

Renewable energy at its best...

46% savings*



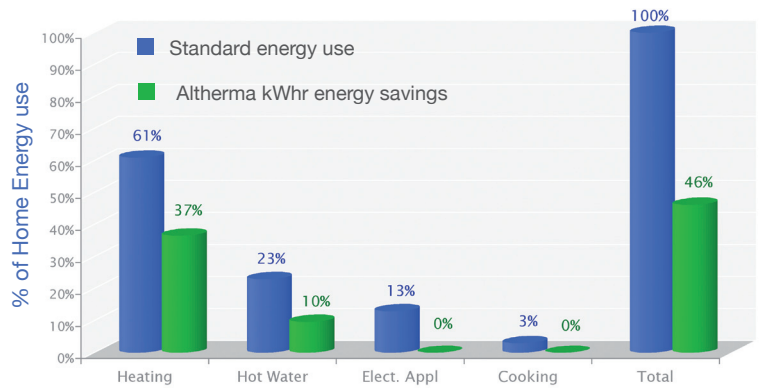
Intelligent Heating System

Reduce your energy consumption simply by replacing your current conventional boiler with an Altherma heat pump. Relax in comfort knowing that your household will have considerably lower bills and reduced CO₂ emissions that are better for our environment. Daikin state-of-the-art air source, air-to-water heat pumps are classified as renewable, low to zero carbon technologies.



A. Absorber B. Boiler C. Cylinder

(A - Outdoor, B - Indoor, C - Optional for hot water)



Altherma energy savings on whole UK household average energy consumption

*The energy consumption is the average across the UK based on BRE/DTI information 2003. Altherma energy savings are based on the SAP 2005 default seasonal efficiency of 250% for air-to-water heat pumps. The Altherma will provide more than 250% seasonal efficiency and up to 450% resulting in even further savings.



The World's Leading Manufacturer of Air Conditioning & Heat Pump Technology.
Space Air Europe's largest independent distributor of Daikin products.

