



12,000BTU/HR PORTABLE AIR CONDITIONER/ DEHUMIDIFIER/AIR COOLER/HEATER

MODEL NO: **SAC12000.V4**

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
instruction
manual



Do not cover



Indoor use only



Caution:
Risk of fire

1. SAFETY

1.1. ELECTRICAL SAFETY

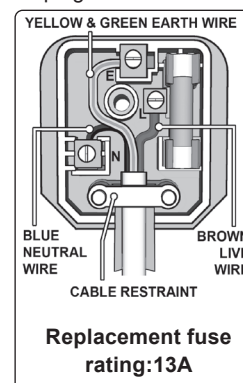
- ☐ **WARNING!** It is the user's responsibility to check the following:

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 dealer.

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 R290.
- ✓ **Appliance shall be installed, operated and stored in a room with a floor area larger than 12m².**
- * **DO NOT** perforate any of the components in the refrigerant circuit. Refrigerant gas may be odourless.
- * **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 to the "OFF" position first.
- * **DO NOT** remove the float lever from the water collection tank.
- * **DO NOT** connect or disconnect the plug from the mains with wet hands.
- ✓ 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.
- ✓ To prevent water from freezing, **DO NOT** use the unit at ambient temperatures below 0°C.
- * **DO NOT** use the unit outside.
- ✓ 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 side carrying handles 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.

2. INTRODUCTION

4-in1 high capacity, compact, portable air conditioner, air cooling with ventilation, dehumidifying and heating functions. Thermostatically controlled with built in 24hr timer and sleep mode. Soft-touch control panel with LED digital display and remote control. Self-evaporating system reuses the moisture it collects from the air to help with the cooling process allows better efficiency, low maintenance and powerful cooling. Water-full indicator with auto shut off. Supplied with extendable exhaust ducting with window kit for ventilation and continuous drain hose. Eco-Friendly R290 refrigerant. Air conditioning temperature range 16-32°C. Washable filter. Auto-defrost function at low ambient temperature. Mounted on castor wheels for manoeuvrability.

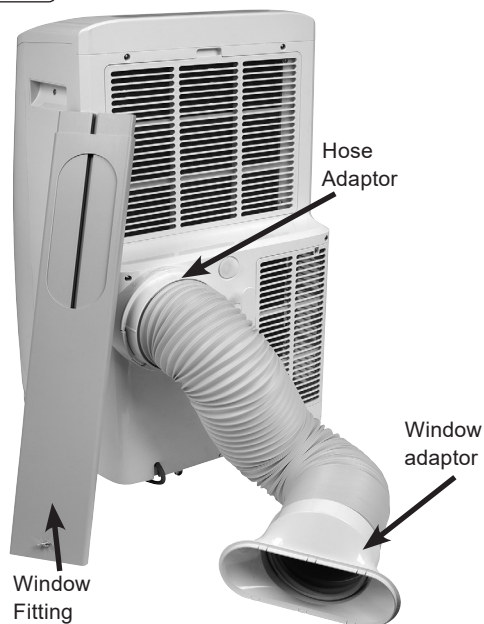
3. SPECIFICATION

MODEL NO:.....**SAC12000.V4**
Cooling Capacity:.....12000Btu/hr
Discharge Side Pressure:3.2MPa
Energy Rating: A (EER:2.6)
IP rating IPX1
Mass of refrigerant:..... 240g
Max. airflow:.....410m³/hr
Max. exhaust hose length: 1.5m
Max. water extraction rate:..... 30.3L/day
Noise level:65dB(A)
Power:.....1337W (Cooling) 118W (Heating)
Rated capacity:3520W (Cooling) 2780W (Heating)
Refrigerant: R290
Suction side pressure:0.7MPa
Supply:..... 230V~50Hz

fig.1



fig.2



4. INSTALLATION

IMPORTANT: Allow the refrigerant to settle for at least 24 hours before using the unit.

4.1. EXHAUST HOSE ASSEMBLY

- 4.1.1. Thread hose adaptor (fig.2) onto the hose and then locate adaptor into its housing in the body.
- 4.1.2. Pull the free end out and screw the window adaptor onto the other end of the exhaust hose.

4.2. WINDOW ADAPTOR

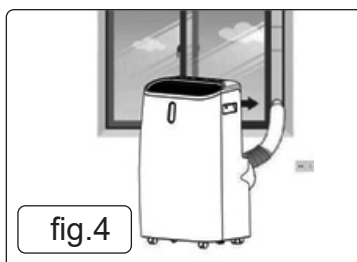
- 4.2.1. Slide the window adaptor to the correct width for the window opening and tighten the wing nut (fig.3) to stop the slide closing.
- 4.2.2. Close the window onto the window adaptor, clamping it in place. This can be achieved with sash windows, sliding windows or vertically hinged windows.

- 4.2.3.



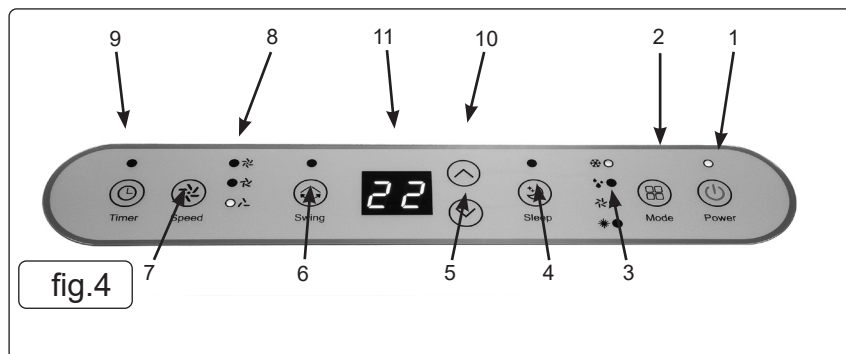
- ✱ **DO NOT** use an extension hose or hose different from the one supplied. The length and diameter of the hose supplied are the optimum size for this unit. Changing those dimensions could affect the performance.

4.3. LOCATION



The SAC12000 should be located on a flat floor and be 500mm clear of any surrounding objects.

5. OPERATION



ITEM	LABEL	FUNCTION
1	POWER	ON / OFF
2	MODE	SWITCH MODE
3	MODE INDICATOR	MODE SETTING
4	SLEEP	PRESS ON / OFF
5	DOWN	DECREASE TIME / TEMPERATURE
6	SWING	ADJUST AIRFLOW
7	SPEED	HIGH, MIDDLE, OR LOW
8	INDICATORS	SPEED INDICATORS SET
9	TIMER	SET START / STOP
10	UP	INCREASE TIME / TEMPERATURE
11	DISPLAY	SHOW TIME / TEMP SETTING

5.1. CONTROL FUNCTIONS (FIG.4, FIG.5)

- 5.1.1. When connected to mains power, the unit enters standby status.
- 5.1.2. On/Off Button (fig.4.1): When this button is pressed, the unit will enter last used mode. A further press of the button and the machine will revert to standby status.
- 5.1.3. The unit has 5 operational modes: Cooling, Dehumidifying, Ventilating, Heating, Sleep.

5.2. COOLING

- 5.2.1. Press Mode (fig.4.2) repeatedly until the cooling LED (fig.5) is lit.
- 5.2.2. Temperature range is 16°C to 32°C.
- 5.2.3. Press Up and Down arrows (fig.4.5, 4.10) to adjust temperature required. This is displayed in front panel (fig.4.11).
- 5.2.4. Press Speed button (fig.4.7) to select one of three speed settings (fig.4.8).
- 5.2.5. To control air flow direction press Swing button (fig.4.6).

NOTE: The air conditioner stops if the room temperature is lower than selected temperature.

5.3. DEHUMIDIFYING

- 5.3.1. Connect the hose to the required drain outlet at the bottom of the unit (fig.7).
- 5.3.2. Press Mode (fig.4.2) repeatedly until the dehum. LED is lit (fig.5).

NOTE: The fan speed and temperature are fixed in this mode and cannot be altered.

5.4. VENTILATION (Air Recirculation)

- 5.4.1. Press Mode (fig.1.2) repeatedly until the ventilation LED is lit (fig.5).
- 5.4.2. Press Speed button (fig.4.7) to select one of three speed settings (fig.4.8).

5.5. HEATING

- 5.5.1. Press Mode (fig.4.2) repeatedly until the heating LED is lit (fig.5).
- 5.5.2. Press Up and Down arrows (fig.4.5, 4.10) to adjust temperature required. This is displayed in front panel (fig.4.11).
- 5.5.3. Press Speed button (fig.4.7) to select one of three speed settings (fig.4.8).
- 5.5.4. To control air flow direction press Swing button (fig.4.6).

5.6. SLEEPING

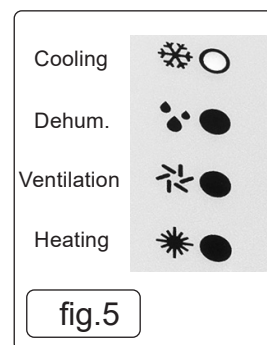
- 5.6.1. The sleep mode (fig.4.4) can be activated when in cooling and heating mode.
- 5.6.2. When sleep is selected during cool mode, after one hour the set temperature is increased by 1°C. After two hours the set temperature will again be increased by 1°C.
- 5.6.3. When sleep is selected during heat mode, after one hour the set temperature is decreased by 1°C. After two hours the set temperature will again be decreased by 1°C.
- 5.6.4. After two hours of auto-adjustment, the set temperature will be kept constant for 10 hours, indicators will dim and the fan speed may switch to low speed and cannot be selected.

5.7. TIMER

- 5.7.1. The timer function (fig.4.9) can be used to turn the unit on or off in one hour increments from 1 hour to 24 hours.
- 5.7.2. To set the timer to turn the unit off after a period, press the timer button (fig.4.9) and use the up and down buttons (fig.4.5, fig.4.10) to set the time required.
- 5.7.3. To set the timer to turn the unit on after a period, with the power on but the unit not working, press the timer button (fig.4.9) and use the up and down buttons (fig.4.5, fig.4.10) to set the time required.
- 5.7.4. To cancel a timer, press up and down buttons (fig.4.5, fig.4.10) repeatedly until LED display (fig.4.11) shows '00'.

5.8. AUTOMATIC DEFROST

- 5.8.1. At low room temperatures, frost may build up at the evaporator during operation. The unit will automatically start defrosting and the POWER LED (fig.4.1) blinking. The defrost control sequence is as follows:
- 5.8.2. When the unit operates in the cooling and dehum. modes and the ambient temperature sensor senses the evaporator coil temperature is below -1°C, the compressor will stop operating for 10 minutes. The coil temperature then rises up to 7°C, the unit will restart its operating mode.



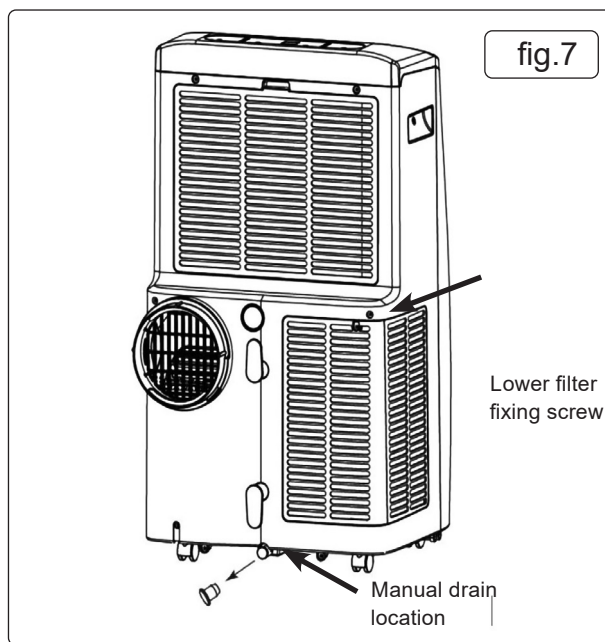
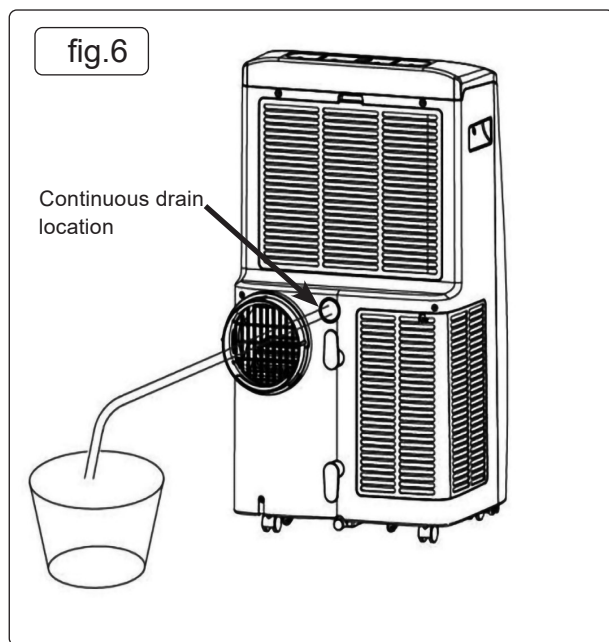
- 5.8.3. When the unit operates in the heating and dehum. modes, once the coil temperature sensor senses the temperature of the evaporator is below 40°C and the differential temperature between coil temperature and room temperature is below 19°C after the compressor has operated for 20 minutes, the unit will start defrosting for 5 minutes and the power indicator will be blinking.

