

Heating
Cooling and
Dehumidifying
all in ONE solution



Digitemp for superior climate control





The **all-in-one solution** for Heating, Cooling and Dehumidifying

Most people have experienced the benefits of climate control in the car or at work. Your customers can now enjoy this comfort at home too with **Digitemp**.

Installing climate control, an advanced form of air conditioning can bring a sense of **comfort** and **style** to a home, fulfilling the expectations of modern family life.

By providing precise control of temperature, humidity and airflow the Digitemp climate control solution can dramatically reduce the effects of asthma allergies and other chest disorders.

Digitemp can contribute towards a good night's sleep by eliminating many of the irritations caused by an uncomfortable climate and poor air quality. By keeping windows closed in summer, security is improved and external noise is significantly reduced.

 **digitemp™**
Superior Climate Control





Digitemp is the new range of revolutionary climate control solutions from Xpelair. An innovative "all-in-one" design, Digitemp requires no external condenser or pipe work usually associated with air conditioning systems.

Operated using an infrared remote control, Digitemp provides a very flexible approach to air temperature control with the facility to automatically cool, dehumidify and heat air by means of efficient air-to-air reverse heat technology. For added flexibility, the stylish "slimline" wall mounted units can be installed at high or low level to maximise floor space.



The benefits of a system that doesn't require an unsightly condenser are clear.

- No need for planning permission to install
- Ideal for use in apartments and multi-storey locations due to cost effective installation
- Potentially suitable for installation in listed buildings
- Only external evidence are two discreet grilles
- No unsightly condenser to tarnish the external façade of the building



Designed for low cost installation, Digitemp is easy to fit by an installer requiring only two holes to an external wall. A patented folding grille system means it can be installed entirely from inside the property making it ideal for use in private dwellings, apartments and multi-storey locations.

key benefits

- Available as an 'all-in-one' air conditioning and heating unit in two sizes - 2.1kW and 2.45kW*
- Also available as a cooling only air conditioning unit in two sizes - 2.1kW and 2.45kW
- All-in-one' models can operate in cooling, dehumidification or heating modes to maximise comfort
- Easy installation from within the room - patented folding grille system eliminates the need for external access
- The electronic control system includes infrared remote control night function and automatic operation
- Can be installed at high or low level for maximum flexibility & usable space
- Economic and efficient, Digitemp operates combining low power consumption when cooling with a high efficiency heating capacity
- Digitemp uses a three speed fan including night mode for super-quiet operation
- Factory sealed refrigerant system eliminates the need to connect hoses
- Self-diagnostic programme for all maintenance requirements
- 2 year warranty

* kW ratings are for cooling mode only. Heating capacity for the 2.1kW and 2.45kW are 1.9kW and 2.03kW respectively.





environmental benefits

Water and space heating account for more than 60 percent of a home's energy cost so, when looking for savings, this is a great place to start!

Digitemp will deliver up to 260% more heating or 200% more cooling energy than it consumes. Using optimum heat pump efficiency, Digitemp can give you 2.6kW of heating or 2.2kW of cooling, using less than 1kW of electricity.

All units benefit from R410a refrigerant, which as well as being the highest performing gas available, has an Ozone Depletion Power (ODP) rating of "0". All these factors combine to give Digitemp a capacity over absorption energy efficiency rating of up to A.

Digitemp is sound insulated resulting in a quiet operation at only 37 decibels. The air quality is improved too; Digitemp uses a fine filter to clean the air, removing irritants like dust and pollen.

Eco-friendly Digitemp creates an indoor environment that is healthy and brings comfort to life.

