



Heating

Daikin Heat Pump Convectors

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

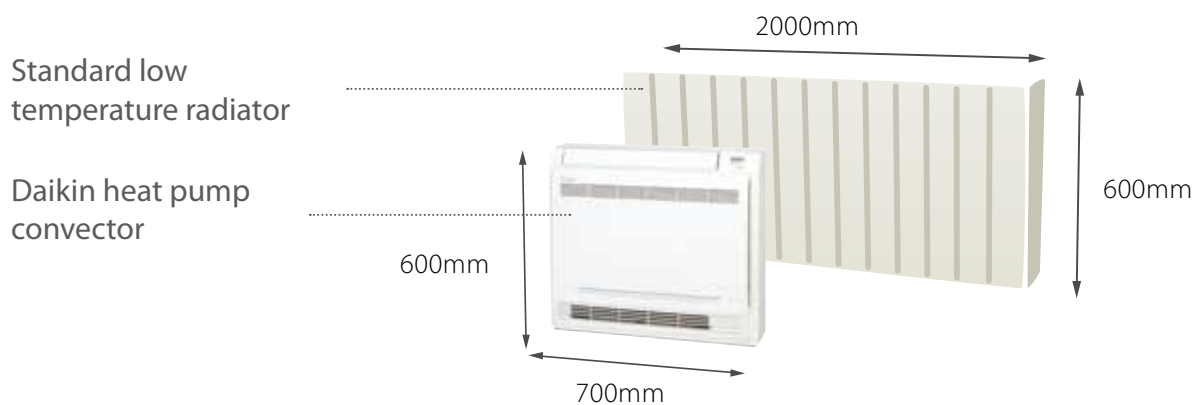
The Daikin heat pump convector is much more than a fan coil unit or any other heat emitter. The Daikin heat pump convector can provide both heating and cooling, and provides optimal energy efficiency when connected to a Daikin Altherma Low Temperature system.

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.



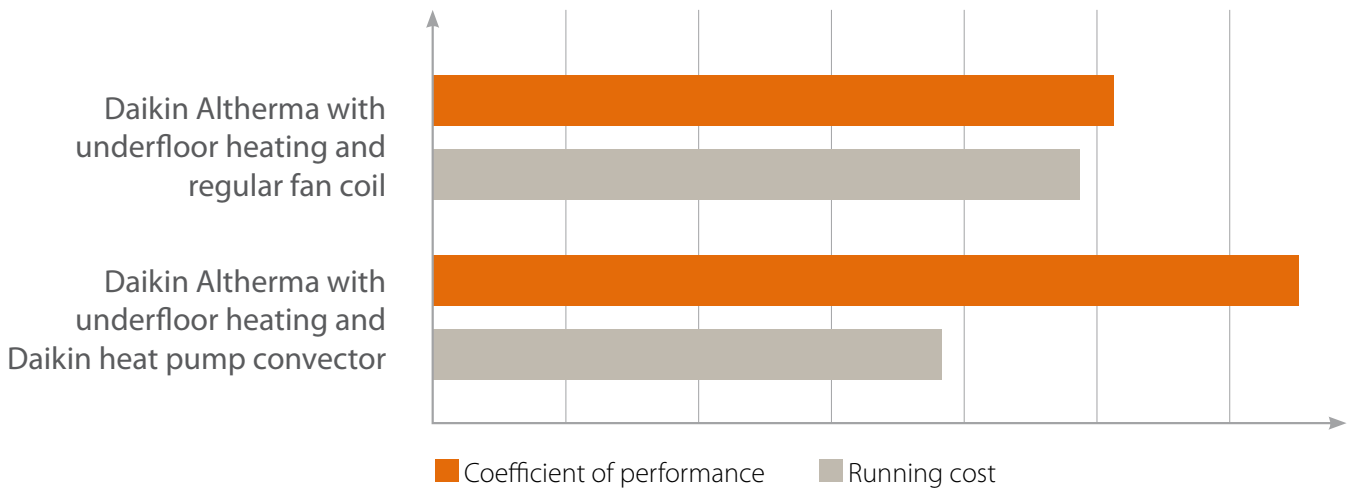
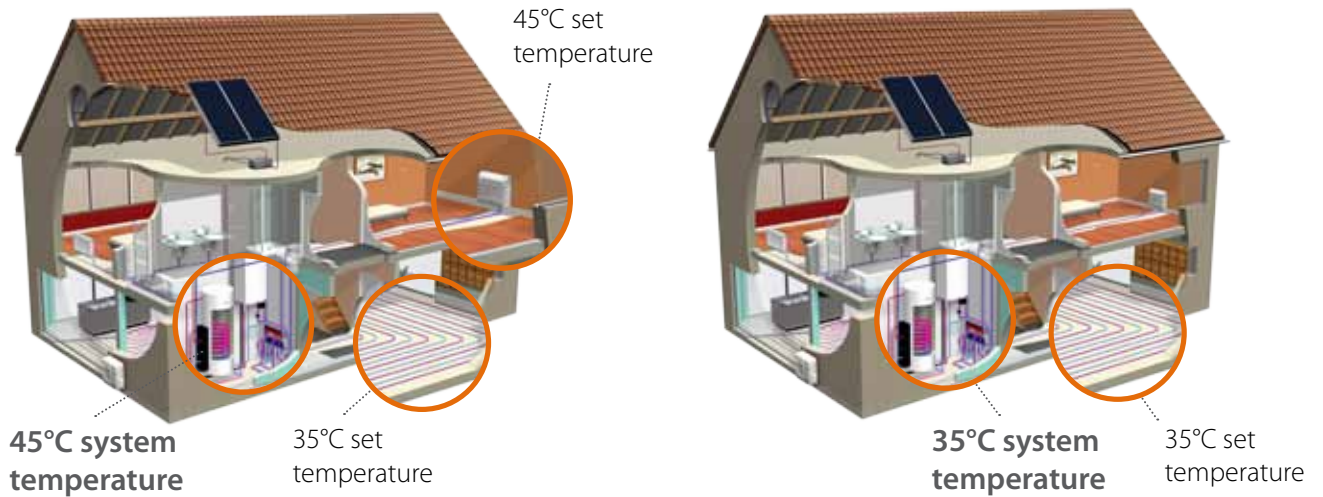
Infrared remote control (Standard)
ARC452A15

