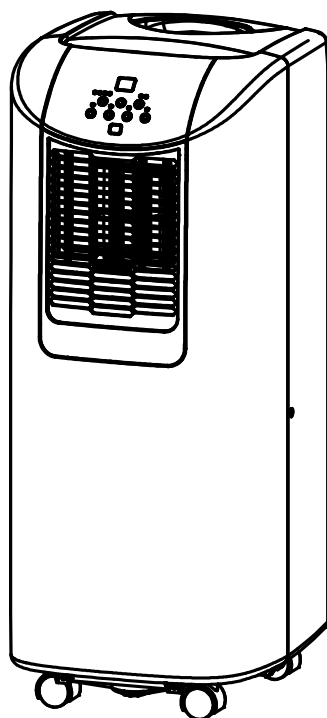


Excelair

By Excelsior

PORTABLE AIR CONDITIONER

Instruction Manual for EPA101A



CE

SPECIFICATION

Model no.	EPA101A	
Cooling capacity	2.6kW	
Power/Ampere consumption	900W	
Air volume (max. speed)	330m ³ /h	
Humidity removal capacity	0.8 L/hr	
Power supply	220~240V/50Hz	
Compressor	rotary	
Refrigerant	R-410A	
Fan speed	2	
Timer	1~12 hours	
Working temperature	Cooling	18 ~ 32°C
	Heating	7 ~ 25°C
Exhaust pipe	Ø 150x150mm	
Net Weight	22 kg	
Dimension	305 x 383 x 752 mm (WxDxH)	

NOTE:

- Measuring condition for above is as per EN 14511 :
 - Cooling – DB=35°C , WB=24°CDB = temperature of dry bulb = room temperature
WB = temperature of wet bulb = relative humidity.
- Test condition for data in our rating label is as per safety regulation: EN 60335-2-40
- Current & Fuse : F2L250V or T2L250V

BEFORE USE

- FOR INDOOR USE ONLY.
- DO NOT USE IN CABINET, CLOSET, BOATS, CARAVANS OR SIMILAR LOCATIONS.
- LEAVE THE UNIT TO STAND FOR 12 HOURS BEFORE CONNECTING TO THE MAINS SUPPLY AFTER TRANSPORT OR WHEN IT HAS BEEN TILTED (E.G. DURING CLEANING).
- ONLY USE IN THE UPRIGHT POSITION ON A FLAT LEVEL SURFACE AND AT LEAST 50cm FROM ANY OBJECTS (Fig 1 & 4).
- DO NOT USE THE UNIT IN A POTENTIALLY EXPLOSIVE ENVIRONMENT CONTAINING COMBUSTIBLE LIQUIDS, GASES OR DUSTS.
- DO NOT USE THE UNIT NEAR SWIMMING POOLS, WASHROOMS OR SIMILAR WET AREAS.
- DO NOT PLACE OBJECTS ON THE UNIT OR RESTRICT AIR INLET / OUTLET.
- ENSURE THAT THERE IS AT LEAST 50CM BETWEEN THE SIDES OF THE APPLIANCE AND ANY FLAMMABLE, HEATING MATERIALS.
- KEEP THE UNIT AWAY FROM WATER.
- CLOSELY SUPERVISE ANY CHILDREN AND PETS WHEN UNIT IS IN USE.
- THIS APPLIANCE IS NOT INTENDED FOR USE BY PERSONS (INCLUDING CHILDREN) WITH REDUCED PHYSICAL , SENSORY OR MENTAL CAPABILITIES, OR LACK OF EXPERIENCE AND KNOWLEDGE , UNLESS THEY HAVE BEEN GIVEN SUPERVISION OR INSTRUCTION CONCERNING USE OF THE APPLIANCE BY A PERSON RESPONSIBLE FOR THEIR SAFETY. CHILDREN SHOULD BE SUPERVISED TO ENSURE THAT THEY DO NOT PLAY WITH APPLIANCE.
- SWITCH OFF AND UNPLUG WHEN NOT IN USE.
- DO NOT PULL THE UNIT ALONG BY THE CORD.
- AVOID OVER-TWISTING, -COILING, -PULLING THE POWER CORD, NEVER USE NYLON OR IRON WIRE TO TIDE THE POWER CORD.

- NEVER REACH TO RETRIEVE THE UNIT IF IT HAS FALLEN IN WATER. IN SUCH CASE, IMMEDIATELY PULL THE PLUG. HAVE THE UNIT CHECKED BEFORE USING IT AGAIN.
- DO NOT USE EXTENSION CORDS.
- IF THE SUPPLY CORD IS DAMAGED, IT MUST BE REPLACED BY AN ELECTRICIAN OR SIMILARLY QUALIFIED PERSON, TO AVOID HAZARD.
- THE MAINS SUPPLY MUST CONFORM TO THE SPECIFICATION SHOWN ON THE RATING PLATE AT THE BACK OF THE UNIT.
- THE APPLIANCE SHALL BE INSTALLED IN ACCORDANCE WITH NATIONAL WIRING REGULATIONS.
- DO NOT EXCEED THE RECOMMENDED ROOM SIZE FOR MAX. EFFICIENCY.
- CLOSE THE DOORS AND WINDOWS.
- KEEP CURTAINS OR BLINDS CLOSED DURING THE SUNNIEST PART OF THE DAY.
- KEEP FILTERS CLEAN.
- ONCE ROOM HAS REACHED THE DESIRED CONDITIONS, REDUCE TEMPERATURE AND VENTILATION SETTING.
- SUGGEST TO SEND THE UNIT FOR PROFESSIONAL MAINTENANCE PERIODICALLY.
- ONLY A LICENSED PROFESSIONAL IS ALLOWED TO DISMANTLE OR MODIFY THE APPLIANCE.
- THE MACHINE IS TO BE USED ONLY FOR ITS PRESCRIBED PURPOSE. ANY OTHER USE IS DEEMED TO BE A CASE OF MISUSE. THE USER/OPERATOR, NOT THE MANUFACTURER WILL BE LIABLE FOR ANY DAMAGE OR INJURIES OF ANY KIND CAUSED AS A RESULT OF THIS

PARTS

Front

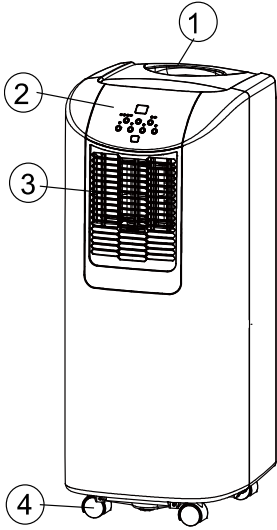


FIG.1

1. Carrying handle
2. Control panel
3. Air outlet
4. Caster

Back

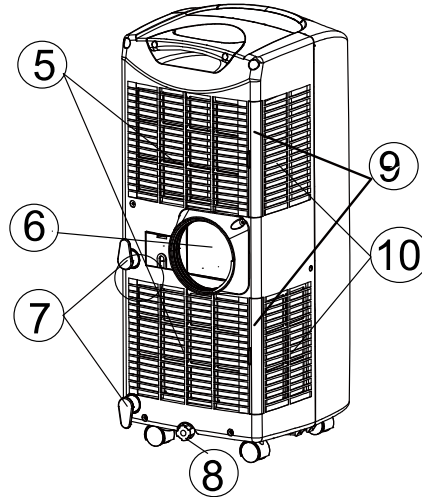


FIG.2

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

Accessories

11. Outward adapter - for insertion over hose and into the window slide.
12. Exhaust pipe.
13. Active carbon filter
14. Extendable window slide - for filling the open window space and with hole for connection to exhaust hose.
15. Drain tube for continuous drainage
16. Remote control

