



CHOOSE QUALITY

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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.

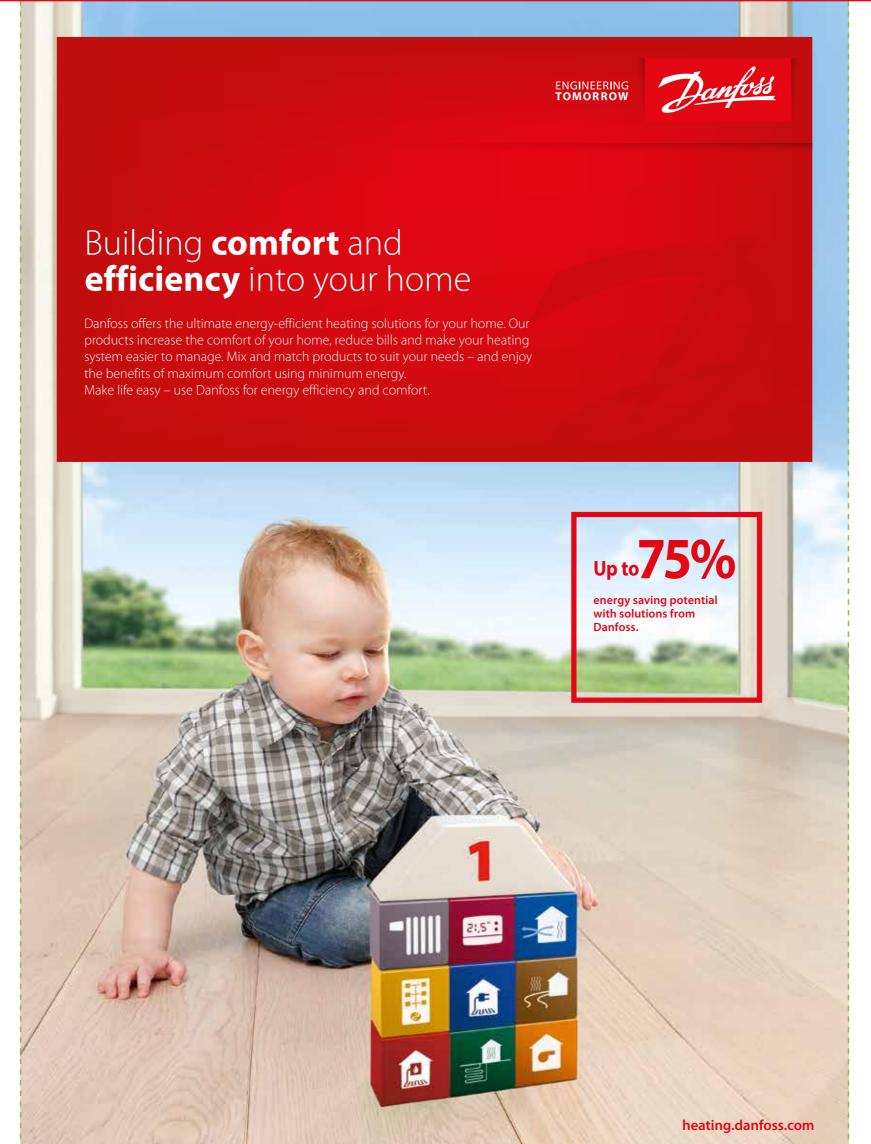
Start saving today

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

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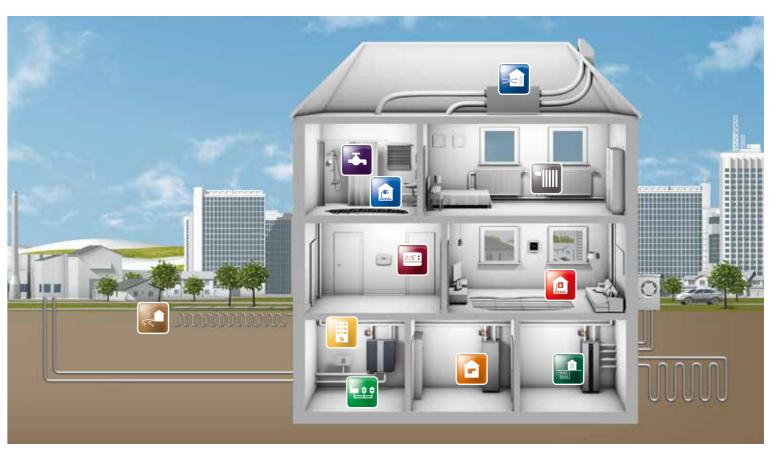
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MAXIMUM COMFORT

USING MINIMUM ENERGY



Combination means convenience

Danfoss energy-efficient products can suring that energy savings achieved and convenience you desire. In optiyou can afford, there is a Danfoss solution to match.

Optimize for greater savings

best possible supply and flow of energy right temperature, pressure and flow around your house. For example, en-needed to achieve the level of comfort

be effectively combined to work with with a new heat control system are not mizing your system, you need to think ings. Regardless of your current heat Optimizing is not just about choosing size of your home, how it is insulated,

Energy optimizing is about creating the heating system by maintaining the savings.

each other to create even greater sav- wasted due to inadequate insulation. about several elements, including the source, where you live or how much the right heat source, but also about how much maintenance it needs and regulating it properly with an effective available heat sources in your area. A well-adjusted heating system is one of the easiest ways to reduce energy Controls ensure the efficiency of your consumption and achieve significant

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 desired investment level, the table shows you exactly what combination of elements will help you find the optimum solution.

