DAIKIN

perfera

Go with

the heating flow

Perfera
floor standing unit

Find out more at www.daikin.eu

Perfera

makes your world a comfortable one

Perfera floor standing unit

Designed for comfort

Perfera makes your world a comfortable one.

Whatever you're planning to do with your day, you want to be comfortable while you're doing it. Whether it's the coolness of a summer breeze or the cosiness during winter, your living space needs that delicious feeling of wellbeing all year round. Perfera is unobtrusive and features a stylishly designed front panel, whisper-quiet operation and reduced airflow, turning each room into a true haven of conspicuous comfort.

Heating & cooling in one

Quiet and understated, Perfera offers you the best in heating and cooling options, as well as in comfort and design. And the new Perfera now has 3 extra features in heating designed to make your life a breeze: heat boost, floor warming & heat plus.

Features of the new Perfera

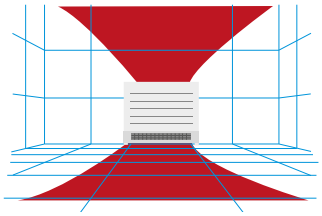
- Eye-catching contemporary design
- Up to A++ in heating and A+++ in cooling
- 3 unique heating functions: heat boost, floor warming and heat plus
- Dual air discharge flow for better air distribution
- Indoor air quality guaranteed with Flash streamer
- Built-in Onecta app connectable to voice control
- So quiet: as little as 19 dBA when operating in silent mode
- Can be combined with pair, 2-port and 3-port* multi outdoor units

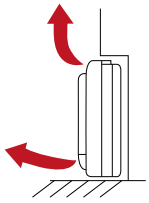
* In case of 3MXM40N8 and 3MXM52N8 combination, maximum piping length of the installation must be limited to 30m

Intelligent
Powerful - Quiet

Comfortable: Dual airflow
(easier individual control of airflow)

The dual airflow of the Perfera floor-standing unit is perfect for creating the ideal level of heating. Air is directed both upwards and downwards to deliver even warm air distribution. And when the Perfera is in heat mode, your feet stay warm and the temperature throughout the room is evenly distributed, guaranteeing maximum comfort. Sheer bliss!

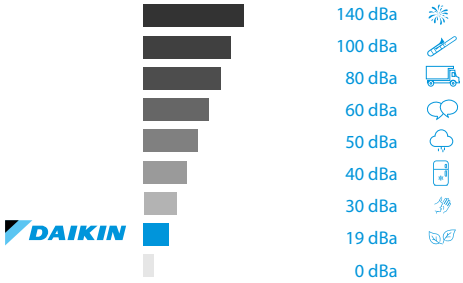




Silent operation

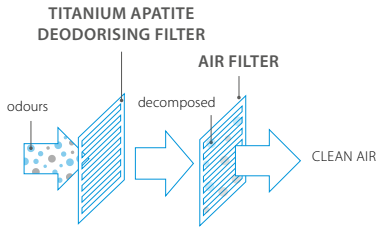
Perfera uses a specially designed fan that optimises airflow and creates high energy efficiency at low sound levels. For even higher energy efficiency, Daikin has also designed a new fan that fits snugly into Perfera's compact dimensions.

Together, the fan and heat exchanger produce top energy performance, yet operate at a sound level that is practically inaudible. Shhh!



Air quality
Flash streamer/ titanium apatite deodorising filter

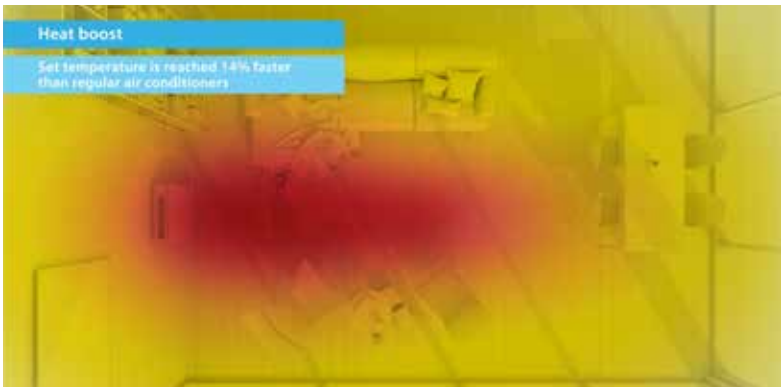
Flash streamer: using electrons to trigger chemical reactions with airborne particles, the Flash Streamer removes allergens such as pollen and fungal allergens, eliminating unpleasant odours and providing better, cleaner air. And the titanium apatite deodorising filter works hard to combat smells such as tobacco smoke and pets.



