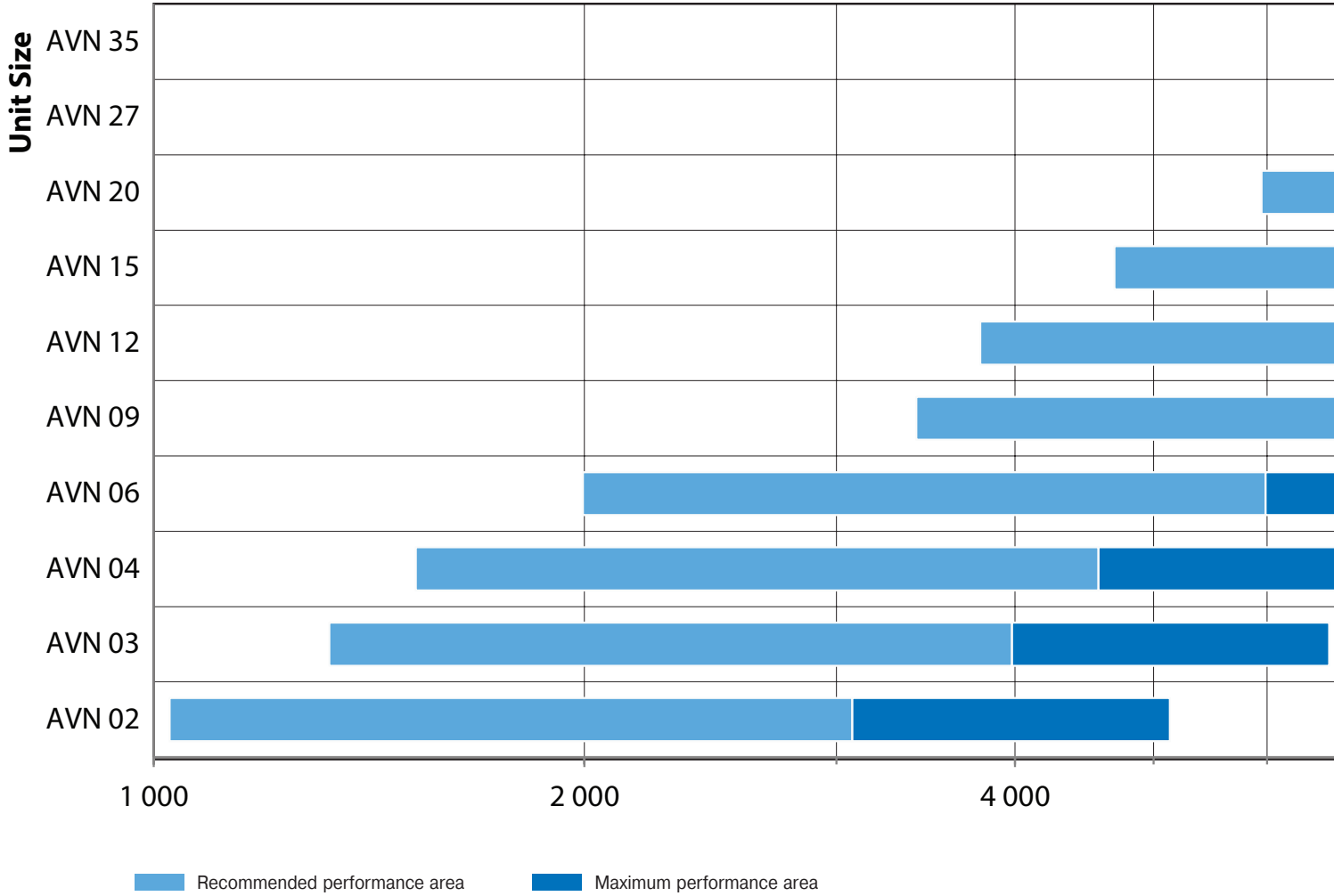


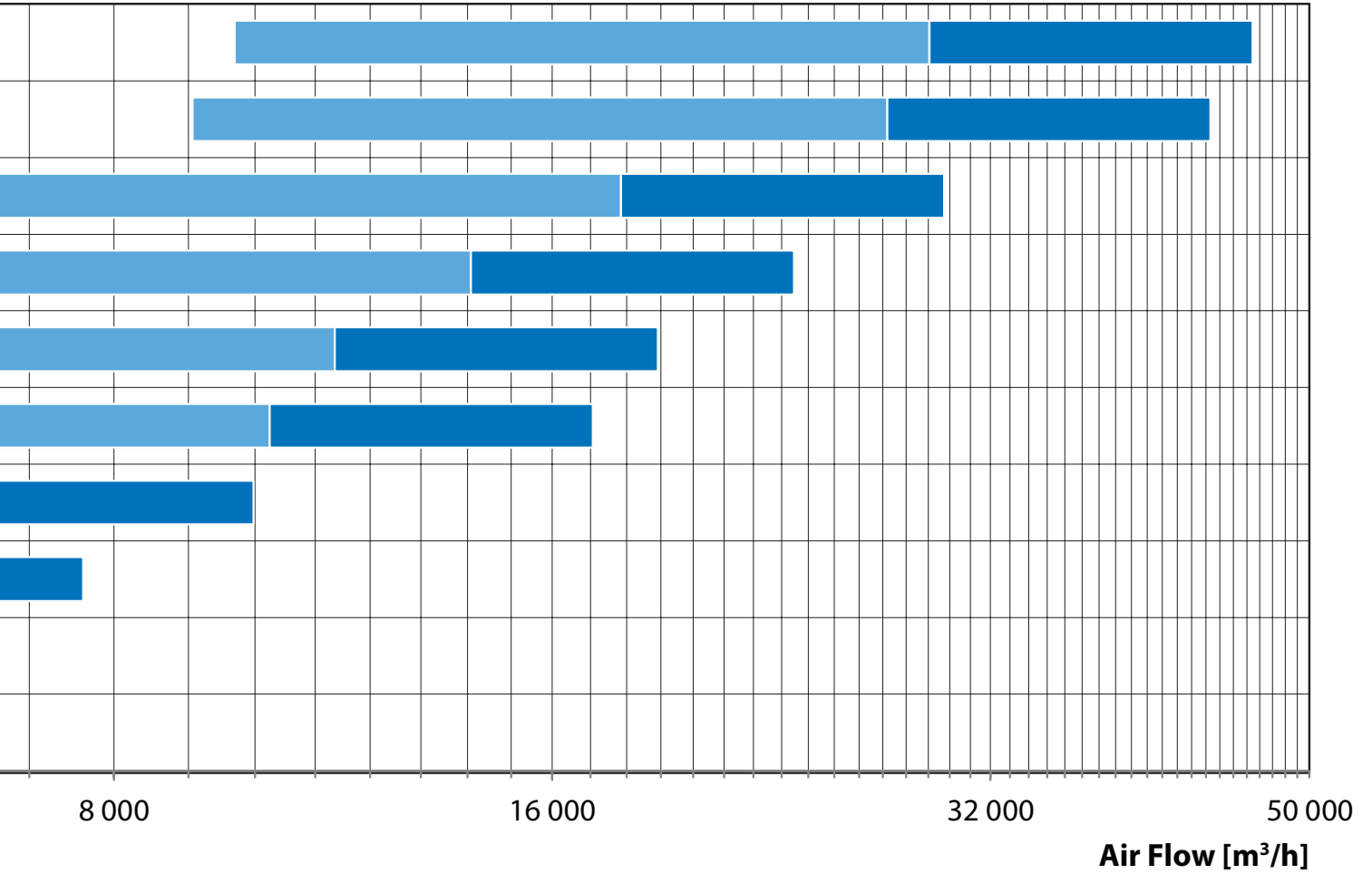


MODULAR AIR HANDLING UNITS

*air***VENTS**

SIZES AND CAPACITIES OF AVN UNITS





Unit size	AVN 02	AVN 03	AVN 04	AVN 06	AVN 09	AVN 12	AVN 15	AVN 20	AVN 27	AVN 35
Nominal air flow m³/h	2000	3000	4000	6000	9000	12000	15000	20000	27000	35000
Cross section height (mm)	500	550	550	630	790	790	980	1080	1160	1240
Cross section width (mm)	570	670	770	880	1200	1330	1330	1530	2170	2170

■ **Self-support, frameless, modular units**

Improved self-supporting, frameless, modular construction of the case with PVC profile system, eliminates thermal bridges, reduces heat loss and decreases noise level.

