



Optimised Heating 4

Our mission:
beating
the winter cold



Daikin's next-generation split range for colder climates

Why choose Daikin?





When the temperature drops below freezing, it's important you have the right system to maintain an ideal indoor climate. But your system should do more than just maintain temperature consistency, it should also be reliable, energy efficient and easily controlled.

With more than 90 years of experience in climate control technologies, we understand what it takes to create a comfortable environment for your home, business or office. That's why we are proud to introduce the latest edition of our Split range: Optimised Heating 4.

Backed by research from our European Development Centre, Optimised Heating 4 is a heating solution built in Europe, for North-European climates. Equipped with R-32 refrigerant and enhanced features, Optimised Heating 4 uses the latest technologies to achieve more energy efficiency and energy savings.

Discover how Optimised Heating 4 can help you achieve your perfect climate.

Why choose Daikin's Optimised Heating 4

✓ Efficiency **A⁺⁺⁺**

Designed for colder climates, Optimised Heating 4 creates a comfortable interior environment while maintaining excellent energy efficiency ratings.

- › Built to attain high energy efficiency at low ambient temperatures, Optimised Heating 4 achieves A+++ in heating with:
 - R-32 refrigerant
 - 2-chamber swing compressor: enhanced compressor uses inverter technology and small capacity steps to adjust a unit's power and meet energy demands
- In comparison to a rotary compressor, the 2-chamber swing compressor provides more energy savings, a lower risk for unit breakdown and quieter and vibration-free operation.

✓ Reliability

To guarantee the seamless operation of your heating system, even in temperatures as low as -25°C, the Optimised Heating 4 range offers enhanced features:

- › A large size compressor for comfortable heating and capacity whenever needed
- › Upgrades for fewer defrost cycles
- › Extended pipe and drain connections for easier installation
- › Free hanging coil: no need for a heater cable. This saves money and eliminates trouble when heater cable breaks down.

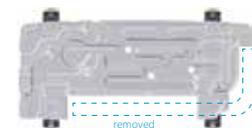
The Optimised Heating 4 range also includes additional improvements to reduce ice buildup, such as:

- › An enhanced bottom plate to improve water drainage



Additional benefits:

- Releases melted ice around the heat exchanger
- Prevents ice buildup between legs and brackets
- Uses a vibration absorber to muffle vibrations



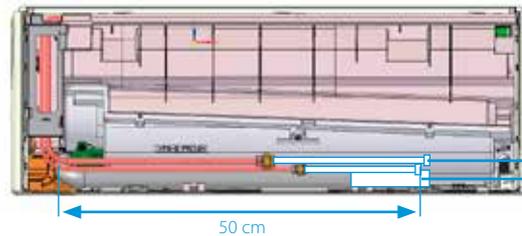
The bottom frame discharges water directly to the ground.

✓ Easy installation

The Daikin Optimised 4 offers a wide range of systems optimised for any environment.

The range also offers a quick and easy installation process, which includes:

- › Extended piping: This longer piping is specifically adapted to accommodate the thicker walls of Scandinavian buildings, and help contractors cut down on installation time
- › Improved lift handle: Newly designed handle helps installers easily carry an outdoor unit while wearing thick gloves



Auxiliary piping is expanded to 50 cm to meet market demand and decrease installation time. It's also adapted to fit the wall thickness of Scandinavian houses.

Stylish FTXTA30	+180mm
Perfera FTXTM30	+180mm
Perfera FTXTM40	+160mm
Comfora FTXTP25-35	+180mm

Extended auxiliary piping
Extended drain hose

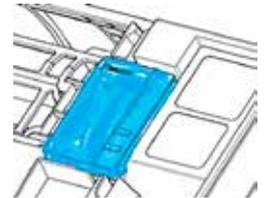


✓ Easy control

With the Daikin Online Controller, you can schedule, manage and monitor your heating system from anywhere.

Simply connect your unit to Wi-Fi and download the app to change the thermostat, set temperature schedules, review your energy consumption and develop your own “If this, then that” workflow.

The Daikin Online Controller is standardly available for Stylish (FTXTA) and Perfera (FTXTM). For Comfora (FTXTP) and floor standing units (FVXM), the Daikin Online Controller is foreseen as an option.



