

# Daikin Altherma R HT



## Why choose a Daikin Altherma high temperature split?

The Daikin Altherma high temperature split is the perfect heating solution to upgrade an old heating and hot water system to achieve more cost savings and energy efficiency, without replacing the existing piping and radiators.

### ✓ Comfort

#### Best for renovation projects

Air-to-water high temperature heat pumps are ideal for renovations and replacing old boilers. Daikin Altherma high temperature split's compact design requires minimal installation space and integrates seamlessly with your existing piping and radiators. Minimal installation ensures you can enjoy the energy efficiency of a heat pump without having to replace your entire system.

- › Easy replacement: reuse existing piping/radiators
- › Reduced installation time
- › Limited installation space needed as the indoor unit and domestic hot water tank can be stacked together
- › No need to change existing radiators and piping as water temperatures can be increased up to 80 °C for heating and domestic hot water use



Whether your customer wants only domestic hot water or the advantage of solar energy, Daikin offers a wide range of options, including:

#### Stainless steel domestic hot water tank

The domestic hot water tank can be stacked on top of the indoor unit to save space, or installed next to each other if space is available.

- › Available in 200 or 250 litres
- › Efficient temperature heating: from 10 °C – 50 °C in only 60 minutes\*

\*Test completed with a 16 kW outdoor unit at ambient temperature of 7 °C for a 200 litre tank.



#### ECH<sub>2</sub>O thermal store: hot water savings with solar energy

Combine the Daikin Altherma heat pump with a thermal store to reduce energy costs by taking advantage of the sun's renewable energy. Built for small and large homes, customers can choose from a pressureless or pressurised hot water system.



## ✓ Energy efficiency

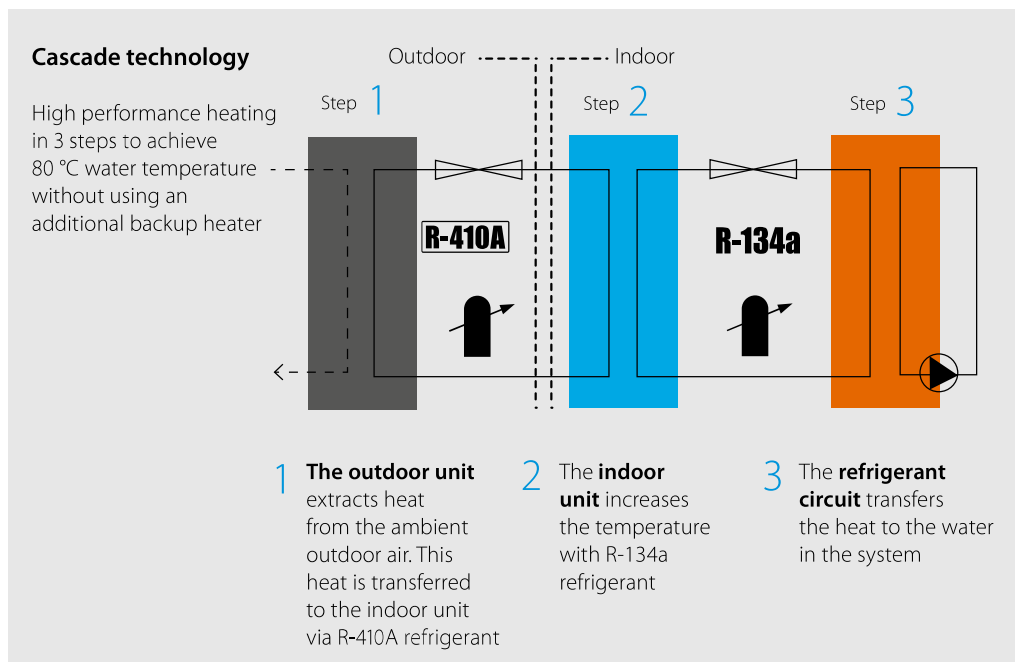
### Powered by renewable energy

Powered by **65% renewable energy** extracted from the air and 35% electricity, our Daikin Altherma high temperature heat pump provides heating and hot water with A+ energy efficiency.

## ✓ Reliability

The Daikin Altherma high temperature split optimises its technology to deliver reliable year-round comfort, even in the most extreme climates.

- › 11-15 kW capacities
- › Low running costs and optimum comfort at even the coldest outdoor temperatures, thanks to the unique cascade compressor approach
- › Works with existing high temperature radiators up to 80 °C without an additional backup heater



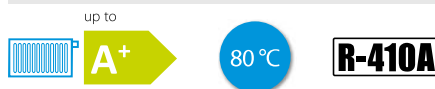
# Daikin Altherma R HT

Floor standing **heating only** air to water heat pump combinable **with existing radiators**

- › Energy efficient heating only system based on air to water heat pump technology
- › Single phase floor standing indoor unit up to 16kW
- › Three phase floor standing indoor unit up to 16kW
- › High temperature application: up to 80 °C without electric heater
- › Easy replacement of existing boiler, without changing heating pipes
- › Combinable with high temperature radiators
- › Low energy bills and low CO<sub>2</sub> emissions
- › Inverter controlled scroll compressor



More details and final information can be found by scanning or clicking the QR codes.



