

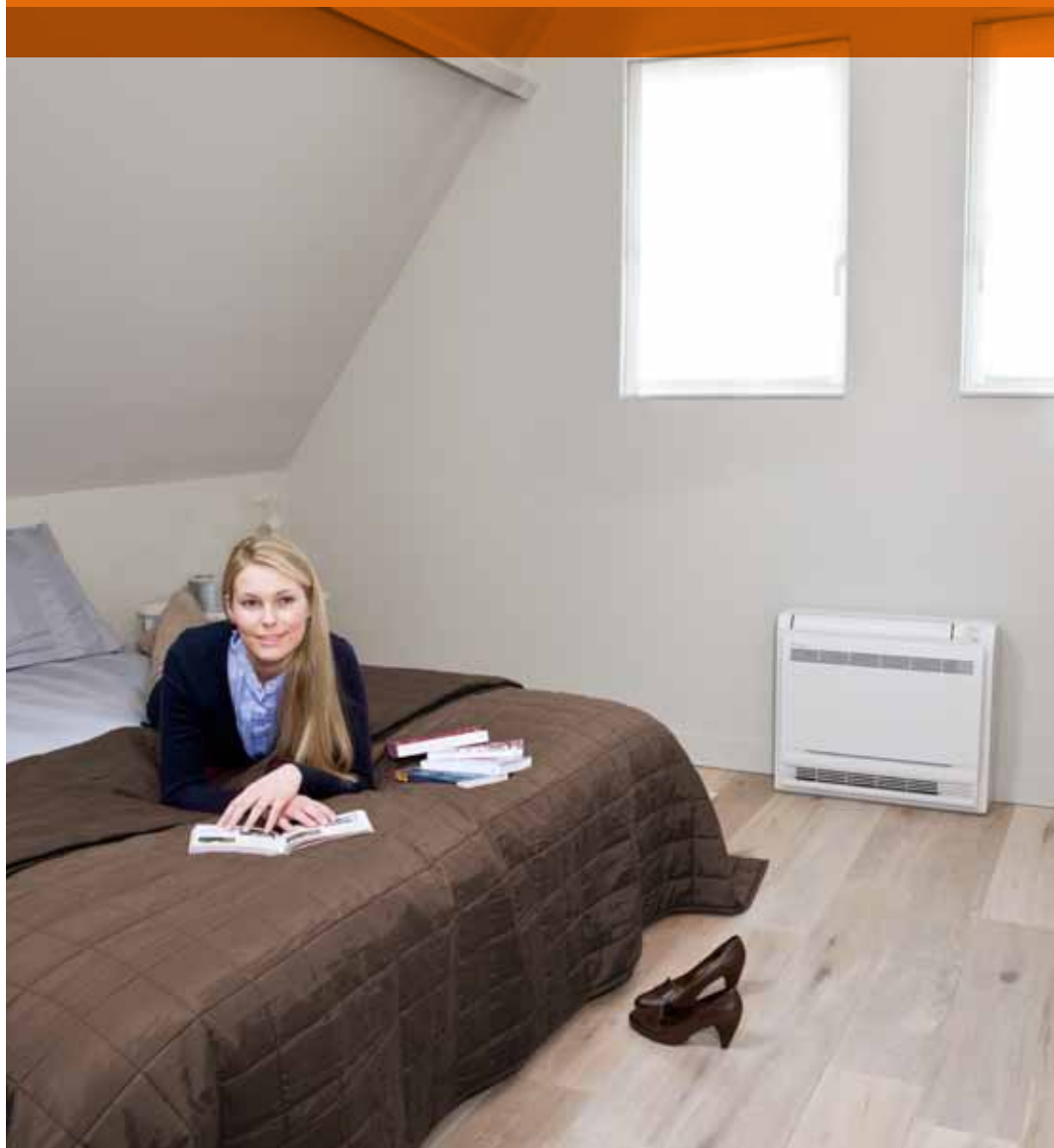


Heating

# Daikin Heat Pump Convectors

Energy Efficient Heat Emitter

- » Heats and cools
- » Saves on running costs
- » Compact size
- » Very low noise level: 19dB(A)



[www.daikinaltherma.eu](http://www.daikinaltherma.eu)