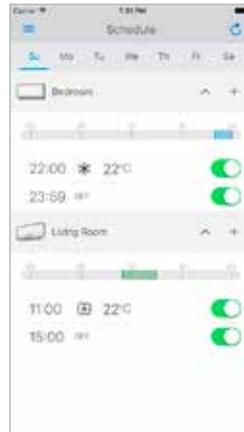
Your home

This screen provides you with an overview of your home, and access to all of the features to control up to 50 units at once.



Individual rooms

With the interactive thermostat, you can adjust the temperature, operating mode, air purification and fans for individual rooms.



Time scheduling

Create different schedules with up to 6 actions a day for 7 days and activate specific operation modes.



Energy usage

Icons show where you can save on energy and money



If this, then that

Programme your unit to reflect your lifestyle. Connectable with different appliances via the iFTTT platform, you can control the indoor climate of your home from a distance. For example: If you leave your house, then your heating will turn off.

✓ Comfort:

With the Optimised Heating 4 range, you never have to sacrifice comfort for energy efficiency.

Fresh, healthy air

Creating a healthy indoor environment is essential for regions with colder climates. Daikin uses Daikin Flash Steamer technology and a Saranet filter to improve the air quality of your office, home or store.

Comfortable air flow

Daikin intelligent eye also directs air flow and switches the system to an energy efficient mode when no occupants are detected in a room.

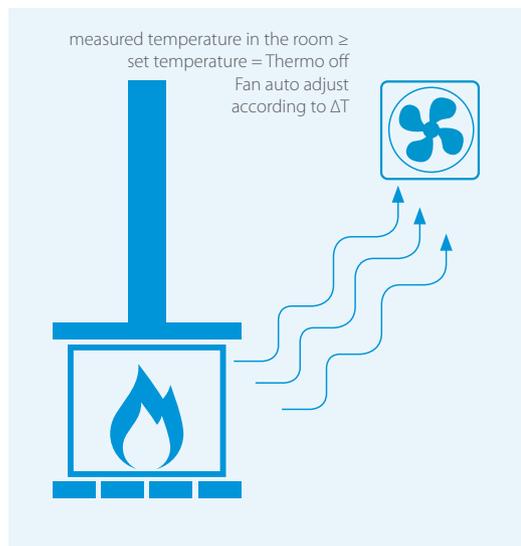
The fan (speed and noise level) guarantee a unit's seamless operation.



The fireplace scenario

Daikin systems are flexible and easy to adapt for any room, including spaces that contain additional heat sources, such as a fireplace.

- › Rooms that contain a fireplace tend to be warmer and have a temperature that is higher than the original setting.
- › If the set temperature is reached in heating mode, the operation Fireplace logic will start automatically.
 - › During Fireplace logic operation, the indoor unit fan distributes the hot air across the room.
 - › The airflow rate depends on difference between set temperature and temperature in the room (higher temperature difference = higher airflow rate).
- › The air flow decreases, the more the room temperature gets to its original setting.



Fireplace activation button on remote control

Stylish wall mounted unit

Designed for comfort

Why choose Stylish?

Stylish brings together excellent design and technology to deliver a total climate solution for any interior. Measuring only 189 mm, Stylish is the thinnest unit on the market in the design segment for wall mounted units and uses innovative features to achieve the best in comfort, energy efficiency, reliability and control.

Award-winning design

Inspired by its predecessors, Daikin Emura and Ururu Sarara, Stylish earned the Good Design Award for its innovative look and functional capabilities.

This award also recognises Stylish for its ability to achieve new standards of comfort and energy efficiency in the HVAC-R industry.



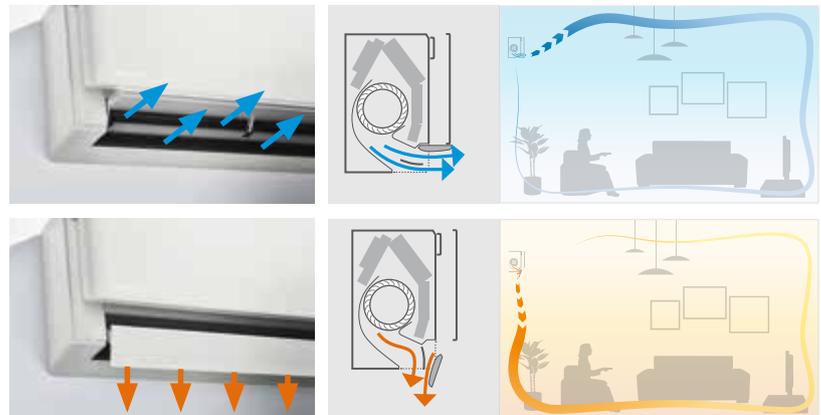
reddot award 2018
winner



GOOD DESIGN
AWARD 2017

The Coanda effect

Already present in the Ururu Sarara, the **Coanda effect** optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room.