Casing panels made of sheet steel with a layer of 50 mm thermal and acoustic insulation from mineral wool.

Casing material varies depending on unit application:

Outer panel surface material:

- Zinc-aluminium coating (standard)
- Galvanized steel with polymeric coating (high corrosion resistance)
- Galvanized steel (for internal execution units)

Inner panel surface material:

- Zinc aluminium (Standard)
- Galvanized steel with polymeric coating
- Galvanized steel

Benefits of frameless casing:

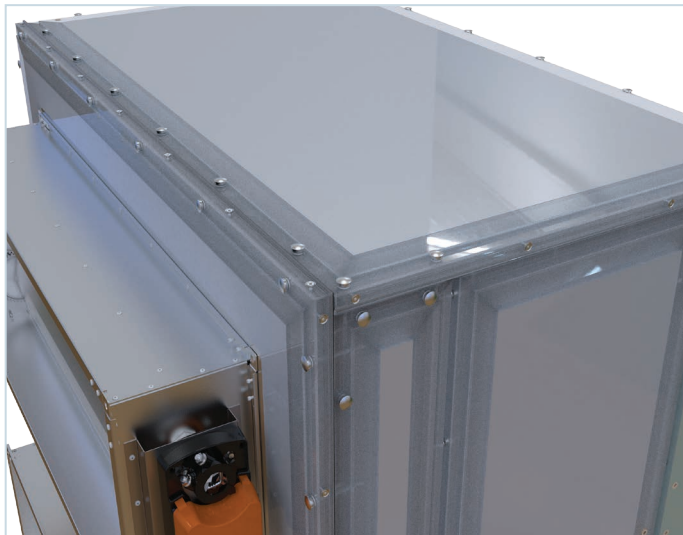
- Better thermal resistance. Class T2, according to EN 1886.
- Protection from thermal bridges. Class TB2, according to EN 1886.
- Higher mechanical strength. Class D1, according to EN 1886.
- Minimizing air leakage. Class L2, according to EN 1886.
- Lower weight of the unit.
- Suitable for outdoor installation.



■ **Base frame types**

For improved frameless unit casing, there are several types of base frame available.

Type	Application (approximately):
Adjustable legs made of 2 mm thick galvanized steel	Single-deck units with air capacity up to 20000 m ³ /h, or double-deck units – up to 15000 m ³ /h
Solid base frame made of 2 mm thick galvanized steel	Single-deck units with air capacity up to 35000 m ³ /h, or double-deck units – up to 25000 m ³ /h
Solid base frame made of 3 mm thick painted galvanized steel	For unit performance up to 50000 m ³ /h



Frameless unite close up



Solid base frame



Adjustable legs

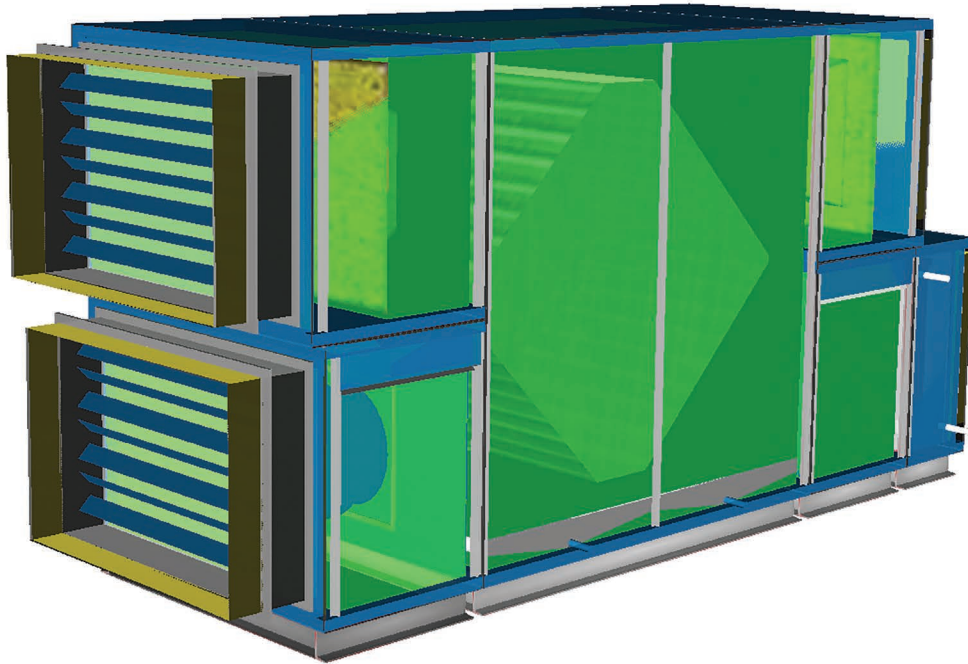
VENTS AHU SELECTION PROGRAM

■ Advantages of the program:

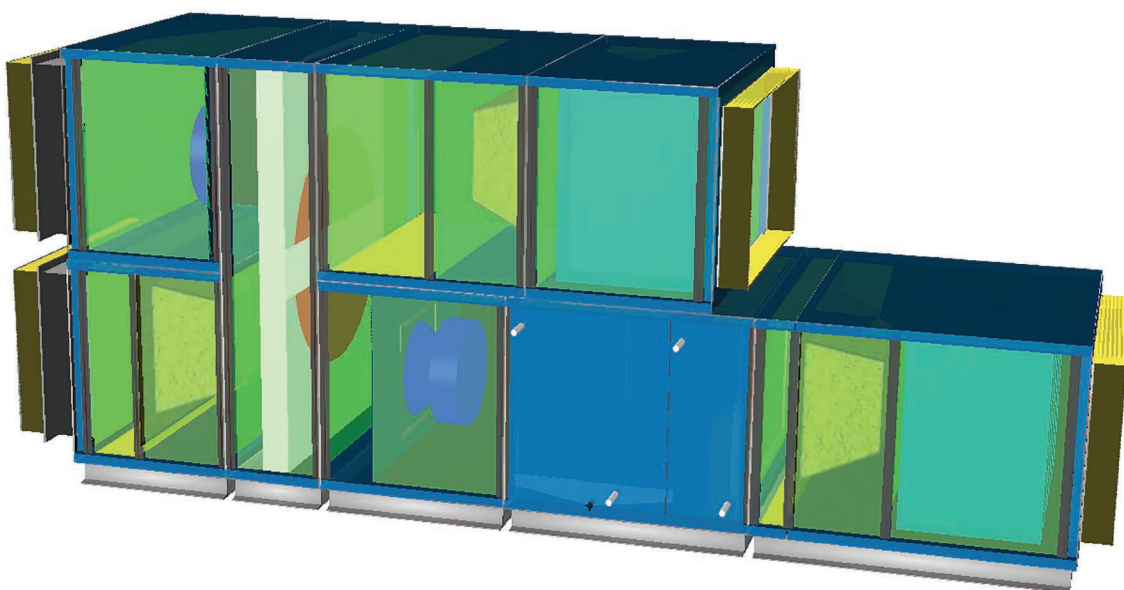
Flexible system designed to create commercial offers with a maximum accordance to the customer requirements.

High flexibility allows creation of a non-standard arrangement of sections.

Design optimization: unit can be arranged as a single block or in separate sections. Overall sizes of each section can be manually adjusted.



