



**ALL SEASONS**

Our aim is to provide all sectors of business with short medium or long term Cooling, Heating, Drying and refrigeration solutions.

**Our extensive and modern range of hire equipment includes:**

Air-conditioning, Heating, Dehumidification and Drying, Ventilation and Cooling Fans, Carpet Dryers, Commercial Refrigeration including Display Cabinets, Cold Storage, Ice Cream and Food Display units. We also provide for hire larger Process and Air-conditioning Chillers and Air Handling units, Mobile Boilers and Portable Plant Rooms.

## 50 kW Air Handler



### SPECIFICATIONS

	<b>50 kW Air Handler</b>
Total Capacity (Cooling)	50 kW
Total Capacity (Heating)	100 Kw
Air Flow	4500 m3/hr
Dry Bulb Air Inlet	27°C
Dry Bulb Air Out	15.3
Fluid Inlet Temp	6°C
Fluid Outlet Temp	12°C
Total Unit Height	2250 mm
Total Unit Width	1500 mm
Total Unit Depth	750 mm
Room Air Inlet	Front or Top
Cold Air Outlet	Front Top Louvres or 600mm Duct
Max Cold Air Duct Length	20 metres / 65 feet (x1 Ducts)

Call Us Free on **0800 0828001** or visit **[www.air-conhire.com](http://www.air-conhire.com)**

# How to Choose which air conditioning unit is right for you

There are 4 principle types of portable Air Conditioners, these are:

1. **Evaporative coolers**
2. **Exhaust tube units**
3. **Split type units (refrigerant)**
4. **Split type units (water)**

## Evaporative Coolers

In cases where it is impossible to use either an exhaust tube or a split air-conditioning unit, (normally areas with no outside access, or ceiling void) an evaporative cooler can be used to provide cool air. Evaporative coolers are very efficient and come in a variety of sizes capable of cooling small and large environments.

## Exhaust tube units

With exhaust tube models both the evaporator and condenser are built into the portable unit, the unit is therefore self-contained. Whilst air-conditioning units produce cool air for the desired room it also produces hot exhaust air that needs to be removed. The hot air is removed via the exhaust tube and needs to be dispersed away from the area being cooled. The best solution is to place the exhaust tube outside a window or door, however if this is not possible the vent can be placed into a ceiling void.

## Split type unit

Split or PAC units have both indoor units and outdoor units connected via flexible hoses. The indoor unit produces cool air, and the outdoor unit disperses the hot air. The hoses for these split or PAC units are small, flexible and can be disconnected from the units allowing for easy installation through a small gap in either a door, window or vent.

Once you have established the type of portable air-conditioning unit for your environment you then need to calculate the amount of cooling duty you need, i.e. how many BTU or kW. The heat load for each room can vary considerably. This depends on the number of lights, the number of people, glass area facing the sun, and the presence of computers and other equipment. It is therefore essential to determine the capacity correctly.

However the team at All Seasons will guide you through and advise on the best models for you, simply call **0800 082 8001**

Once you have established the type of portable air-conditioning unit for your environment you then need to calculate the amount of cooling duty you need, i.e. how many BTU or kW. The heat load for each room can vary considerably.