



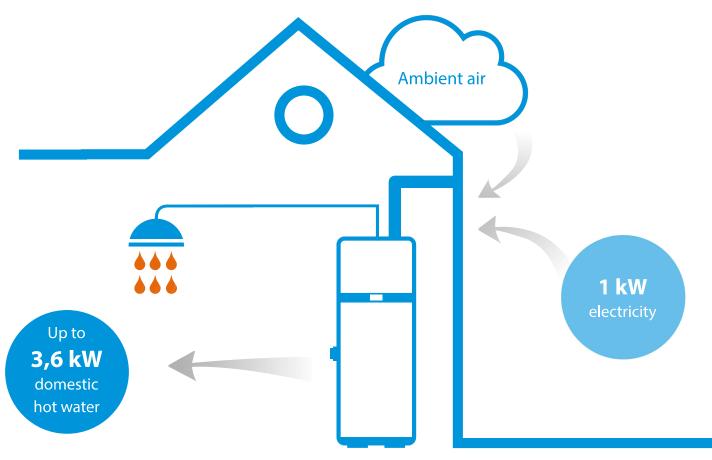


Why choose Daikin Altherma domestic hot water heat pump?

How does it work?

The system is made of a singly 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.

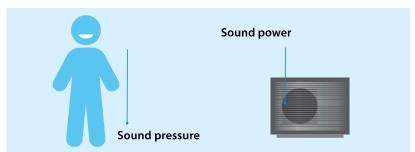
This heat pump relies on a compressor and a refrigerant to transfer the energy from the air to the water, heating the water up to your needs and delivering it into your house.



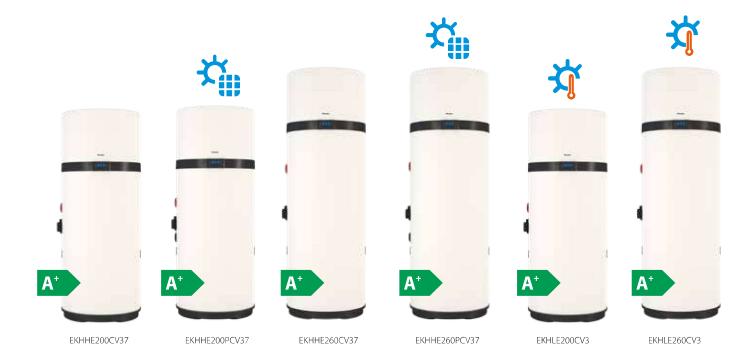


The acoustic level can be evaluated in two ways

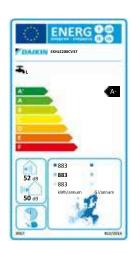
- > The **sound power** is generated by the unit itself, independently of distance and environment
- > The **sound pressure** is the sound perceived at a certain distance. The sound pressure is usually calculated at between 1 and 5 metres from the unit.



Product range







Features

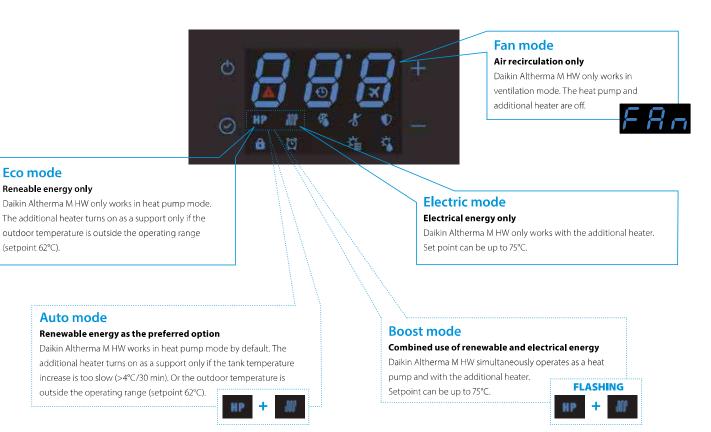
Daikin Altherma M HW is an air-water heat pump for the production of domestic hot water, storage in a enamelled steel tank, with condenser having an external jacket to guarantee top safety and hygiene.

