

Modular systems

ES NordFlex and ES NordFlex+ is highly efficient, heat pump based solutions developed by Swedish engineers offering maximum energy efficiency.

It's a reliable and safe total solution for heating, cooling and domestic hot water which is equally suitable for modernizing an existing heating system or for new installation.

ES NordFlex and ES NordFlex+ creates customized heating systems with heat pumps that makes energy supply in your building much more efficient. The systems can be combined with other supplementary and additive heat sources regard-less if it is electricity, oil, wood, pellets or district heating.

ES NordFlex is easy to install and its modular concept with heat pumps makes it suitable for all needs. It can also be supplemented post installation if needs change.

• EIS® NordFlex

ES NordFlex is developed for small to medium-sized commercial buildings and provides you, as a property owner, with an overview and control of the indoor climate. It also provides full control of the heating system through browser or smartphone even when you are not present in the building.

You get a modern and reliable heating and cooling system, domestic hot water production with capacity up to 140 kW.

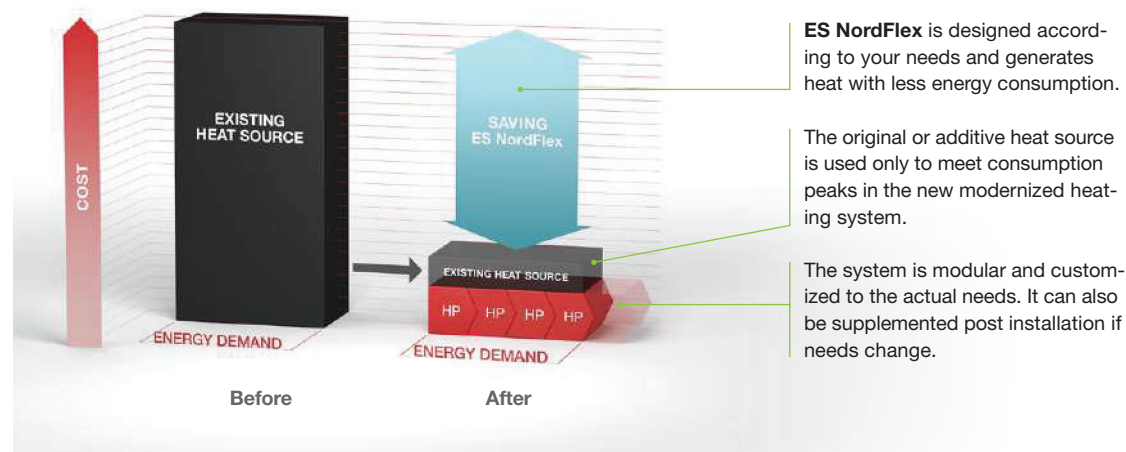
ES NordFlex is based on AW R32 series heat pumps.



High quality

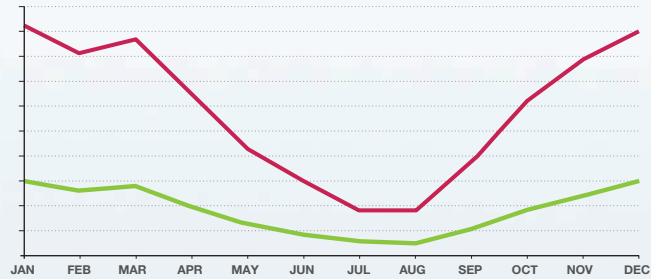
A complete and modern air-to-water heat pump system, developed by Swedish engineers for the Nordic climate delivering heating, cooling and domestic hot water.