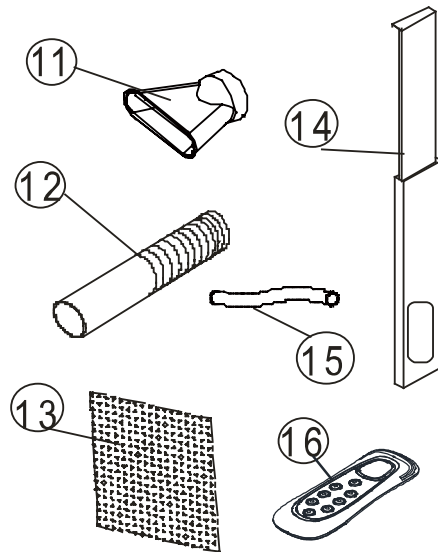


FIG.3

INSTALLATION

Installation of the window slide

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

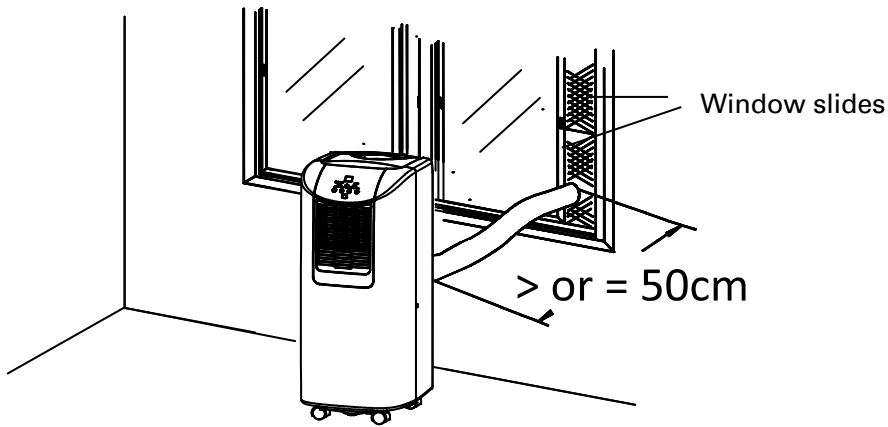
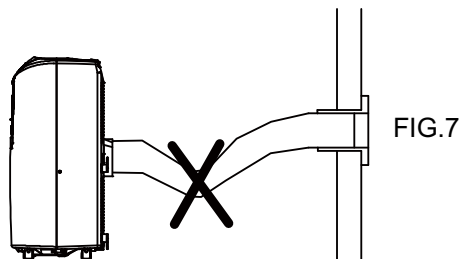
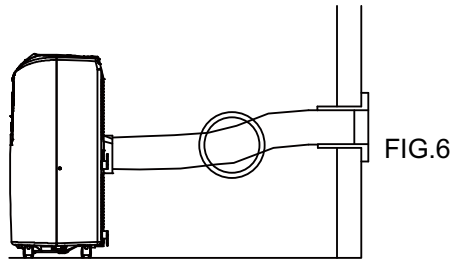
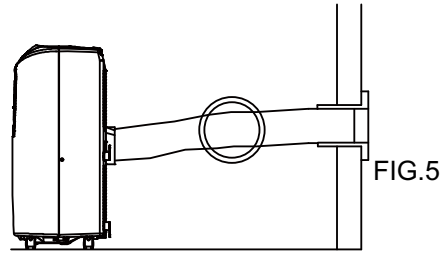


FIG. 4

1. Open the window and insert the window slides into the open gap.
2. Close the window until the window kit is held securely. You may need to adjust the size of the window kit and secure it with screws. This technique may also be used for sash windows.
3. Fit the exhaust hose into the exhaust air outlet located on the back of the air conditioner.
4. Attach the hose adapter onto the exhaust hose.
5. Attach the hose adapter to the window kit.

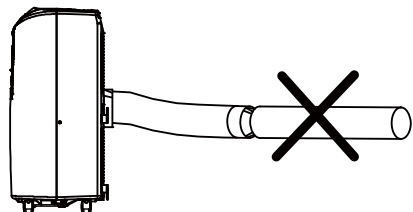
Mounting of the exhaust pipe

- Use only the hose provided and clip exhaust hose 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 9 & 10 show correct position
- The hose may be extended from 300mm to 1500mm but for maximum efficiency use the shortest length possible.



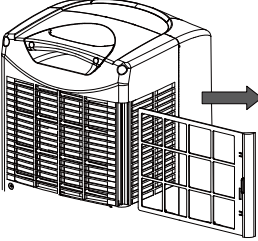
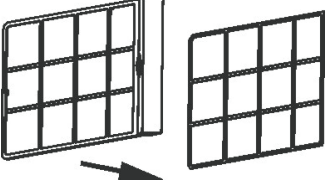
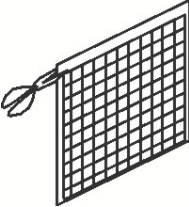
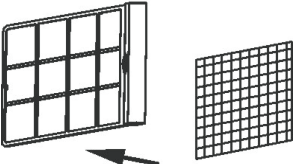
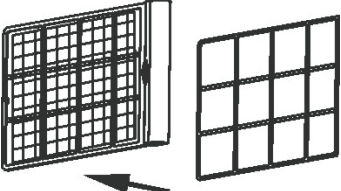
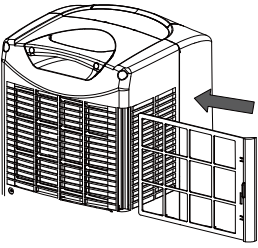
WARNING!

