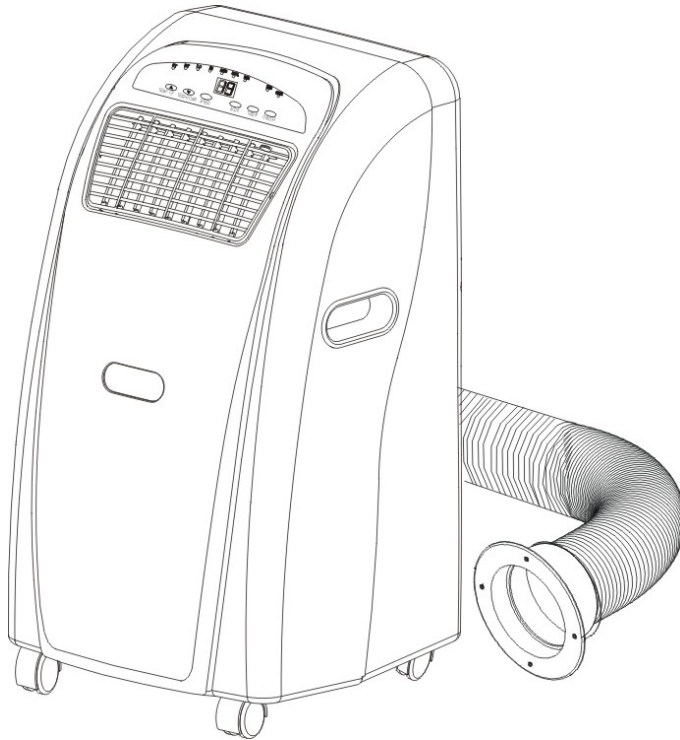


PORTABLE AIR CONDITIONER

Instruction Manual



AC-N6KM		AC-N6KR	
AC-N6KMH		AC-N6KRH	
AC-N9KM		AC-N9KR	
AC-N9KMH		AC-N9KRH	
AC-N12KM		AC-N12KR	
AC-N12KMH		AC-N12KRH	

★Read and retain these instructions for future reference

SPECIFICATION

Model no.	AC-N6KM, AC-N6KMH AC-N6KR, AC-N6KRH	AC-N9KM, AC-N9KMH AC-N9KR, AC-N9KRH	AC-N12KM, AC-N12KMH AC-N12KR, AC-N12KRH
Cooling capacity	6000 BTU/hr 1510 Kcal/hr 1758 watts	9000 BTU/hr 2268 Kcal/hr 2637 watts	12000 BTU/hr 3024 Kcal/hr 3529 watts
Heating capacity	6800 BTU/hr 1700 Kcal/hr 2000 watts	10000 BTU/hr 2520 Kcal/hr 2930 watts	12500 BTU/hr 3150 Kcal/hr 3676 watts
Power/Ampere consumption for cooling*	530W/ 2.38A	830W/ 3.9A	850W/ 4.2A
Power/Ampere consumption for heating*	630W/ 2.8A	910W/ 4.25A	960W/ 4.5A
Air volume (max. speed)	440m ³ /h	470m ³ /h	520m ³ /h
Humidity removal capacity	21.6L/day	26.4L/day	31.2L/day
Recommended room size	12m ²	18m ²	24m ²
Power supply	230V/50Hz/1phase		
Compressor	rotary		
Refrigerant	R-22 or R-407C (Please refer to the rating label.)		
Refrigerant load*	440 g	470 g	480 g
Fan speed	2		
Timer	mechanical switch 1 ~ 8 hours electronic switch 1~ 12 hours		
Thermostat	18 ~ 32°C		
Net Weight	27 kgs	29 kgs	31 kgs
Dimension	400 x 377 x 750 mm (WxDxH)		

REMARK:

1. Heating capacity is only for the model with heating function, i.e. model no. AC-N6KMH, AC-N6KRH, AC-N9KMH, AC-N9KRH, AC-N12KMH, AC-N12KRH.
 2. The data marked with '*' may vary for technical reasons: for greater precision, please refer to the rating label placed at the back of the unit.
 3. Measuring condition for above is: Cooling - RT27°C, RH60%
Heating - RT20°C, RH60%
- *RT means room temperature, RH means room humidity.

