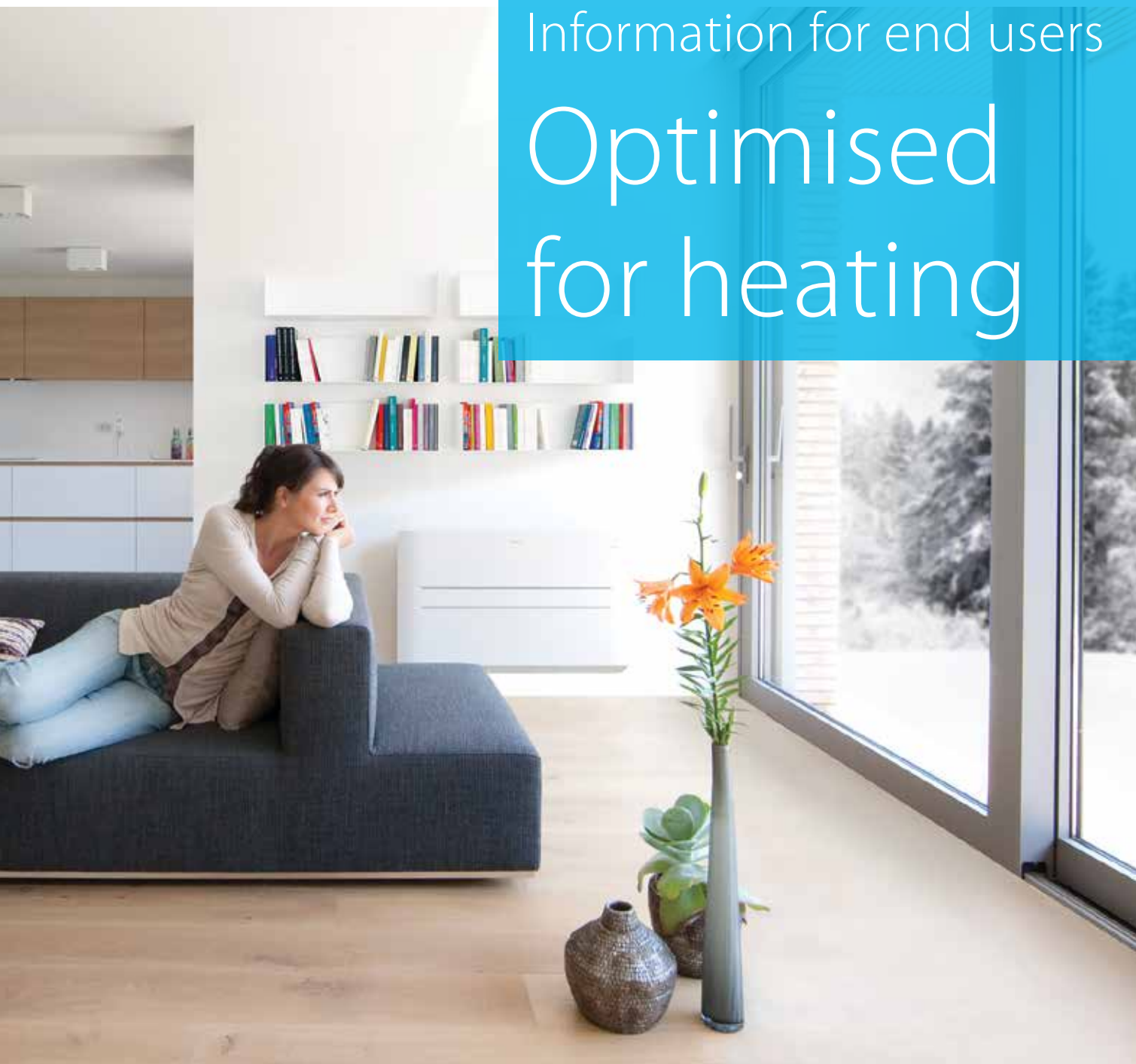


Information for end users

# Optimised for heating



Heat pumps for private homes  
Designed for colder climates

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# Why choose Daikin?

