

MAKING MODERN LIVING POSSIBLE



CHOOSE QUALITY

Danfoss provides state-of-the-art control components and systems for energy-efficient home heating.

With our technical expertise, application knowledge and detailed understanding of consumer heating needs, we help you get the best solutions available.

1 way

Visit heating.danfoss.com

Visit us online for information, support advice and inspiration.

Building comfort and efficiency into your home

Danfoss offers the ultimate energy-efficient heating solutions for your home. Our products increase the comfort of your home, reduce bills and make your heating system easier to manage. Mix and match

products to suit your needs – and enjoy the benefits of maximum comfort using minimum energy. Make life easy – use Danfoss for energy efficiency and comfort.



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MAXIMUM COMFORT USING MINIMUM ENERGY



Combination means convenience

Danfoss energy-efficient products can be effectively combined to work with each other to create even greater savings. Regardless of your current heat source, where you live or how much you can afford, there is a Danfoss solution to match.

Optimize for greater savings

Energy optimizing is about creating the best possible supply and flow of energy around your house. For example, en-

suring that energy savings achieved with a new heat control system are not wasted due to inadequate insulation. Optimizing is not just about choosing the right heat source, but also about regulating it properly with an effective control system.

Controls ensure the efficiency of your heating system by maintaining the right temperature, pressure and flow needed to achieve the level of comfort and convenience you desire. In optimizing your system you need to think about several elements including the size of your home, how it is insulated, how much maintenance it needs and available heat sources in your area. A well-adjusted heating system is one of the easiest ways to reduce energy consumption and achieve significant savings.

Start saving today

Contact your local installer or visit heating.danfoss.com to discover more about our energy-efficient solutions.

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Minor renovations, replacements and upgrades

This table is your guide to planning the most energy-efficient renovations, replacements or upgrades for your home. Based on your available energy source and investment level, the table shows you exactly what combination of elements will be the best fit for an optimum solution.

Relevant scenario	Recommendation	Energy saving	Information	Investment
When you have an oil-fired boiler.	Reduce the total oil usage and remove soot from the oil-fired boiler.	4%	Minor energy savings. Annual maintenance and soot removal from the combustion and removing soot from the oil-fired boiler to optimize combustion and reduce emissions.	●●●●●●●●
When you have a condensing boiler.	Introduce balancing.	10%	Improve balance so that the boiler always operates at optimal operating levels.	●●●●●●●●
When you have a condensing gas boiler.	Reduce the total room thermostat with a programmable room thermostat.	10%	Use advanced time-proportional room thermostats. The gas boiler is kept longer at a lower temperature, the boiler is most efficient in condensing mode.	●●●●●●●●
When you have electric floor heating.	Install thermostats with intelligent limits.	20%	The right thermostat with the right limits in your electrically heated floor.	●●●●●●●●
When you have hydronic floor heating.	Install individual wireless room control or hydronic floor heating.	15%	The ideal temperature at the right time in the room.	●●●●●●●●
When you have radiators.	Replace manual or older electronic thermostats with electronic thermostats.	23/46%	By replacing old thermostats with our new electronic ones, you can save 23% of energy used by heating radiators with new, more efficient products for your radiators.	●●●●●●●●
When you have district heating, oil or gas boiler.	Install a weather compensator and let the heat supply reflect outside temperature.	15–40%	Ensures that the heat source delivers the right temperature to the indoor or floor heating system.	●●●●●●●●
When you want easy-to-install heating for your floor.	Install electric floor heating controlled as programmable room thermostat.	25%	Restoration floor heating systems. The electric floor heating is controlled as programmable room thermostat, providing energy savings, reduced costs and optimized comfort.	●●●●●●●●
When you want fast reacting heating for your floors.	Install a fast reacting hydronic floor surface, controlled via programmable CPZ control system.	25%	Fast reacting hydronic floor surface, controlled via programmable CPZ control system.	●●●●●●●●
When you want improved energy efficiency in your heating system.	Install a heat recovery ventilation system.	20%	All air is exchanged at least every 12 hours, but not more than once in the exhaust air is recovered.	●●●●●●●●
When you want a greener and more energy efficient heat source.	Replace inefficient oil or gas boiler with pump driven heat with direct heating.	50–75%	Highly efficient compared to traditional oil or gas boiler. The pump can help achieve massive savings.	●●●●●●●●

Major renovations or new build

To make it easier for you, we have pre-defined some product packages for major renovations and new builds. Please speak to your installer for further information.

Basic package	Advanced package	High performance package
<ul style="list-style-type: none"> Control high performance, self-acting smart energy systems. Compared to electronically controlled products, this limits the options to controlling the heating system. Limited savings, but you can still expect to see significant improvements to overall performance. 	<ul style="list-style-type: none"> The advanced package contains more electronically controlled products than the basic package. Electronic products can be controlled more effectively and also enable individual systems to be optimized for better performance. The systems are designed to work together to achieve optimal energy savings. 	<ul style="list-style-type: none"> Includes smart control and design. Not only smart energy efficient control and scheduling of heating systems is optimized, but the systems are also designed to work together to achieve optimal energy savings. By knowing your home's exact heat demand, the smart control system can help produce the exact amount of energy needed.

The products in the three packages differ, depending on the energy supply available. Please ask your installer for advice.

TAKE CONTROL WITH INTEGRATED SOLUTIONS

1 central control
Danfoss Link enables easy control of the entire system via intelligent communication across products.



1 + 1 = 3

Danfoss Link controls a whole range of devices, including radiator thermostats, hydronic and electric floor heating devices and heat pumps. It regulates heating throughout your home – simply, effectively and wirelessly and from one central point.

As a central interface for the entire heating system, Danfoss Link enables 'heat scheduling'. This ensures that individual room temperatures will always match the need at any given hour of the day. Danfoss Link also enables the Danfoss heat pump, floor heating and thermostats to 'talk' together. By knowing your home's exact need for heat, the Danfoss heat

Control and balance
The key to providing greater comfort and reduced energy consumption is to ensure that the temperature in your heating system matches your heat requirements. This can be done effectively by energy-efficient stand-alone components. By adding electronic controls – such as weather compensators, radiator thermostats and floor heating controls – you can do it even better.

Comfort is in the air
Fresh air and cooling' are often just as important as heating. Heat recovery ventilation systems are vital in new buildings to ensure fresh air and minimize energy consumption. If you are renovating and insulating your home, you will probably experience problems with moist air and a lack of fresh air, as your house becomes 'tighter', with less air entering from outside. Heat recovery ventilation is the ideal solution to this problem.

A good heat recovery ventilation system not only ensures an optimum indoor climate; it also allows for so-called 'passive cooling' in the summer.

1 stop shop

Assemble your Danfoss information here