BEFORE USE

GENERAL SAFETY

- ONLY USE IN THE UPRIGHT POSITION ON A FLAT LEVEL SURFACE AND AT LEAST 50cm FROM ANY OBJECTS (Fig 1 & 4).
- DO NOT PLACE OBJECTS ON THE UNIT OR RESTRICT AIR INLET / OUTLET (FIG. 2).
- CLOSELY SUPERVISE ANY CHILDREN AND PETS WHEN UNIT IS IN USE.

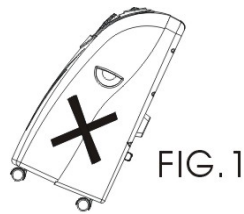


FIG. 1



FIG. 2



FIG. 3

ELECTRICAL SAFETY

- FOR INDOOR USE ONLY.
- SWITCH OFF AND UNPLUG WHEN NOT IN USE.
- DO NOT USE IN HUMID OR WET ENVIRONMENTS (FIG 3)
- DO NOT PULL THE UNIT ALONG BY THE CORD.
- IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY AN ELECTRICIAN OR SIMILARLY QUALIFIED PERSON, TO AVOID HAZARD.

FOR MAXIMUM EFFICIENCY

- Do not exceed the recommended room size 50m³ (typically 20m² floor area)
- Close doors and windows
- Keep curtains of blinds closed during the sunniest part of the day
- Keep filters clean
- Once room has reached the desired conditions, reduce temperature and ventilation settings

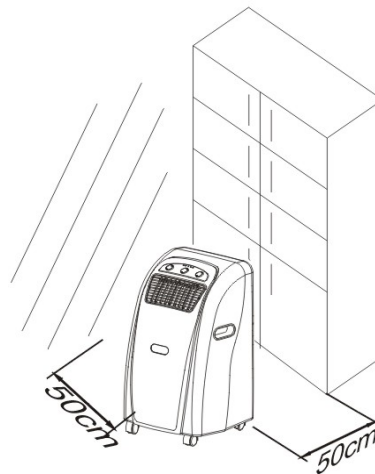
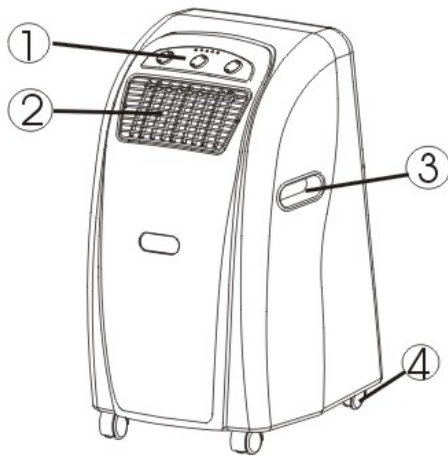


