Heating

Daikin Heat Pump Convector

Energy Efficient Heat Emitter

- Heats and cools
- Saves on running costs
- Compact size
- Very low noise level

www.daikinaltherma.eu

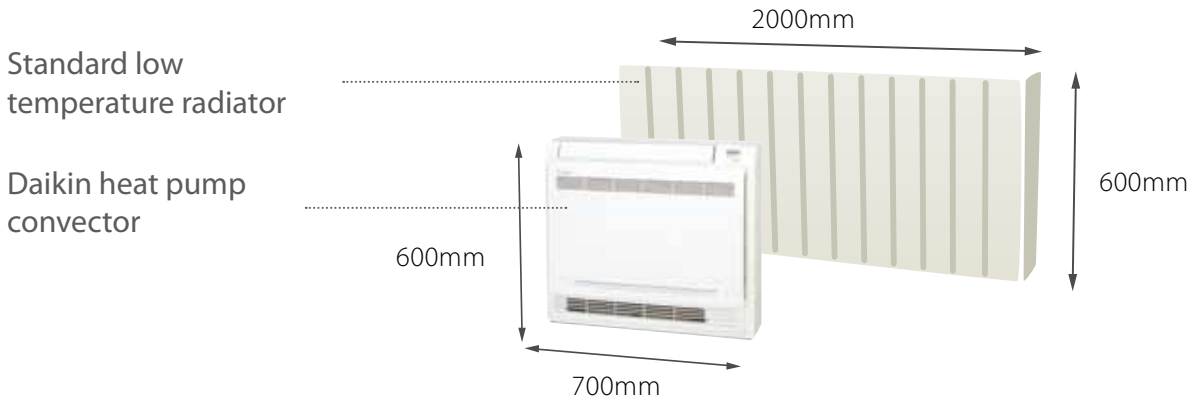
DAIKIN HEAT PUMP CONVECTOR - A NEW GENERATION OF HEAT EMITTERS

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

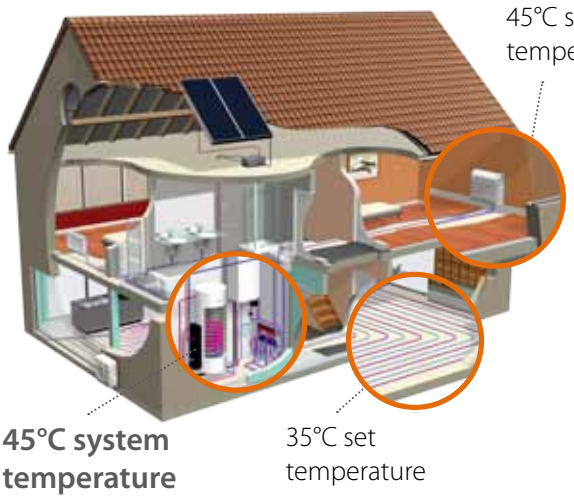
Each Daikin heat pump convector has its own control and every room can be independently heated (or cooled) as required. The remote control has a built-in weekly timer for optimum flexibility and comfort. Operation of the unit can be adapted to individual requirements.