- > 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
- > Integration with Photovoltaic Solar system

Intuitive controls

A very simple and intuitive display

- > White backlit LEDs to control temperature and features
- > **Red** backlit LEDs for alarm warnings
- > The 4 side TOUCH keys turn Daikin Altherma M HW on/off (); keys to browse through the MENU (SET) and increase (+) or decrease (-) settings



Specifications















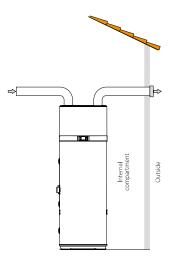
Туре	Volume (l)	Capacity	Dimensions (mm)	Optimisation from Photovoltaic	Integrated Solar Thermal Control	Legionella Control Sanitisation	Time slot-based operation	OFF PEAK feature	Defrosting on	Ho l iday Mode		
ЕКННЕ-СV37	200	ተ ተተ	628 x 628 x 1607	•	-	•	•	•	•	•		
	260	ተ ተተተ	628 × 628 × 1892	•	-	•	•	•	•	•		
EKHHE-PCV37	200	***	628 x 628 x 1607	•	•	•	•	•	•	•		
	260	***	628 x 628 x 1892	•	•	•	•	•	•	•		
EKHLE-CV3	200	† † †	628 x 628 x 1607	•	-	•	•	•	-	•		
	260	***	628 x 628 x 1892	•	_	•	•	•	_	•		

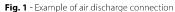
Installation

Daikin Altherma M HW can be installed in any room, including non-heated ones like garages and laundry rooms, and does not require any special work, except for the holes for the air intake and exhaust pipes.

Esclusively vertical Intake and exhaust

Some installation methods





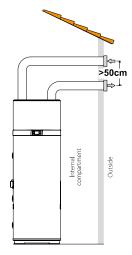


Fig. 2 - Example of air discharge connection

The heat pump requires suitable air ventilation. A suggested method for a designated air duct is provided in Fig. 1. Plus, it is essential to guarantee suitable ventilation in the room where the appliance is installed.

An alternative solution is provided in the picture on the right (Fig. 2): it involves additional ducting that draws air from outdoors, rather than directly from indoors.

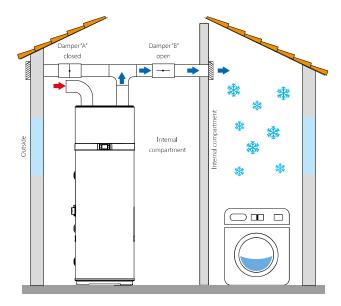


Fig. 3 - Example of installation in summer

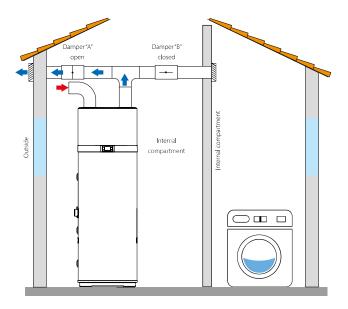


Fig. 4 - Example of installation in winter

One of the unique features of heat-pump heating systems is the fact that these units considerably reduce the temperature of the air, which is usually ejected outdoors. As well as being colder than the air in the room, the ejected air is also completely dehumidified, which is why the airflow can be conveyed back into the home to cool specific areas or rooms in summer. Installation involves doubling the exhaust pipe, on which two dampers ("A" and "B") are applied to convey the airflow either outside (fig. 3) or inside the house (fig. 4).

