

Daikin Altherma Domestic Hot Water Heat Pump

New generation of DHW heat pumps



EKHHEU-(P)CV37

Daikin Altherma Domestic Hot Water Heat Pump

The system is made of a single indoor unit that extracts energy from the air to provide domestic hot water. The unit collects up to 60% of its energy in the air, while the rest is provided by electricity.

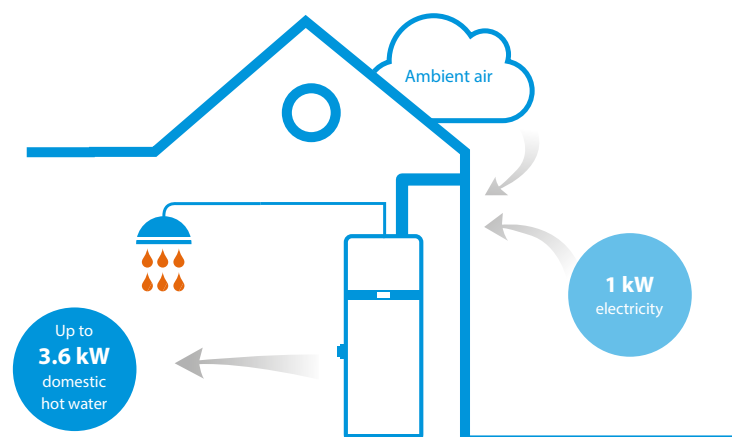
Daikin Altherma Domestic Hot Water Heat Pump is an air-to-water heat pump for the production of domestic hot water. The enamelled steel tank and the condenser are thermally insulated to guarantee top safety and hygiene.

The Altherma Domestic Hot Water Heat Pump is ideal for dwellings and up to 4-5 bedroom houses depending on occupancy.

- › Maximum temperature of 62°C from renewable energy with heat pump alone or through a heating element (up to 75°C)
- › Programmable digital interface with TOUCH keys
- › Integration through Solar Thermal energy (-PCV37 model) or through a heating element (up to 75°C) on all models
- › Small installation footprint of 595 x 634 mm
- › Integrated back-up heater of 1.5kW
- › Integrated solar thermal control (EKHHEU-PCV37)
- › Available in 200ltr and 260ltr tank versions
- › Compact modern design
- › Anti-legionella cycle
- › Scheduled operation

Remarkably quiet

With a sound power of 51dB(A) indoor, and 44dB(A) outdoor, it is one of the most silent domestic hot water heat pump.





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Indoor unit				EKHHEU200CV37	EKHHEU260CV37	EKHHEU200PCV37	EKHHEU260PCV37
Description				200 ltr	260 ltr	200 ltr with solar	260 ltr with solar
Heat up time	Max.		hh:mm	06:27*	09:29*	06:27*	09:29*
COP				3.23	3.37	3.23	3.37
Domestic hot water	Output	Nom	kW	1.34	1.25	1.34	1.25
Equivalent hot water	Max		l	247	340	241	335
Dimensions	Unit	Height	mm	1,607	1,892	1,607	1,892
		Diameter	mm	Top: 621, Bottom: 628	Top: 621, Bottom: 628	Top: 621, Bottom: 628	Top: 621, Bottom: 628
Weight	Unit	Empty	kg	85	97	96	106
Installation place				Indoor	Indoor	Indoor	Indoor
IP class				IP24	IP24	IP24	IP24
Refrigerant	Type			R-134a	R-134a	R-134a	R-134a
	GWP			1,430	1,430	1,430	1,430
	Charge		TCO ₂ Eq	1.43	1.43	1.43	1.43
	Charge		kg	1	1	1	1
Heat pump	Casing	Colour		White	White	White	White
	Defrost method			Hot gas	Hot gas	Hot gas	Hot gas
	Automatic defrost start		°C	-5	-5	-5	-5
	System pressure	Max.	bar	7	7	7	7
	Operation range	Ambient	Min. °CDB	-7	-7	-7	-7
			Max. °CDB	43	43	43	43
	Power supply	Phase		1	1	1	1
		Frequency	Hz	50	50	50	50
		Voltage	V	230	230	230	230
		Maximum running current	A	8.5	8.5	8.5	8.5
Tank	Integrated heating element power	Nom.	kW	1.5	1.5	1.5	1.5
	Casing	Material		Enamelled steel	Enamelled steel	Enamelled steel	Enamelled steel
	Installation	Solar thermal connection possible		-	-	Yes	Yes
	Standing heat loss		W	63	71	63	71
	Power supply	Phase		1	1	1	1
		Frequency	Hz	50	50	50	50
		Voltage	V	230	230	230	230
	Declared load profile			L	XL	L	XL
Domestic hot water heating	General	Water heating energy efficiency class		A+	A+	A+	A+
		Thermostat temperature setting	°C	55	55	55	55
		AEC (Annual electricity consumption)	kWh	761	1,210	761	1,210
	Average climate	η _{wh} (water heating efficiency)	%	135	138	135	138
		AEC (Annual electricity consumption)	kWh	944	1,496	944	1,496
	Cold climate	AEC (Annual electricity consumption)	kWh	631	1,046	631	1,046
	Warm climate	AEC (Annual electricity consumption)	kWh	631	1,046	631	1,046
Sound power level	Domestic hot water heating		dBA	53	51	53	51

* Data according to EN 16147:2017 standard for AVERAGE climate (unit in ECO mode, Hot water setpoint = 55 °C; Inlet water = 10 °C; Inlet air temp = 7 °C DB / 6 °C WB)

Accessory Ref	Description
EKUHWG3D24	G3 kit
EKPHK02	Probe Holder Kit for Solar Thermal Sensor
EKFIL260	Filter Kit

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