



Multi+

A single system for
hot water, heating
and cooling

Up to 4 indoor units + 1 hot water tank





One reliable partner for hot water, heating and cooling

Daikin is the worldwide market leader for air-to-air heat pumps. The reasons for that are easy to understand:

- More than 100 years of experience
- A strong ambition to offer best quality and comfort
- An unrivalled variety of models
- A leading role in developing state-of-the-art technologies
- A constant flow of award-winning new designs
- A decarbonisation strategy with super-efficient systems using low-impact refrigerants



Heating ideas for the future

Why use an advanced, **energy-efficient system** for cooling only? Using a heat pump not only saves energy and money – it also **shows the way out of the global CO₂ dilemma**. An ingenious idea: Simply shift the needed energy from the ambient air into your home.

Daikin offers a variety of heating systems based on different heat pump concepts – each adapted to specific needs and conditions. For practically every situation, Daikin gives you a perfect heating or cooling solution.



Multi+

Hot water + heating + cooling
supplied with one single system

Is it the right solution for you?

Your current situation

- You are using an electric heater for hot water
- Your heating system causes high operating costs
- You want cooling for up to four rooms
- Your household comprises up to five people
- You want to optimise the use of your photovoltaic solar panels ***COMING SOON***

If this applies to you, then the Multi+ system is the perfect solution. **Replacing ineffective or outdated heating systems** in small or mid-size households with a modern heat pump solution saves energy and offers a high level of comfort. Domestic hot water, cooling and heating is the main benefits of this affordable all-in-one system.

What are the key benefits?

The main goal

- Save energy starting from the first day of use
- Future-proof and eco-friendly technology

All-in-one system

- Affordable investment
- Space-saving solution
- Fast installation

The Daikin bonus

- No limitations in comfort
- Reliable Daikin quality
- Wide range of indoor units to choose from
- App control from anywhere
- Remote monitoring available for peace of mind at all times ***COMING SOON***



More comfort with less energy consumption

The reliable system with a future

A modern heat pump is a clever idea for temperature regulation if you want to conserve resources and save energy costs. It is good for your home and good for the environment.

A smarter idea is to combine all tasks in one system: domestic hot water + cooling + heating. This gives you all the advantages of a single energy-saving system with minimal space requirements.

Benefit from high comfort and low expenses

Enjoy your preferred room temperature in up to four rooms at any time all year round. Daikin offers a variety of indoor units with industry-leading comfort and air quality features.

The domestic hot water tank is available in two sizes and perfectly matches the Multi+ outdoor unit. Two different operating modes adapt precisely to your comfort needs.

A user-friendly control lets you configure the entire system exactly the way you want it.



Daily water heating

The domestic hot water tank heats up automatically – at a time of day when you are not using hot water or cooling.

The scheduling function is worry-free. It can be programmed, for instance, to start in the early morning or when you are normally at work.

Did you know that you can connect your domestic hot water tank directly with photovoltaic solar panels thanks to the HomeHub? ***COMING SOON***



The cooling plus for air conditioning

As domestic hot water is prepared according to the schedule, for example during nighttime, the outdoor unit can switch to cooling mode as soon as you activate an indoor unit.



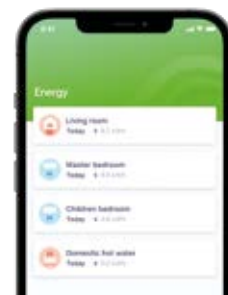
Full control made easy

Use the intuitive full-text display on the domestic hot water tank for monitoring and simple adjustment of all settings, like scheduling or water temperature.



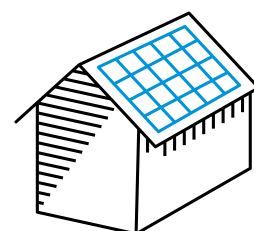
App control wherever you are

The Daikin Onecta app enables scheduling, controlling and monitoring of each indoor unit along with controlling and monitoring of the domestic hot water tank – also via voice control. Onecta is compatible with Amazon Alexa and Google Assistant.



Tank optimisation for PV **COMING SOON**

Tank optimisation is possible between the tank and photovoltaic solar panels. For example, thanks to the HomeHub accessory, the electric heater of the tank will be switched on if injection is higher than 1.2 kW. Therefore, during sunny days, hot water will always be available, while the house will be cooled.



Comfort plus for more hot water

On days when you require more hot water than usual, the system can easily accommodate your needs. Simply activate the POWERFUL button on the domestic hot water tank. The water will be heated electrically and you can fully enjoy your space heating and cooling at the same time.



Heating plus for colder days

Reliable heating and hot water on the colder days when you need it most. Both your water and your rooms are heated in a cost-effective way with this advanced, highly-efficient heat pump system.

Two hearts beating in one system – the details:



Innovative fan design

Specially shaped fan blades significantly reduce sound emissions and lower the power consumption. The fan is concealed behind an unobtrusive and elegant front grille.

Superior engineering

Benefit from reliable in-house engineering by Daikin. The powerful, high-efficiency swing compressor continuously adjusts its cooling and heating output to suit the room's temperature.

Extend the system according to your needs

Choose from a market-leading variety of indoor units. You can connect up to four different indoor units to cool or heat your rooms.





A matching pair

The two main components, domestic hot water tank and outdoor unit, are perfectly matched. The outdoor unit provides most of the energy used to heat up the water inside the tank.