## 1. Especially designed for colder climates offering full reliability

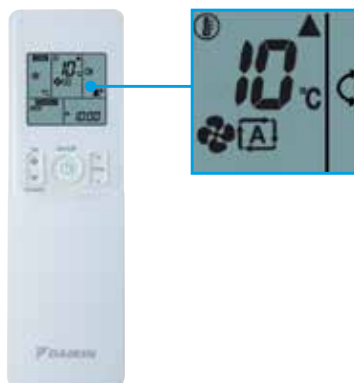
### Guaranteed operation down to -25°C

In extreme conditions, it is more important than ever that your heating system keeps working. Our advanced protection against frost and icing means we can guarantee excellent heating capacities at outdoor temperatures as low as -25°C. Our outdoor unit has a unique free-hanging coil which ensures that no ice build-up can occur in the lower part of the unit. At -15°C, the unit has a heating capacity of up to 4.50 kW and is highly efficient with a SCOP rating of up to A++.

### Preventing winter freezing in your summer home

You can set the system to switch on whenever interior temperatures drop below 10°C. This will prevent pipes from freezing, thus providing winter protection for unoccupied summer homes, garages and basements. By maintaining this temperature, the system reduces your winter heating costs.

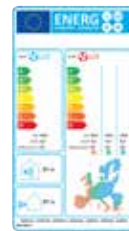
With our online controller you can manage your heating system away from home.



## 2. Optimum energy efficiency

### High seasonal energy efficiency: Up to A++

The Daikin heat pumps designed for colder climates have excellent seasonal efficiency ratings.

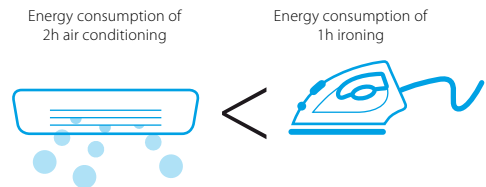


› SEER up to  
› SCOP up to

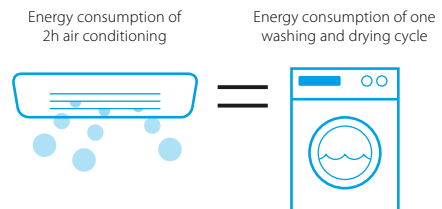


### Did you know that ...

... if you use your air conditioning continuously for 2 hours, you will use less energy than you do when ironing for 1 hour?\*



... using your air conditioning continuously for 2 hours uses as little energy as washing and drying one load of laundry?\*\*\*



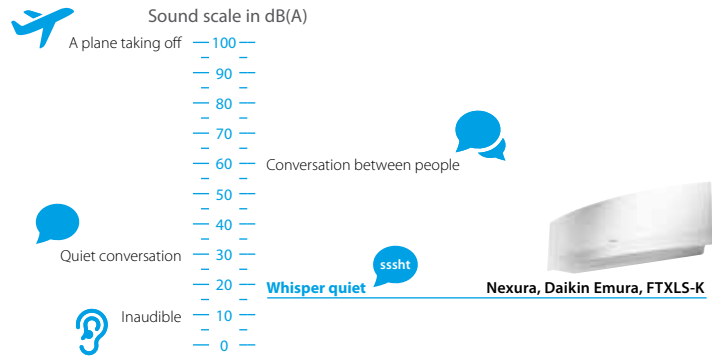
\* Comparing (nominal) power input of an average iron (1,000W) to a 2.5 kW unit in cooling.

\*\* Comparing power input of a typical washing & drying cycle (A+++ washing machine & A++ dryer) to a 2.5 kW unit in cooling.

### 3. Comfort all year round

#### Indoor units are quiet in operation: whisper quiet!

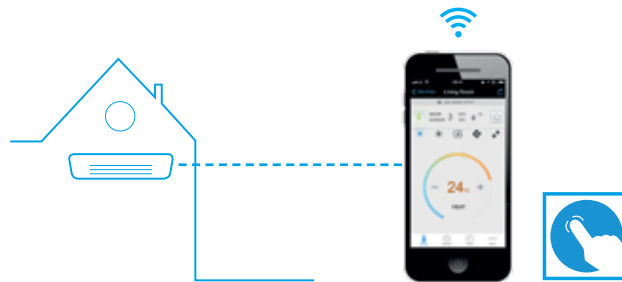
Your heating and cooling system should be noticed by what it does and not by how it sounds. That is why we have designed our indoor units to be whisper quiet. All our indoor units can operate below the sound level of a quiet conversation and, at 19 dB, the floor standing Nexura, wall mounted Daikin Emura and FTXLS-K series are even quieter, barely louder than rustling leaves.