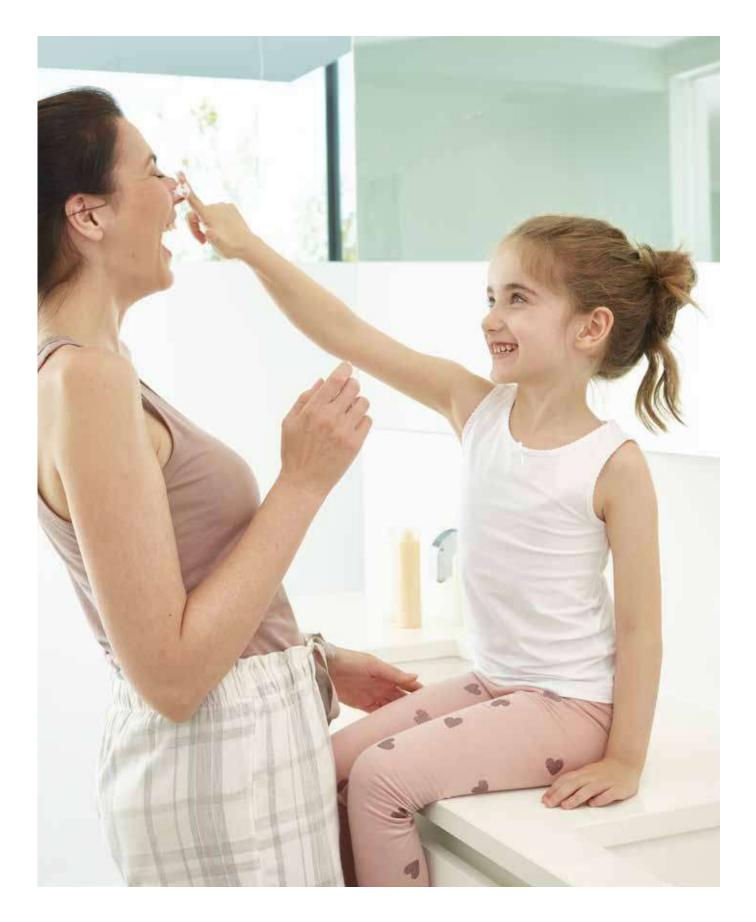
Daikin Altherma M HW Second Generation

- > Available in wall mounted (200-260 L)
- > Compact modern design
- > Anti-legionella cycle
- > Scheduled operation
- > Integrated solar thermal control (EKHHE-PCV37)
- > Suitable for warm climate (EKHLE-CV3)

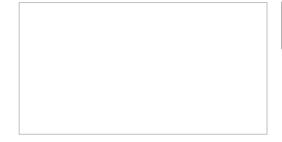




Indoor unit				EK	HHE200CV37	HHE260CV37	HHE200PCV37	HHE260PCV37	HLE200CV3	HLE260CV3		
Heat up time	Max.		hł	n:mm	06:27	09:29	06:27	09:29	07:16	09:44		
COP					3.23	3.37	3.23	3.37	4.32	4.32		
Domestic hot water	Output	Nom kW			1.34							
Equivalent hot water	Max			ı	247	340	241	335	247	340		
D: :		Height		mm	1,607	1,892	1,607	1,892	1,607	1,892		
Dimensions	Unit	Diameter		mm			Top: 621, Be	ottom: 628				
Weight	Unit	Empty		kg	85	97	96	106	86	98		
nstallation plac	ce						Ind	oor				
P class							IP:	24				
	Туре				R-134a							
	GWP				1,430							
	Charge	TCO ₂ Eq			1.43							
	Charge	kg			1							
Heat pump	Casing	Colour			White							
	Defrost method	Coloui			White Hot gas							
	Automatic defrost	st start °C						_				
	System pressure	Max. bar					-5 -	7		1		
		Max.	141		7							
		Ambient		°CDB	-7 4							
			Max.	°CDB	43							
	Power supply	Phase 1										
		Frequency Hz 50										
		Voltage		V	230							
		Maximum	laximum running current A 8.5						8	8.2		
	Integrated heating element power	Nom. kW			1.5							
	Casing	Material			Enamelled steel							
Tank	Installation	Solar thermal connection possible			-	-	Yes	Yes	-	-		
	Standing heat loss	· · · · · · · · · · · · · · · · · · ·		W	63	71	63	71	63	70		
		Phase										
	Power supply	Frequency Hz			50							
		Voltage		V			23					
		Declared le	oad profile	Ť	L	XL	L	XL	L	XL		
Domestic hot water heating	General	Water heating energy							,,,,			
		efficiency class			A+							
		•	t temperature									
		setting	e temperature	°C	55							
	Average climate		al electricity									
		consumpt	•	kWh	761	1,210	761	1,210	883	1,315		
		nwh (wate				138	135	138	116	127		
		efficiency)	neading	%	135							
	Cold climate		al electricity		n 944	1,496	944	1,496	883	1,315		
			•	kWh								
		consumpt										
	Warm climate		al electricity	kWh	631	1,046	631	1,046	883	1,315		
		consumpt	OH)									
Sound power evel	Domestic hot water heating dBA				53	51	53	51	5	2		



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