

# HEAT PUMP CONVECTOR



Perfecting the Air



IDEAL FOR LOW ENERGY HOMES



COMPATIBLE WITH ALTHERMA HOT WATER AND UNDERFLOOR HEATING SYSTEMS



QUIET OPERATION



## The Greener Choice

Altherma Heating Systems harness the power of water and renewable energy for efficient, future thinking hot water and home heating solutions.

0.95kW -TO- 3.88kW

HEATING CAPACITIES\*

3

MODELS

## HOT WATER HEAT PUMP CONVECTOR

# ALTHERMA HPC

## POWERED BY WATER

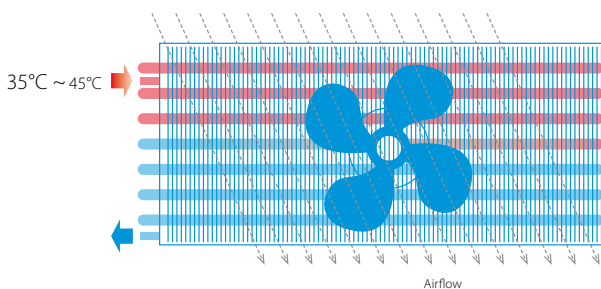
FWXV-ATV3

For a **stylish, energy efficient** update to the classic radiator look no further than the Altherma Heat Pump Convector. This unit is compatible with all hydronic Daikin Altherma heating and cooling solutions.

### What is a heat pump convector?

The way a heat pump convector works is similar to a radiator, as both use convection to heat a room. A radiator creates convection by running water through its pipes. With a heat pump convector, a radiator's convection process is faster because there is a small fan behind it speeding up the heating cycle.

A heat pump convector creates the same room temperature as a traditional radiator, but with lower water temperatures in the radiator, and in the long run, contribute to direct energy savings for users.

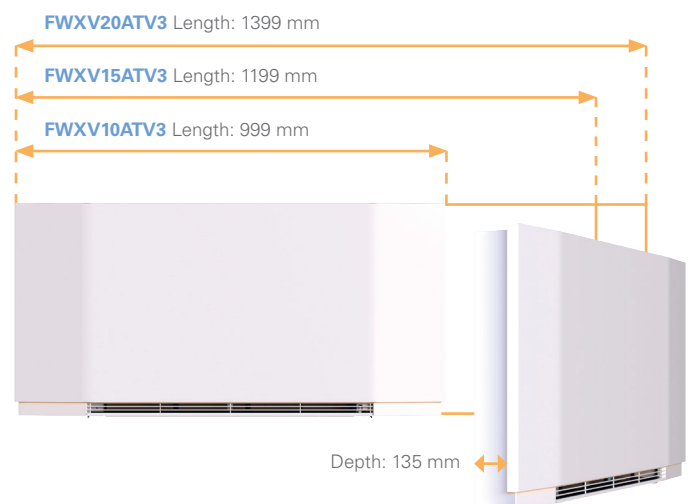


- Optimized for new build houses
- Can be selected at low water temperature (35°C) which makes it ideal for heat pump applications.



### SLIM DESIGN

Measuring 135 mm (depth), this heat pump can fit in any house or apartment.



### FAST AND HIGH CAPACITY

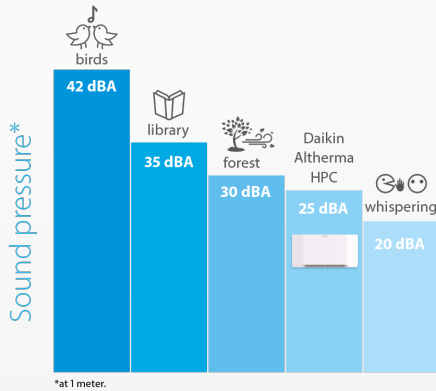
The Daikin Altherma HPC combines the advantages of residential underfloor heating and radiators. It delivers high capacity heating or cooling faster and can be selected at ultra-low temperatures (35/30°C regime)

\* Min. and Max. heating capacity at 45/40°C water temperature.