3 Unique heating features

Heat boost

Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster* than a regular air conditioner (pair only)



*Heat Plus test condition: 50 class, outdoor temperature 2°C - Indoor temperature 10°C, R/C setting:23°C

Floor warming

The floor warming function optimises convection by distributing hot air from the bottom of the unit

Heat plus

The heat plus function provides cosy heating by simulating radiant heat for 30 minutes. Afterwards, the previous settings are again activated.

Technology meets design for the ideal climate solution

The look of the Perfera floor-standing unit is functional, yet stylish. Its sleek design and flowing lines fit in easily with most contemporary interiors. And the powerful, yet whisper-quiet operation reaches the temperature that is right for you in no time. In fact, the cosy feeling created by the Perfera and its unique heating features almost makes you wish that winter would last forever ...

Perfera design benefits

› The compact design of the new Perfera means it will fit just about anywhere – even below a window

Intelligent and efficient design

› The dual airflow and wide air intake enable the Perfera to achieve high efficiency

Let's talk about

Energy efficiency

Energy label

The enhanced design of the Perfera boosts energy efficiency even further compared with previous models. It boasts a seasonal energy efficiency ratio (SEER) of up to 8.55 and a seasonal coefficient of performance (SCOP) of up to 4.70. This gives the Perfera best-in-class performance, with seasonal efficiency values up to A++ in heating resulting in low running costs.
The Perfera is an energy-saving winner from every angle.

up to **A++** in heating

up to **A+++** in cooling

Wide upper flap

› Enables you to direct hot or cool air in the exact direction you want

Sleep comfortable
with the new Perfera

Night set mode

To help you sleep more comfortably, Daikin night set mode prevents overheating or overcooling during the night. If the timer is switched on, the unit will automatically set the temperature 2°C cooler when heating and 0.5°C warmer when cooling. This keeps the ambient temperature nice and even – and prevents rapid changes that could disturb your sleep.

Econo mode

The Econo mode reduces power consumption and prevents overloading your electrical circuits when other household appliances are also in use. By activating the Econo mode, maximum operating power and energy consumption are reduced by around 30% during start-up.

Daikin Eye

Daikin eye is not only an identification of Daikin design but also the operation is indicated with different colours. Moreover, to sleep comfortably, the Daikin eye light can be dimmed of shut off by the remote controller

Application

Optimised for perfect heating even when the temperature outside is as low as -25°C

To guarantee the seamless operation of your heating system, even with outside temperatures as low as minus 25°C, the Daikin Optimised Heating 4 range offers enhanced features that make heating your space comfortably a breeze.

Pair or Multi connection

The Perfera can be used in a single room set-up, with one indoor unit connected to one outdoor unit, or in a multiple room application with a maximum of three indoor units connected to one outdoor unit. The outdoor unit can be installed on the roof, terrace or against an outside wall.

Wide product range

› The new Perfera capacity has an extended range, including a 20 class for multi applications
› It offers 4 capacities: 20, 25, 35 and 50 class

Heating and cooling in one

easy to install and easy to control

Installation

Whether **built-in or wall-mounted,** the Perfera blends into the background and fits into your interior without any problem.

Flexible control

The indoor unit is easy to control with the infrared remote control supplied as standard. It also comes equipped with a weekly timer, enabling you to programme a seven-day schedule with four different operations per day.