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 mal-function.



Installation of the carbon filter

This machine is equipped with the active carbon filter. The activated carbon is charcoal that has been treated with oxygen to open up millions of tiny pores between the carbon atoms. It is used to get rid of unwanted odors (smoke, fumes, and animal odor). Please note, the carbon filter is not washable, its life span is variable and depends on the ambient conditions where the unit is used. The filter should be checked periodically and replaced if necessary (normally, it's 6 months), below is the installation of the active carbon filter along with this unit:

 <p>FIG.9</p>	1. Remove the filter frame from the unit.
 <p>FIG.10</p>	2. Remove the filter fixer from the filter frame.
 <p>FIG.11</p>	3. Remove the active carbon filter from its plastic bag.
 <p>FIG.12</p>	4. Attach the active carbon filter to the filter frame.
 <p>FIG.13</p>	5. Attach the filter fixer to the filter frame (the active carbon filter should be hold between the filter frame and filter fixer firmly).
 <p>FIG.14</p>	6. Insert the filter set (filter frame + active carbon filter + filter fixer) into the back of the unit.

OPERATION

Control panel

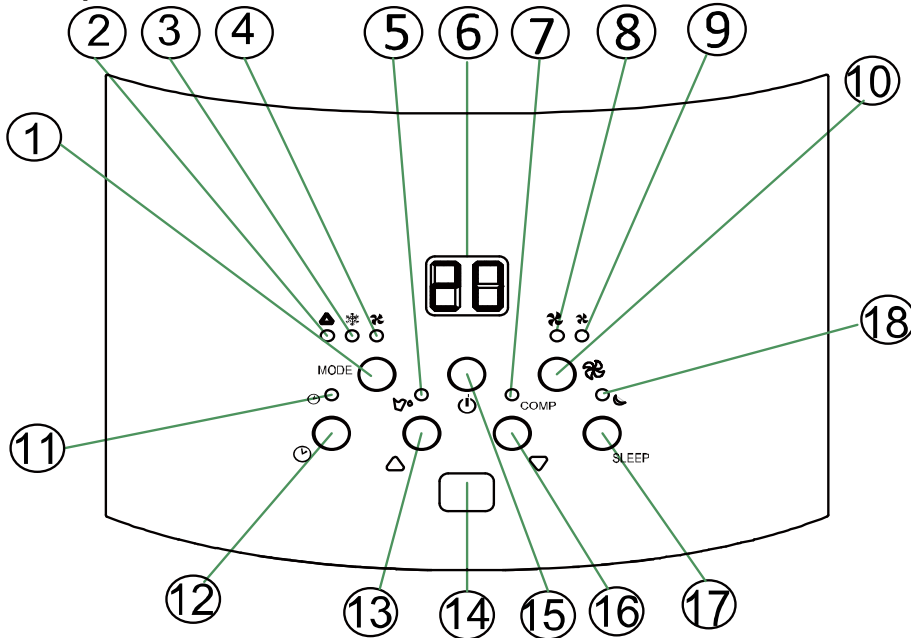


FIG.15

- | | |
|-------------------------------------|--------------------------------|
| 1. Mode (function) option button | 10. Speed (ventilation)button |
| 2. Automatic mode indicator | 11. Timer operation indicator |
| 3. Cooling mode indicator | 12. Timer button |
| 4. Fan (ventilation) mode indicator | 13. "Temperature up' button |
| 5. "Full Water" indicator | 14. Remote control receiver |
| 6. Display window | 15. ON/OFF (power) button |
| 7. Compressor operation indicator | 16. 'Temperature down ' button |
| 8. High ventilation indicator | 17. Sleep button |
| 9. Low ventilation indicator | 18. Sleep operation indicator |

Automatic mode

In automatic mode, the unit can cool or ventilate depending on ambient temperature and setpoint adjustment. The unit is preset as follows:

1. **If ambient temperature is $> 23^{\circ}\text{C}$** , the unit will be in automatic cooling mode. Default setting 24°C . During this operation, the indicator for AUTO and COOL mode light up in green.
2. **If the ambient temperature is $<$ or $= 23^{\circ}\text{C}$** , the unit will work in ventiation mode. During this operation, the indicator for AUTO and FAN mode light up in green.

