

DAIKIN

perfera



AI Rosense

The perfect solution
for a comfortable home



NEW Perfera
wall mounted unit



Find out more at www.daikin.eu



Perfera

Great looks that deliver
even smoother air flow

Perfera wall mounted unit

Designed for comfort

Perfera makes cool living and working a breeze

Whatever the weather's doing outside, inside you want optimum comfort throughout the day. Like a cool summer breeze, Perfera instinctively knows how to keep the room temperature in your living or working space at the ideal level, so that you and those around you can get on with relaxing, enjoying yourselves – and being productive. The stylishly designed front panel, whisper-quiet operation and the perfect circulation of cooled or heated air help make each room the place you – and everyone – always want to be.

Perfera: a stylish combination of heating and cooling

Perfera's climate control pedigree offers you the very best in heating and cooling options. Designed to blend effortlessly into any decor, the new Perfera now has 'heat boost': an ingenious feature that takes the chill off the air in an instant.

Features of the new Perfera

- › Seasonal efficiency values up to A+++ in cooling and heating.
- › 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).
- › Using electrons to trigger chemical reactions with air borne particles, the Flash Streamer breaks down allergens such as pollen and fungal allergens and removes bothersome odours providing a better, cleaner air.
- › Silver allergen removal and air purifying filter captures allergens such as pollen to ensure a steady supply of clean air.
- › Titanium apatite deodorising filter decomposes bothersome odours of for example tobacco and pets
- › Voice command via Amazon Alexa or Google Assistant to control main functions such as set point, operation mode, fan speed, etc.
- › Quiet operation: down to 19dBA sound pressure level.
- › 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces.
- › 2-area motion detection sensor: 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.



Intelligent

Powerful - Quiet

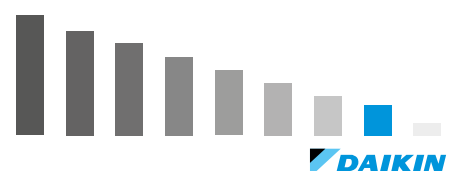
3-D Air flow

By pressing the buttons on the remote control, this function combines vertical and horizontal auto-swing to circulate a stream of cool/warm air right to the corners of even large spaces.

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!



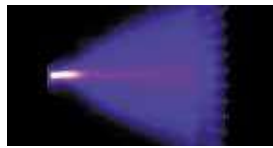


Air quality

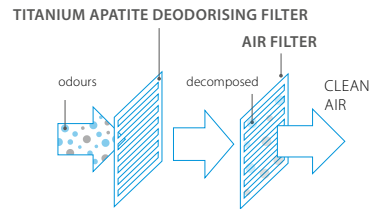
Flash streamer/ titanium apatite deodorising filter

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.



FLASH STREAMER



Silver allergen removal filter

The Silver allergen removal and air purifying filter is your solution, because it captures allergens such as pollen to ensure a steady supply of clean air.

Unique heating feature



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

Technology meets design for the ideal climate solution

Sheer bliss

While the outside of the new Perfera is all about eye-catching design and style, it's the inside that creates the perfect indoor climate. And once Perfera has generated the exact air temperature you set, the wider flap ensures a stronger, more consistent flow of air that is distributed evenly thanks to the clever 3D airflow. The Perfera has been redesigned with more compact dimensions to reduce the width of the unit by more than 30 mm. The result is a wall mounted unit that is so discreet it is almost like a piece of art – a masterpiece, you might say!

Wide flap

Reduced dimensions

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



The side of the panel emphasises the strong airflow of the unit





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 8.65 and a seasonal coefficient of performance (SCOP) of up to 5.10. This gives the Perfera **best-in-class performance**, with seasonal efficiency values up to A+++ in cooling and heating resulting in low running costs.

The Perfera is an energy-saving winner from every angle.

up to
A+++
in cooling

up to
A+++
in heating

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.



Outdoor silent operation

To ensure a quiet environment for the neighbourhood the user can lower the operation sound of the outdoor unit by 3 dB(A) via remote control.



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.



2 area motion detection sensor

Air flow is sent to a zone other than where the person is located at that moment. Detection is done in 2 directions: left and right. If no people are detected, the unit will automatically switch over to the energy-efficient setting.