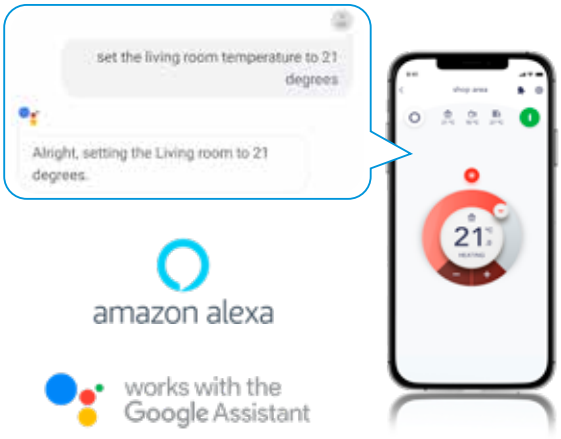
You can also manage Perfera, using your smartphone. Simply connect to Wi-Fi and download the **Onecta app** to begin creating the perfectly comfortable climate for your home.

NEW Control your system and enjoy maximum comfort, just by using your voice. Via Amazon Alexa or Google Assistant you can control main functions such as temperature set point, operation mode, fan speed, and much more!

Your benefits

- Access to various features for controlling your internal climate
- Manage the temperature, operating mode, air purification and fans with the interactive thermostat
- Create different operating schedules and modes
- Monitor energy consumption

Intuitive app and voice control



Perfera for optimal heating comfort thanks to high energy efficiencies

					STANDARD			OPTIMISED FOR HEATING	
Efficiency data					**CVXM20A + Multi**	**FVXM25A + RXM25R9**	**FVXM35A + RXM35R9**	**FVXM50A + RXM50R**	**FVXM25A + RXTP25R**	**FVXM35A + RXTP35R**
Cooling capacity	Min./Nom./Max.			kW	Multi connection only	1.30/2.40/3.50	1.40/3.40/4.00	1.40/5.00/5.80	1.40/2.50/4.20	1.40/.50/4.30
Heating capacity	Min./Nom./Max.			kW		1.30/3.40/4.70	1.40/4.50/5.80	1.40/5.80/8.10	1.20/3.20/5.70	1.20/4.00/6.20
Power input	Cooling		Nom.	kW		0.54	0.85	1.31	0.66	1.02
	Heating		Nom.	kW		0.75	1.15	1.52	0.83	1.13
Space cooling	Energy efficiency class					A+++	A++		A++	
	Capacity		Pdesign	kW		2.40	3.40	5.00	2.50	3.50
	SEER					8.55	8.11	7.30	6.50	6.10
	Annual energy consumption			kWh/a		98	147	240	135	201
Space heating (Average climate)	Energy efficiency class					A++		A+	A++	
	Capacity		Pdesign	kW		2.30	2.80	4.10	2.50	3.00
	SCOP/A					4.65	4.63	4.31	4.70	4.60
	Annual energy consumption			kWh/a		693	847	1,330	744	913
Space heating (Cold climate)	Energy efficiency class					-			A	
	Capacity		Pdesignh	kW		-			3.65	4.38
	Annual energy consumption			kWh/a		-			2,032	2,573
	SCOP/C					-			3.77	3.58
Nominal efficiency	EER					4.47	4.01	3.81	3.81	3.43
	COP					4.55	3.90	3.81	3.86	3.54
	Annual energy consumption			kWh		268	424	656	328	510
	Energy labeling Directive			Cooling/Heating		A/A			A/A	A/B

Indoor unit				**FVXM**	**CVXM20A**	**25A**	**35A**	**50A**	**25A**	**35A**
Dimensions	Unit	HeightxWidthxDepth		mm	600x750x238				600x750x238	
Weight	Unit			kg	17				17	
Air filter	Type				Removable / washable				Removable/washable	
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.1/4.9/7/8.7		4.1/4.9/7/9.2	5.4/6.6/9/11.6	4.1/4.9/7/8.7	4.1/4.9/7/9.2
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.1/5.6/7.2/9.2		4.1/5.6/7.2/9.8	5.9/8.4/10.0/12.8	4.1/5.6/7.2/9.2	4.1/5.6/7.2/9.8
Sound power level	Cooling			dBA	52.0		53.0	61.0	52.0	53.0
	Heating			dBA	52.0		53.0	62.0	52.0	53.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	22.0/25.0/38.0	20.0/25.0/38.0	20.0/25.0/39.0	27.0/31.0/44.0	20.0/25.0/38.0	20.0/25.0/39.0
	Heating	Silent operation/Low/High		dBA	21.0/25.0/38.0	19.0/25.0/38.0	19.0/25.0/39.0	29.0/35.0/46.0	19.0/25.0/38.0	19.0/25.0/39.0
Control systems	Infrared remote control				ARC466A66				ARC466A66	

