

A woman with dark hair, wearing a light blue towel, is smiling and washing her hands in a white sink. The background shows a window with wooden blinds. A semi-transparent orange banner is overlaid on the image, containing the text "DAIKIN ALTHERMA MONOBLOC UNDERFLOOR HEATING SOLUTIONS".

DAIKIN ALTHERMA MONOBLOC UNDERFLOOR HEATING SOLUTIONS

WHAT IS DAIKIN ALTHERMA?

Daikin Altherma is a highly flexible, energy efficient home heating system that extracts heat from the outside air, raises the temperature of this heat, then distributes warmth around your home through underfloor heating. Located in your floor, the heating system ensures you'll feel the warmth under your feet as it heats your home from the floor up.

What is the Altherma Monobloc?

Daikin has introduced Altherma Monobloc in which all hydronic parts are located within one outdoor unit. In this system the water pipes, rather than refrigerant lines, run indoors from the outdoor unit. This system is available in heating only or reverse cycle (heating & cooling) options.

How does the Daikin Altherma Monobloc Work?

Daikin Altherma Monobloc extracts heat from the outside air and raises its temperature to a level high enough to supply heating. Daikin Altherma uses inverter technology which is more energy efficient in comparison to non-inverter heat pump systems. Inverter technology gently increases or decreases power to suit prevailing conditions, meaning it reaches the desired temperature quicker and maintains it without wild fluctuations. This means uninterrupted comfort and significant savings on running costs.

FEATURES AND BENEFITS OF DAIKIN ALTHERMA MONOBLOC.

FEATURES & BENEFITS

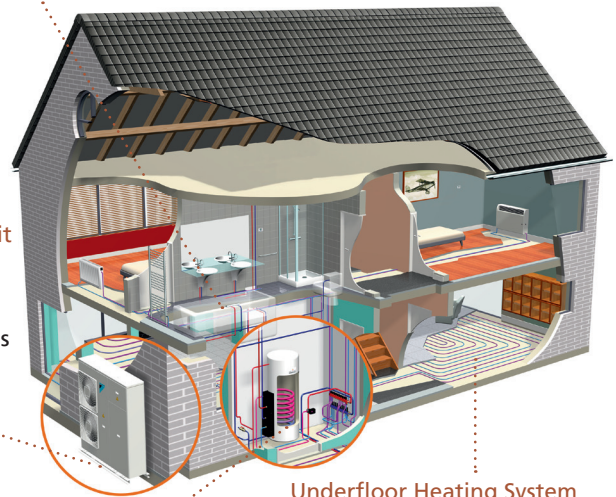
- Energy efficient and minimal running costs because it uses the heat in the outside air and Daikin's inverter technology
- Flexible, can be connected to underfloor heating, low temperature radiators or fan coils
- Suitable for both apartments & houses
- Simple installation – water connections only
- Low maintenance
- Quiet operation – unobtrusive and quiet
- No groundwork i.e. trenches
- No gas supply, flues or ventilation required
- No refrigerant handling required
- Antifreeze function eliminates need for glycol

Domestic Hot Water

The Altherma Hot Water tank provides hot water for general use within the household.

Monobloc Outdoor Unit

The outdoor unit extracts heat from the outside air and raises its temperature to a level high enough to supply heating.



Underfloor Heating System

Benefits of underfloor heating include maximum comfort due to radiated heat, unobtrusive (i.e. no wall space required) and water flow temperatures typically 35 to 40°C.

Altherma Hot Water Tank

The water inside the storage tank is primarily warmed up by the thermal energy from the outside air through a heat pump.

Outdoor Unit		Heating Only			Reverse Cycle		
		EDHQ011AA6V3	EDHQ014AA6V3	EDHQ016AA6V3	EBHQ011AA6V3	EBHQ014AA6V3	EBHQ016AA6V3
Nominal Capacity	Heating (kW)	11.20	14.00	16.00	11.20	14.00	16.00
	Cooling (kW)				12.85	15.99	16.73
Nominal Input	Heating (kW)	2.47	3.20	3.79	2.47	3.20	3.79
	Cooling (kW)				3.78	5.65	6.28
C.O.P.		4.54	4.37	4.22	4.54	4.37	4.22
E.E.R.					3.39	2.83	2.66
Operating Range	Heating (°C)	-15~35 ⁽¹⁾			-15~35 ⁽¹⁾		
	Cooling (°C)				10~46		
	Domestic Water (°C)	-15			-15		
Sound Power Level	Heating (dBA)	64	64	66	64	64	66
	Cooling (dBA)				65	66	69
Sound Pressure Level	Heating (dBA)	51	51	52	51	51	52
	Cooling (dBA)				50	52	54
Dimensions	HxWxD (mm)	1418 x 1435 x 382			1418 x 1435 x 382		
Weight	(kg)	180			180		
Refrigerant	R-410A (kg)	2.95			2.95		
Power Supply		1 phase, 230V, 50Hz			1 phase, 230V, 50Hz		
Recommended Fuses	(A)	32			32		

Measuring conditions: Heating Ta DB/WB 7°C/6°C - LWC 35°C (DT=5°C) - Cooling Ta 35°C - LWE18°C (DT=5°C)

* The specifications, designs & information in this flyer are subject to change without notice. Unit colours shown are as close as possible to actual unit colours. Colours depicted in this flyer may vary slightly.

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