FWXV-A

# DAIKIN HEAT PUMP CONVECTOR - A NEW GENERATION OF HEAT EMITTERS

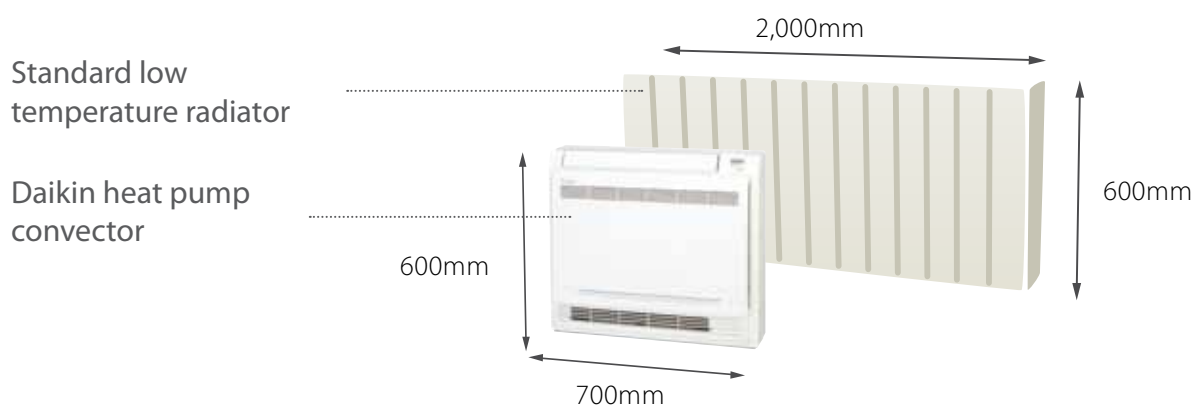
The Daikin heat pump convector is much more than a fan coil unit or any other heat emitter. The Daikin heat pump convector can provide both heating and cooling, and provides optimal energy efficiency when connected to a Daikin Altherma Low Temperature system.

To meet the need of today's houses for a fast reacting heat emitter, the Daikin heat pump convector features a rapid heating or cooling mode. The Daikin heat pump convector improves efficiency by approximately 25% compared to a heating system with underfloor heating and regular fan coil units.



## COMPACT SIZE

The Daikin heat pump convector has been designed to work effectively at low temperatures, while retaining a compact size. The Daikin heat pump convector is the ideal alternative to radiators that need to be oversized to emit the proper levels of heat at low temperatures.



## CONTROLS

Each Daikin heat pump convector has its own control and every room can be independently heated (or cooled) as required. The remote control has a built-in weekly timer for optimum flexibility and comfort. Operation of the unit can be adapted to individual requirements.

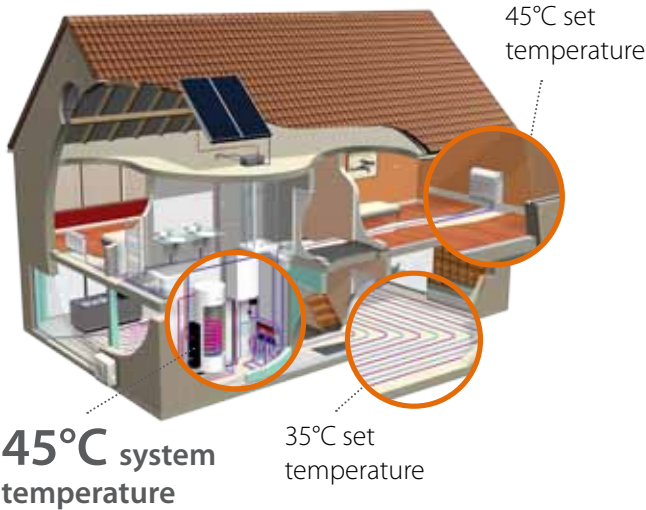


Infrared remote control (Standard)  
ARC452A15

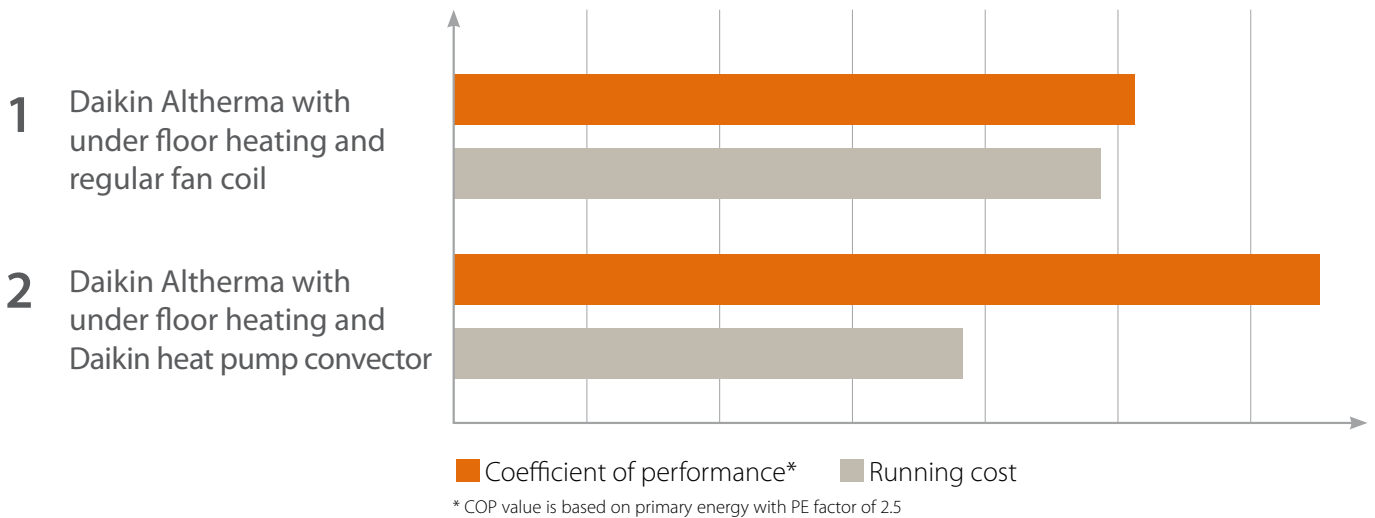
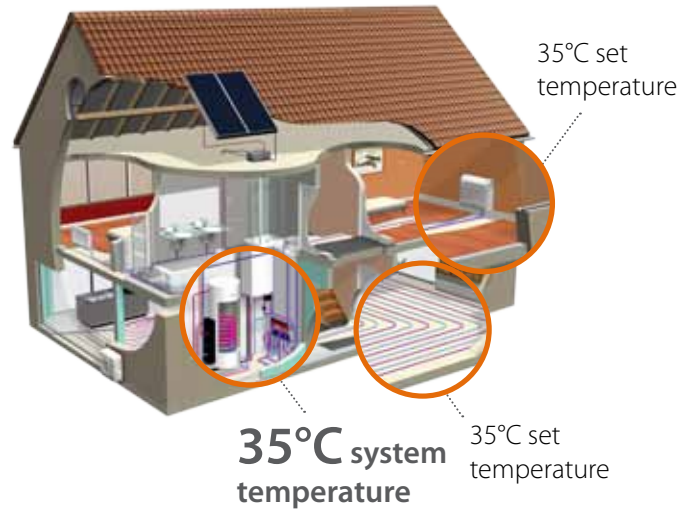
# INTEGRATION WITH DAIKIN ALTHERMA SYSTEM