Indicators of the functions in progress come on at the same time. *NOTE! The display window shows the ambient room temperature from 0°C to 50°C

To turn the unit off, press ON/OFF button again.

Setting mode/function

Press MODE button to select required working mode: automatic, cooling, fan (ventilation) or heating .

The indicator of your selected mode comes on.

Setting temperature

1. Press 'Temperature up' or 'Temperature down' button to regulate the temperature you desired (range:18-32°C).
2. The display window will show the temperature you set as you press 'Temperature up' or 'Temperature down' button. Otherwise, it will always show the ambient temperature (range:0°C to 50°C).

Setting ventilation speed

1. Press SPEED button to choose the ventilation speed you need, high or low. The indicator of high or low ventilation will light on at the same time.
2. If the unit is in AUTO mode, it will choose the ventilation speed automatically according to the ambient temperature (the related indicators will light on), at this time, the speed switch is invalid.

Setting timer

1. Press TIMER button to set the operating hours you desired (1 to 12 hours, the timer indicator will light on). When the set time has been reached, the machine will turn off automatically. The display window will show the hour(s) you set as you press TIMER button. If the timer button is not pressed, the unit will work continuously.
2. By pressing the timer but without turning on the other functions, you can PRE-SET the time for the machine to work. For example, if you press the timer to '2', the unit will work automatically after 2 hours.

Sleep function

1. In cooling mode, by pressing the SLEEP button, the set temperature will increase 1°C at the 1st hour, another 1 °C at the second hour, then keeps at that temperature.
2. In sleep mode, the ventilation will keep at **low speed**. Re-press the SLEEP button, the setting temperature and ventilation speed will return to the pre-selected one.
3. The unit will shut down automatically after the SLEEP function running for 12 hours.
4. **Please note, the sleep function is not available while the machine is working in AUTO or FAN (ventilation) mode.**

All the above functions can also be performed with the supplied remote control. This remote control requires 2 pcs AAA batteries to operate



FIG. 16

Regulating air flow direction

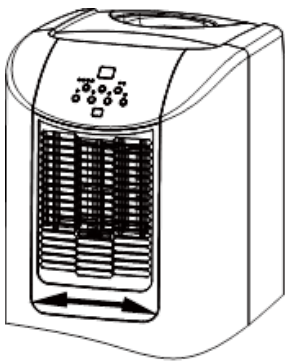


FIG.17

Turn the vertical louvers left & right by moving the roller on the air vent. For horizontal louvers, adjust them up & down by hands directly to control the air flow direction.

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. 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.

DRAINAGE

During the process of cooling, some water will be extracted from the air into the unit. If the reservoir is full, both of the compressor and motor will stop and the units would buzz (you can press any button to stop the buzz). The Full Water indicator will flash to show you.

To make the cooling work again, please empty the water by one of the following ways:

1. Turn off the air conditioner and avoid moving it when full.
2. Position a container (a water tray for example) underneath the drain hole.
3. Remove the drain knob & rubber plug from the drain hole and allow the water to drain out.
4. When the container is almost full, replace the rubber plug in the drain hole and empty the water tray.
5. Repeat until the unit is emptied.
6. Replace the rubber plug and tighten the drain knob firmly.
7. Switch on the unit - the full water or compressor operating indicator should not be flashing.

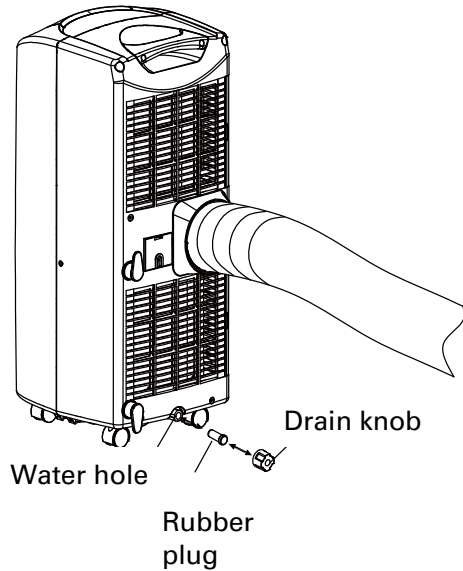


FIG.18

If you wish to operate the unit without the need to empty the water tank, please:

- Remove the drain knob and rubber plug and retain for future use.
- Connect the drain tube supplied to the water outlet as shown and locate the other end into a drain.