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

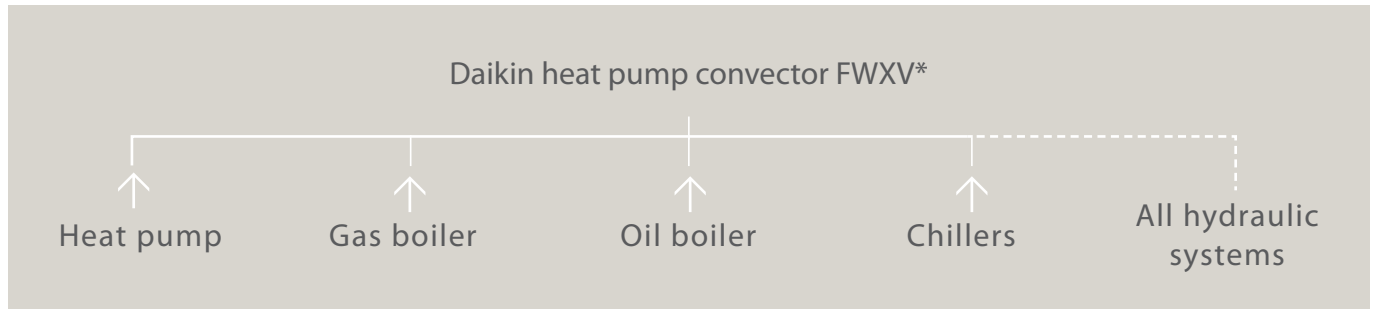


In refurbishment projects, it can be difficult to install a drainpipe. A unique feature of the Daikin heat pump convector is that cooling is still possible without a drainpipe by limiting the water temperature.

| | 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 | | | m ³ /h | 228 | 386 |
| Sound pressure | M | | dB(A) | 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



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.



The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V.. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.



ECPEN10-728 - 250 - 06/10 - Copyright Daikin
Printed on non-chlorinated paper. Prepared by La Movidia, Belgium
Resp. Ed.: Daikin Europe N.V., Zandvoordestraat 300, B-8400 Oostende

FSC

ECPEN10-728

Daikin products are distributed by:

Airflow Services Ltd
Unit 2 Cherrywood Business Park,
Little Island, Co Cork
Tel: 021 4355400
Web: www.airflow.ie
Email: info@airflow.ie