



GUIDE TO TEMPORARY AIR CONDITIONING EVENTS SECTOR

As an events organiser, there is a great deal of pressure on you to provide the best experience for your guests – including creating the right atmosphere. Whether you're hosting an exhibition, a sporting event, a wedding or a corporate function, the need to instil a comfortable environment for attendees remains constant. This means ensuring that the temperature inside your building, marquee or arena is appropriately controlled at all times to help make your event memorable for the right reasons.

Maintaining a cool ambient temperature could be the difference between your event being considered a success or a failure, such is the perceived significance of having a climate control solution that works. Even the most lavish surroundings can quickly appear unwelcoming if people are too hot, at which point any scope for making a good impression has already faded.

Every event is different, so there's no foolproof one-size-fits-all course of action that suits every customer. For this reason, we highly recommend that you discuss your requirements with one of our experts who will be familiar with your sector and know precisely which steps to take. Failure to implement the correct measures will not only lead to complaints and the unwanted distraction of negative attention, but it will also almost certainly lead to your visitors reconsidering whether they would wish to attend future events.

Neglecting something as fundamental as a temporary source of air conditioning not only puts your reputation in jeopardy, but also gives competitors in your industry an edge. Significant advances in technology now mean that there is always an option available to you, no matter how obscure your situation may seem at first glance.



How does a Temporary Air Conditioner work and what are their benefits?

Portable air conditioners work similarly to other air conditioning systems, by drawing warm air into the unit before passing it over an evaporator to cool the air. This cooled air is then blown back into the room and the warm air is expelled via a duct or heat exchange unit.

One of the main benefits of portable air conditioners, and what differentiates them from permanent cooling systems, is their mobility. Regardless of the cooling requirement, a portable air conditioner will be able to satisfy it without necessitating the implementation of a costly permanent installation. Other benefits include:

- More affordable than installing a conventional air conditioning system
- Minimal installation
- Much more energy efficient than a central air conditioner
- Dual-purpose of not only cooling air, but dehumidifying air

It is critical to assess the size of the area being cooled by the portable cooling equipment. If you need assistance in sizing your space, a portable air conditioning expert would be a great resource. Make sure your provider offers a free no obligation site survey.

Portable air conditioners are available in many sizes and configurations, generally from a 2kW 230V unit for small spaces right up to a 17kW 415V unit for larger spaces.

Here are a few factors to consider when sizing a portable air conditioner:

- Size of space being cooled
- Level of insulation
- Available power supply
- Internal heat loads such as electrical equipment, people and lighting
- Whether the portable cooling unit(s) will be installed inside or outside the space



Types of Temporary Air Conditioners

AIR-COOLED portable air conditioners pump in cool air and exhaust warm air from the condenser coil. The condenser is exhausted/ducted out of the space using flexible duct. The warm condenser air is most typically exhausted out of a window or ducted into a ventilated ceiling void.



Because of the ease of installation, air-cooled portable units are most often the system of choice for smaller indoor events.

WATER-COOLED (split units) portable air conditioners operate similarly to air-cooled models, except, instead of air, water is circulated through the condenser coil of the unit by connecting to a heat exchange unit which normally sits outside. These units have a wide variety of applications and are ideal for IT & server rooms. The PAC 22 unit was specifically designed with IT facilities in mind. Water-cooled systems do not require exhaust ducts, so they are often specified when there is not a convenient way to exhaust hot air out of the room. Typical applications include larger indoor events with no opening windows.

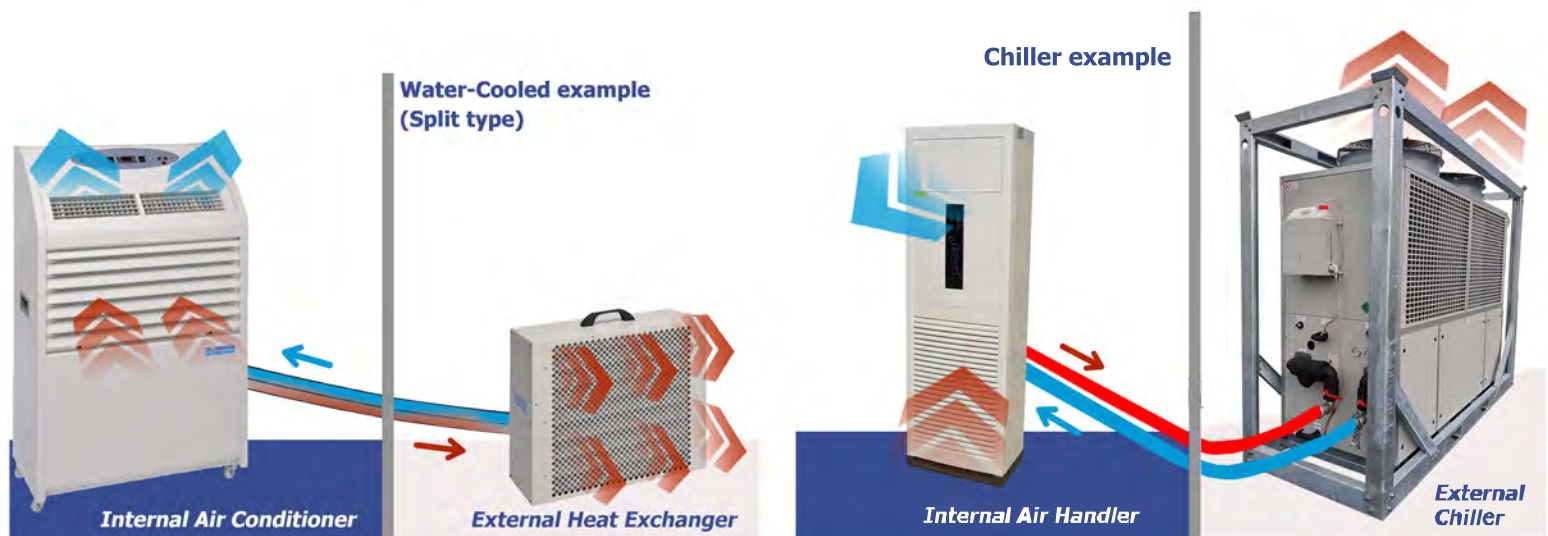


CHILLERS represent a practical alternative to using multiple air conditioning units of lower capacity and are often preferred where high volumes of cooling are needed. With chillers ranging between 30kW and 750kW, you can be confident in our ability to propose a hire that caters for the specific requirements of your event.



Andrews have provided high-capacity cooling with our portable chillers at many major events, such as large pop and rock concerts and sporting events.

HIGH PERFORMANCE air conditioners are ideal for cooling large spaces, with our HPAC models offering capacities of either 30kW, 45kW or 90kW. These units are commonly used for corporate events and reducing temperatures inside marquees, with their air recirculation feature particularly popular with clients due to the overall efficiency of operation. Some of our units can also supply heating to an area, providing an all in one solution when the temperature is unpredictable.



Selecting a Temporary Air Conditioning supplier

With countless portable cooling equipment suppliers out there, how do you select the right one? Here are a few questions to ask when evaluating your options:

- Will the provider assist in determining your cooling needs and size the right equipment for your specific application?
- Does the provider offer delivery and installation as well as a set-up service?
- Does the provider offer both hire and purchase options?
- Does the provider have ample stock of equipment to meet your needs at a moment's notice?
- Does the provider offer a 24/7 emergency response service?
- Is your supplier accredited to ISO 9001:, ISO 14001: and OHSAS?
- Does your supplier have a national coverage?
- Can your supplier deliver same day?
- Will your supplier respond to breakdowns within 4 hours?

Your temporary cooling equipment supplier should be an integral partner for all facility, maintenance and estate managers in the healthcare sector. The supplier should provide you with the knowledge, expertise and confidence to successfully cool your next project.