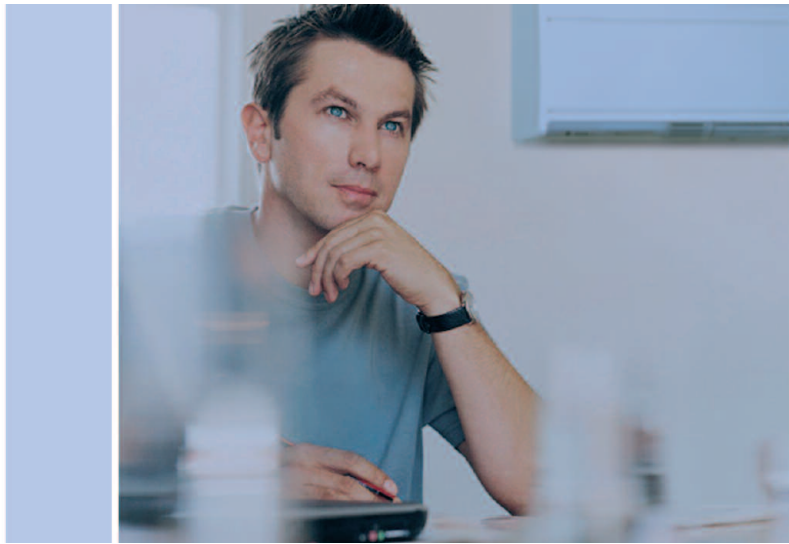
total comfort at your fingertips

The automatic control system provides precise climate control at the press of a button. All operational modes are programmable using the infrared handset - no need to move to adjust the room temperature.

For peace of mind, Digitemp uses an automatic inbuilt diagnostic system which displays the condition of the unit through a series of LED's. The self-diagnostic programme indicates when maintenance is required.

Digitemp has a night function with reduced fan speed for quiet operation to help ensure a restful night's sleep.





the range

Four models are available in the range providing the choice between cooling only and heating or cooling. These are available in two capacities, with a maximum of 2.45kW cooling.



Wall mounted (low or high level) heating, cooling and dehumidifying climate control solutions

COOLING ONLY

AIR CONDITIONING AND HEATING

Catalogue ref.	Unit	91173AA	91174AA	91175AA	91154AA
Product code		WA210	WA245	WHP210	WHP245
Cooling Capacity	kW	2.1	2.45	2.1	2.45
Heating Capacity	kW	-	-	1.9	2.03
EER (Energy Efficiency Ratio)		2.66	2.66	2.23	2.23
COP (Coefficient of Performance)		-	-	2.64	1.88
Max. Absorbed Power Rating	W	930	1320	930	1320
Dehumidification Capacity	l/h	1.0	1.2	1.0	1.2
Energy Efficiency Class	Cooling	A	C	A	C
Energy Efficiency Class	Heating	-	-	C	F
Room Air Volume	m ³ /h	350	390	350	390
Fan Speed Settings		3	3	3	3
Noise Levels	dB(A)	37	39	37	39
Refrigerant	Type	R410a	R410a	R410a	R410a
Max Range of Infrared Remote Control	m	8	8	8	8
Power Supply	Volts	230	230	230	230
	Hz	50	50	50	50
Dimensions (mm)	Width	870	870	870	870
	Height	400	400	400	400
	Depth	280	280	280	280
	Weight	43	46	43	46
Wall Hole diameter (min)	mm	155	155	155	155



installation guide...

Key points to remember.

There are some essential issues relating to the application and installation of the equipment which must be observed for problem free operation:

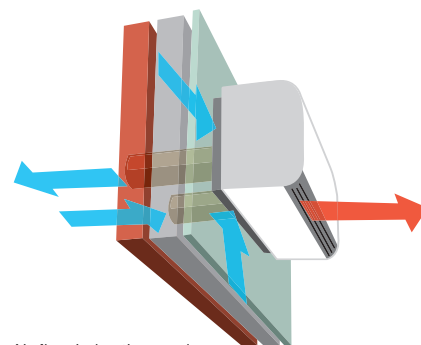
- The maximum length of ducting is one metre
- The unit must be mounted against an outside wall
- Where possible the unit should be positioned towards the centre of the selected wall and check weight specification
- The diameter of the supplied ducting must not be reduced or restricted
- The insulated duct must be used on the right hand side the product (viewed from the outside) and with the insulation adjacent to the rear of the unit
- It is essential that the units are installed perfectly level, failure to do so can lead to malfunction of the drip tray float valve causing water damage
- The units with reverse heat pumps must be provided with a means of drainage since the ice that forms on the coil is melted off every 30 minutes - this cannot be evaporated in the way the other condensate is discharged
- Care must be taken to ensure that the inlet and outlets are not obstructed in any way, such as by plants and bushes
- Only the inlet and outlet grilles supplied with the equipment must be used
- When the unit is mounted at high level, it is necessary to activate the room temperature differentiation function, this compensates for the stratification of heat
- The cored holes must be angled slightly downwards towards the outside to prevent any condensate running back into the unit



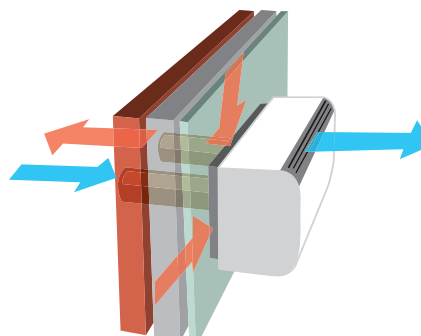
Superior Climate Control

For added flexibility Digitemp can be installed at high or low level to maximise floor space. The refrigerant system is factory sealed so installation does not involve opening the system or connection of any hoses.

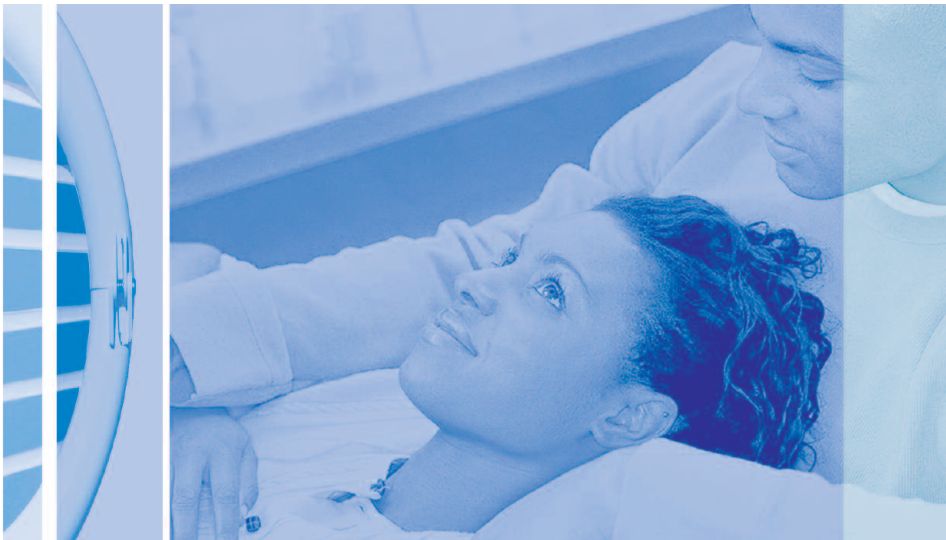
The modular approach means that maintenance only affects one unit / room at a time, the remainder of the building is unaffected.



Air flow in heating mode
(shown on high level installation)



Air flow in cooling mode
(shown on low level installation)



...it couldn't be simpler!

Installing Digitemp from within the room at high or low levels requires only a standard 13 amp electrical supply.

Designed for low cost installation, Digitemp is simple to fit requiring only two discreet holes to an external wall. Using a patented folding grille system, Digitemp can be installed entirely from inside the property making it ideal for apartments and multi-storey locations - eliminating the cost of erecting scaffolding.

When operating in cooling only mode, condensate is removed through water evaporation on the condenser therefore a drainage pipe is not necessary. In models with a heating function, the unit requires condensate to be removed through a small drainage pipe.

Only external evidence is two discreet grilles



- 1** Select the position of the unit (see diagram for optimum positioning). Where possible the unit should be positioned towards the centre of the selected external wall
- 2** Drill holes for vents at a sloping angle to the external wall to allow for drainage in heating mode
- 3** Fix the bracket
- 4** From within the room, feed the discreet folding grilles through the inlet and outlet vents
- 5** Hard wire the unit to a ring main spur



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