Application



Extended operation range

The new Perfera is suitable for all climates, even withstanding severe weather conditions with an operation range down to -20°C and up to 50°C.



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 **five 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 a wide product range, including a 15 class for multi applications
- › It offers 8 capacities: 15, 20, 25, 35, 42, 50, 60 and 71 class



Control your climate from anywhere

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.

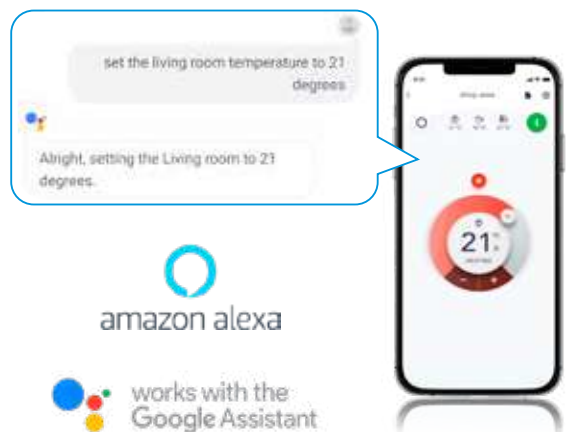
You can also manage Perfera, using your smartphone. Simply connect to Wi-Fi and download the [Daikin Residential Controller app](#) to begin creating the perfectly comfortable climate for your home.

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 online and voice control



Perfera for optimal comfort thanks to high energy efficiencies

Efficiency data		C/FTXM + RXM	CTXM15R	20R + 20R	25R + 25R	35R + 35R	42R + 42R	50R + 50R	60R + 60R	71R + 71R	
Cooling capacity	Min./Nom./Max.			1.30/2.00/2.60	1.30/2.50/3.20	1.40/3.40/4.00	1.70/4.20/5.00	1.70/5.00/6.00	1.70/6.00/7.00	2.30/7.10/8.50	
Heating capacity	Min./Nom./Max.			1.30/2.50/3.50	1.30/2.80/4.70	1.40/4.00/5.20	1.70/5.40/6.00	1.70/5.80/7.70	1.70/7.00/8.00	2.30/8.20/10.20	
Power input	Cooling	Nom.	Multi combination only	0.44	0.56	0.80	0.97	1.36	1.77	2.34	
	Heating	Nom.		0.50	0.56	0.99	1.31	1.45	1.94	2.57	
Space cooling	Energy efficiency class			A+++			A++				
	Capacity	Pdesign		kW	2.00	2.50	3.40	4.20	5.00	6.00	7.10
	SEER				8.65			7.85	7.41	6.90	6.20
	Annual energy consumption			kWh/a	81	101	137	187	236	304	401
Space heating (Average climate)	Energy efficiency class			A+++			A++		A+		
	Capacity	Pdesign		kW	2.30	2.40	2.50	4.00	4.60	4.80	6.20
	SCOP/A				5.10		4.71	4.71	4.30	4.10	
Nominal efficiency	Annual energy consumption			kWh/a	631	659	686	1,189	1,368	1,562	2,117
	EER			4.57	4.50	4.23	4.33	3.68	3.39	3.03	
	COP			5.00		4.04	4.12	4.00	3.61	3.19	
	Annual energy consumption		kWh	219	278	402	485	679	885	1,172	
Energy labeling Directive Cooling/Heating				A/A		-/A	A/A		B/D		

Indoor unit		C/FTXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R	
Dimensions	Unit	HeightxWidthxDepth	mm	295x778x272				299x998x292			
Weight	Unit		kg	10.0				14.5			
Air filter	Type			Removable / washable							
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m ³ /min	4.3/5.7/7.5/10.5	4.1/5.7/7.6/10.5	4.2/6.0/7.8/11.3	4.3/6.5/9.0/11.9	8.3/11.4/14/15.8	9.1/11.8/14/16.7	10.0/12.2/15/16.9
		Heating	Silent operation/ Low/Medium/High	m ³ /min	5.1/6.2/8.2/9.3	4.9/6.3/8.0/9.8	4.9/6.5/8.5/9.8	4.9/6.5/9.7/12.4	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5	11.6/12.7/15.8/17.7
Sound power level	Cooling		dBa	57		58	60	58.0	60.0		
	Heating		dBa	54		60	60	58.0	59.0	61.0	
Sound pressure level	Cooling	Silent operation/Low/High	dBa	19/25/41		19/29/45	21/30/45	27.0/36.0/44.0	30.0/37.0/46.0	32.0/38.0/47.0	
	Heating	Silent operation/Low/High	dBa	20/26/39	20/27/39	20/28/39	21/29/45	31.0/34.0/43.0	33.0/36.0/45.0	34.0/37.0/46.0	
Control systems	Infrared remote control			ARC466A67							
	Wired remote control			BRC073A1							