When the Daikin heat pump convector is combined with underfloor heating, the heat pump convector can offer enough capacity to operate at 35°C. This enhances the performance of the heating system.

## 1 Daikin Altherma + under floor heating + fan coil units



## 2 Daikin Altherma + under floor heating + heat pump convector

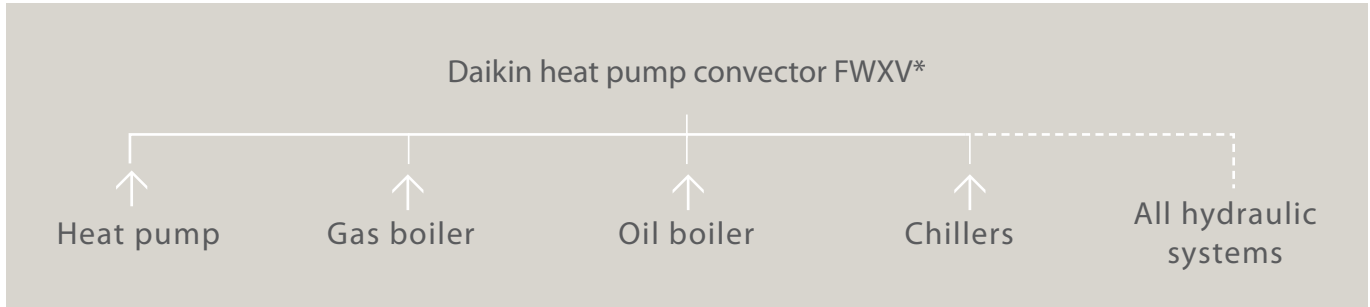


In refurbishment projects, it can be difficult to install a drain pipe. A unique feature of the Daikin heat pump convector is that cooling is still possible without a drain pipe by limiting the water temperature.

	Daikin Heat Pump Convector	Regular Fan Coil Unit	Radiator
Heating	✓	✓	✓
Cooling	✓	✓	
Low sound level	✓		✓
Compact dimensions	✓		
Capacity guarantee at 35°C	✓		

# A RANGE OF COMBINATIONS POSSIBLE

The Daikin heat pump convector is connectable to several systems



\* taking into account the conditions of the heating system

## Heating & Cooling

INDOOR UNITS				FWXV15AB		FWXV20AB	
Capacity	heating	45°C <sup>1</sup>	kW	1.5		2.0	
	cooling	7°C <sup>2</sup>	kW	1.2		1.7	
Dimensions	height x width x depth		mm	600x700x210			
Weight			kg	14			
Air flow rate			m <sup>3</sup> /h	228		386	
Sound pressure	M		dB(A)	19		29	
Refrigerant				Water			
Power Supply				1~/220-240V/50/60Hz			
Piping connections	drain			18			

<sup>1</sup> Water inlet temperature = 45°C / Water outlet temperature: 40°C indoor temperature = 20°CDB

Medium fan speed

<sup>2</sup> Water inlet temperature = 7°C / Water outlet temperature: 12°C indoor temperature = 27°CDB / 19°CWB

Medium fan speed



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.

Daikin Altherma High Temperature units are not in scope of the Eurovent certification programme.



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