Enervent Svea

Ventilation unit technical specifications

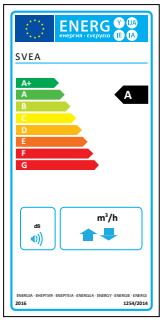
Online
dimensionering

General

The Enervent Svea ventilation unit has a maximum air volume of approx. 600 m³/h, so despite its small size, it is large enough to serve a residential building with an area of approx. 200 m². Thanks to the large rotary heat exchanger, the annual efficiency of heat recovery is 85%.

Enervent Svea is a very efficient ventilation unit in its size, but we came up with a way to make it even better. Svea is designed to be modular. An additional module can be placed on top of the ventilation unit if required. The module can contain a CX coil, a water heating coil or a water cooling coil. Only the height of the device increases when the module is added. The module can be retrofitted.

Enervent Svea is equipped with connection for a cooker hood that also goes through the additional module. The extract air from the cooker hood is led past the heat exchanger in the ventilation unit and the air flows directly to the unit's extract air fan. This prevents the heat exchanger from getting dirty and greasy.



Enervent
eAir + web interface

Benefits

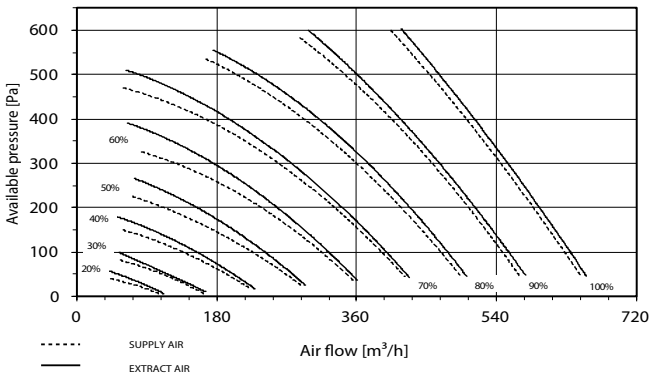
- An excellent solution for modern residential ventilation thanks to its size and performance
- High-efficiency heat recovery with rotary heat exchanger
- A suitable moisture balance is achieved indoors in winter time with the rotary heat exchanger. In addition, the heat exchanger is controlled steplessly and without interruption, even in severe cold climate.
- With a rotary heat exchanger it is possible to recover coolness from the extract air and transfer it to the supply air in summer time when the indoor air is cooler than the outdoor air
- The unit has electric after heating with a power of 800 W. Thanks to the rotary heat exchanger and intelligent humidity control, no preheating is required
- Unique modular design that allows the unit to be equipped with an optional module that contains a CX coil, water cooling coil or water heating coil
- The unit has a cooker hood connection, even when it is equipped with the additional module
- The unit has an intelligent defrost function
- Svea is always equipped with eAir control
- The device has versatile connectivity to different building automation (Modbus RTU, Modbus TCP-IP) and home automation systems (KNX, ABB-fritt @ home). Svea is also available as a terminal row model
- All components have quick connectors for easy maintenance
- The unit will be modeled in MagiCAD and Revit in early 2022

Teknichal specifications

Enervent Svea	
Max. air flow @100 Pa	620 m³/h
Hight	630 mm
Width	600 mm
Depth	600 mm
Weight	65 kg
Installation	Wall mounting / Ceiling mounting with mounting plate
Temperature	Must be installed in a room with a temperature above +5°C
Condensation drain	¼" inner thread
Mains voltage	230 V, 50 Hz
Nominal consumption without /with electric reheating	355 W / 1155 W
Rated consumption without / with electric reheating	2,7 A / 6,2 A
IP class	IP44
Outer casing	Sheet steel galvanized, powder coated
Inner material	Sheet steel, galvanized
Heat recovery	Rotating heat exchanger
Alternative heat exchangers	Premium, hygroskopic, sorption
Heat recovery rate (EN 13141-7:2010)	84,8 %

Characteristics

Svea supply and extract air characteristics with F7/M5 filter



More accurate dimensioning is possible with the help of our dimensioning software, which is available at the address: https://www.enervent.com/optimizer/

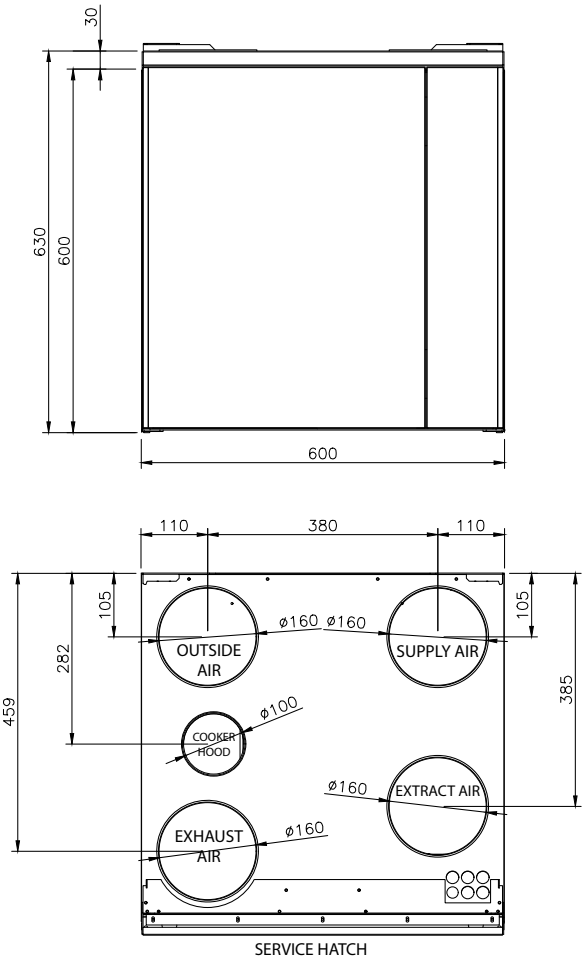
Article numbers

Ventilation unit	Article Nr
Svea eAir E right	P20 201 0002

Extra equipment	Article Nr
Built-in water trap	K90 001 0010
Svea ceiling mounting plate right	K93 004 0230

Filters	Article Nr
Svea replacement filters ISO ePM1 55% / ISO ePM10 75 % (F7/M5)	M21 020 0142

Dimension drawings



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