	Relevant scenario	Recommendation	Energy saving	Information	Investment
Ġ	When you have an oil-fired boiler.	Replace the old oil nozzle and remove soot from the oil-fired boiler.	4%	Maintenance means savings. Annual replacement of the oil nozzle, adjustment of the combustion and removing soot from the oil-fired boiler optimizes combustion and reduces oil consumption.	•••00000
	When you have a condensing boiler.	Introduce balancing.	10%	Improve balance so that the boiler always operates in optimal condensing mode.	•••••
-	When you have a condensing gas boiler.	Replace the dial room thermostat with a programable room thermostat.	10%	Via the advanced time-proportional control program in the programable room thermostat, the gas boiler is kept longer in its condensing mode. The boiler is most efficient in condensing mode.	•••00000
21,5*:	When you have electric floor heating.	Install thermostats with intelligent timers.	20%	The right temperature at the right time in your electrically heated floor.	•••••
	When you have hydronic floor heating.	Install individual wireless room control for hydronic floor heating.	15%	The desired temperature at the right time.	•••••
-	When you have radiators.	Replace manual valves or old radiator thermostats with electronic thermostats.	23/46%	By replacing old thermostats with our new electronic ones, you can save 23% of energy used. By replacing manual valves with new living by Danfoss products, you can save 46%.	•••••
	When you have district heating, oil or gas boiler.	Install a weather compensator and let the heat supply reflect outside temperatures.	15-40%	Ensures that the heat source delivers the right temperature to the radiator or floor heating system.	•••••
į.	When you want easy-to-install heating in your floor for improved comfort.	Install electric floor heating controlled via programable thermostats or remote controller.	25%	Fast-reaction floor heating systems. The rapid response of the systems provides the	•••••
	When you want fast-reacting floor heating for improved comfort in your home.	Install SpeedUp™ light hydronic floor heating, directly below the floor surface, controlled via programable CF2+ control system.	25%	desired temperature in minutes, providing energy savings, reduced costs and optimized comfort.	•••••
	When you want improved indoor air quality with almost no heat loss.	Install a heat recovery ventilation system.	20%	All air is exchanged at least every 1/2 hour, controlling the humidity. Heat in the exhaust air is recovered.	•••••
	When you want a greener and more energy-efficient heat source.	Replace inefficient oil or gas boiler with air/water or ground/ water heat pump (alternative with district heating).	50-75%	Highly efficient compared to traditional energy sources, heat pumps can help achieve massive savings.	•••••
	more energy-efficient heat	boiler with air/water or ground/ water heat pump (alternative with	50-75%	energy sources, heat pumps can help achieve	•••••

Major renovations or new build

Basic package	• 0 0	Advanced package ● • O	High performance package ● ● ●
Contains high-performance, self-acting stance nents. Compared to electronically controlled limits the options for controlling the heating secontrol means reduced comfort, convenience savings, but you can still expect to see signification over current performance.	products, this system. Limited e and energy	The advanced package contains more electronically controlled products than the basic package. Electronic products can be controlled more effectively and also enable scheduling. Scheduling means ensuring the right temperature at the right time and thereby achieving comfort and energy savings.	Includes a central control and display. Not only does this enable convenient, central control and scheduling of heating It also enables products to 'talk' together so that the entire system is optimized as a whole. As an example, a heat pump can be electronically integrated with the floor heating system and radiator thermostats. By knowing the demand for heat inside your home, the heat pump only produces the exact amount of energy needed.

TAKE CONTROL WITH **INTEGRATED SOLUTIONS**



1 + 1 = 3

Danfoss Link controls a whole range pump is always running in an optimal Comfort is in the air of devices, including radiator ther- way, providing additional energy sav- Fresh air and 'cooling' are often just as heating devices and heat pumps. It perature fluctuations. regulates heating throughout your home – simply, effectively, wirelessly **Control and balance** and from one central point.

always match the need at any given stand-alone components. By adding solution to this problem. hour of the day. Danfoss Link also electronic controls – such as weather gether. By knowing your home's ex- do it even better. act need for heat, the Danfoss heat

mostats, hydronic and electric floor ings and comfort due to fewer tem- important as heating. Heat recovery ventilation systems are vital in new buildings to ensure fresh air and minimize energy consumption. If you are The key to providing greater com- renovating and insulating your home, fort and reduced energy consump- you will probably experience prob-As a central interface for the entire tion is to ensure that the tempera-lems with moist air and a lack of fresh heating system, Danfoss Link enables ture in your heating system matches air, as your house becomes 'tighter', 'heat scheduling'. This ensures that your heat requirements. This can be with less air entering from outside. individual room temperatures will done effectively by energy-efficient Heat recovery ventilation is the ideal

enables the Danfoss heat pump, floor compensators, radiator thermostats. A good heat recovery ventilation sysheating and thermostats to 'talk' to- and floor heating controls - you can tem not only ensures an optimum indoor climate: it also allows for so-called 'passive cooling' in the summer.