Infrared remote control (Standard) ARC452A15

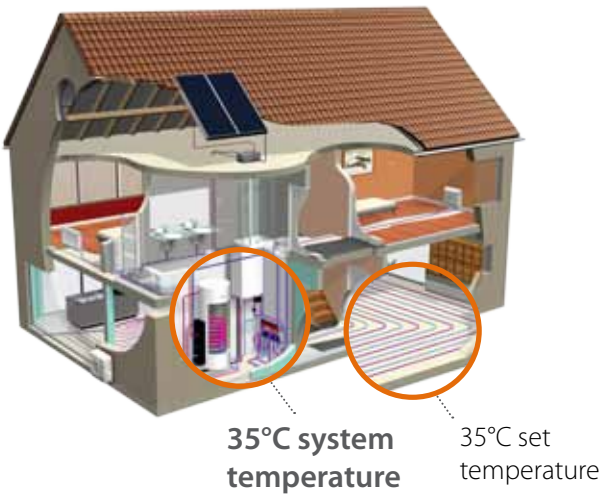
INTEGRATION WITH DAIKIN ALTHERMA SYSTEM

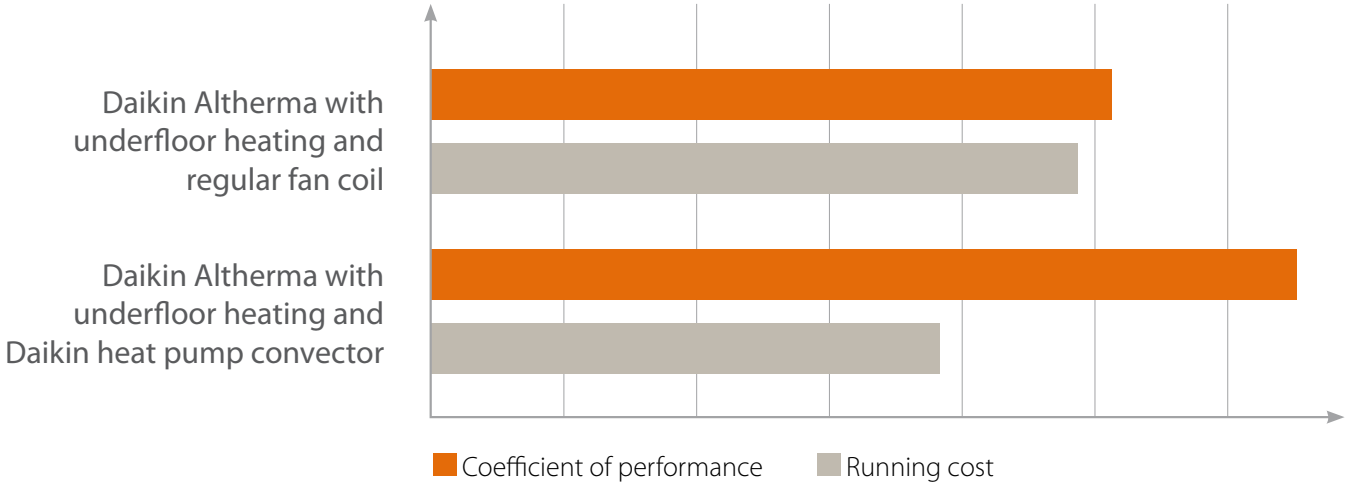
When the Daikin heat pump convector is combined with underfloor heating, the unique interlink function allows the Daikin Altherma system to function in different temperature zones, each with its optimum water temperature. This enhances the performance of the heating system.

DAY: Daikin heat pump convector and underfloor heating switched on



NIGHT: Daikin heat pump convector switched off



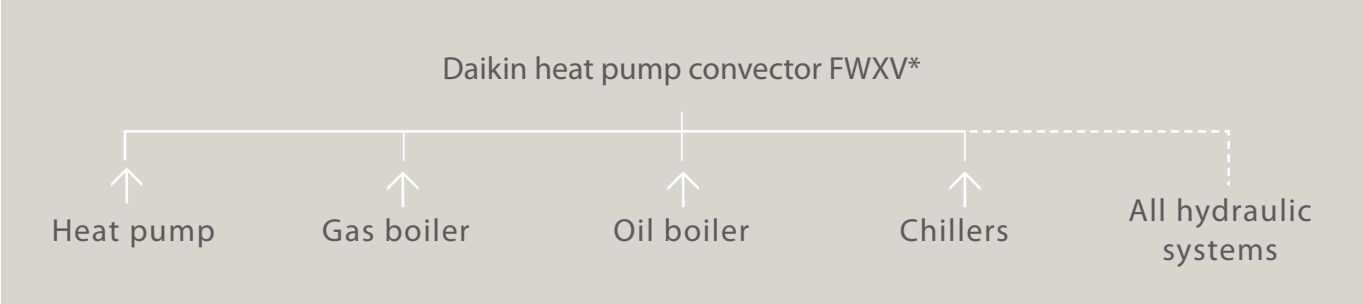


In refurbishment projects, it can be difficult to install a drainpipe. A unique feature of the Daikin heat pump convector is that cooling is still possible without a drainpipe by limiting the water temperature.

	Daikin Heat Pump Convector	Regular Fan Coil Unit	Radiator
Heating	✓	✓	✓
Cooling	✓	✓	
Low sound level	✓		
Compact dimensions	✓		
Interlink function to reduce running costs	✓		

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				FWXV15AVEB	FWXV20AVEB
Capacity	heating	45°C [1]	kW	1.5	2.0
	cooling	7°C [2]	kW	1.2	1.7
Dimensions	heightxwidthxdepth		mm	600x700x210	
Weight			kg	14	
Air flow rate			m3/h	228	386
Sound pressure		M	dBA	19	29
Refrigerant				Water	
Power Supply				1~/220-240V/50/60Hz	
Piping connections	drain			18	

[1] Water inlet temperature = 45°C / Water outlet temperature: 40°C
indoor temperature = 27°CDB / 19°CWB
Medium fan speed
[2] Water inlet temperature = 7°C / Water outlet temperature: 12°C indoor temperature = 20°CDB
Medium fan speed

In all of us, a green heart

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.

FSC

ECPEN10-728

Daikin products are distributed by:

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Printed on non-chlorinated paper. Prepared by La Movida, Belgium
Resp. Ed.: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende