your comfort. **our world.**

ERSQ 11- 16kW

Daikin Altherma HT

High Temperature AWHP

Daikin Altherma is a highly flexible, energy efficient home heating system that extracts the heat from the outside air, raises this heat to a higher temperature and then distributes warmth around the home. At the heart of the system lies an air to water heat pump.

The Daikin Altherma High Temperature (HT) air to water heat pump is able to produce a water flow temperature of 80°C for central heating without using an additional electric heater. It is an ideal heat pump solution for boiler replacement and refurbishment applications. For existing heating systems, there is no need to change the radiators as Daikin Altherma HT can connect to standard high temperature radiators. The Daikin Altherma HT ranges from nominal outputs 11kW to 16kW. This heat pump offers an ideal low-hassle solution for off-gas grid properties when replacing the old heating appliance.

Complete comfort for all the family – Daikin Altherma HT is designed to meet all the heating and domestic hot water requirements right through the year, even on the coldest days. The heat pump will operate down to temperatures as low as -25°C. With a fully integrated control system, Daikin Altherma will provide consistent comfort at optimum efficiency. The domestic hot water cylinder is designed to sit on top of the indoor unit, saving valuable space, as well as providing a stylish finish. As the heat pump can heat the domestic hot water cylinder up to 75°C, Daikin Altherma HT is suitable for those homes where high volumes of domestic hot water are required.

Installers – Daikin Altherma HT is a split refrigerant system. This allows siting flexibility as the outdoor unit can be located up to 50 metres away from the indoor unit. All key hydraulic components are built-in the indoor unit, e.g. circulation pump and expansion vessel for a quicker installation. The units offer guaranteed capacity at A-20°C W80°C.

- Ideal boiler replacement for off gas grid properties
- Reduced VAT of 5% for domestic retrofit installations
- Low running costs and low maintenance
- Up to 50% reduction in CO_2 emissions
- No groundwork i.e. trenches or boreholes
- No gas supply, flues or ventilation required
- No fuel storage tanks required
- Weather compensation built in as standard
- Daikin Inverter compressor technology

APPROVED PRODUCT

MCS HP0006

DAIKIN ALTHERMA 3 YEAR WARRANTY ON ALL PARTS AND LABOUR

DAIKIN

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BENEFITS

> Highly efficient: CoPs of over 3 when producing high temperature hot water*

> Water flow temperatures of up to 80°C can be produced without an additional electric heater

> Key hydraulic components including circulation pump and expansion vessel already included within the indoor unit

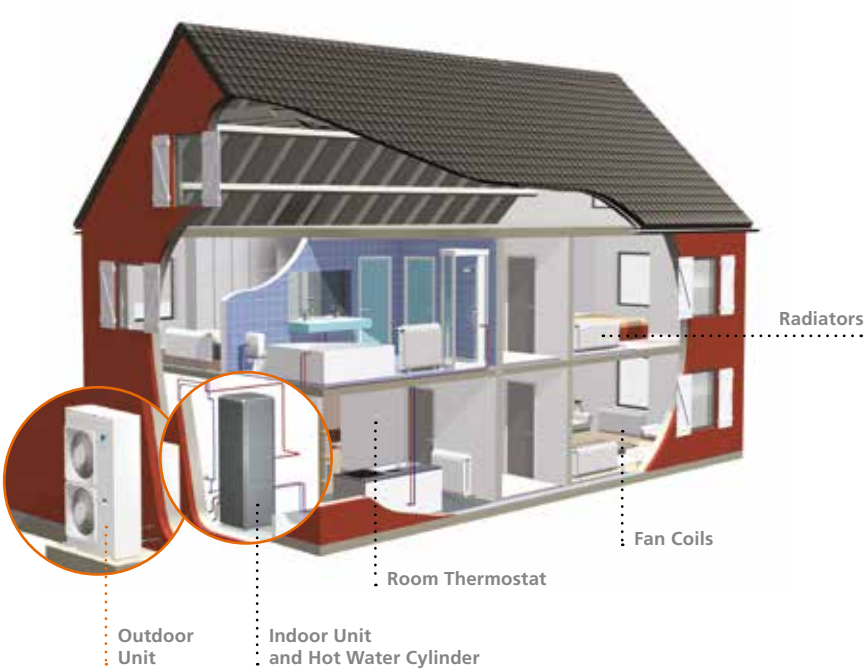
> Fast hot water cylinder recovery times

> Hot water cylinder can be stacked on top of the indoor unit, thus saving space

> MCS accredited

> Outdoor unit can be sited up to 50m away from the indoor unit

* ERSQ011AV1 has a COP of 3.08 at A7 W65 tested according to Eurovent rating standard 6/C/003-2006



COMBINATION OUTDOOR INDOOR					
Outdoor unit (230V 1ph)			**ERSQ011AV1**	**ERSQ014AV1**	**ERSQ016AV1**
Nominal Capacity	Heating	kW	11	14	16
Nominal Input a/b	Heating	kW	3.03 / 3.57	4.07 / 4.66	4.83 / 5.57
COP (Heating) a/b			3.63 / 3.08	3.44 / 3.00	3.31 / 2.88
Operation Range	Heating	°C	-20 to +20		
	Hot water	°C	-20 to +35		
Sound Power Level	Heating	dBA	68	69	71
Sound Pressure Level	Heating	dBA	52	53	55
Dimensions	H x W x D	mm	1345 x 900 x 320		
Weight		kg	120		
Refrigerant Charge	R-410A	kg	4.5		
Power Supply			1-phase / 230V / 50Hz		
Recommended Fuses		A	25		
Indoor unit			**EKHBRD011ACV1**	**EKHBRD014ACV1**	**EKHBRD016ACV1**
Dimensions	H x W x D	mm	705 x 600 x 695		
Weight		kg	144.25		
Leaving Water Temp		°C	25-80 Without Electrical Heating		
Refrigerant Charge	R-134A	kg	3.2		
Power Supply			1-phase / 230V / 50Hz		
Recommended Fuses		A	25		

Nominal capacity and nominal input tested at the following conditions:
a. A7 W45 according to EN14511
b. A7 W65 according to Eurovent rating standard 6/C/003-2006

DOMESTIC HOT WATER CYLINDER			EKHTSU200AC	EKHTSU260AC
Suitable For			Unvented Systems (EKUHWHT Kit also required)	
Water Volume		l	200	260
Max Water Temperature		°C	75	
Dimensions	H x W x D	mm	1335 x 600 x 695	1610 x 600 x 695

In all of us, a green heart

Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.

INVERTER

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Air handling units (AHU) and Fan coil units (FCU), Check ongoing validity of certificate online: www.eurovent-certification.com or using: www.certiflash.com

Daikin products are distributed by:

FSC

DAIKIN UK RECYCLING END OF LIFE AIR CON UNITS

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