

AIR CONDITIONER AC-M 5W



FUNCTION

The AC-M 5W has been specially designed for military containers. Together with the trap door system the air conditioner is mounted inside the container. The AC-M 5W is hanging on rails in the trap door system and will be pushed outside of the container when in use. During transport, or when not in use the unit can be pushed back into the container and the trap door locked.

The function of the AC-M 5W is based on a cooling circuit and two powerful fans. The evaporator section contains the evaporator and an radial fan, which draws the warm internal air of the container through the cold evaporator and blows out the cooled air through the discharge grill. The condenser section contains the axial fan and the condenser, which is returning the heat taken from the internal air to the outside atmosphere.

FEATURES

- The AC-M5 W is built into a cabinet manufactured from 0,9 mm galvanized and powder coated steel sheet.
- Top finish painting is standard NATO green, RAL 6014.
- Can provide cooling at ambient temperatures up to +55°C
- Scroll compressor for high degree of reliability and low noise level.
- Environment-friendly R134a refrigerant.
- HP pressostat switching off the unit at too high ambient temperatures.
- Easily controlled by a room thermostat placed inside the container
- Two speed selector for the internal fan
- "VENT-only" option, allowing ventilation without cooling.
- Fresh air intake
- Coarse filters in front of internal air intake as well as in front of external air intake and fresh air intake
- Easy mounting into the trap door system, either by four lifting handles, one in each corner of the unit, or by a special lifting system (accessory).
- The trap door serves as protection against rain and extreme sun when the unit is operating (accessory).
- During transport the AC-M 5W is stored inside the container.
- CE-marked

ACCESSORIES

- Trap door system
- Welding frame for corrugated container
- Lifting system



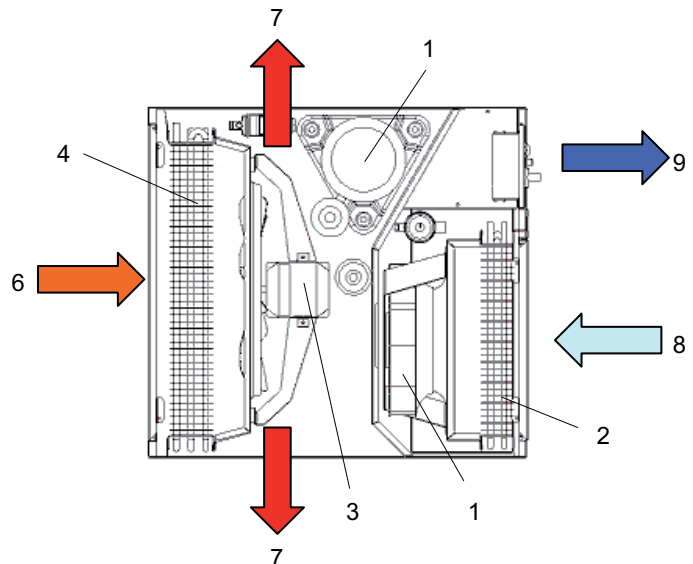
TECHNICAL DATA

NATO Stock Number		4120-22-602-6562
Operating range, ambient temperature	°C	20-55°C
Airflow, internal, step I / II	m ³ /h	420 / 700
Airflow, fresh air intake, step I / II	m ³ /h	37 / 60
Airflow, external	m ³ /h	1400
Max. cooling capacity*	kW	4,9
Cooling capacity at 55/55°C 30% r.h.	kW	4,6
Cooling capacity at 35/35°C 30% r.h.	kW	3,6
Power supply	V/Hz	1x230 / 50
Max. running current	A	9,8
Max. power consumption	kW	2,3
Refrigerant / quantity	kg	R 134a / 1,4
Filter material		PPI 15
Protection class	IP	X4
Noise level, 1 m distance, step I / II	dB(A)	56 / 62
Weight	kg	80

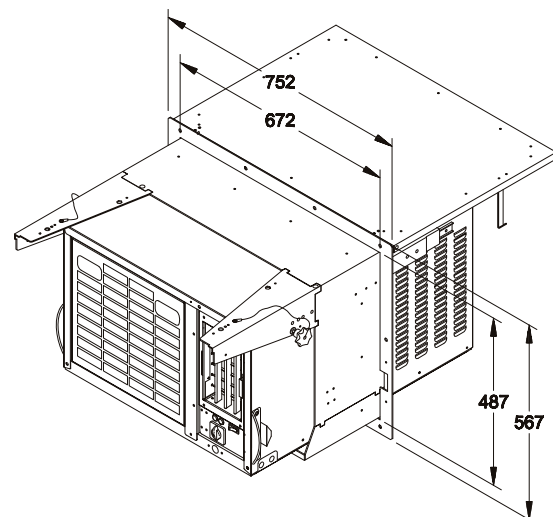
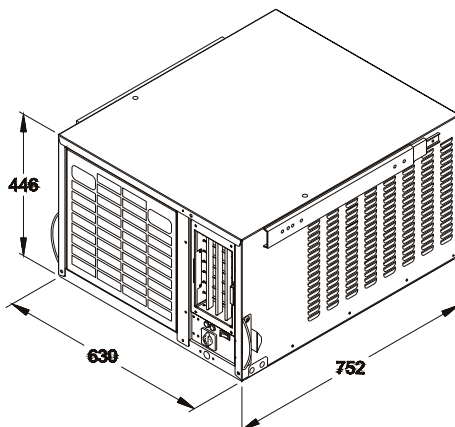
* The cooling capacity can change considerably depending on air temperature and humidity.

UNIT COMPONENTS AND AIRFLOW

1	Internal fan
2	Evaporator
3	External fan
4	Condenser
5	Compressor
6	External air intake
7	External air discharge
8	Internal warm air intake
9	Internal cooled air discharge



DIMENSIONS



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