Examples of energy savings when modernization of an existing heating system



•ES NordFlex

Yearly heating costs



— Previous year with former heating source
 — With ES NordFlex

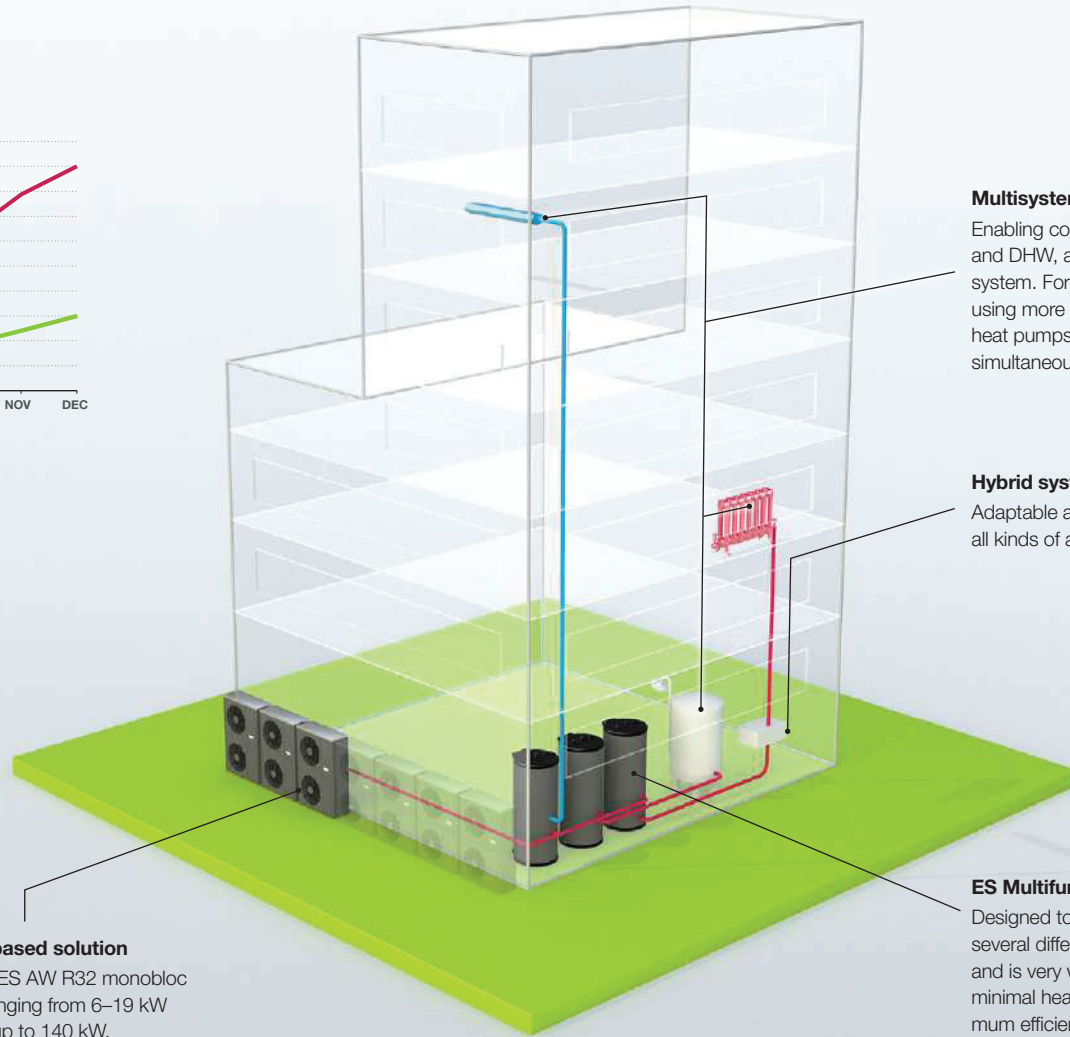


Control and monitoring

A user friendly HMI enables easy control and monitoring of the system either through the control box or smartphone and web.

Module based solution

Built with ES AW R32 monobloc units in ranging from 6–19 kW enabling up to 140 kW.



Multisystem

Enabling cooling, heating and DHW, all from one system. For systems using more than three heat pumps it can happen simultaneously.

Hybrid system

Adaptable and integrable with all kinds of additive sources.

ES Multifunctional tanks

Designed to efficiently combine several different heat sources and is very well insulated for minimal heat losses and maximum efficiency.

• EIS NordFlex⁺

The increasing electrification in the society, having more electric cars and other electric vehicles, demands more efficient solutions for energy consumption overall, to free electricity for those who need it, when they need it.

ES NordFlex+ can be a part of an energy system or a microgrid, interacting with for example district heating, tariffs for electricity and the amount of hot water in storage. This makes it possible to balance your energy system, producing energy when demand is low and the cost of electricity is low, and use the stored energy when demand occurs. Doing that you free electricity from the main grid, available for those who need it at that time.

This way ES products contribute to the energy transition and helps building modern and efficient energy systems, which enables lower costs and less CO₂-emissions. ES NordFlex+ is developed to enable bigger systems with bigger power needs. This can be for example big commercial buildings or as decentralized district heating networks, microgrids.

The system is based on our AW 30, 45 and 90 kW EVI units and can consist of up to 16 heat pumps enabling systems of up to 1.44 MW.

The European market today



75% of European building stock is energy inefficient.



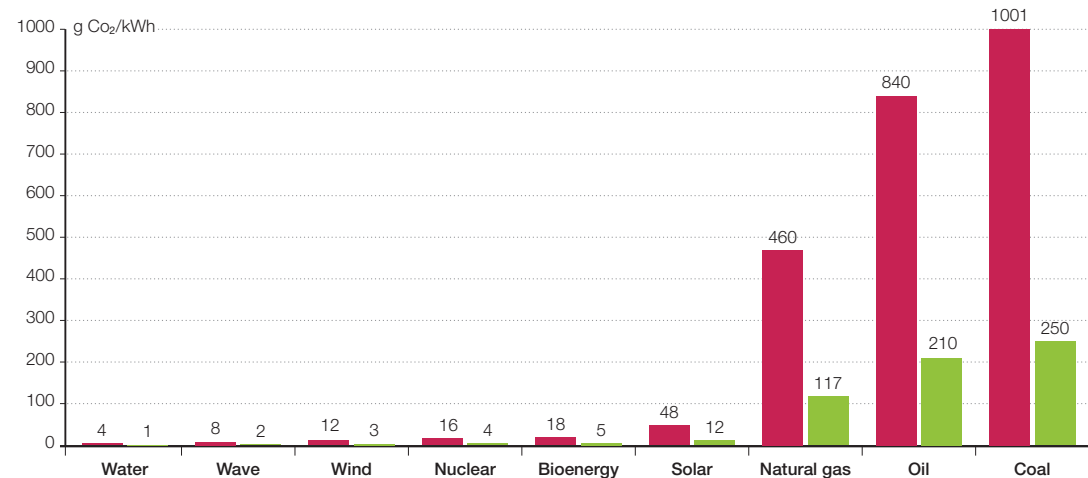
97% of buildings in the EU need to be up-graded.



<1% of EU building stock is renovated each year.

CO₂ emissions for different sources generating electricity and energy

■ Electric energy from respective source
■ ES NordFlex generated energy from respective source*



*Based on SCOP for heat pumps of 4.0 (average climate, low temperature)

• **ES NordFlex⁺**