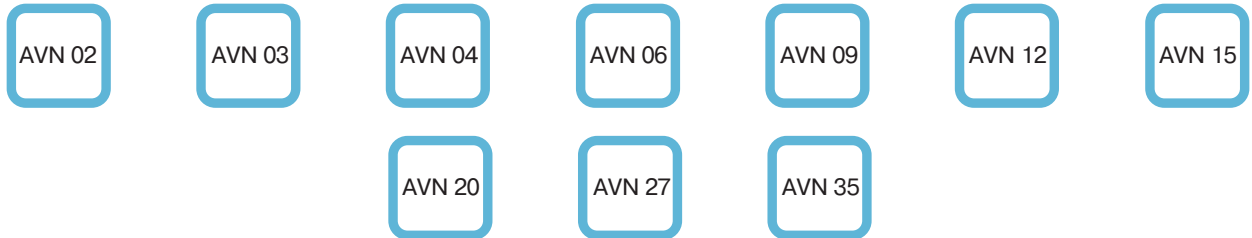
The unit with counterflow heat exchanger



The unit with rotary heat exchanger

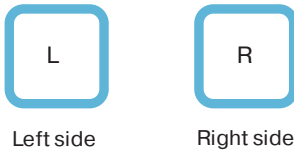
UNIT DESIGNATION

Size



Size depends on required air capacity

Service Access Side



Supply Units



Exhaust Units



Heat Recovery Units

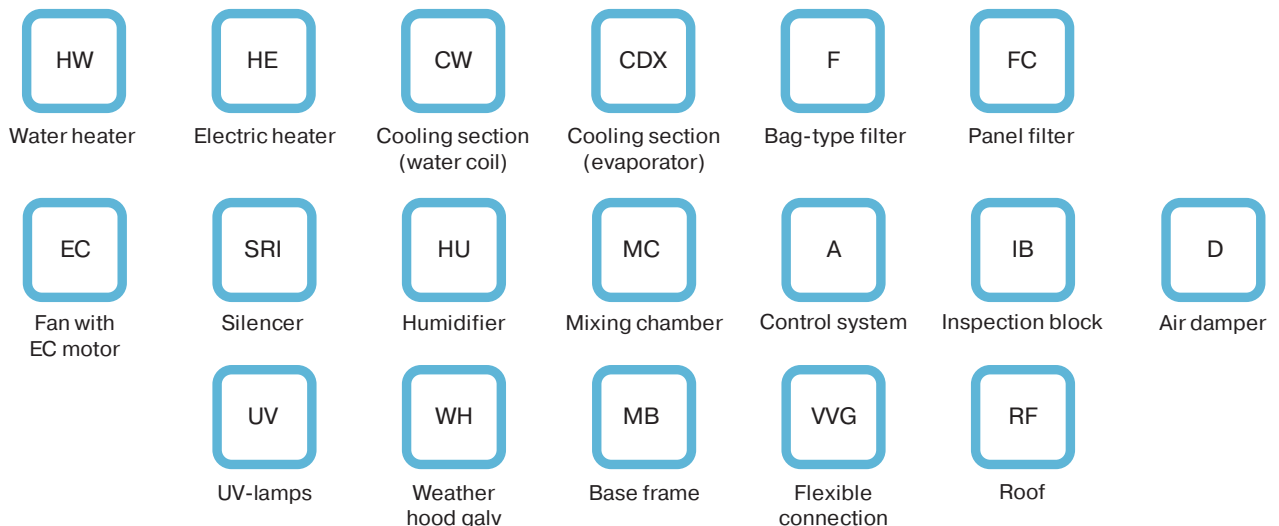
Rotary Heat Exchanger



Plate Heat Exchanger



Separate sections



■ Unit's designation example

AVN 09 L/SE/P/O-HW-CW-SRI

A heat recovery unit for outdoor mounting equipped with plate heat exchanger, water heater, cooling section and silencer
Total capacity: 9000 m³/h. Service access side: left.

AVN 15 R/SU/O-FC-HE-CDX-SRI-A

Air supply unit for outdoor mounting equipped with a panel filter, electric heater, cooling section and silencer supplied with control system.
Total capacity: 15000 m³/h. Service access side: right.

Detailed information about accessories and sections can be found in the selection program and main catalogue.



VENTS reserves the rights to modify any of its products' features, designs, components and specifications at any time and without notice to maintain the development and quality of manufactured goods.

2023-07