5.9. OVERLOAD PROTECTION

- 5.9.1. In the event of a power loss, to protect the compressor, there is a 3-minute delay until the unit restarts.

5.10. DRAINAGE

- **WARNING! DO NOT** attempt using either form of drainage without first removing the power supply from the unit.
- 5.10.1. The unit will stop working when the water receptacle is full. See Troubleshooting section for error codes.
- 5.10.2. The unit has two methods of drainage. these are continuous (fig.6) or manual (fig.7).
- 5.10.3. To operate in continuous mode, remove the plastic bung in the back of the machine (fig.6) and firmly insert the supplied hose. Place the end of the hose over a drain or bucket and ensure that water can flow freely through it.
- 5.10.4. To operate in manual mode, remove the plastic bung from the lower drain (fig.7). Drain water out into suitable container and firmly replace bung when empty.



6. REMOTE CONTROL

- 6.1. The controls on the remote control (fig.8) work in the same manner as the main control panel.

7. MAINTENANCE

NOTE: repair of unit and handling of refrigerant must only be carried out by a suitably qualified person.

7.1. GENERAL MAINTENANCE

- 7.1.1. Turn the unit OFF and disconnect it from the mains power supply before cleaning or performing maintenance.
- 7.1.1. Inspect the unit on a regular basis and replace or repair any damaged parts. Use recommended parts and an authorised service agent. Unauthorised parts may be dangerous and will invalidate the warranty.

× **DO NOT** use any solvents or abrasive material to clean the plastic exterior of the unit. Use only a damp soft cloth for cleaning and dry the unit afterwards with a clean, dry, soft cloth.

- 7.2. **AIR FILTER.** Clean the air filters every two weeks for optimum performance. The filters are situated at the rear of the unit (fig.7), and are held in place by plastic frames.

7.2.1. Upper Filter

Using the finger grip, pull the top edge gently outwards to release the holding lugs and remove the filter frame.

7.2.2. Lower Filter

Undo fixing screw (fig.7) and pull the frame gently outwards to release the holding lugs and remove filter frame.

- 7.2.3. Once released, vacuum the frames gently if clogged with dirt.

- 7.2.4. If the filter is heavily soiled, it can be washed in warm water containing a mild, neutral detergent. Ensure that the filter is dry completely before re-installing it.

- 7.2.5. Refitting the filter frames into the machine is the reverse order of 6.2.1./6.2.2.

7.3. STORAGE

- 7.3.1. If the unit is not to be used for a long period of time, drain off any water in the tank. Place a large enough container under the rear of the unit, remove the rubber drainage stopper (fig.7) to allow the tank to drain. When the tank is empty, replace the stopper firmly. Clean the unit and air filter as above, and store in a safe, dry area, out of the reach of children.



fig.8

8. TROUBLE SHOOTING

Symptom	Inspection	Solution
The unit is not working	Check the mains supply	Insert the power cord securely into the wall outlet
	Check if the water level indicator lights up?	Empty the drain pan. See Section 5.10
	Check the room temperature.	The range of operating temperature is 5-35°C
The unit works with reduced capacity	Check if the air duct is blocked	Clear the obstacle.
	Check the air filter for dirt	Clean the air filter. See Section 7
	Check if the room door or window is open.	Keep the door and windows closed.
	Check if the desired operating mode is selected and temperature is properly set.	Set the mode and temperature at proper set-point See Section 5
	The exhaust hose is detached.	Make sure the exhaust hose is securely attached.
Water Leakage	Overflow while moving the unit.	Empty the water tank before transport.
	Check if the drain hose is kinked or bent.	Straighten the hose to avoid a trap existing.
Excessive Noise	Check if the unit is securely positioned.	Place the unit on horizontal and firm ground.
	Check if any loose, vibrating parts.	Secure and tighten the parts.
	Noise sounds like water flowing.	Noise comes from flowing refrigerant. This is normal.
Error Codes	E0	Communication faults between main PCB and display PCB. Check the wire harness of the display PCB for damage.
	E1	Ambient temperature sensor failure Check connection or replace it. To clean or replace the temperature sensor.
	E2	Coil temperature sensor failures. Check connection or replace it. To clean or replace the temperature sensor.
	Ft	Condensate water high level alarm. Empty the drain pan. See Section 5.10



BATTERY REMOVAL

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.



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.



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.

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. Please note that other versions of this product are available. If you require documentation for alternative versions, please email or call our technical team on technical@sealey.co.uk or 01284 757505.

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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