The Coanda effect creates two different airflow patterns depending on whether Stylish is in cooling or heating mode. On the top is the Coanda effect in cooling mode (ceiling airflow), while the bottom images demonstrate the Coanda effect in heating mode (vertical airflow).

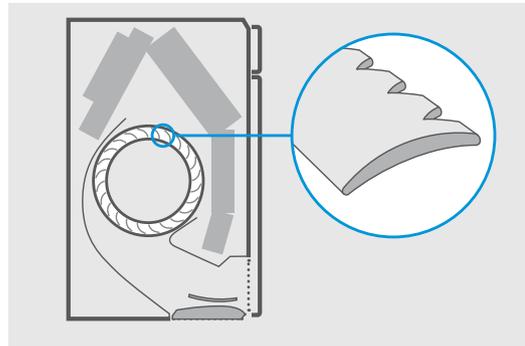


stylish

Quiet operation

Stylish uses a **newly designed fan** to optimise airflow for higher energy efficiency at low sound levels.

To achieve higher energy efficiency, Daikin designed a new fan that runs efficiently within Stylish's compact dimensions. Together, the fan and heat exchanger attain top energy performance but operate at a sound level that is practically inaudible to occupants.

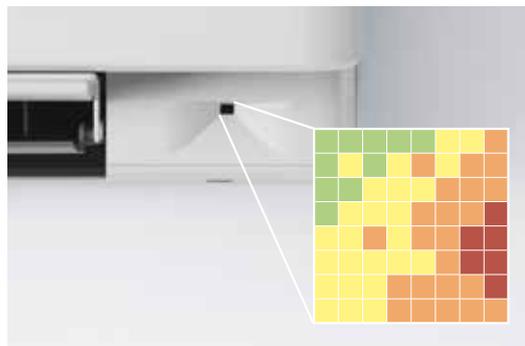


Sound dispersion and noise reduction are the results of new fan design.

Stable room temperatures

Stylish uses a **intelligent thermal sensor** to detect the surface temperature of a room to create a more comfortable climate.

After determining the current room temperature, the intelligent thermal sensor distributes air evenly throughout the room before switching to an airflow pattern that directs warm or cool air to areas that need it.



The intelligent thermal sensor measures the surface temperature of a room by dividing it into a grid with 64 different squares.

Find your perfect climate

Benefits overview



stylish FTXTA-AW



BLUEEVOLUTION



Where innovation meets creativity, even at ambient temperatures down to -25°C

- › Seasonal efficiency values: A+++ in heating
- › The Coanda effect optimises the airflow for a comfortable climate. By using specially designed flaps, a more focused airflow allows a better temperature distribution throughout the whole room
- › Fresher, cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- › When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house

Capacity class	Seasonal efficiency (according to EN14825)							Indoor unit				Outdoor unit		Refrigerant	
	Cooling capacity	Heating capacity	Energy label	Pdesign	SEER	SCOP	Annual energy consumption	Dimensions	Sound power level	Sound pressure level		Sound power level	Sound pressure level		
	Min./Nom./Max. (kW)	Min./Nom./Max. (kW)	Cooling/Heating	Cooling/Heating (kW)	Cooling	Heating	Cooling/Heating (kWh)	H x W x D (mm)	Cooling/Heating (dBA)	Cooling (dBA)	Heating (dBA)	Cooling/Heating (dBA)	Cooling/Heating (dBA) Nom	Type/GWP	Charge (kg/TCO ₂ -Eq)
30	0.7/3.0/4.5	0.8/3.2/6.9	A++/A+++	3.0/2.6	7.63	5.12	138/714	295x798x189	60/60	20/25/32/43	19/24/31/41	61/61	48/49	R-32/675	1.1/0.75

contains fluorinated greenhouse gases



perfera FTXTM



BLUEEVOLUTION



Attractive, wall mounted design with perfect indoor air quality, even at ambient temperatures down to -25°C