FIG. 4

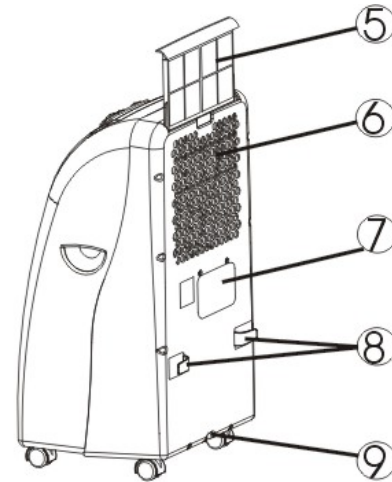
PARTS

Front



1. Control Panel (see page 5 for picture of panel)
2. Air outlet
3. Carrying handle
4. Caster

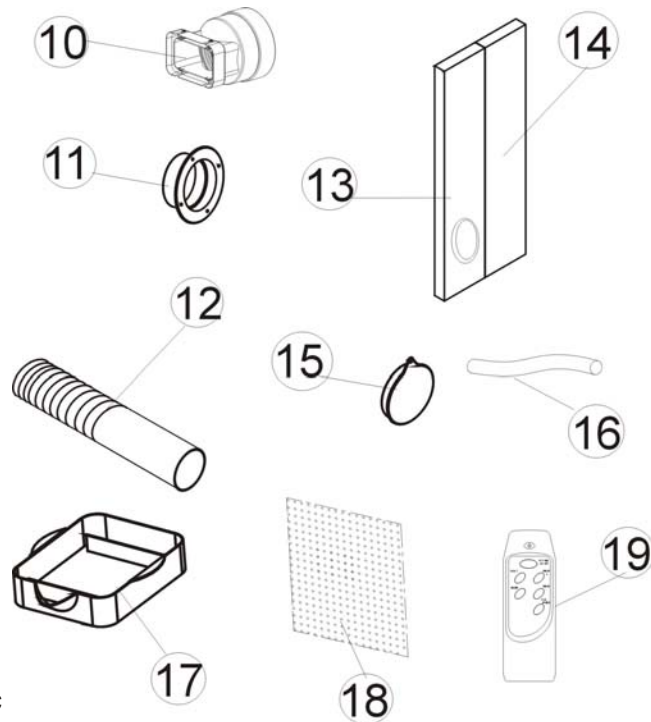
Back



5. Air filter
6. Air inlet
7. Exhaust air outlet
8. Cord storage
9. Water stopper / drainage point

Accessories

10. Inward adaptor - for insertion over hose and into back of the air conditioner.
11. Outward adaptor - for insertion over hose and into foam strip (or into hole in the wall/window).
12. Exhaust hose
13. Foam strip - for filling the open window space and with hole for connection to exhaust hose.
14. Foam strip - for filling the open window space
15. Round cap for filling the hole in wall/window.
16. Drain tube for continuous drainage
17. Water tray
18. Active carbon filter
19. Remote control (for electronic type only)

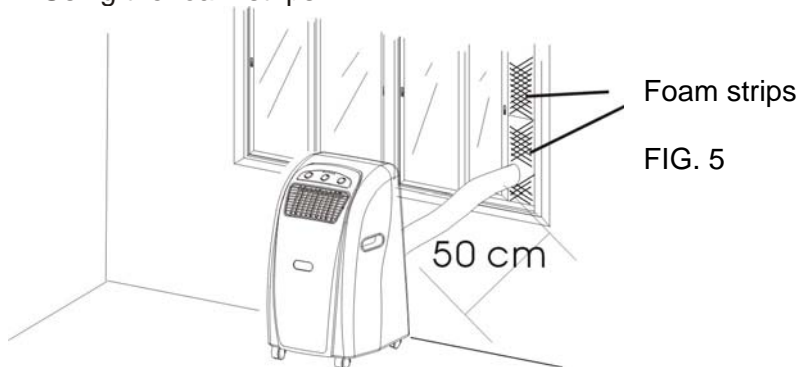


INSTALLATION

Installation of the exhaust pipe

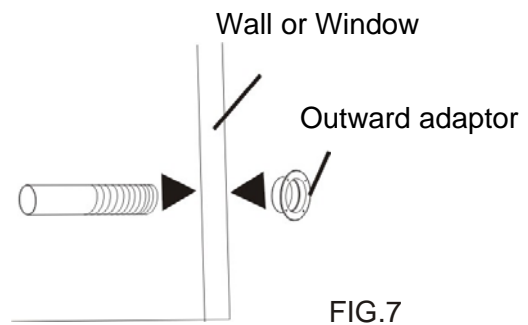
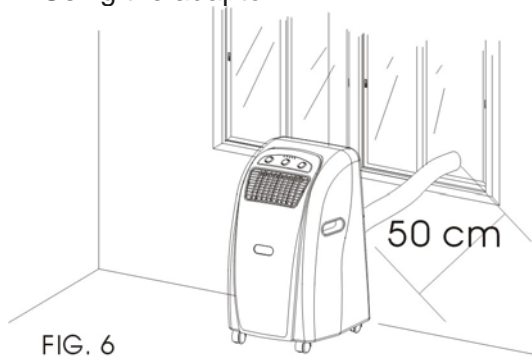
The unit is a portable air conditioner that may be moved from room to room.

1. Using the foam strips



- Offer foam strips to the window gap and cut to size if necessary.
- Feed exhaust hose through the foam strip and insert strip into window gaps as shown and slide window across so that foam is held securely. This technique may also be used for sash windows. Note: Take care to maintain protection against intruders

2. Using the adaptor



- Cut a 130mm diameter hole in the wall or window.
- Feed exhaust hose through the window or wall and attach the threaded adaptor from the outside as shown.
- When not in use, plug the hole with the cover provided.

Mounting of the exhaust pipe

- Use only the hose provided and clip exhaust hose and unit adaptor to the back of the air conditioner
- Avoid kinks and bends in the exhaust hose as this will cause expelled moist air to build up causing the unit to overheat and shut down. Fig 8 & 9 show correct position
- The hose may be extended from 300mm to 1500mm but for maximum efficiency use the shortest length possible.

