



## Dantherm AC-M25 – tent cooler

### Tent cooler

The AC-M25 unit is designed and manufactured to provide air conditioning and heating in deployable tents, shelters and temporary buildings. It is a powerful, compact unit made from aluminum sheet metal and built into a rigid steel frame. The unit is deployed outside the shelter, with ducted air supply and return air. For heating, the AC-M25 is equipped with electric resistance coils.

The function of the AC-M25 is based on a cooling circuit and two powerful fans. The evaporator section contains the evaporator and a radial fan, which draws warm internal air of the tent through the cold evaporator and blows out the cooled air through the side of the unit. The condenser section has large microchannel coil and a large axial fan.

All sheet metal parts are protected against corrosion by a minimum 60µm topcoat.

View our range of [air cooling units](#) and [tent coolers](#) suitable for all types of application and commercial purpose on any scale.



AC M25



AC M25 1



AC M25 2



AC M25 3

## Key features

- ✓ The AC-M25 is a monobloc climate control system for operation in the harshest conditions
- ✓ 93,000 BTU air conditioning and 16 kw heating
- ✓ Easy set up and operation without tools
- ✓ Capable of maintaining a shelter temperature at 68-77°F at ambient temperatures from -26 to +131°F
- ✓ Strong metal frame, galv. steel sheet metal, powder coated, with insulated panels where relevant
- ✓ Standard NATO green or sand color
- ✓ Two-way forklift handling
- ✓ Easy strap-down on-air cargo pallets and stackable (two units on top of each other)
- ✓ In warehouses, the stack height is 3 units
- ✓ Designed for optimal utilization of a standard 20 ft container
- ✓ Fresh air intake
- ✓ Dual filters in front of internal air intake as an option Standard G4 (MERV7) filter with optional F7 (MERV13) filter in dual filter slot. Filters are easily accessible from side panel
- ✓ Insulated flexible ducts for supply and return air openings
- ✓ Thermostat placed inside the tent (accessory)
- ✓ Sequential start-up of more units possible
- ✓ Automatic phase surveillance
- ✓ Scroll compressor for high reliability and low noise level
- ✓ Micro coils in condenser section

- ✓ HP/LP pressure switches ensuring long compressor lifetime
- ✓ Low voltage control circuit
- ✓ Refrigerant R513a with GW on 631
- ✓ Compliant with EPA refrigerant requirements (40 C.F.R. § 84.54)
- ✓ QPSus certification for U.S. market

## Product Specifications (imperial)

Specifications	Units	AC-M25 (60Hz)
Registered NSN – NATO Stock Number	-	Yes
Operating temperature range, cooling	°F	+68 – +131
Operating temperature range, heating	°F	-26 – +68
Air flow	CFM	2354
Fresh air intake (adjustable damper)	CFM	0 to 335
Sound level @ 1.5m / 5ft	dB(A)	69
Protection class	NEMA	3R
Refrigerant / quantity	lbs	R513A / 11
Global Warning Potential	AR4	631
Nominal cooling capacity	BTU	93000
Heating capacity electrical	BTU	20500/54600
Power supply	V/Hz	208/3ph/60
Max. running current, cooling/heating	A	38 / 48
Locked rotor amperage (LRA)	A	209
Max Inrush current with softstarter	A	170
Main plug, IEC/EN 60 309	A	60
Hose connection	Øin	18
Product size (h x l x w)	In	41.69 x 60.87 x 41.93

Specifications	Units	AC-M25 (60Hz)
Weight	lbs	732

  

Product Specifications (metric)		
Specifications	Units	AC-M25 (60 Hz)
Registered NSN – NATO Stock Number	-	Yes
Operating temperature range, cooling	°C	+20 – +55
Operating temperature range, heating	°C	-32 – +20
Air flow	m <sup>3</sup> /h	4000
Fresh air intake (adjustable damper)	m <sup>3</sup> /h	0 to 570
Sound level @ 1.5m / 5ft	dB(A)	69
Protection class	IP	IP55
Refrigerant / quantity	kg	R513A / 5.0
Global Warning Potential	AR4	631
Nominal cooling capacity	kW	27.2
Heating capacity electrical	kW	6/16
Power supply	V/Hz	208/3ph/60
Max. running current, cooling/heating	A	38 / 48
Locked rotor amperage (LRA)	A	209
Max Inrush current with softstarter	A	170
Main plug, IEC/EN 60 309	A	60
Hose connection	Ømm	457
Product size (h x l x w)	mm	1059 x 1546 x 1065
Weight	kg	332

# Suitable for

- ▲ Camps and field hospitals
- ▲ Events and festivals
- ▲ Military and aerospace