Connections for installation

Safe and inconspicuous: Power and refrigerant connections are located on the top of the domestic hot water tank.

Domestic hot water tank

You can choose between 120 litre (wall-hung) and 230 litre (floor-standing) water volume. The larger capacity is recommended for maximum convenience or when several people are using hot water. An anti-corrosion treatment guarantees maximum durability of this main component.

Control interface

All settings for configuration and daily use can be made with the user-friendly interface. A full text display and simplified pre-set modes make adjustments easy.

Water inlet and hot water outlet

For the wall-mounted 120 litre tank, the water connections are easily accessible from the tank bottom. For the 230 litre tank, all connections are accessible from the top of the unit. Perfect for a simple and fast installation or maintenance.

Technical specifications

Efficiency data				EKHWEU120BV3 + 4MWXM52A9	CKHWSU230BV3 + 5MWXM68A9	CKHWSU230BV3 + 5MWXM90A9	
COP	Average climate			2.3	3.3	3.31	
	Warm climate			2.7	4.09	4.1	
Heat-up time	Average climate		h:mm	2:15	-	-	
	Warm climate		h:mm	3:35	-	-	
Seasonal efficiency	Domestic hot water heating	General	Declared load profile		L	XL	XL
		Average climate	η _{wh} (water heating efficiency)	%	94	-	-
		Water heating energy efficiency class*				A	-
Water temperature	by heat pump		Max.	47	54	54	

*EN16147(2017)

Outdoor Unit				4MWXM52A9	5MWXM68A9	5MWXM90A9
Dimensions	Unit	HeightxWidthxDepth	mm	734 x 974 x 401	734 x 1028 x 408	734 x 1028 x 408
Weight	Unit		kg	60	64,5	69,5
Sound power level	Cooling	Nom.	dB(A)	59	61	64
	Heating	Nom.	dB(A)	60	-	-
Sound pressure level	Cooling	Nom.	dB(A)	46	48	52
	Heating	Nom.	dB(A)	47	49	53
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10 ~46	-10 ~46	-10 ~46
	Heating	Ambient Min.~Max.	°CDB	-15 ~24	-15 ~24	-15 ~24
Refrigerant	Type			R-32	R-32	R-32
	GWP			675	675	675
Piping connections	Charge		kg/ tCO ₂ Eq	2.2 /1.49	2.2 /1.49	2.2 /1.49
	Liquid	OD	mm	6.4	6.4	6.4
	Gas	OD	mm	9.5	9.5/12.7	9.5/12.7/15.9
	Piping length	OU - IU Max.	m	25 ⁽¹⁾	25 ⁽¹⁾	25 ⁽¹⁾
		System Chargeless	m	30	30	30
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 30m)	0.02 (for piping length exceeding 30m)	0.02 (for piping length exceeding 30m)
	Level difference IU - OU Max.		m	15	15/7.5 ⁽²⁾	15/7.5 ⁽²⁾
Power supply	Phase/Hz/V			1~/50 /220-240	1~/50 /220-240	1~/50 /220-240
Current - 50Hz	A			20	20	32

Domestic hot water tank					EKHWEU120BV3	CKHWSU230BV3	
Casing	Colour				White + Black	White + Black	White + Black
	Material				Sheet metal / Acrylonitrile Butadiene Styrene	-	-
Dimensions	Unit	Height	Tank	mm	1283	1855	1855
		Width		mm	510	595	595
		Depth		mm	570	634	634
Weight	Unit	Empty		kg	47	-	-
Tank	Water volume				l	118	230
	Material				Enamel coated steel acc. DIN4753TL2	Stainless steel	Stainless steel
	Maximum water temperature				°C	75.0	-
	Insulation	Heat loss		kWh/24h	1.3	1	1
	Energy efficiency class				C	-	-
	Standing S heat loss				W	54	-
	Storage volume	V		l	118	230	230
Heat exchanger	Quantity				1	-	-
	Domestic	Quantity			1	-	-
	hot water Tube material				Aluminium	-	-
	Operating pressure				bar	42	-
Booster heater	Capacity				kW	1.2	1.5

(1) for one room (2) when outdoor unit is installed lower than at least 1 indoor unit

Note: blue cells contain preliminary data

	Wall mounted units																Floor standing	Round flow	Fully flat	Concealed ceiling						Ceiling suspended	Concealed floor standing						Domestic hot water tank																
CONNECTABLE	FTXJ-AW9/S9/B9				C/FTXA-CW/S/B				C/FTXM-A				FTXP-N9				C/FVXM-A9				FCAG-B		FFA-A9		FDXM-F9				FBA-A(9)				FHA-A9			FNA-A9			EKHWEU-BV3	CKHWSU-BV3									
INDOOR UNITS	20	25	35	42	50	15	20	25	35	42	50	15	20	25	35	42	50	20	25	35	50	60	25	35	50	60	25	35	50	60	35	50	60	71	100	125	35	50	60	25	35	50	60	120	230				
4MWXM52A9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
5MWXM68A9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
5MWXM90A9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

* no combination with additional indoor units possible

Note: G3 kit required with a domestic hot water tank (EKHWEU-BV3 and CKHWSU-BV3)

G3 Kit	Compatible with
CKUHW18G3	EKHWEU120BV3
CKUHWG3D	CKHWSU230BV3

Daikin Airconditioning UK Limited The Heights, Brooklands, Weybridge, Surrey KT13 0NY 01932 879000 daikin.co.uk



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