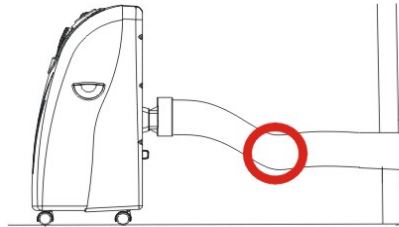


FIG. 8

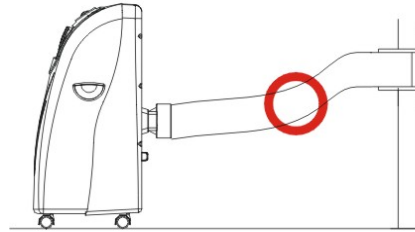


FIG.9

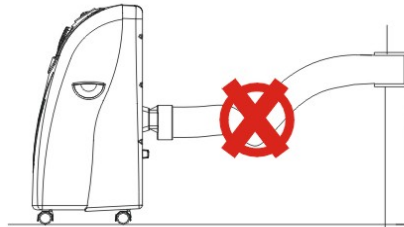


FIG.10

WARNING!

The length of the exhaust pipe is specially designed according to the specification of this product. Do not replace or prolong it with your own private hose as this could cause the unit to malfunction.

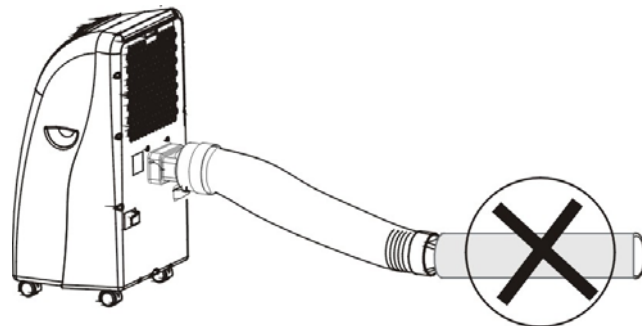
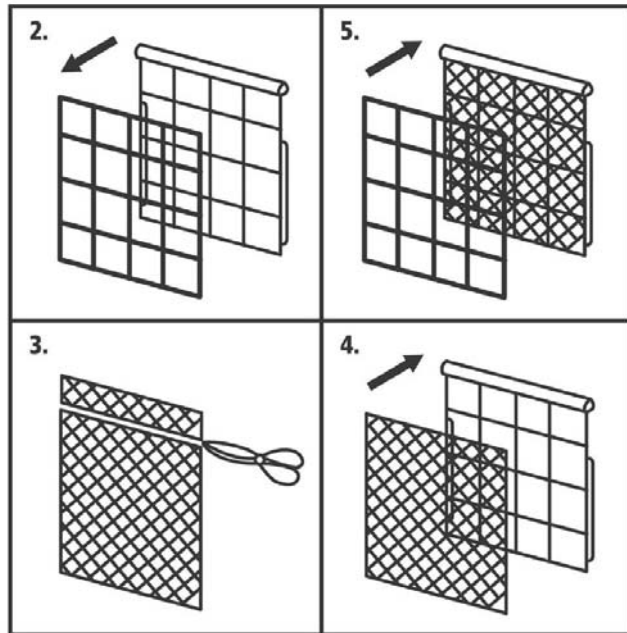
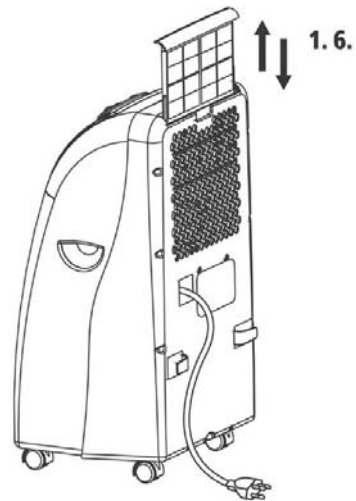


FIG.11

Installation of the carbon filter

1. Remove the filter frame from the unit.
2. Separate the filter fixer from the filter frame.
3. Remove the active carbon filter from its plastic bag.
4. Insert the active carbon filter into the filter frame.
5. Fix the filter by reassembling the fixer onto the filter frame.
6. Re-fit the filter frame inside the unit.