- › Seasonal efficiency values: full range A+++ in heating
- › Fresher, cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- › When installed close to a heating device (e.g. fire place or oven) and the set temperature is reached, the fan keeps on running to have an even temperature throughout the whole house

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	Min./Nom./Max. (kW)	Min./Nom./Max. (kW)	Cooling/Heating	Cooling/Heating (kW)	Cooling	Heating	Cooling/Heating (kWh)	H x W x D (mm)	Cooling/Heating (dBA)	Cooling (dBA)	Heating (dBA)	Cooling/Heating (dBA)	Cooling/Heating (dBA) Nom	Type/GWP	Charge (kg/TCO ₂ -Eq)
30	0.7/3.0/4.5	0.8/3.2/6.7	A++	3.0/3.0	7.6	5.12	138/821	294x811x272	60/61	21/25/33/45	19/22/31/45	61/61	48/49	R-32/675	1.1/0.75
40	0.7/4.0/5.1	0.8/4.0/7.2	A+++	4.0/3.8	7.7	5.3	182/1004	300x1040x295		20/24/32/46	19/22/31/46				

contains fluorinated greenhouse gases

FLOOR STANDING UNIT - FVXM



Floor standing unit for optimal heating comfort thanks to dual airflow

- > Seasonal efficiency values: full range A+++ in cooling
- > Its low height (600 mm) enables the unit to fit perfectly beneath a window

Capacity class	Seasonal efficiency (according to EN14825)							Indoor unit			Outdoor unit		Refrigerant		
	Cooling capacity	Heating capacity	Energy label	Pdesign	SEER	SCOP	Annual energy consumption	Dimensions	Sound power level	Sound pressure level		Sound power level	Sound pressure level	Type/ GWP	Charge (kg/TCO ₂ -Eq)
	Min./ Nom./ Max. (kW)	Min./ Nom./ Max. (kW)	Cooling/ Heating	Cooling/ Heating (kW)	Cooling	Heating	Cooling/ Heating (kWh)	H x W x D (mm)	Cooling/ Heating (dBA)	Cooling (dBA)	Heating (dBA)	Cooling/ Heating (dBA)	Cooling/ Heating (dBA) Nom		
25	1.0/2.5/4.2	1.0/3.2/5.6	A+/A+	2.5/2.5	5.61	4.05	156/856	600x700x210	58/58	Silent/Low/Medium/High		61/61	48/49	R-32/675	1.1/0.75
35	1.1/3.5/4.3	1.1/4.0/6.0		3.5/3	5.66	4.02	216/1046			23/26/32/38	24/27/33/39				

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comfora FTXTF



Discreet wall mounted unit providing high efficiency and comfort, even at ambient temperatures down to -25°C

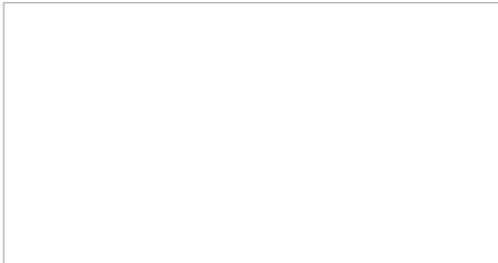
- > Seasonal efficiency values: full range A+++ in cooling and heating
- > Space saving contemporary wall mounted design

Capacity class	Seasonal efficiency (according to EN14825)							Indoor unit			Outdoor unit		Refrigerant		
	Cooling capacity	Heating capacity	Energy label	Pdesign	SEER	SCOP	Annual energy consumption	Dimensions	Sound power level	Sound pressure level		Sound power level	Sound pressure level	Type/ GWP	Charge (kg/TCO ₂ -Eq)
	Min./ Nom./ Max. (kW)	Min./ Nom./ Max. (kW)	Cooling/ Heating	Cooling/ Heating (kW)	Cooling	Heating	Cooling/ Heating (kWh)	H x W x D (mm)	Cooling/ Heating (dBA)	Cooling (dBA)	Heating (dBA)	Cooling/ Heating (dBA)	Cooling/ Heating (dBA) Nom		
25	0.7/2.5/4.0	0.8/3.2/6.2	A++/ A++	2.5/2.5	7.1	4.98	123/703	285x770x225	58/58	Silent/Low/Medium/High		61/61	48/49	R-32/675	1.1/0.75
35	0.7/3.5/4.4	0.8/4.0/6.7		3.5/3	7.2	4.81	175/873			21/26/35/43					

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