



## Mobile Heating and Cooling



*Combat zone tent city. Soldiers and equipment battle the elements. All Dantherm units are combat zone proven and highly reliable.*

# Optimal comfort in any climate around the world

Tactical command centres – Communication centres – Accommodation – Field hospitals – Relief camps – Containers

Dantherm mobile heating and cooling units are specially developed and built for use by the military and relief agencies in focal points around the world. In order to secure a comfortable climate where soldiers and rescue teams work and sleep, both groups require equipment that operates flawlessly at maximum load even under extreme weather conditions. This is why the thoroughly tested and well-documented heating and cooling units from Dantherm are preferred by a considerable number of NATO forces and Non-Governmental Organizations.

## Ease of mind

Dantherm not only offers reliable and virtually maintenance-free products that make field operations run smoother and

the soldiers and NGO field workers more comfortable. We also provide ease of mind by assisting procurement specialists size heating and cooling requirements. Furthermore, part of our technical competence is to advice on the spare parts needed to secure smooth operations in distant corners of the world – for any given period of time.

## NATO Standard

Dantherm mobile units conform to all NATO requirements and norms and are chosen as the NATO standard. All units and accessories are allocated global NATO stock numbers (NSN) for easy integration into national logistics and supply channels or programs. This makes ordering of our products much easier.

## Forever pursuing the ideal

No one knows what it takes to maintain a comfortable climate in the field better than the soldiers and rescue teams who work, live and sleep there. The development team at Dantherm is always looking to design new products or improve on existing ones to meet the requirements of those who use them on an everyday basis.



VAM 15 MK II heater



ACM 5 MK II mounted in trap door system.



ACM 11 air conditioner



ACM 18 air conditioner



VAM 40 MK II heater



ACM 7 MK II air conditioner



ACM 18 CBRN air conditioner



*High altitude operations under extreme conditions require extreme reliability.*

# Reliable operations below freezing point

Dantherm mobile heating units are ideal for heating tents and other temporary accommodation and operate flawlessly at temperatures as low as -40° Celsius.

Equally suitable for heating military equipment the units can ready for example helicopters for more quick use. Moreover, Dantherm mobile heating units are among the most lightweight on the market. They are easy to carry and can be fitted with runners to make transport over rough terrain more handy.



## Easy installation

Dantherm mobile heating units can easily be installed by one person and without the use of tools. All units can be augmented with a wide range of Dantherm accessories, including air distribution hoses to ensure a perfect distribution of warm air.



## Flexible hoses

The insulated, flexible air hoses used by all Dantherm mobile heating units come in various lengths, designed to suit any camp layout. They have military grade reinforcing wire and provide flexibility even at -degrees. A further advantage of the Dantherm air hoses is the minimum of leakage at the joining points.



## Efficiency in logistics

Dantherm mobile heating units are stackable and can easily be fastened to air freight pallet. This makes handling and transportation much more convenient. One 436L air freight pallet will carry 12 x VAM 40 units with room left for hose and accessory storage.



## Easy transport

Mobile heating units from Dantherm are compact and made to be moved and re-installed in no time. They feature either a hardened lifting point for a crane and/or built-in rails for lifting with a fork truck.



## Operation

All Dantherm units are multifuel (diesel) capable which gives commanders great flexibility. Due to a specially designed suction pump the fuel tanks can simply be placed on the ground near the heating units. This makes refueling of the supply tanks easier. The optional VAM diesel generator makes it possible to have heat in even the most remote places.



## Ready equipment

Dantherm mobile heating units are developed not only for heating tents and containers but also for heating military equipment such as helicopters. Heated equipment suffers less wear and tear and can be readied for use more quickly, ensuring quicker response times that can be crucial in focal points.



*Row upon row of combat zone proven ACMs provide cool air in hot difficult environmental conditions.*

# Stay cool under hot skies

One of the greatest enemies for soldiers and NGO staff is fatigue. Particularly in geographical areas where heat is always present. Therefore it is vital that the climate where the personnel work and sleep is comfortable. Dantherm cooling units are ideal for cooling tents, containers and other temporary buildings. Also, they ensure that electronic equipment stays cool and functions impeccably – even when the temperatures outside reach up to +60° Celsius.



## **Reliable performance**

Dantherm cooling units are easy to adapt to local conditions and are placed either outside the tent or half inside and half outside. Using only the best components in all our units ensures reliable products and flawless performances even in roughest geographical areas.



## **Easy installation**

Dantherm mobile cooling units for air conditioning are moved and re-installed in no time and can be set up by one person without the use of tools. Even the more stationary models, used in environments such as technical containers, housing and offices, are designed for quick installation and removal.



## **Air conditioning mobility**

Mobility is of great importance in military camps. By nature they are temporary set-ups and and therefore. Dantherm mobile cooling units can easily be positioned by the soldiers or relief teams without the use of cranes or other facilities.



## **Perfect indoor temperature**

Specially designed air distribution hoses ensure a perfect distribution of cooled air throughout the tent and are just one of many Dantherm accessories that can augment the cooling units. If operations take place in areas with extreme differences in day-time and night-time temperatures, for instance deserts, all cooling units can be supplied with a built-in heat source.



## **Flexible container cooling**

Specially designed for military containers, the Dantherm cooling unit hangs on rails and is pushed outside of the container when in use. During transport the unit is pushed back in and the trap door locked. Air conditioning provides a cool environment for electronic equipment, so that break-downs and other operational disturbances are avoided.



## **Optimise the cooling performance**

In order to optimise the effect, the Dantherm cooling units - and ideally also the hoses - must be placed adjacent to the tent with hoses as short as possible on the outside to minimise solar radiation, thus increasing total application performance. Solar shielding of the cooling unit and hoses will further increase performance.



## Comfortable surroundings in any climate



Since 1958 Dantherm Air Handling has developed and produced climate control and air handling solutions that ensure optimum conditions for people and sensitive equipment alike. No climate is too extreme for us to handle – from the bitter cold at the North and South Poles to the searing heat of the Sahara.

Our core business areas are dehumidification, heating, air conditioning, ventilation and electronics cooling. Innovative, durable and cost-efficient products have secured us a position as a leading global manufacturer of stationary and mobile climate control units. And we are forever pursuing new techniques that will improve our solutions and ultimately your projects.

Our Head Office is located in Denmark, and we have companies in Denmark, Norway, Sweden, the United Kingdom, the United States and China, with an extensive European dealer network.

Dantherm Air Handling is part of the Dantherm A/S group.

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