#### Online Controller Always in control, no matter where you are

The plug-and-play extra WLAN device allows you to set and even schedule the temperature from anywhere, using iOS or Android systems.

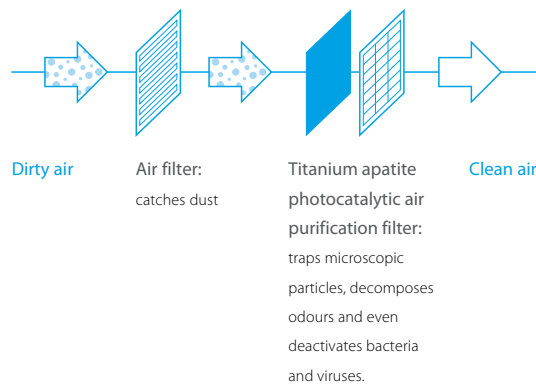
So you can manage the unit when away from home, or even set the temperature in your summer house, offering you optimum climate control while saving energy.



#### Pure in-house air

Breathing air that is free of dust, bacteria and other harmful particles is obviously better for your health. This is why Daikin indoor units all have a two-stage filtration system. The air passes through a first filter which captures the larger particles such as dust. It then passes through our special **titanium apatite photocatalytic air purification filter**.

This filter traps microscopic particles, decomposes odours and even deactivates bacteria and viruses. So the air that you breathe is truly pure and clean.



### 4. Wide range of indoor units

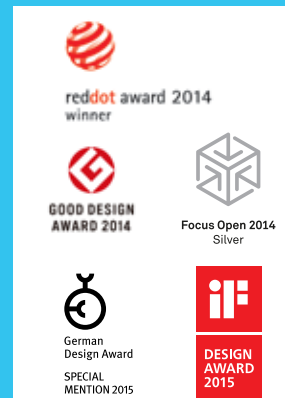
Daikin offers a market-leading range of systems optimised for any environment. You can choose from floor standing or wall mounted units depending on which is most suitable for your home.

#### Prestigious design

Our units combine ultimate performance with award-winning design which is perfectly at home with any interior.

### Award-winning design

Daikin Europe N.V. is proud to announce that Daikin Emura has been awarded with Reddot design award 2014, German Design Award - Special mention 2015, Focus Open 2014 Silver, iF design award 2015 and Good Design Award 2014. Daikin Emura was evaluated by an international jury that awards this seal of quality only to products that stand out thanks to its excellent design.



# Designed for colder climates: solutions for even the coldest regions

Relaxing at home with the perfect temperature in every room can be a challenge when **outside temperatures drop as low as -25°C**. And it is not just at home that you need to maintain a comfortable temperature. Keeping your **summer house warm over the winter** can help to minimise damage to plumbing and other structural elements. You want units which are quiet, draught-free and which will blend into your décor. And naturally, energy efficiency and cost are also important considerations.

So why should you choose Daikin? Because we know that the best way to deliver a comfortable, affordable indoor climate is to install a heat pump. Our heat pumps are specially designed to withstand the coldest of climates and have excellent energy efficiency ratings. They can help to prevent your summer house from freezing during the winter.

But performance is just one consideration. Our indoor units have been designed to blend into any style of home and there is **a wide range of models** you can choose from. They are whisper quiet and they distribute the air at your chosen temperature without creating the slightest draught. Daikin products are famously reliable and efficient and you will enjoy service to match.

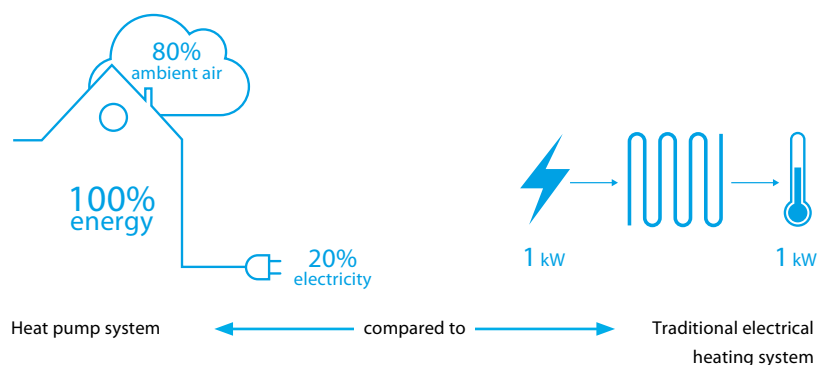
A wide network of Daikin installers are able to provide full service to your system.