EKHBRD-ADV17



EKHBRD-ADY17



ERRQ-AV1



ERRQ-AY1



ERSQ-AV1



ERSQ-AY1



Efficiency data			EKHBRD + ERRQ/ERSQ		011ADV17 + ERRQ011AV1	011ADY17 + ERSQ011AY1	014ADV17 + ERRQ014AV1	014ADY17 + ERSQ014AY1	016ADV17 + ER(R/S) Q016AV1	011ADY17 + ERRQ011AY1	011ADY17 + ERSQ011AY1	014ADY17 + ERRQ014AY1	014ADY17 + ERSQ014AY1	016ADY17 + ER(R/S) Q016AY1
Heating capacity	Nom.		kW		11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)	11.3 (1) / 11.0 (2) / 11.2 (3)		14.5 (1) / 14.0 (2) / 14.4 (3)		16.0 (1) / 16.0 (2) / 16.0 (3)
Power input	Heating	Nom.	kW		3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)	3.80 (1) / 4.40 (2) / 2.67 (3)	3.87 (1) / 4.40 (2) / 2.67 (3)	5.02 (1) / 5.65 (2) / 3.87 (3)	5.09 (1) / 5.65 (2) / 3.87 (3)	5.86 (1) / 6.65 (2) / 4.31 (3)
COP					2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)	2.97 (1) / 2.50 (2) / 4.20 (3)	2.92 (1) / 2.50 (2) / 4.20 (3)	2.89 (1) / 2.48 (2) / 3.72 (3)	2.85 (1) / 2.48 (2) / 3.72 (3)	2.73 (1) / 2.41 (2) / 3.72 (3)
Space heating	Average climate water outlet 55 °C	General	SCOP		2.96		2.98		3.01	2.96		2.98		3.01
			η <sub>s</sub> (Seasonal space heating efficiency)	%	115		116		117	115		116		117
	Average climate water outlet 35 °C	General	SCOP		2.70		2.81		2.88	2.70		2.81		2.88
			η <sub>s</sub> (Seasonal space heating efficiency)	%	105		110		112	105		110		112
			Seasonal space heating eff. class		C		B		C		B		B	

Indoor Unit				EKHBRD	011ADV17	014ADV17	016ADV17	011ADY17	014ADY17	016ADY17				
Casing	Colour	Metallic grey												
	Material	Precoated sheet metal												
Dimensions	Unit	HeightxWidthxDp	705x600x695											
	Unit		144											
Operation range	Heating	Ambient	Min. ~ Max.	-20 / 0 ~ 20										
		Water side	Min. ~ Max.	25 ~ 80										
	Domestic hot water	Ambient	Min. ~ Max.	-20 ~ 35										
		Water side	Min. ~ Max.	25 ~ 80										
Refrigerant	Type	R-134a												
	Charge	kg	2.60											
	Charge	TCO:Eq	3.718											
Sound pressure level	Nom.	dBA	43 (4) / 46 (5)		45 (4) / 46 (5)		46 (4) / 46 (5)		43 (4) / 46 (5)		45 (4) / 46 (5)		46 (4) / 46 (5)	
	Night quiet mode	Level 1	dBA	40 (4)		43 (4)		45 (4)		40 (4)		43 (4)		45 (4)





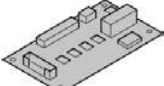
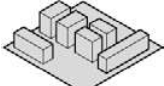
Outdoor Unit				ERRQ-011AV1	ERSQ-011AV1	ERRQ-014AV1	ERSQ-014AV1	ERRQ-016AV1	ERSQ-016AV1	ERRQ-011AY1	ERSQ-011AY1	ERRQ-014AY1	ERSQ-014AY1	ERRQ-016AY1	ERSQ-016AY1	
Dimensions	Unit	HeightxWidthxDp	mm													
Weight	Unit		kg													
Compressor	Quantity	1														
	Type	Hermetically sealed scroll compressor														
Operation range	Heating	Min. ~ Max.	°CWB													
	Domestic hot water	Min. ~ Max.	°CDB													
Refrigerant	Type	R-410A														
	GWP	2,087.5														
	Charge	kg	4.50													
	Charge	TCO:Eq	9.40													
				Expansion valve (electronic type)												
Sound power level	Heating	Nom.	dBA	68	69	71	68	69	71	68	69	71	68	69	71	
Sound pressure level	Heating	Nom.	dBA	52	53	55	52	53	55	52	53	55	52	53	55	
Power supply	Name/Phase/Frequency/Voltage	Hz/V	V1/1 ~ /50/220-440													
Current	Recommended fuses	A	25													

(1)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (2)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (3)EW 30 °C; LW 35 °C; Dt 5 °C; ambient conditions: 7 °CDB/6 °CWB |

(4)EW 55 °C; LW 65 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB | (5)EW 70 °C; LW 80 °C; Dt 10 °C; ambient conditions: 7 °CDB/6 °CWB |

This product contains fluorinated greenhouse gases.

# Options

	Type	Material name
Controllers	Remote user interface	EKRUAHTB
	 Room thermostat (wired)	EKRTWA
	 Room thermostat (wireless)	EKRTR1
	Centralised controller kit	EKCC-W
	 DCOM gateway	DCOM-LT/IO
	 DCOM gateway	DCOM-LT/MB
Adapter	 Demand PCB	EKRP1AHTA
	 Digital I/O PCB	EKRP1HBAA
Back-up heater	Back-up heater for HT 1 ~	EKBUHAA6V3
	Back-up heater for HT 3 ~	EKBUHAA6W1
	Bottom plate heater	EKBPHTH16A
Installation	UK tank kit	EKUHWHTA
	Stand alone kit	EKFMAHTB
Sensor	External sensor	EKRTETS
Valve	Refrigerant stop valves	EKRSVHTA
Others	Compatibility kit 1	EKMKHT1A
	Compatibility kit 2	EKMKHT2A