OPERATION for mechanical type

Cooling only model

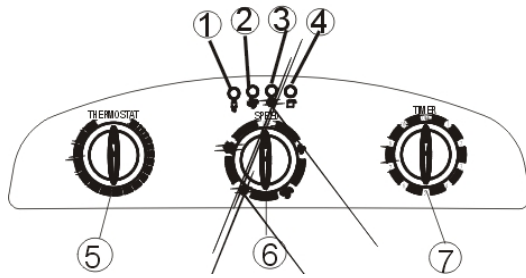


FIG. 12

1. Power indicator
2. Fan operating indicator
3. Cooling operating indicator
4. 'Full water' indicator
5. Thermostat
6. Speed switch with options for - LOW FAN, HIGH FAN, LOW COOL, HIGH COOL
7. Timer (1-8 hours) as well as ON/OFF switch

Cooling & heating model

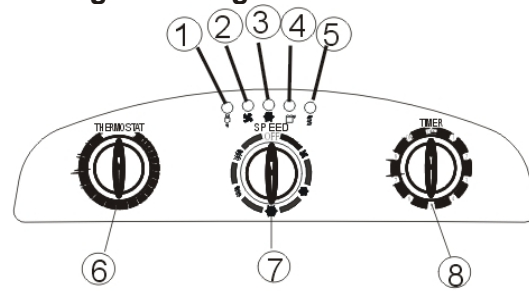


FIG.13

1. Power indicator
2. Fan operating indicator
3. Cooling operating indicator
4. 'Full water' indicator
5. Heating operating indicator
6. Thermostat
7. Speed switch with options for - FAN, LOW COOL, HIGH COOL, LOW HEAT, HIGH HEAT.
8. Timer (1-8 hours) as well as ON/OFF switch

Turning ON/OFF

Set **TIMER** to **ON** for continuous operation (the unit will operate as long as it is not turned off).

Power indicator comes on.

To turn off the unit, turn the **TIMER** to **OFF** position.

Setting function / ventilation speed

Cooling only models

Turn the speed switch to select required setting:

LOW FAN, HIGH FAN, LOW COOL, HIGH COOL

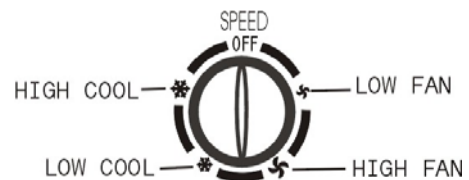
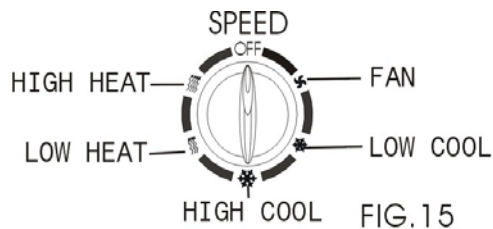


FIG.14

Cooling & heating models
 Turn the speed switch to select required setting:
 FAN, LOW COOL, HIGH COOL,
 LOW HEAT, HIGH HEAT



Setting temperature

Turn the THERMOSTAT to regulate the temperature you desired. The cooling intensity is increasing clockwise..

Set timer

Set the TIMER to the desired operating time (1 to 8 hours). When the set time has been reached, the machine will shut off automatically.

Regulating air flow direction

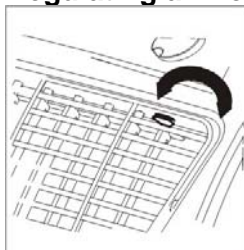


FIG. 16

Turn the roller on the air vent to control the air flow direction of the vertical louvers.

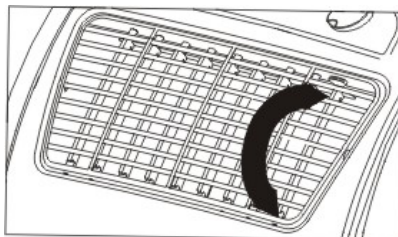


FIG.17

Move the air vent directly to adjust the air flow direction of the horizontal louvers.

NOTICE !

1. To prolong the compressor's life, after switch-off of the unit, please wait for 3 minutes (at least) before re-switch.
2. The cooling system will switch off if the ambient temperature is lower than the set one. The ventilation, however, keeps working on the set level. If the ambient temperature rises above the selected level, the cooling will return to work.
3. On the contrary, the heating will switch off if the ambient temperature is HIGHER than the set one (still, the ventilation keeps working on the set level). As the ambient temperature drops below the selected level, the heating will return to work.
4. This machine is equipped with ANTI-FROST function. While using the heating function during low temperature, sometimes the heating will stop for a while in order to melt the frost. As this occurs, just wait for the heating returns to work.