## Daikin heat pump models

Combining the highest efficiency and year-round comfort with a heat pump system.

### Did you know that ...

Air-to-air heat pumps obtain 80% of their output energy from a renewable source: the ambient air, which is both renewable and inexhaustible. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass). A heat pump's year-round efficiency is measured in SCOP (Seasonal Coefficient Of Performance) for heating and SEER (Seasonal Energy Efficiency Ratio) for cooling.





SEASONAL EFFICIENCY  
Smart use of energy

## Europe's energy label: raising the bar on energy efficiency

As part of meeting its challenging 20-20-20 environmental goals, Europe is setting minimum efficiency requirement for air conditioners below 12 kW. This Eco-design Directive not only systematically raises the minimum requirements as far as energy performance is concerned, it has also changed the method for measuring this performance which is a better reflection of real-life conditions. This new seasonal performance rating gives a more accurate picture of real-life energy efficiency over an entire heating or cooling season by taking various temperature and load conditions into account.



### Temperature

NOMINAL	SEASONAL
1 Temperature condition: 35°C for cooling 7°C for heating	Several rating temperatures for cooling and heating, reflecting actual performance over an entire season
Does not often occur in reality	



### Capacity

NOMINAL	SEASONAL
Does not reflect partial capacity	Integrates operation at partial instead of full capacity
Benefits of inverter technology not visible	Benefits of inverter technology are shown



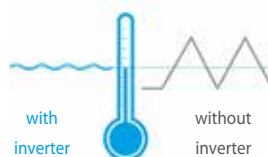
### Auxiliary modes

NOMINAL	SEASONAL
Does not take auxiliary power modes into account	Includes consumption auxiliary modes:
	<ul style="list-style-type: none"> <li>&gt; Thermostat off</li> <li>&gt; Standby mode</li> <li>&gt; OFF mode</li> <li>&gt; Crankcase heater</li> </ul>

**Nominal efficiency** gives an indication about how efficient an air conditioner is when operating in a nominal condition. **Seasonal efficiency** gives an indication about how efficient an air conditioner is when operating over an entire cooling or heating season.

## Inverter control optimises efficiency

Daikin's inverter technology **adjusts the power used to match the precise temperature you need**, no more, no less. And because the inverter continuously adjusts the heating or cooling output to the temperature you want, you always feel comfortable.



The other major advantage of an inverter is that because it is always monitoring and adjusting the temperature, **energy consumption drops by around 30%** compared with an ordinary on/off system.



## Indoor Units

### Why choose a wall mounted unit?

Wall mounted units are simple to install. They can be placed subtly, high on a wall, where they do not distract from your décor. Whether your rooms are large or small, we have units with the capacities to provide the climate you want and which suit your budget. We can offer you anything from high-efficiency design units, to units which offer excellent value for money.



### Why choose a floor standing unit?

Floor standing units generally offer you a larger heating capacity due to the size of the unit. They can be placed under windows like traditional convection heaters, or in recesses for better integration into the room's décor.



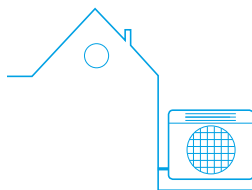




## Outdoor Units







When temperatures plunge, it is more important than ever that your heating operates as efficiently as possible. That is why Daikin outdoor units for cold climates are designed with features that ensure they can deal with even the most extreme conditions your winters can offer.

They have a free-hanging coil which avoids ice build-up. Your installer will install the unit in the best location to shield it from direct exposure to wind chill which can accentuate lower temperatures. And Daikin outdoor units are designed for your installer to hang them high enough not to be affected even by the heavy snowfalls you often experience.