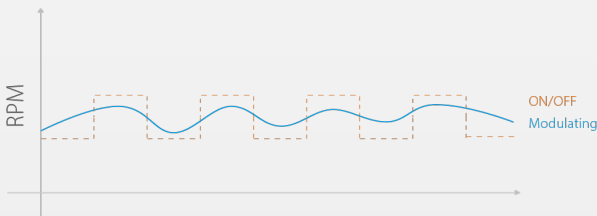
## DISCREET

As the unit reaches its set point, a continuous modulating fan gradually reduces its speed and creates less noise. The unit's sound pressure measures 25 dB(A) at 1m when the fan is on a low-speed setting.



## MODULATED AIRFLOW

When there is less heating demand, the unit modulates its airflow to slow down the fan rate, and in the process, lowers the operational sound. A standard ON/OFF fan running simultaneously at full speed can increase sound pressure.



\* Only applicable for EKRTCTRL1, EKWHCTRL1.



## DC INVERTER

Daikin Altherma HPC uses the latest technologies to consume less electricity down to 3W of standby power input while maintaining its reliable performance.



## CONTROLLERS (OPTIONAL)

Daikin offers a wide variety of controllers that are functional and have a great design.

EKRTCTRL1	EKRTCTRL2
<ul style="list-style-type: none"> <li>Built-in controller*</li> <li>Fully modulating</li> <li>Multicolor display</li> </ul>	<ul style="list-style-type: none"> <li>Built-in controller*</li> <li>4 speed selection</li> </ul>
EKWHCTRL1	EKPCBO
<ul style="list-style-type: none"> <li>Wall controller</li> <li>Fully modulating</li> <li>In combination with EKWHCTRL0</li> </ul>	<ul style="list-style-type: none"> <li>Built-in controller*</li> <li>ON/OFF</li> <li>In combination with external thermostats</li> </ul>

\* It fits the unit internally.



## PERFECT COMBINATION

This heat pump convector fits perfectly within the Daikin Altherma 3 range.



## SPECIFICATIONS

MODEL (Indoor Unit)		FWXV10AATV3		FWXV15AATV3		FWXV20AATV3	
Cooling Capacity	Min. / Med. / Max.	kW		0.66 / 1.36 / 1.77		1.33 / 2.16 / 2.89	
Sensible Cooling Capacity at 7 / 12 °C	Min. / Med. / Max.	kW		0.39 / 0.98 / 1.33		0.99 / 1.53 / 2.10	
Heating Capacity at 45 °C / 40 °C	Min. / Med. / Max.	kW		0.95 / 1.63 / 2.18		1.26 / 2.33 / 3.11	
Heating Capacity at 35 °C / 30 °C	Min. / Med. / Max.	kW		0.41 / 0.82 / 1.14		0.45 / 1.29 / 1.73	
Power Input	Min. / Med. / Max.	kW		0.003 / 0.018 / 0.018		0.004 / 0.020 / 0.020	
Air Flow Rate	Min. / Med. / Max.	m³/h		118 / 210 / 294		180 / 318 / 438	
Casing	Colour / Material			RAL 9003 / Metal sheet			
Dimensions	Unit	Height	mm	601			
		Width	mm	999		1199	
		Depth	mm	135		135	
Weight	Unit	kg		20		23	
Sound pressure level	Super silent / Min. / Max.	dB(A)		20 / 25 / 42		22 / 26 / 44	
Operation range	Heating / Cooling	Water side	Min.	°C	30 / 5		
			Max.	°C	85 / 20		
	Indoor installation	Ambient	Min. / Max.	°CDB	0 / 45		
Control systems	Infrared remote control / On board control / Wired remote control			no / yes / yes			
Installation place				Indoor			
Power Supply	Voltage / Phase / Frequency	V / Ø / Hz		230 / 1 / 50			

Your Local Daikin Specialist Dealer:

