



AC-M16 AIR CONDITIONER

Function

The AC-M16 Air Conditioner is a transportable unit, developed primarily to provide air conditioning in temporary or transportable buildings or tents. It is a small light weight unit made of aluminum and a rigid steel corner frame. The unit is designed to be placed outside, with supply air and return air ducted to the shelter.

The function of the AC-M16 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 from the shelter, through the cold evaporator and blows out the cooled air through the side of the unit. The condenser section contains one condenser coil and a large axial fan, returning the heat taken from the internal air to the outside atmosphere.

Sheet metal parts are protected against corrosion by a minimum 80µm top coat.

FEATURES

- The AC-M16 is capable of maintaining the shelter temperature at +20-25°C when the shelter is built accordingly.
- Designed for optimal utilisation of a standard 20" ISO container (16 pcs.).
- The AC-M16 is built into a strong metal frame with insulated panels which are powder coated, where relevant.
- Top finish painting is standard sand colour.
- Designed for air conditioning when the temperature is above 20°C. It can provide cooling at ambient temperatures up to +55°C.
- Scroll compressor for a high degree of reliability and low noise level.
- Automatic phase surveillance.
- Sequential start of units possible.
- R134a refrigerant.
- HP/LP pressostat switches ensuring long compressor lifetime.
- Controlled by a hard wired room thermostat to be placed inside the shelter.
- Washable steel/aluminum filter on internal air path.
- Fresh air intake.
- Four way fork lift handling.
- Easy strap down on air cargo pallets and stackable (two units on top of each other).
- Insulated flexible ducts Ø315 mm for exhaust and return air openings. (Accessory)
- Low voltage control circuit.
- CE-marked.
- ErP 2015 compliant.

ACCESSORIES

- Insulated duct Ø315mm
- Uninsulated ducts Ø315mm (flexible duct and air distribution duct)
- Storage bags for uninsulated ducts
- Cover for the unit
- Ground rod
- Wheels and wheel bracket (which can also hold the room thermostat during transportation)

TECHNICAL DATA

Air conditioner

Nato Stock Number w/o heat
Operating range, cooling
Airflow, internal, with ducts
Nominal Cooling capacity*
Power supply
Power supply plug type
Max. running current (cooling)
Locked rotor amperage (LRA)
Power consumption (cooling tested)
Refrigerant/quantity **
Filter material
Protection class
Flex. air duct connection
Noise level, aircon 3m distance, measured in shelter
Weight

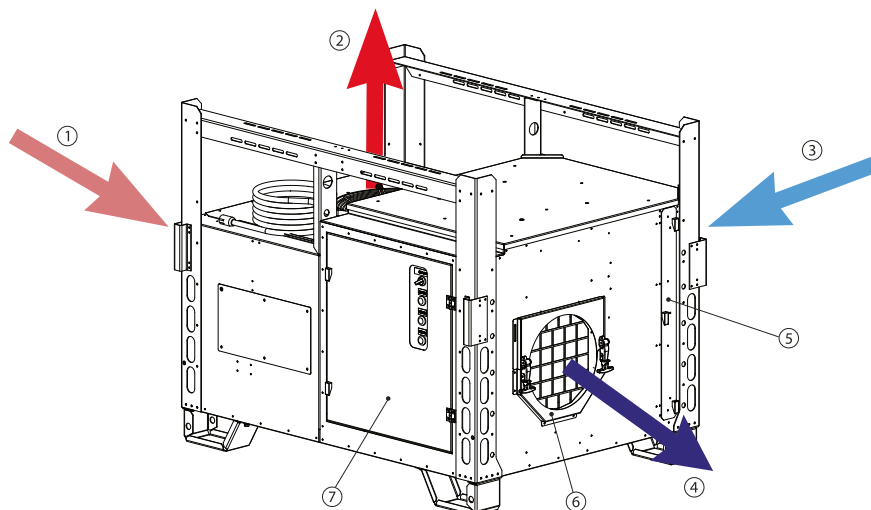
	AC-M16
NSN	4120-22-629-3848
°C	20-55
m ³ /h	2200
kW/BTU	15/51000
V/Hz	3x400/50
type	16A CEE, 3P+N+E 400V, IP44
A	13
A	73
W	7700/variable
kg	R 134a/4,1
EN 779	G3
IP	X5
Ømm	315
dB(A)	59
kg	220

*Performance varies with varying conditions

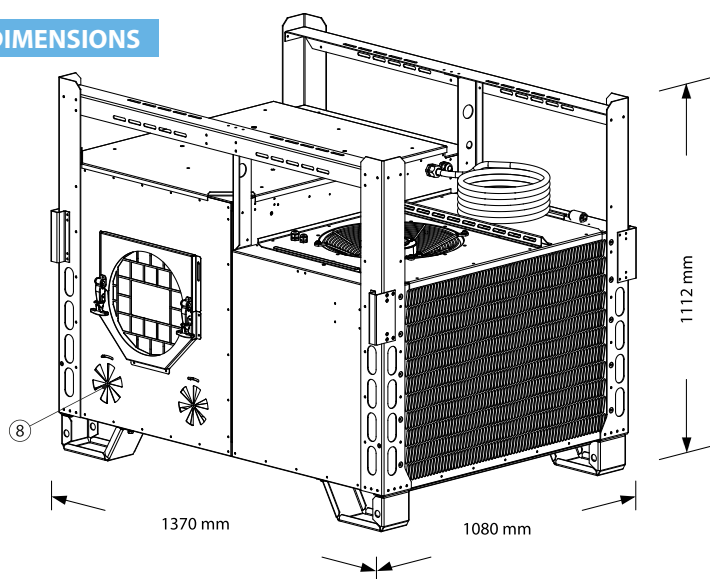
** GWP 1430 (hermetically sealed).

Unit components and airflow

1. Condenser air intake
2. Condenser air discharge
3. Warm air intake
4. Cooled air discharge
5. Filter system
6. Duct coupling (Ø315 mm)
7. Electric panel w. cover
8. Fresh air intake (adjustable)



DIMENSIONS



Power supply plug.