

DANTHERM GROUP

Dantherm[®] CLIMATE SOLUTIONS

ACT 7

Air-conditioner

When in need of temporary small-scale cooling, an efficient and easily implemented solution is required. The ACT 7 mobile water-cooled air-conditioner can deliver efficient cooling in a matter of minutes with no cooling knowledge or special training required to install the unit.



Dantherm ACT 7



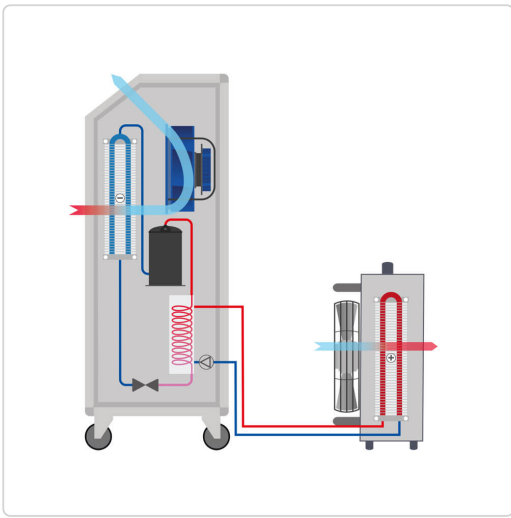
Dantherm ACT Hex and connection tube



Dantherm ACT 7 hex



Dantherm ACT 7 with Hex



Dantherm ACT 7 diagram



Dantherm ACT 7 controls



Dantherm ACT 7 office



Dantherm ACT 7 hex outdoor



Dantherm ACT 7 gym



Dantherm ACT 7 factory

Key features

- ✓ Sturdy metal construction
- ✓ High-efficiency cooling circuit
- ✓ Can be installed without prior training
- ✓ Quick-connect cooling line connectors
- ✓ Indoor unit with step-less variable fan speed and adjustable grille
- ✓ Up to 30 meter installation distance between indoor and outdoor units
- ✓ Slim water and glycol hose connection eliminates need for large air ducts

Whether the requirement is to cool down a retail space, marquee, warehouse or even an office where the existing air-conditioning system has broken down, the ACT 7 will get the job done. With its robust and lightweight build, it is ideally suited to withstand the wear and tear characterising the rental market.

Whole-room cooling

In contrast to most air-cooled units, the ACT 7 will provide whole-room cooling without the need to continually exhaust internal air.

In addition, the unit does not require mounting of an exhaust air duct to an outside wall. Getting the ACT 7 up and running is simply a matter of connecting the cooling line connectors to the outdoor heat rejection unit.

How it works

The ACT 7 absorbs the heat into a refrigerant cooling system. From there, the heat is transferred to the self-containing chilled water/glycol system. It is then pumped through to the outdoor unit where the water is cooled and the heat dissipates.

The indoor unit is connected to the outdoor unit via two 22mm quick-connect, self-sealing flexible hoses. These hoses are supplied in 5m or 15m lengths and can be connected to a maximum length of 30m.

Control panel

Cooling mode switch

Select either 'recirculation' or 'air-conditioning' mode. In 'air-conditioning' mode, the electronic thermostat automatically controls the room temperature at the cooling set point from 8°C to 35°C.

LCD display panel

Shows the actual and set point temperature, operation modes and equipment status including any alarms. The cooling set point can be adjusted using the display.

Fan speed control dial

Step-less adjustment of air flow for maximum comfort.

Product specifications

Specifications	Units	ACT 7 (EU)
Operating range – inside temperature	°C	8-35
Operating range – outside temperature	°C	0-40
Air flow internal (step-less variable)	m ³ /h	930 -1310
Power supply	V/Hz	230/1ph/50
Fuse	A	16
Nominal running current	A	11.2
Nominal power consumption	kW	2.6
Cooling capacity	kW	7
Sound level @ 3m (max. speed)	dB(A)	56
Product size (h x w x d)	mm	1070 x 852 x 420
Weight – indoor unit	kg	117

Specifications	Units	ACT 7 (UK)
Operating range – inside temperature	°C	8-35
Operating range – outside temperature	°C	0-35
Air flow internal (step-less variable)	m ³ /h	930 -1310
Power supply	V/Hz	230/1ph/50
Fuse	A	13

Specifications	Units	ACT 7 (UK)
Nominal running current	A	11
Nominal power consumption	kW	2.5
Cooling capacity	kW	7
Sound level @ 3m (max. speed)	dB(A)	56
Product size (h x w x d)	mm	1070 x 852 x 420
Weight - indoor unit	kg	117