# Indoor units

## Product overview






Type	Model	Product name	
Wall mounted	<p><b>Daikin Emura</b>  <b>Award winning design</b>                      The Daikin Emura's most obvious asset is its looks. The sober but stylish appearance adds an additional dimension to Daikin's well-known brand values of superior comfort and quality. Daikin is the only manufacturer offering a design model created in Europe for the European market, using European technical and design standards to meet our customer's needs precisely. Daikin is also proud to announce that the Daikin Emura has won the Reddot design award 2014, received a German Design Award Special Mention, a Focus Open 2014 Silver, iF design award 2015 and a Good Design Award 2014.</p> <p><b>Optimum seasonal efficiency</b>                      Seasonal efficiency gives a more realistic indication about how efficiently air conditioners operate over an entire heating or cooling season. The label includes classifications from A+++ to G. Daikin Emura achieves high energy efficiencies : SEER up to A++ and SCOP up to A++.</p> <p><b>Comfort</b>                      Daikin Emura is equipped with a <b>2-area intelligent eye</b>: Air flow is sent to a zone other than where the person is located at that moment. If no people are detected, the unit will automatically switch over to the energy efficient setting.  <b>Whisper quiet</b>: Daikin Emura is whisper quiet with sound levels down to 19dB. You can operate the Daikin Emura with an optional online controller via an app from anywhere with internet access.</p>	FTXG-LW/S	
	<p><b>Wall mounted unit</b>  <b>Optimum seasonal efficiency</b>                      This wall mounted unit has SEER and SCOP levels up to A++.</p> <p><b>Comfort</b>                      A discreet and modern wall mounted unit with a smooth curved design which blends seamlessly with all kinds of décor. The <b>2-area intelligent eye</b> optimises the air flow pattern for maximum comfort. It has a user-friendly remote control, and an optional online controller which allows you to control your indoor unit via an app from anywhere with internet access. It is <b>whisper quiet</b>, 19 dB operation means you will hardly hear it at all.</p>	FTXLS-K	
Wall mounted	<p><b>Wall mounted unit</b>  <b>High seasonal efficiency</b>                      This wall mounted unit has SEER and SCOP levels up to A+.</p> <p><b>Comfort</b>                      The unit is compact and easy to install in unobtrusive areas, ideal for renovation projects or your summer home, especially areas such as above doorways. It provides excellent air flow and distribution. You can operate it with an optional online controller via an app from anywhere with internet access.</p>	FTXL-JV	
	<p><b>Wall mounted unit</b>  <b>High seasonal efficiency</b>                      This wall mounted unit has SEER and SCOP levels up to A+.</p> <p><b>Comfort</b>                      This Siesta unit's compact dimensions make it ideal for renovation projects or summer homes, especially in areas such as above doorways. Its optional online controller means that you can operate it via an app from anywhere with internet access. It provides excellent air flow and distribution.</p>	ATXL-JV	
Floor standing	<p><b>Nexura - floor standing unit with radiant heat panel</b>  <b>Optimum seasonal efficiency</b>                      The nexura has an SEER of up to A++ and an SCOP up to A+.</p> <p><b>Top comfort</b>                      The quiet and discreet Nexura floor standing unit offers you the best in heating and cooling comfort with a timeless stylish design. The aluminium front panel, which warms up like a traditional radiator, gives an extra touch of warmth on really cold days. Vertical auto swing means draught free operation and prevents ceiling soiling.</p> <p>The Nexura is whisper quiet, operating at just 23 dB when cooling and a mere 19 dB in radiant heat mode. That is less than half as loud as ambient sound in a quiet room! Its optional online controller allows you to operate it via an app from anywhere with Internet access. Whether it is mounted against a wall or recessed, its low height means it can be installed beneath a window.</p>	FVXG-K	
	<p><b>Floor standing unit</b>  <b>High seasonal efficiency</b>                      This floor standing unit has SEER levels up to A and SCOP levels up to A+ .</p> <p><b>Comfort</b>                      This discreet, compact unit can be installed against a wall, or recessed, and is low enough to fit beneath a window. Vertical auto swing distributes the air and temperature evenly throughout the room. The optional online controller allows you to operate it via an app from anywhere with internet access.</p>	FVXS-F	