Outdoor unit					**CVXM20A**	**RXM25R9**	**RXM35R9**	**RXM50R**	**RXTP25R**	**RXTP35R**
Dimensions	Unit	HeightxWidthxDepth		mm	Multi connection only	552x840x350		734x954x401	551x763x312	
Weight	Unit			kg		32		49.0	38	
Sound power level	Cooling	Nom.		dBA		58.0	61.0	62.0	61.0	
	Heating	Nom.		dBA		59.0	61.0	62.0	61.0	
Sound pressure level	Cooling	Nom.		dBA		46.0	49.0	48.0	48	
	Heating	Nom.		dBA		47.0	49.0		49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46			-10~46	
	Heating	Ambient	Min. - Max.	°CDB		-15~24			-25~18	
Refrigerant	Type/GWP					R-32/675.0			R-32/675	
	Charge			kg/TCO2Eq		0.76/0.52		1.15/0.780	1.1/0.75	
Piping connections	Liquid/Gas	OD		mm		6.35/9.50		6/12.7	6.35/9.50	
	Piping length	OU - IU	Max.	m		20		30	20	
		System	Chargeless	m		10			10	
	Additional refrigerant charge			kg/m		0.02 (for piping length exceeding 10m)			0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m		15		20.0	15	
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50 /220-240			1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A		13		16	16	

** +2dBA in SL-tap for Multi combination

* + 1dBA in SL-tap for RXTP combination

See separate drawing for electrical data | See separate drawing for operation range | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m | Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m | Contains fluorinated greenhouse gases | See separate drawings for electrical data

Multi Model Application	CVXM20A	FVXM25A	FVXM35A	FVXM50A
2MXM40A	✔	✔	✔	-
2MXM50A	✔	✔	✔	✔
3MXM40A*	✔	✔	✔	-
3MXM52A*	✔	✔	✔	✔

* In case of 3MXM40A, 3MXM52A combination, maximum piping length of the installation must be limited to 30m

An innovation for your benefit

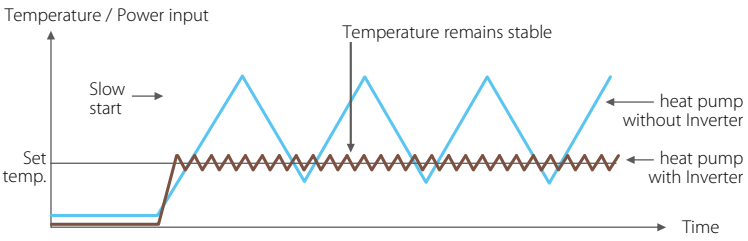
Inverter Technology

The inverter technology developed by Daikin is a true innovation in climate control. The principle is simple: inverters adjust the power used to suit actual requirements. No more, no less.
This clever technology provides you with two tangible benefits:

Comfort

The inverter repays your investment many times over by improving overall comfort. A heat pump system with an inverter continuously adjusts its heating and cooling output to suit the temperature in the room. The inverter shortens the system start-up time, enabling the required room temperature to be reached more quickly. As soon as the target temperature is reached, the inverter ensures it is maintained

Heating operation:



Energy efficient

Because an inverter monitors and adjusts the ambient temperature whenever needed, energy consumption drops by 30% compared with a traditional on/off system.

30%
LESS ENERGY CONSUMED

100% Bluevolution range

Thinking beyond today

From 2025, the European F-gas regulation will require the use of refrigerants with a GWP of below 750 for all pair split air conditioner installations with a refrigerant charge below 3 kg. With R-32, Daikin is already compliant with this regulation for years.`

www.daikin.eu

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