



ERLQ-C 4-16kW

## NEW Daikin Altherma

### Low Temperature (LT) Split AWHP

Daikin is the number one choice for Air-Water Heat Pump (AWHP) technology, with over 50 years design and manufacturing experience of refrigeration and compressor technology.

The new and advanced Daikin Altherma Low Temperature (LT) Split offers even higher running cost savings than the original Altherma LT. The new Altherma LT offers lower energy consumption at higher efficiencies, a smaller indoor hydrobox, back-lit easy to use controls, and the latest Daikin inverter compressor for a flexible renewable heating solution at an even higher running cost savings. The Altherma LT ranges from 4kW to 16kW, the full range is designed to operate down to -25°C and designed to withstand even the toughest winter climates.

**Complete comfort for all the family** – Daikin Altherma LT Split provides heating and domestic hot water throughout the year. The new models provide comfort with even higher efficiencies and lower running costs. Designed for installation anywhere in Europe, the new range can withstand even the toughest winter climates. A new controller with default programmed timings, and energy metering provides the user with complete control. A full range of unvented stainless steel cylinders is also available.

**Installers** – Split refrigerant systems offer siting flexibility as greater distances are possible between the outdoor and indoor units. The new units offer guaranteed capacity at A-15°C W55°C and will operate down to -25°C. The new controller provides enhanced

commissioning functions, settings can be prepared beforehand and uploaded via PC to the units during commissioning and can be stored as a back-up. Also, the controller can log fault history.

**Developers** – The new 4kW model has been specially designed for today's low energy homes. The inverter compressor has a high modulation range for greater comfort in even the smallest homes. With even higher efficiencies it offers even more ways for developers to achieve Code for Sustainable Homes Level 4.

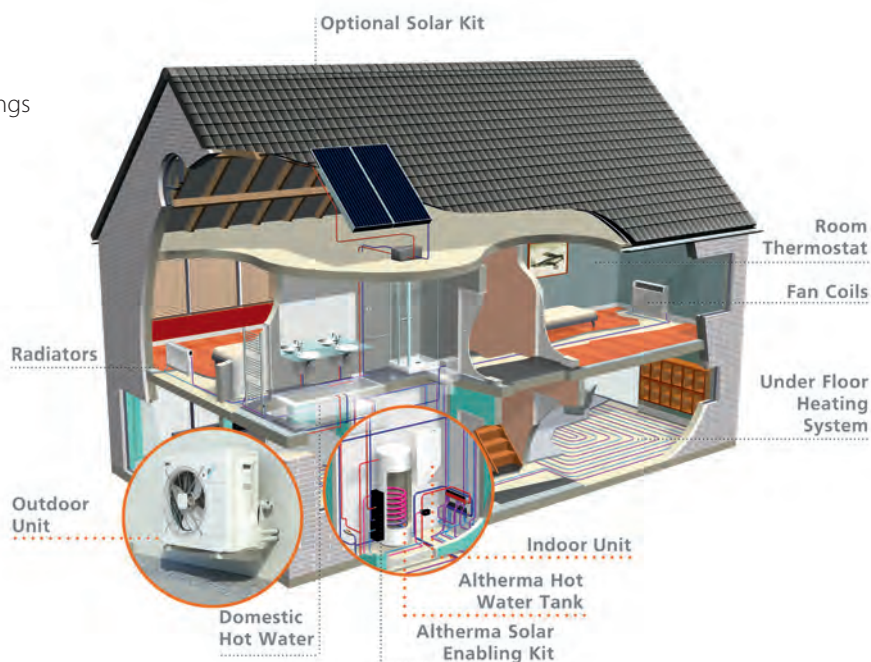
**Social housing** – Packed with energy saving features for even greater running cost savings, especially compared to expensive fuel systems such as oil and electric systems. The new easy-to-use back-lit controller can also be installed as a modulating room thermostat, and has energy metering functionality.

**Solar energy for even greater savings** – Daikin Solar Thermal panels offer even greater energy savings for hot water. Offering complete flexibility and available for indirect pressurised systems in pre-defined packs for easy selection. A-frame kits for flat roofs, ground level, on-roof and in-roof kits are available.