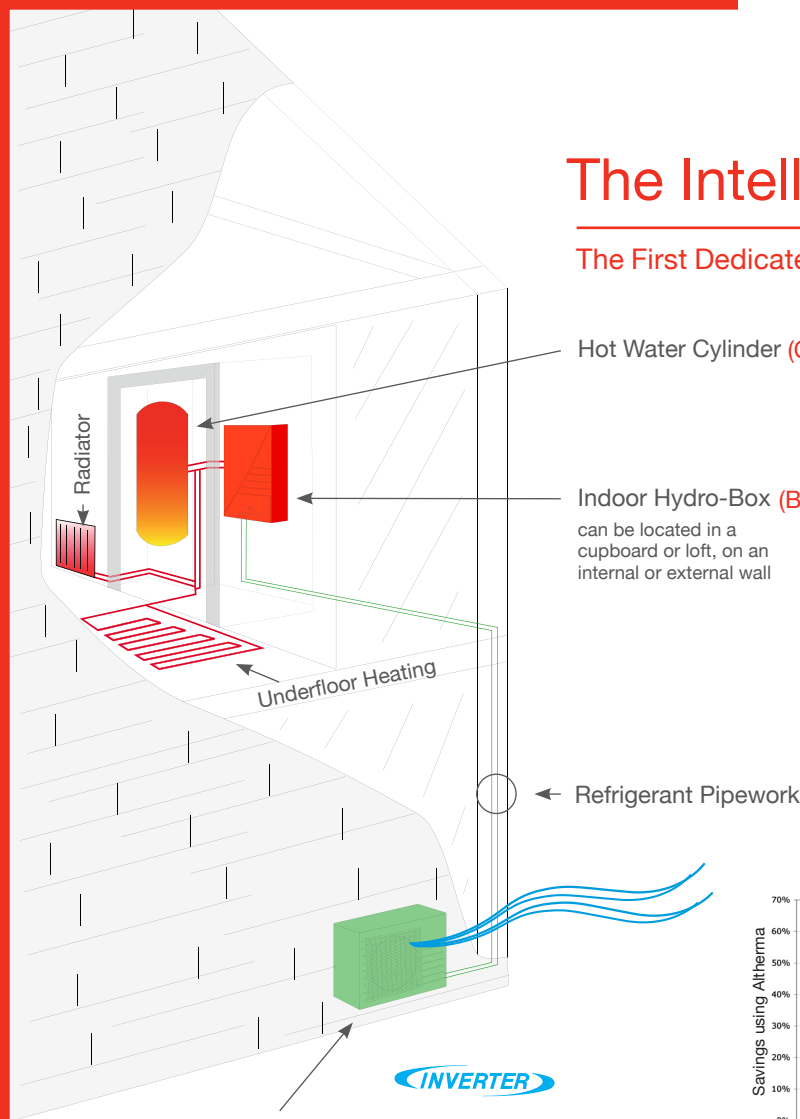


Working with Daikin since 1980
www.spaceairsolutions.co.uk



The Intelligent Heating System

The First Dedicated Inverter Air-to-Water Heat Pump System



Hot Water Cylinder (C)



Heating only



Hot water only

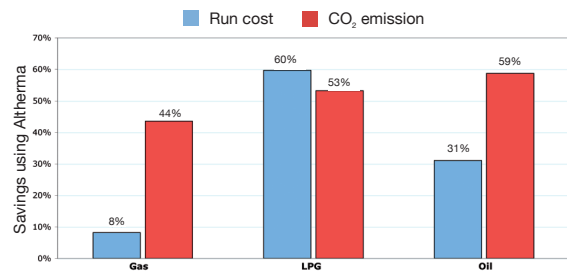


Heating & Hot water

Indoor Hydro-Box (B)

can be located in a cupboard or loft, on an internal or external wall

- 55°C on its own
- High efficiency INVERTER technology
- Simply replaces conventional Gas, LPG, Oil and Electric boilers



- CO₂ emission and fuel costs are based on SAP 2005 data.
- Altherma CO₂ emissions & running costs are based on 320% seasonal efficiency and economy 7 electricity with 40% off peak.
- Data is per kWh of energy consumed.

Outdoor Absorber Unit (A)
(air-to-water Heat Pump)

can be up to 30m away from Hydro-Box

Outdoor Absorber (A)



ERYQ005 (min-nom-max)	4.36 - 5.75 - 7.45kW
ERYQ006 (min-nom-max)	4.36 - 6.84 - 8.79kW
ERYQ007 (min-nom-max)	4.36 - 8.43 - 9.58kW
Dimensions mm (HxWxD)	735x825x300
Power Supply	Single Phase
Refrigerant	R-410A
Min. Ambient	-15°C / -20°C
Max. Ambient	35°C
Efficiency	380% - 430%
SPL*	48 - 52 dBA
Weight (Kg)	56

Capacities are at BSEN14511 conditions: ambient 7°CDB / 6°CWB, condenser 30°C/35°C
*SPL (Sound Pressure Level) at 1m.
Night-set back sound reduction of up to 6dBA

Hydro-Box Indoor Unit (B)



Model (wall mounted)	EKHB007
Dimensions mm (HxWxD)	875x490x300
Power Supply	Single Phase
Condensate Connection	Not required
Pump Max ESP	40kPa
Back-up Heater kW	3
Colour	Natural White
Water Temp. Range	25°C to 55°C
Water connection	1" BSP
Refrigerant pipe connection	1/4", 5/8"
Max. RPW* (metres)	30
Weight (Kg)	61

*RPW: Refrigerant pipe work between Hydro-Box and outdoor unit.

Hot Water Cylinder (C)



Model (floor standing)	EKSWWU
Water Volume (litre)	150 / 200 / 300
Height (mm)	900 / 1150 / 1600
Diameter (mm)	580
Booster Heater kW	3
Power Supply	Single Phase
Colour	Natural White
Tank Weight (Full) (kg)	40 / 49 / 64

The Daikin hot water cylinder is optional and is designed specifically for the Altherma heat pump. The electric heater is positioned above the heat exchanger to maximise the efficiency of the heat pump. Cylinder by other manufacturers can be used provided the auxiliary heater is above the heat exchanger and has a sensor pocket.
(please contact Space Air for further details).

Space Air Head Office:

Willway Court, 1 Opus Park, Moorfield Road, Guildford, Surrey GU1 1SZ.

Space Airconditioning plc is an approved Daikin Distributor since 1980, who are authorised to certify and train contractors in all Daikin manufactured products.

Approved Contractor / Installer: