



9,000BTU/HR AIR CONDITIONER/DEHUMIDIFIER

MODEL NO: **SAC9002**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Do not cover



Indoor use only



Caution:
Risk of fire

1. SAFETY

1.1. ELECTRICAL SAFETY

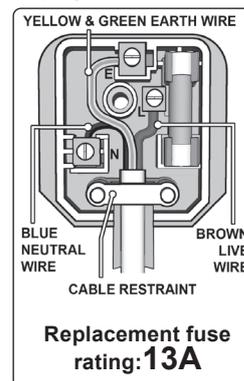
- ❑ **WARNING!** It is the user's responsibility to check the following:

Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey stockist.

If the product is used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested.

Electrical safety information: it is important that the following information is read and understood.

- 1.1.1. Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- 1.1.2. Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- 1.1.3. **IMPORTANT:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
 - * **DO NOT** pull or carry the appliance by the power cable.
 - * **DO NOT** pull the plug from the socket by the cable.
 - * **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.
- 1.1.4. This product is fitted with a BS1363/A 13 Amp 3 pin plug.
 - If the cable or plug is damaged during use, switch the electricity supply and remove from use. Ensure that repairs are carried out by a qualified electrician.
 - Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.
 - A) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
 - B) Connect the BROWN live wire to the live terminal 'L'.
 - C) Connect the BLUE neutral wire to the neutral terminal 'N'.
 - Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight. Sealey recommend that repairs are carried out by a qualified electrician.
- 1.1.5. Products which require more than 13 amps are supplied without a plug. Contact a qualified electrician to ensure that a suitably rated supply is available. Ensure that an industrial round pin plug and socket are fitted by a qualified electrician.
- 1.1.6. If an extension cable reel is used, ensure that it is fully unwound before connection. Use a reel that includes an RCD, an appliance will be protected by the RCD. The cable core section is important and should be at least 1.5mm². Ensure that the cable of the reel is appropriate for this product. We recommend the use of 2.5mm² core section cable.



1.2. GENERAL SAFETY

- ✓ Check that the unit is in sound condition and good working order. Take immediate action to repair or replace damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
 - NOTE:** Appliance is filled with propane gas R290.
 - NOTE:** Only install, operate or store in a room with a floor area greater than 12.92m².
- * **DO NOT** attempt any repairs / maintenance unless suitably qualified.
- * **DO NOT** stand or place any object closer than 500mm from the unit.
- * **DO NOT** obstruct the air intakes or outlets of the unit, and **DO NOT** cover with washed clothes.
- * **DO NOT** place any object into the outlets - the unit has a fan running at high speed, contact with this will cause injury.
- * **DO NOT** operate the unit when you are tired or under the influence of alcohol, drugs or intoxicating medication.
- * **DO NOT** switch the unit off by disconnecting it from the mains. **ALWAYS** switch it off using the Power button.
- * **DO NOT** remove the float lever from the water collection tank.
- * **DO NOT** connect or disconnect the plug from the mains with wet hands.
- * **DO NOT** use the unit outside.
- * **DO NOT** install or operate this air conditioner in a bathroom or other wet environments.
- ✓ To prevent water from freezing, **DO NOT** use the unit at ambient temperatures below 0°C.
- ✓ Always discard the water from the collection tank, **DO NOT** use it for any other purpose.
- ✓ Place the unit on a level and stable surface.
- ✓ Ensure that heating appliances are not exposed to the flow of air from the unit.

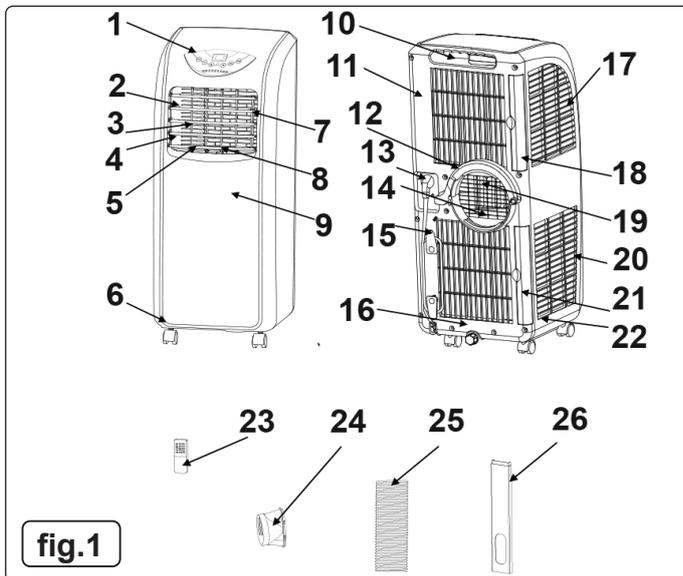
- ✓ Before attempting to move the unit, empty the contents of the water tank. Use carrying handle (fig.1.10) when moving unit.
 - ✓ Switch off and disconnect unit from the mains before attempting any cleaning or other maintenance work.
 - ✓ Ensure that the unit is turned off correctly when not in use, and stored in a safe, dry area, out of reach of children.
- NOTE:** This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.

2. INTRODUCTION

Thermostatically controlled unit with extendible exhaust hose and window kit - ideal for home or office environments. Features two-speed fan and electronic remote control. Air conditioning temperature range 16-30°C. Also features a dehumidifying function capable of removing up to 24L/day. Refrigerant is R290. Mounted on castors for manoeuvrability. Cable storage keeps unit tidy when not in use.

3. SPECIFICATION

Model No.:.....SAC9002
 Cooling capacity:.....9000Btu/hr
 Discharge side pressure:3.8MPa
 Energy rating: A (Cooling)
 IP rating:IP20
 Mass of refrigerant:.....270g
 Max. airflow:.....360m³/hr
 Max. exhaust hose length:.....1.5m
 Max water extraction rate:.....24L/day
 Noise level:65db (A)
 Power:.....1010W
 Rated capacity:2640W
 Refrigerant:R290
 Suction side pressure:1.3Mpa
 Supply:.....230V~50Hz



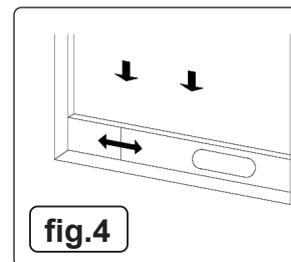
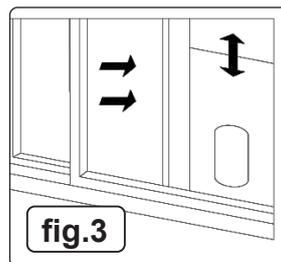
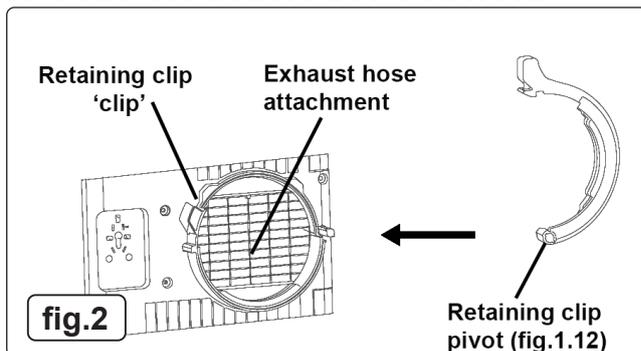
4. CONTENTS (SEE FIG.1)

1	Control panel	14	Lower air duct bottom
2	Horizontal louvre	15	Wire-winding post
3	Vertical louvre	16	Drain cap
4	Air outlet frame	17	Evaporator filter mesh
5	Vertical Louvre connecting lever	18	Evaporator filter frame
6	Caster	19	Radiating fine mesh
7	Horizontal louvre connecting lever	20	Condenser filter mesh
8	Main vertical louvre	21	Condenser filter frame
9	Front shell	22	Base plate
10	Handle position (right side: remote control storage area)	23	Remote control
11	Back shell	24	Heat exhaust hose short connector
12	Retaining clip (exhaust hose)	25	Exhaust hose
13	Power cord	26	Window sealing board assembly

5. INSTALLATION

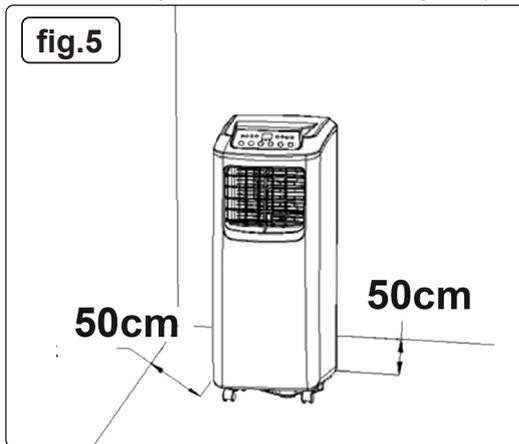
- **WARNING!** leave this mobile air-conditioner in an upright position for at least 2 hours before first use. Ensure that the air conditioner remains in an upright position whilst it is being moved. Place the air-conditioner on a flat ground surface.

5.1. Connector fig.1.24 and Window sealing board assembly fig.1.26 are fitted to Exhaust Hose fig.1.25. Place 25 and 26 at each end of the hose and screw clockwise onto the hose to connect.



- 5.2. Select the exhaust hose retaining clamp.
- 5.3. Fit the exhaust hose to the circular aperture at the rear and secure with the retaining clip.
- 5.4. Rotate the retaining clip anticlockwise and snap the retaining clamp closed to secure the heat exhaust hose.

- 5.5. Fit 26 window sealing board to the window as shown in fig 3 (vertical) or fig 4 (horizontal).
- 5.6. Position the mobile air-conditioner, with the exhaust hose assembly attached, near to a window. Keep the mobile air conditioner at least 50cm away from the walls or other objects. (As shown in fig 5)



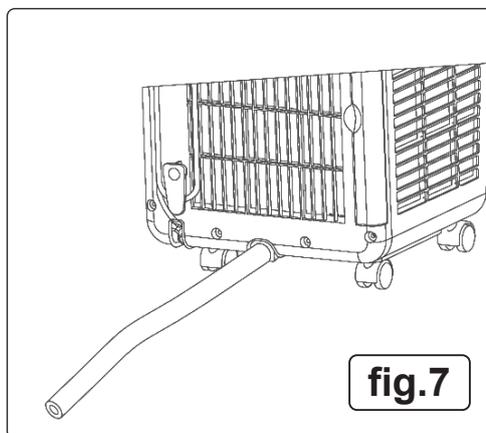
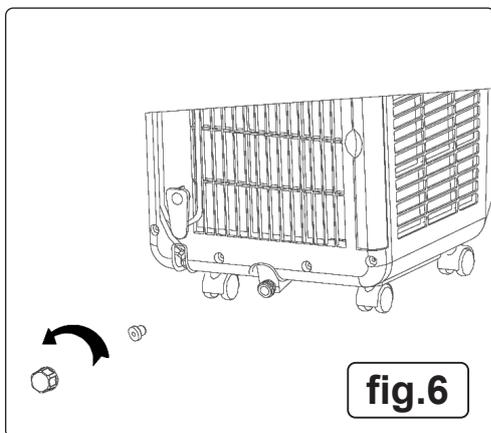
- 5.7. Snap the flat end of the exhaust hose connector into the elliptical hole of the window sealing board assembly (fig 3, fig 4).
- 5.8. To ensure adequate operation, ensure that the exhaust hose is not kinked, **DO NOT** bend the exhaust hose any more than 45°.
- **IMPORTANT:**
The exhaust hose is 280mm-1500mm long and this length is determined based on the specification of the air-conditioner. **DO NOT** use hoses with other specifications. **DO NOT** replace with non-genuine components as this may affect the functions of the air-conditioner. The flow of exhaust must be smooth. Obstructed exhaust may cause the air-conditioner to overheat.

6. OPERATION



- 6.1. **CONTROL PANEL FUNCTIONALITY (fig.4)**
- 6.1.1. This unit has three functions: cooling, dehumidifying and fan which are accessed by use of a 'Mode' button on the control panel.
- 6.2. **POWER BUTTON**
- 6.2.1. The Power button is used to start / shut down the unit. When used to start the unit, the last mode set will be activated.
- 6.2.2. When the unit is first turned on an audible signal is emitted and the central display will show the ambient temperature. If the ambient is below 10°C or above 35°C the unit enters a standby state and displays either 'L' or 'H' respectively in the central display.
- 6.3. **COOLING MODE**
- 6.3.1. To engage the cooling function, press the Mode button to cycle through the indicator display until the 'Cool' light is turned on.
- 6.3.2. The cooling Fan speed may be set to high or low by pressing the 'Fan' button on the display. The relevant LED will show the setting.
- 6.3.3. The cooling temperature can be set using the 'up' and 'down' arrows and will be shown in the LED display window.
- 6.3.4. Temperatures can be displayed in either Centigrade or Fahrenheit by pressing both up and down arrows simultaneously.
- 6.4. **DEHUMIDIFYING MODE**
- 6.4.1. To engage the dehumidifying function, press the Mode button to cycle through the indicator display until the 'Dry' light is turned on.
- 6.4.2. If the ambient temperature is 17°C or higher, the compressor will start. If the ambient temperature falls below 15°C it will shut down.
- 6.4.3. The fan speed in this mode is set to low level and cannot be altered.
- 6.5. **FAN MODE**
- 6.5.1. To engage the Fan function, press the Mode button to cycle through the indicator display until the 'Fan' light is turned on.
- 6.5.2. In this mode the fan speed is controlled (high or low) by pressing the 'Fan' button to cycle between the two states.
- 6.6. **TIMER MODE**
- 6.6.1. The timing function can be used to either end a process after a period of time or start one after a period of time. Time units are single hours i.e. 1 hour, 3 hours etc. and are set by use of the up and down arrows to increase or decrease the time period.
- 6.6.2. To use the timer to end a program after a set time, first set up your parameters i.e. Fan / High, then select 'Timer' and set your required run-time period.
- 6.6.3. To use the timer to create a delayed start, first set up your parameters i.e. Fan / High, select 'Timer' and set your required wait-time period. Press the Power button to put the unit into Sleep mode. When the set time has passed the unit will start the pre-set program.
- 6.6.4. To query remaining time for a set operation press the Timer button once.
- 6.6.5. To cancel a time setting, press the Timer button twice in quick succession.

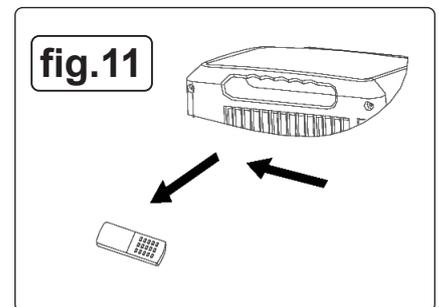
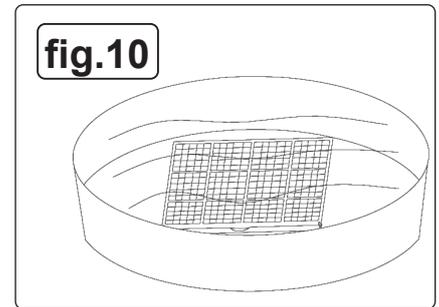
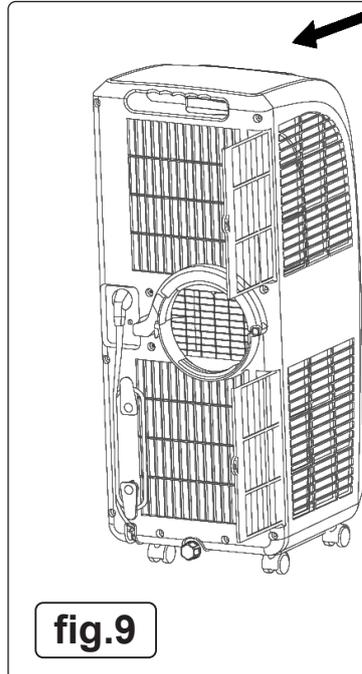
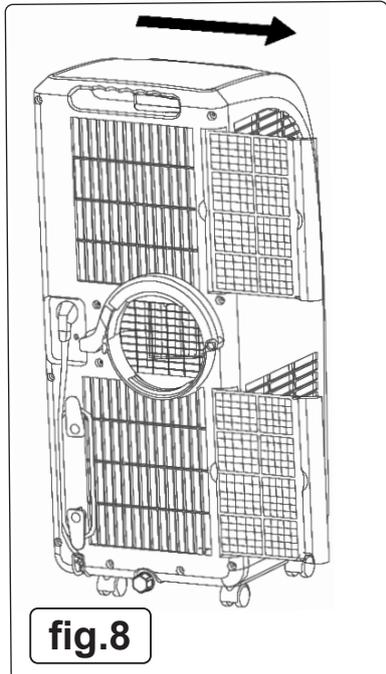
- 6.6.6. Turning the unit off will clear all timing settings currently in use.
- 6.7. UNIT DISPLAY**
- 6.7.1. To change the temperature units displayed, depress both up and down arrows simultaneously. '°C' or '°F' will be displayed in the central display.
- 6.8. REMOTE CONTROL (fig.5)**
- 6.8.1. The operation instructions of the buttons of this simple remote control are as follows:
- 6.8.2. **Power button:** press this button to turn on/off the unit;
- 6.8.3. **Timer button:** upon shutdown, press this button to set timed start; upon start, press this button to set timed shutdown.
- 6.8.4. **High button:** press this button to allow the unit to operate in the high fan speed state (except in the dry and sleep modes);
- 6.8.5. **Low button:** press this button to allow this unit to operate in the low fan speed state;
- 6.8.6. **Up button:** press this button to increase the temperature and timing value;
- 6.8.7. **Down button:** press this button to decrease the temperature and timing value;
- 6.8.8. **°C — °F button:** press this button to switch between the Celsius degree and Fahrenheit degree;
- 6.8.9. **Cool button:** press this button to set this unit to operate in the cooling mode;
- 6.8.10. **Fan button:** press this button to set this unit to operate in the air supply mode;
- 6.8.11. **Dry button:** press this button to set this unit to operate in the dry mode;
- 6.8.12. **Sleep mode:** press this button to set this unit to operate in the sleep mode. Press again to wake unit up. The program that was running when Sleep was selected will recommence from the condition which it was in when 'sleep' was selected.
- 6.9. PROTECTION FUNCTIONS**
- 6.9.1. ANTI-FREEZE PROTECTION FUNCTION:**
- Upon cooling, when the compressors operates continuously for more than 10 minutes, if the pipe temperature T_p is less than or equal to 2°C continuously for 20 seconds, the compressor and water spraying motor turn off, other loads operate and LED displays E4, the unit initiates the anti-frost protection function and the buttons are inactive (except the OFF button). Once the pipe temperature rises to exceed or equal 8°C, the protection is relieved, the original status is restored and the unit meets the requirements for 3-minute delay protection of the compressor.
- 6.9.2. FULL WATER PROTECTION FUNCTION:**
- When the water in the water tray exceeds the alarm level, the unit will alarm automatically and the full water indicator illuminates on the control panel In this case, you need to drain the condensate in the unit; otherwise, the unit will shut down automatically after the buzzer gives off 5 beeps. If the unit is not shut down manually, the unit will be restored to the previous operating status automatically once the water is fully drained. Or the power may be turned on again to start the unit.
- 6.9.3. DELAY PROTECTION FUNCTION OF THE COMPRESSOR:**
- This unit offers restart protection for the compressor. Except that the compressor may start immediately when the unit is energized for the first time, there is 3-minute delay start protection after the compressor is shut down. After the compressor operates continuously for 10 minutes, if the pipe temperature sensor detects that the difference between the pipe temperature and room temperature is less than 3°C for 30 minutes continuously, the unit enters fluorine-free protection, the compressor and water spraying motor turn off, and the fan operates in the low speed mode and E3 is displayed.
- 6.10. WATER DRAINAGE**
- 6.10.1. MANUAL DRAIN: (fig.6)**
- 6.10.1.1. If the unit shuts down upon full water ('Full' light illuminated on control panel), turn off the power to the unit and then unplug from the electrical supply.
- NOTE:** Move the unit carefully to avoid spillage of water in the water tray at the bottom of the unit.
- 6.10.1.2. Put the draining vessel below the water outlet at the back of the unit. Screw off the drain cap, unplug the water plug and drain the water into a suitable container. Tilt the unit slightly backward when draining. Once the water is fully drained, re-insert the water plug and screw on the water cap tightly.
- NOTE:** Turn on the unit only after the water plug and drain cap are installed properly, otherwise, the condensate of the unit will flow onto the ground or carpet.
- 6.10.2. CONTINUOUS DRAIN: (fig.7)**
- 6.10.2.1. Remove the water cap in the direction shown by the arrow (fig.6) and unplug the water plug;
- 6.10.2.2. Insert the 13mm OD PVC drain hose 8mm-10mm into the water outlet and connect the drain hose to the drain. Ensure that the drain point is below the level of the drain plug.
- 6.10.2.3. When operating in the cooling mode, it is recommended that a continuous drain is not used.



7. MAINTENANCE & SERVICING

- WARNING!** Disconnect from the mains before carrying out any servicing or maintenance.
- 7.1. Clean the surface of the unit with wet soft cloth. **DO NOT** use chemical solvents as these may damage the unit.
- 7.2. **FILTER FRAME AND FILTER MESH CLEANING (fig.8, fig.9)**
- 7.2.1. Clean the filter mesh once every two weeks.

- 7.2.2. If the filter frame and filter mesh are clogged with dust, the function of the air-conditioner may decrease.
- 7.2.3. Remove the evaporator filter frame and the condenser filter frame gently in the direction shown by the arrow (as shown in fig 9).
- 7.2.4. Remove the evaporator filter mesh and condenser filter mesh gently in the direction shown by the arrow (as shown in fig 8).
- 7.2.5. Remove the filter frame first and then take out the filter mesh.
NOTE: when taking out the filter frame or filter mesh, the force shall be applied evenly to avoid twisting or damage of the filter frame or filter mesh.
- 7.2.6. Place the evaporator filter frame, condenser filter frame, evaporator filter mesh, and condenser filter mesh into warm water (about 40°C). Use neutral cleaner. Dry in the shade. (Fig 10)



NOTE: DO NOT damage the mesh fabric on the filter frame and filter mesh.

7.3. INSTALLATION OF THE FILTER FRAME AND FILTER MESH (fig.8, 9, 10)

- 7.3.1. Install the filter mesh first and then install the filter frame.
- 7.3.2. To install the evaporator filter mesh and condenser filter mesh, point the back end of the filter mesh toward the socket and then push the filter mesh evenly and gently into the socket.

NOTE: Install the filter mesh in the reverse order of removal. The filter mesh must be installed into place; otherwise, the filter frame may not be installed into place.

7.4. CLEANING OF THE HANDLE POSITION AND REMOTE CONTROL STORAGE AREA

- 7.4.1. Remove the remote control from its storage place in the handle (fig.11).
- 7.4.2. Clean the handle position and remote control storage area with damp soft cloth only. **DO NOT** allow water to drip into the unit. **DO NOT** soak the cleaning cloth.

8. MOVING THE UNIT

- 8.1. To move the unit, hold the top of the air outlet on the front of the unit with one hand and the handle position at the top of the back of the unit with another hand. Ensure that the unit remains upright. **DO NOT** hold the horizontal louvre by hand.
- 8.2. Leave the unit in the upright position when handling or moving it.
- 8.3. To handle or move the unit, drain the water in the unit first to prevent the water in the unit from flowing onto the ground or carpet.
- 8.4. If the remote control is currently stored in the handle recess, remove it temporarily (fig.11).

9. STORAGE

- 9.1. Unscrew the drain cap, unplug the water plug and drain the water in the water tray to a suitable vessel.
NOTE: DO NOT tilt the unit any further than 30° from vertical.
- 9.2. Start the unit, adjust mode to the low fan speed setting, keep the unit in this state for half a day in order to dry the interior of the unit to prevent mould.
- 9.3. Turn off the unit, unplug the power plug, wrap the power cord around the wire-winding post, insert the plug into the storage point on the rear of the unit; install the water plug and drain cap.
- 9.4. Remove the exhaust hose assembly and store appropriately to prevent damage.
NOTE: to remove the exhaust hose assembly, hold the handle of the exhaust hose retaining clamp, pull the retaining clamp outward evenly, rotate the retaining clamp clockwise to open. Remove the exhaust hose assembly.
- 9.5. Pack the air-conditioner in a soft plastic bag. Store the unit in a dry and dust proof place. Keep the unit out of the reach of children.
- 9.6. Remove batteries from the remote control. Store remote control in an appropriate place.
- 9.7. Ensure that the unit is stored in a dry place.

10. TROUBLESHOOTING

NOTE: Repairs should only be carried out by suitably qualified persons.

Problem/fault indication	Cause	Remedy
The air-conditioner does not work	No power	Connect the unit to a live socket and turn it on.
	Full water indicator illuminates?	Drain the water stored in the unit.
	Ambient temperature too low ?	It is recommended that this unit be operated at 10-35°C.
	The room temperature is lower than the set temperature in the cooling mode.	Change the set temperature
Bad cooling or heating effects	Direct sunlight	Draw curtain.
	The doors and windows are open, the room is crowded or there are other heat sources near the cooling mode	Close doors and windows. Add new air-conditioners
	Filter mesh very dirty	Clean or replace the filter mesh
	Air inlet or air outlet obstructed	Remove the obstruction
Excessive noise	Air-conditioner not on a flat surface	Place the air-conditioner in a flat and firm place.
The compressor does not work	Overheat protection activated.	Wait 3 minutes until the temperature decreases and then turn the unit on.
The remote control does not work	Too long a distance	Move the remote control closer to the air-conditioner. Ensure that the remote control points toward the receiver.
	The remote control does not point toward the receiver	
	Batteries flat	Replace the batteries
Display E1	Pipe temperature sensor failure	Check the pipe temperature sensor and related circuits
Display E2	Room temperature sensor failure	Check the room temperature sensor and related circuits
Display E4	Anti-freeze protection	Functions are restored when unit returned to operating temperature.
Full water indicator illuminates	The water in the baseplate of the unit reaches the full water level	Drain the water in the baseplate.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



BATTERY REMOVAL: REMOVE BATTERY FROM REMOTE

Under the Waste Batteries and Accumulators Regulations 2009, Jack Sealey Ltd are required to inform potential purchasers of products containing batteries (as defined within these regulations), that they are registered with Valpak's registered compliance scheme. Jack Sealey Ltd Batteries Producer Registration Number (BPRN) is BPRN00705.

Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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