



MOBILE AIR TO AIR HEAT PUMPS FROM ACR CHILLER RENT

Two acr mobile ventilation units each with 80kW cooling and heating capacity (image: acr)

2-in-1 rental solution for heating and cooling

Whether air conditioning in the 30°C heat of summer or heating at a cool outdoor temperature of 5°C – the mobile ventilation systems by acr chiller rent provide the optimal temperature level in all industries and applications. Quick and easily installed, a rental unit serves for cooling and heating.

When a production hall or in a storage room must be brought to an optimum temperature level, the climatic conditions can be optimized effectively by the mobile air-air heat pumps by acr. These combination units are characterized not only by their quick and easy installation.

They guarantee flexibility in operation, since they can be toggled in the blink of an eye from the cooling into the heating mode. When heating, heat is taken from the ambient air and by way of the electric heat pump fed to the inlet air.

Advantages:

- Heating and cooling with only one unit
- Very compact size
- Quick installation and simple operation
- Unit is immediately available for operation
- Electrical connection via CEE-Connector
- Air distribution via air hoses

To cool, the air is directed over a direct expansion coil by a powerful radial drum fan, cooled, and blown into the building's interior, halls or tents. Usually the air is transported thru impermeable hoses, which can be quickly and easily installed and are above all suitable for temporary solutions. Optionally permeable textile air hoses are available for the optimal air distribution inside the building, which ensure draught-free distribution. The 2-in-1 device uses air as a heat transfer medium. Thus, no intermediate heat exchanger are required, as with cold water systems. In the morning or at cool ambient temperatures the machines in "Free cooling" can be operated very sparingly; the cold ambient air is used for cooling, the compressors are switched off. The electrical con-

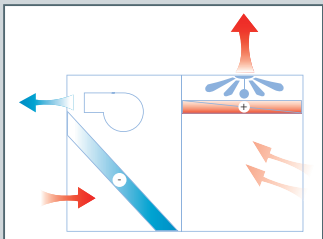
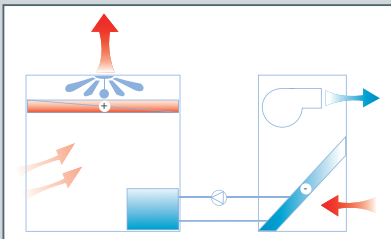
nection is quick and easy, by way of CEE plugs and flexible electrical cables. When planning to install one or more devices be sure that sufficient ventilation and free space are available and the access to the device is possible without any problems. For special air quality requirements, Z-line air filter in various filter classes are optionally available. These can be simply inserted in the ventilation panels and can be easily replaced. The devices can be loaded and unloaded via forklift or, if necessary, by crane. In winter, the proportion of re-circulating air is automatically increased so that higher heat outputs can be achieved with little additional energy consumption. At extremely low ambient temperatures, the operation of an additional heater is recommended.

The areas of application of the mobile ventilation systems of acr are manifold:

In offices, server rooms, at events in tents, as well as in production and warehouses, either the existing capacity of cooling / heating capacity is increased or the supply over a freely selectable period wholly or partially substituted. All rental solutions for a fast and reliable air conditioning also increase the productivity, liquidity and competitiveness of the company.

The power range of the 2-in-1 aggregate of acr chiller rent extends from 50 up to 110kW cooling / heating capacity per unit.

For more information,
www.acr-rent.de

SYSTEM COMPARISON	ACR VENTILATION SYSTEMS	CHILLER + RECIRCULATION COOLER
		
Power range	Up to 100 kW per unit	Chiller up to 2,000 kW per unit Recirculation cooler up to 100 kW per unit
Number of devices	1	2
Air distribution	Air hoses	Fan Coils (chilled water)
Heat transfer medium	Air	Water
Heat pump function	Yes	Optional
Risk of frost damage	No	Water operated ... Yes Glycol operated ... No
Free cooling	Yes	No
Installation	Ventilation system and air hoses	Chiller, cold water hoses and Fan coils