Outdoor unit		RXM	CTXM15R	20R	25R	35R	42R	50R	60R	71R
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285			734x870x373			734x954x401
Weight	Unit		kg	32			49.0			55
Sound power level	Cooling		dBa	59	58	61	62.0		63.0	66.0
	Heating		dBa	59		61	62.0		63.0	67.0
Sound pressure level	Cooling	Nom.	dBa	46		49	48.0			47.0
	Heating	Nom.	dBa	47		49	48.0	49.0	48.0	
Operation range	Cooling	Ambient	Min.~Max.	-10~-50°C						
	Heating	Ambient	Min.~Max.	-20~-25°C						
Refrigerant	Type			R-32						
	GWP			675						
Piping connections	Charge		kg/TCO ₂ Eq	0.76/0.52		1.10/0.750		1.15/0.780		
	Liquid	OD	mm	9.50			6.35		12.7	15.9
	Gas	OD	mm	20			30			
	Piping length	OU - IU	Max.	10			-			
	Additional refrigerant charge	System	Chargeless	0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU	Max.	15			20.0			
	Power supply	Phase/Frequency/Voltage			1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)			-						

See separate drawing for operation range | See separate drawing for electrical data | Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | Cooling: indoor temp. 27°CDB, 19.0°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

Multi split Less is more!

A Daikin multi split system offers you unexpected possibilities in creating a comfortable and cosy home. This is your solution to reduce limitations like environmental impact and financial aspects.

Less mounting space, less visibility, less sound

- › **Save space:** drastically reduce the space required for placing a number of units on your facade
- › **Less visibility:** enjoy your nice ambience. Finding just one hiding place is much easier
- › **Less noise:** only one unit in operation is much quieter than two or more units

Easier installation, wiring, piping and maintenance

- › **Save mounting equipment:** Wherever you want to place an outdoor unit, for every unit you will need a mounting for a secure fixing and problem-free operation
- › **Save time:** the physical installation, wiring, drain piping as well as the initial setup of only one system is much easier and faster
- › When using only one outdoor unit instead of two or more, the statistical probability of a **possible technical defect is reduced** with every unit that you do not need

Lower power consumption, high efficiency

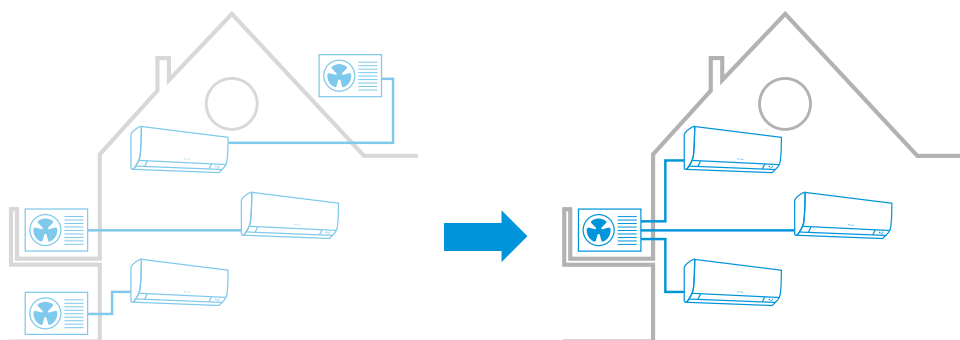
- › **Less power consumption:** our big compressors can work more efficiently than various smaller ones with the same capacity in sum. Also save a significant proportion of energy thanks to standby mode

More flexibility: connect up to 5 indoor units of any style

There are many possibilities in comfort you can profit from a multi split solution:

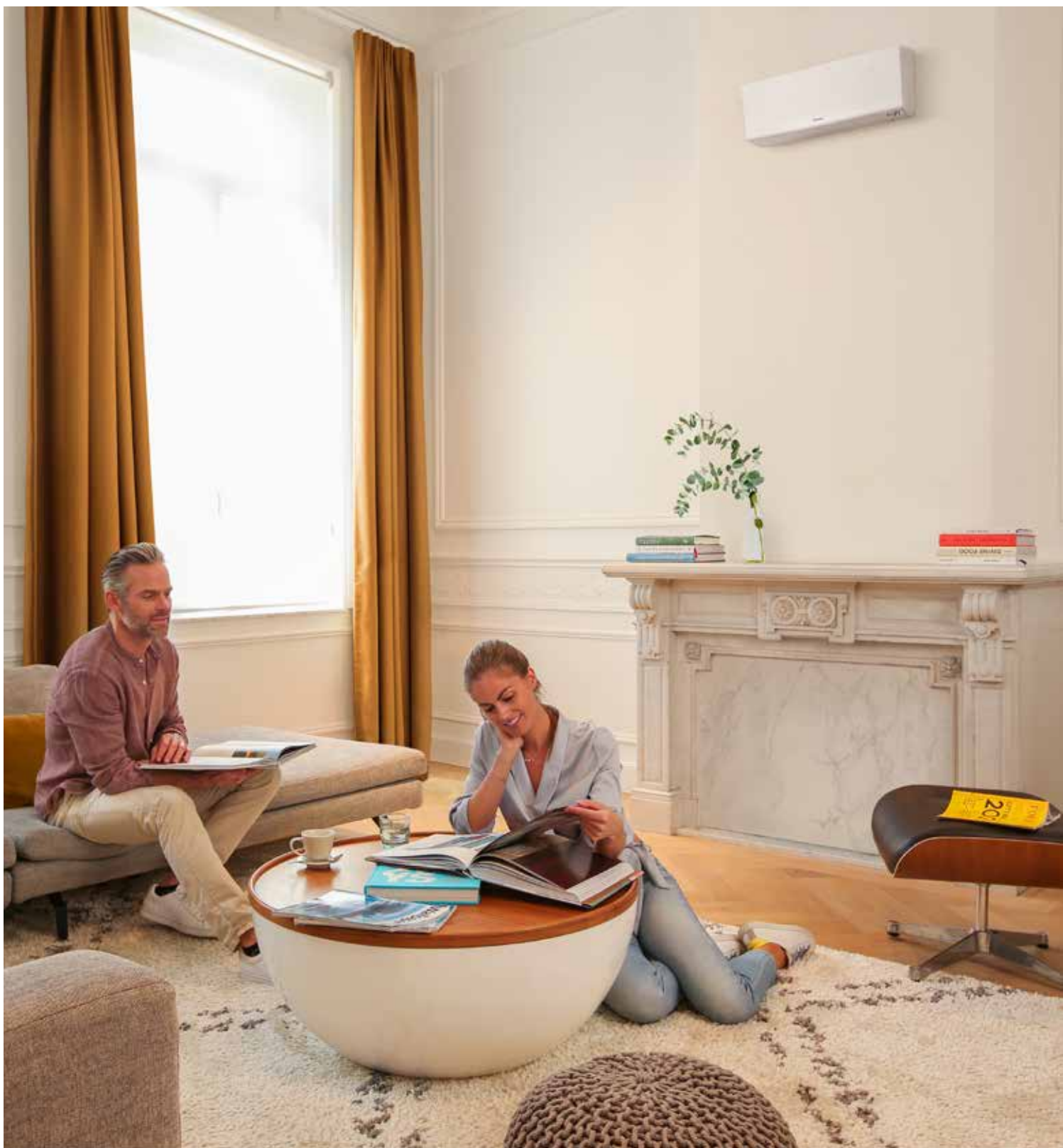
- › **Up to 5 indoor units** connectable to only one outdoor unit
- › Every single indoor unit can be **regulated separately**
- › Choose from **a greater variety** of connectable indoor unit types out of our split and Sky Air series
- › Use low capacity indoor units specially **designed for small rooms** which can only be connected to a multi split system
- › Are you planning an **additional indoor unit later on?** Just decide now for an outdoor unit with higher capacity and simply connect it later

Pair split or multi split combination – the direct system comparison



Conventional pair split installation for air-conditioning three rooms

Solution for the same situation with only one multi split outdoor unit



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