



AC-M7MKII with 1xØ315 mm opening



AC-M7MKII with 2xØ225 mm openings



### AC-M7MKII AIR CONDITIONER

#### Function

The AC-M7MKII Air Conditioner is a transportable unit, developed primarily to provide air conditioning in temporary or transportable buildings or tents. The AC-M7MKII is designed to be placed outside, with supply air and return air ducted either to one tent (1xØ315) or two tents (2xØ225).

The function of the AC-M7MKII is based on a cooling circuit and two powerful centrifugal fans. The upper section contains the evaporator and evaporator fan, which draws warm ambient or recirculated air through the cold evaporator coil and supply the cooled air through the discharge into the room. The lower section of the unit houses the condenser fan and condenser coil, which return the heat taken from the cooled air to the surrounding atmosphere.

The standard version of AC-M7MKII is equipped with an electric heating coil, to provide heating for example in night time when temperatures can fall under 20°C.

### FEATURES

- The AC-M7MKII 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.
- Environment-friendly R134a refrigerant.
- High/low pressure pressostat switch ensuring long compressor lifetime.
- 7.2 kW electric heating coil.
- Connect to the mains power supply or a separate diesel generator through a 15 m power cable with CEE plug.
- VENT-only option, allowing supply of fresh outdoor air or circulating the indoor air, even when cooling is not needed.
- Temperature control by a room thermostat placed inside the tent.
- Washable and easy removable coarse filters in front of internal air intake as well as in front of external air intake.
- Inlet and discharge openings for one Ø315mm insulated flexible duct, alternatively for two Ø225mm, thus allowing the air-conditioning unit itself to be set up outside. These ducts are extra accessories.
- Easy transportation, either by forklift, the four lifting hooks on top of the unit or with the two wheels.
- Setup and operation can be done by a single person.
- Removable wheels, which can be stowed on top of the unit.
- CE-marked.
- ErP 2015 compliant.

### ACCESSORIES

- Remote thermostat with cable, 15 m
- Insulated, flexible air duct Ø315x3000 mm incl. bag
- Non insulated, flexible duct Ø315x5000 mm
- Non insulated, flexible air distribution duct Ø315x5000 mm
- Non insulated, flexible air distribution extension duct Ø315x2000mm
- Insulated, flexible duct Ø225x3000 mm
- Storage bag for insulated duct Ø225 mm
- Non insulated, flexible air distribution duct Ø225x6000 mm

## TECHNICAL DATA

### Air Conditioner

Nato Stock Number (without / with heating)  
Operating range (cooling), ambient temperature  
Operating range (heating), ambient temperature  
Airflow, internal (free blowing)  
Airflow, internal (with air distribution system)  
Airflow, external  
Max. cooling capacity\*  
Power supply plug (see picture below)  
Cooling capacity @ 55/55°C 30% r.h.  
Cooling capacity @ 35/35°C 30% r.h.  
Heating capacity (with heating coil)  
Power supply  
Max. running current (cooling / heating)  
Locked rotor amperage (LRA)  
Max. power consumption (cooling / heating)  
Refrigerant/quantity\*\*  
Filter material  
Protection class  
Flex. air duct connection  
Noise level, 1,5m distance  
Weight

### AC-M7MKII

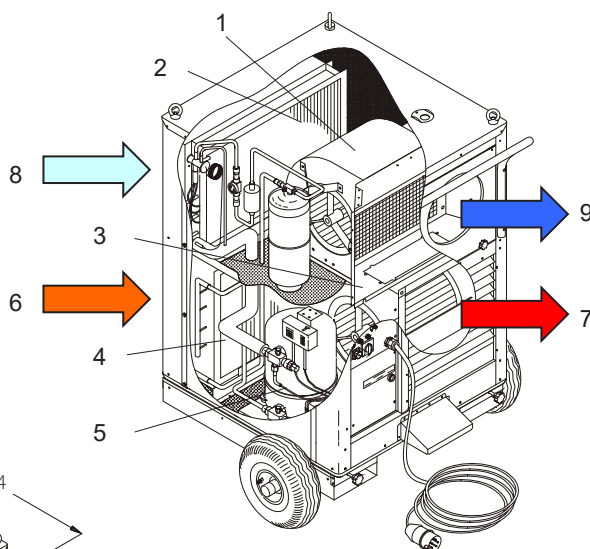
NSN 4120-22-608-4874  
°C 20-55  
°C -20-(+20)  
m³/h 2500  
m³/h 1800  
m³/h 2500  
kW/BTU 7,6/26000  
type 16A EE, 3P+N+E 400V, IP44  
kW/BTU 7,3/25000  
kW/BTU 6,1/21000  
kW/BTU 7,2/25000  
V/Hz 3 x 400 / 50  
A 7,2 / 13,4  
A 24  
W 3700 / 7700  
kg R 134a / 3.0  
PPI 15  
IP X4  
Ø mm 1x315 or 2x225  
dB(A) 69  
kg 190

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

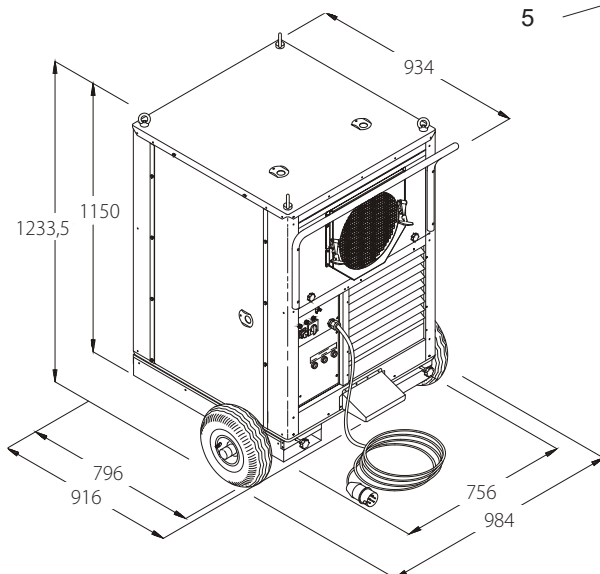
\*\*GWP 1430 (hermetically sealed).

### 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



Dimensions in mm.



Power supply plug.