## The benefits of the NEW Daikin Altherma LT Split

- > Latest Daikin inverter technology
- > High seasonal efficiency and low running cost savings
- > Guaranteed operation down to -25°C
- > High efficiency 'A' label pump
- > Low power consumption, higher efficiencies
- > New indoor unit with front access for easy maintenance
- > MCS and SAPq applied for
- > Designed for low temperature emitters – e.g. underfloor heating, LT radiators or heat pump convectors
- > New 4kW model ideal for new build
- > Helps achieve Code for Sustainable Homes Level 4
- > Reduced VAT 5% for domestic installations
- > Inverter compressor means no large buffer vessel



Outdoor Unit			ERLQ004CV3	ERLQ006CV3	ERLQ008CV3	ERLQ011CV3 ERLQ011CW1	ERLQ014CV3 ERLQ014CW1	ERLQ016CV3 ERLQ016CW1
Heating Capacity	Min.	kW	1.80 <sup>1</sup>	2.30 <sup>1</sup>		-		
	Nom.	kW	4.40 <sup>1</sup> / 3.27 <sup>2</sup>	6.00 <sup>1</sup> / 4.58 <sup>2</sup>	7.40 <sup>1</sup> / 5.80 <sup>2</sup>	11.20 <sup>1</sup> / 8.56 <sup>2</sup>	14.50 <sup>1</sup> / 10.30 <sup>2</sup>	16.00 <sup>1</sup> / 11.10 <sup>2</sup>
	Max.	kW	4.60 <sup>3</sup>	5.34 <sup>3</sup>	6.41 <sup>3</sup>	-		
Cooling Capacity	Nom.	kW	5.00 <sup>4</sup>	6.67 <sup>4</sup>	6.86 <sup>4</sup>	15.05 <sup>4</sup>	16.06 <sup>4</sup>	16.76 <sup>4</sup>
COP			5.04 <sup>1</sup> / 4.02 <sup>2</sup>	4.74 <sup>1</sup> / 3.66 <sup>2</sup>	4.45 <sup>1</sup> / 3.53 <sup>2</sup>	4.55 <sup>1</sup> / 3.50 <sup>2</sup>	4.40 <sup>1</sup> / 3.45 <sup>2</sup>	4.35 <sup>1</sup> / 3.40 <sup>2</sup>
EER			3.37 <sup>4</sup>	3.45 <sup>4</sup>	3.42 <sup>4</sup>	3.39 <sup>4</sup>	3.01 <sup>4</sup>	2.76 <sup>4</sup>
Dimensions	Height x Width x Depth		mm			1345x900x320		
Operation Range	Heating	Min~Max.	°C	-20~-25 <sup>5</sup>		-20~-35		
	Cooling	Min~Max.	°C	10~43		10~46		
	Domestic Hot Water	Min~Max.	°C	-20~-35 <sup>5</sup>		-20~-35		
Sound Power Level	Heating	Nom.	dBA	61	62	64		66
	Cooling	Nom.	dBA	63	63	64	66	69
Power Supply			1~/230V			1~/230V / 3~/400V		

Capacity tested at the following conditions:

<sup>1</sup> Air 7°C Water 35°C, <sup>2</sup> Air 2°C Water 35°C, <sup>3</sup> Air -7°C Water 35°C, <sup>4</sup> Air 35°C Water 18°C, <sup>5</sup> Operation guaranteed to -25°C without capacity guarantee

Indoor Unit				EHBH04C3V EHBH08C3V	EHBH08C9W	EHBH16C3V	EHBH16C9W
Dimensions	Height x Width x Depth			mm		880x480x350	
Operation Range	Heating	Ambient	Min~Max.	°C	-20~-25 <sup>5</sup>		-20~-35
		Water Side	Min~Max.	°C	18~55		18~55
	Domestic Hot Water	Ambient	Min~Max.	°C	-20~-35		-20~-35
		Water Side	Min~Max.	°C	25~55		25~50
Sound Power Level		Nom.	dBA	40 <sup>1</sup>	47 <sup>1</sup>		
Power Supply				1~/230V	1~/230V / 3~/400V	1~/230V	3~/400V

Notes: – Reversible models also available

- Maximum DHW temperature varies depending on ambient conditions
- All data is preliminary



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.



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