# Benefits






## overview

			FTXG-LW/S	
				
We care icons	 Econo mode	Decreases the power consumption so that other appliances that need large power consumption can be used.		●
	 2-area intelligent eye	Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left & right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.		●
	 Energy saving during operation standby	Current consumption is reduced by about 80% when operating on standby.		●
	 Night set mode	Saves energy, by preventing overcooling or overheating during night time.		●
	 Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.		●
Comfort	 Comfort mode	The unit automatically changes the angle of the air discharge louvre depending on the mode. In cooling operation the air will be directed rather upwards to avoid cold draught, while in heating operation the air will be directed rather downwards to avoid cold feet.		●
	 Powerful mode	If the temperature in the room is too high/low, it can be cooled down/heated quickly by selecting the 'powerful mode'. After the powerful mode is turned off, the unit returns to the preset mode.		●
	 Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.		●
	 Whisper quiet	Daikin units are whisper quiet (19 dBA).		●
	 Radiant heat	The front panel of the indoor unit radiates additional heat to add to your comfort on cold days.		
	 Indoor unit silent operation	To ensure a quiet environment for studying or sleeping the user can lower the operation sound of the indoor unit by 3dB(A) via remote control.		●
	 Outdoor unit silent operation	To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3dB(A) via remote control.		●
Air flow	 3-D air flow	This function combines Vertical and Horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.		●
	 Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.		●
	 Horizontal auto swing	Possibility to select automatic horizontal moving of the air discharge louvre, for uniform air flow and temperature distribution.		●
	 Auto fan speed	Automatically selects the necessary fan speed to reach or maintain the set temperature.		●
	 Fan speed steps	Allows to select up to the given number of fan speed.		5
Air treatment	 Dry programme	Allows humidity levels to be reduced without variations in room temperature.		●
	 Titanium photocatalytic air purification filter	Removes airborne dust particles and decomposes the odour of for example tobacco and pets. It also decomposes harmful organic chemical substances such as bacteria, viruses and allergens.		●
Remote control & timer	 Online controller via app	Control your indoor unit from any location via app (optional WLAN adapter).		●
	 Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis.		●
	 24 hour timer	Timer can be set to start cooling/heating anytime during a 24-hour period.		●
	 Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.		●
	 Wired remote control	Wired remote control to start, stop and regulate your indoor unit from a distance.		●
	 Centralised remote control	Centralised control to start, stop and regulate several indoor units from one central point.		●
Other functions	 Auto-restart	The unit restarts automatically at the original settings after power failure.		●
	 Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.		●
	 Guaranteed operation down to -25°C	Daikin heat pumps are suitable for all climates, even withstanding severe winter conditions with an operation range down to -25°C.		●

Wall mounted		<i>Siesta</i>			Floor standing	
FTXLS-K	FTXL-JV	ATXL-JV	FVXG-K	FVXS-F		
						
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## Wall mounted




			Nominal capacity (kW)		Energy label		Pdesign (kW)	
			Cooling	Heating	Cooling	Heating	Cooling	Heating
 <p><b>Daikin Emura</b> Design at its best, delivering superior efficiency and comfort</p> 	FTXG25LW/S + RXLG25M	1.3/2.5/4.0	1.0/4.4/6.1 / 3.6 (3)	A++		2.50		
	FTXG35LW/S + RXLG35M	1.4/3.5/4.6	1.0/5.1/6.7 / 4.2 (3)			3.50	3.00	
 <p><b>Wall mounted unit</b> Discreet modern design for optimal efficiency and comfort thanks to 2 area intelligent eye</p>	FTXLS25K + RXLS25M	1.6/2.5/4.4	1.0/4.7/6.6 / 3.98 (3)	A++		2.50	3.20	
	FTXLS35K + RXLS35M	1.7/3.5/5.0	1.0/5.4/7.2 / 4.51 (3)			3.50	3.80	
 <p><b>Wall mounted unit</b> Providing high efficiency and comfort</p>	FTXL25JV + RXL25M3	1.2/2.5/3.4	1.1/3.2/5.5 / 3.24 (3)	A+		2.50		
	FTXL25JV + RXL25M3	1.3/3.5/3.8	1.2/3.8/6.0 / 3.62 (3)			3.50	3.00	
 <p><b>Siesta wall mounted unit</b> Providing high efficiency and comfort</p>	ATXL25JV + ARXL25M	1.2/2.5/3.4	1.1/3.2/5.5 / 3.14 (3)	A+		2.50		
	ATXL35JV + ARXL35M	1.3/3.5/3.8	1.2/3.8/6.0 / 3.54 (3)			3.50	3.00	