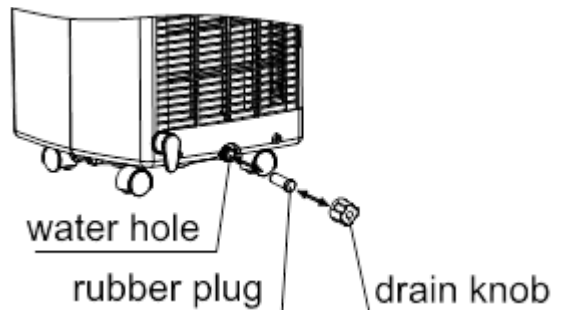


FIG.19

- The drain tube may be extended by adding an extension tube and using a suitable connector.

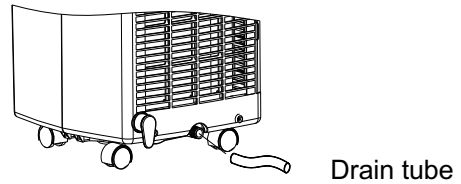


FIG.20

Please note

1. The drain must be at or below the outlet level.
2. Flashing 'full water' indicator will not function in this mode of drainage.
3. If you want to extend the water tube, you can connect it with another tube (OD: 18mm)

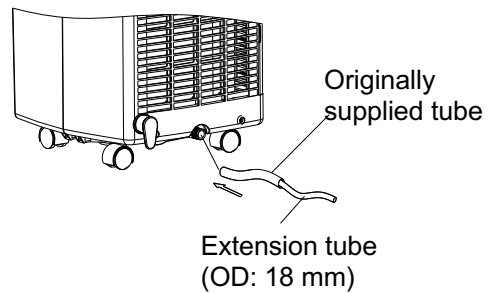


FIG.21

MAINTENANCE

**Always unplug the air conditioner from the mains before cleaning.
To maximize the efficiency of the air conditioner cleans regularly.**

Cleaning the housing

Use a soft, damp cloth to wipe the body clean.

Never use aggressive chemicals, gasoline, detergents, chemically treated cloths, or other cleansing solutions. These all could possibly hurt the cabinet.

Cleaning the filter

Use a vacuum cleaner or tap the filter lightly to remove loose dust and dirt from the filters and then rinse thoroughly under running water (no hotter than 40°C).

Dry thoroughly before replacing.

Notice! Never operate the unit without the filters.

End of season storage

- Drain any water in the unit before completely operating the unit on ventilation only mode for a few hours, to thoroughly dry the inside.
- Clean or change the filter.
- Unplug and store the power cord as shown.
- Replace in the original carton or cover for storage.

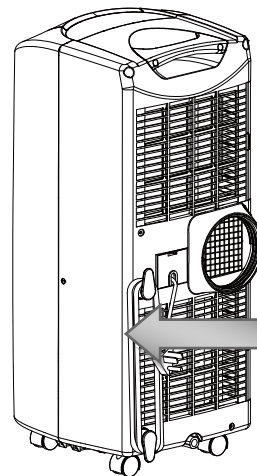


FIG.22

Power cord

FAULT CHECK LIST

The air conditioner does not run

- Is the air conditioner plugged in?
- Is there a power failure?
- Is the comp / 'full water' indicator flashing?
- Is the room temperature below the set temperature?

The machine seems to do little

- Is there direct sunshine? (Please put down the curtain.)
- Are too many windows or doors open?
- Are there too many people in the room?
- Is there something in the room producing lots of heat?

The machine seems to do nothing.

- Is the filter dusty, contaminated?
- Is the air intake or output blocked up?
- Is the room temperature below your selected temperature?

Too noisy

- Is the machine positioned unevenly so as to create vibration ?
- Is the floor underneath the machine uneven?

The compressor doesn't run.

- Is so, it is possible the overheat protection of the compressor is on. Just wait for the temperature to drop.

☆ **Never try to repair or dismantle the unit yourself**

WARRANTY

For all warranty claims please return to place of purchase. If unit is deemed to be faulty it will be replaced during the 24 month warranty period.

Excelair

By Excelsior

For any queries or assistance call
Customer Service
(Australia Only)
1300 174 876
Hours of operation:
Monday to Friday 8am - 5pm EST

IMPORTANT: RETAIN THESE INSTRUCTIONS FOR FUTURE USE.

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