(1) Contains fluorinated greenhouse gases

(2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(3) Maximum heating capacity at -15°C outdoor temperature

## Floor standing

			Nominal capacity (kW)		Energy label		Pdesign (kW)	
			Cooling	Heating	Cooling	Heating	Cooling	Heating
 <p>Stylish floor standing unit with radiant heat panel for comfortable heat and very low noise</p> 	FVXG25K + RXLG25M	1.2/2.5/5.1	1.0/4.5/6.5 / 3.53 (3)	A++	A+	2.50	3.00	
	FVXG35K + RXLG35M	1.4/3.5/5.6	1.1/5.6/7.0 / 4.04 (3)			3.50	3.40	
 <p>Floor standing unit for optimal heating comfort thanks to dual airflow</p>	FVXS25F + RXL25M3	1.2/2.5/5.1	1.0/4.50/6.5 / 3.44 (3)	A	A+	2.50	3.20	
	FVXS35F + RXL35M3	1.4/3.5/5.6	1.1/5.6/7.0 / 3.81 (3)			3.50	3.60	

Note: blue cells contain preliminary data

(1) Contains fluorinated greenhouse gases

(2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load

(3) Maximum average heating capacity at -15°C

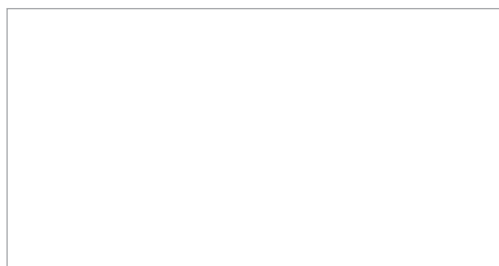
SEER	SCOP	SCOP cold climate	Annual energy consumption (kWh)		Indoor unit dimensions H x W x D (mm)	Sound power level indoor (dBA)	Sound power level outdoor (dBA)	Sound pressure level indoor (High/Nom/Low/Silent) dBA		Refrigerant (R-410A)	
			Cooling	Heating				Cooling	Heating	GWP	Charge (kg/TCO <sub>2</sub> Eq)
7.04	4.64	4.02	124	755	303x998x212	54	61	38/32/25/19	41/34/28/19	2,087.5	1/2.1
6.67	4.60	3.80	184	913		59		45/34/26/20	45/37/29/20		
6.62	4.62	3.76	132	947	298x900x215	59	61	45/39/33/21	47/39/33/19	2,087.5	1.3/2.7
6.91	4.60	3.65	177	1,147							
6.01	4.37	3.60	146	793	283x770x198	57	61	41/34/27/23	41/35/29/26	2,087.5	1/2.1
5.87	4.21	3.43	209	998							
6.01	4.37	3.60	146	793	283x770x198	57	61	41/34/27/23	41/35/29/26	2,087.5	1/2.1
5.87	4.21	3.43	209	998							

SEER	SCOP	SCOP cold climate	Annual energy consumption (kWh)		Indoor unit dimensions H x W x D (mm)	Sound power level indoor (dBA)	Sound power level outdoor (dBA)	Sound pressure level indoor (High/Nom/Low/Silent) dBA		Refrigerant (R-410A)	
			Cooling	Heating				Cooling	Heating	GWP	Charge (kg/TCO <sub>2</sub> Eq)
6.99	4.25	3.43	131	989	600x950x215	52	61	38/32/26/23	39/32/26/22/19*	2,087.5	1/2.1
6.59	4.01	3.24	186	1,187				39/33/27/24	40/33/27/23/19*		
5.10	4.04	3.41	173	1,109	600x700x210	52	61	38/32/26/23	38/32/26/23*	2,087.5	1/2.1
5.21	3.80	3.10	235	1,326				39/33/27/24	39/33/27/24*		

\* in radiant heat mode



**Daikin Europe N.V.** Naamloze Vennoetschap Zandvoordestraat 300 · 8400 Oostende · Belgium · [www.daikin.eu](http://www.daikin.eu) · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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