

SIP Industrial Products Limited
Gelders Hall Road
Shepshed
Loughborough
Leicestershire
LE12 9NH
United Kingdom



SIP Air Conditioner 14000BTU



SIP Code 05649

For help or advice please contact
your distributor, or sip directly on:

Tel.: 01509 500400

Email:

sales@sip-group.com

or

customerservice@sip-group.com

www.sip-group.com

Please read and fully understand the instructions in this manual before
operation. Keep this manual safe for future reference.

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SAFETY SYMBOLS USED THROUGHOUT THIS MANUAL



Danger / Caution: Indicates risk of personal injury and / or the possibility of damage



Warning: Risk of electrical injury or damage



Note: Supplementary Information



Important: Please read the following instructions carefully, failure to do so could lead to

SAFETY INSTRUCTIONS

- **IMPORTANT:** Please read the following instructions carefully, failure to do so could lead to serious personal injury and / or damage to the item.
- When using your Air Conditioner, basic safety precautions should always be followed to reduce the risk of fire, electric shock, personal injury and / or damage to the item.
- Read all these instructions before operating the item and save this user manual for future reference.
- SIP recommends that this item should not be modified or used for any application other than that for which it was designed; It was designed for the short term air conditioning of offices, houses etc. If you are unsure of its relative applications do not hesitate to contact us and we will be more than happy to advise you.
- **KNOW YOUR AIR CONDITIONER,:** Read and understand the owner's manual and labels affixed to the item. Learn its applications and limitations, as well as the potential hazards specific to it.

SAFETY INSTRUCTIONS Cont...

- **DO NOT USE THE AIR CONDITIONER, IN DANGEROUS ENVIRONMENTS:** Always provide adequate space around the item.
- **DO NOT OPERATE THE AIR CONDITIONER IN EXPLOSIVE ATMOSPHERES:** Do not use in the presence of flammable liquids, gases, dust or other combustible sources.
- **KEEP CHILDREN AND UNTRAINED PERSONNEL AWAY FROM THE WORK AREA:** All visitors should be kept at a safe distance from the work area.
- **STORE THE AIR CONDITIONER SAFELY WHEN IT IS NOT IN USE:** It should be stored in a dry, locked cupboard, or similar when not in use wherever possible and out of the reach of children.
- **STAY ALERT:** Always watch what you are doing and use common sense.
- **DISCONNECT THE AIR CONDITIONER FROM THE MAINS SUPPLY:** When not in use.
- **AVOID UNINTENTIONAL STARTING:** Make sure the switch is in the OFF position before connecting the item to the mains supply.
- **DO NOT ABUSE THE MAINS LEAD:** Never pull it to remove the plug from the mains socket. Keep the mains lead away from heat, oil and sharp edges. If the mains lead is damaged, it must be replaced by the manufacturer or its service agent or a similarly qualified person in order to avoid unwanted hazards.
- **HAVE YOUR AIR CONDITIONER REPAIRED BY A QUALIFIED PERSON:** The product is in accordance with the relevant safety requirements. Repairs should only be carried out by qualified persons using original spare parts, otherwise this may result in considerable danger to the user. Repairers must be Qualified to service products with flammable refrigerants.
- **WARNING! RISK OF ELECTRIC SHOCK.** Do not expose the air conditioner to water spray, rain, dripping water or moisture of any kind.
- **DANGER!** Check that the Air Conditioner is in sound condition and good working order.
- Take immediate action to repair or replace damaged parts.
- **NEVER** use this Air Conditioner where flammable vapours may be present.
- **NEVER** cover the Air Conditioner, or obstruct the inlet or outlet.
- **NEVER** move or handle Air Conditioner while still hot or on.

SAFETY INSTRUCTIONS Cont...

- ALWAYS locate Air Conditioner on a stable and level surface.
- ALWAYS unplug the Air Conditioner when not in use.
- ALWAYS use recommended parts only - Unapproved parts may be dangerous and will invalidate the warranty.
- Do not leave the Air Conditioner unattended when in use. Switch the item off and unplug from the mains supply before leaving the area.
- NEVER allow children to 'play' with the Air Conditioner - It is not a toy.
- Use only the electrical power (voltage and frequency) specified on the specification label of the Air Conditioner.
- Do not use under temperatures below 15 degrees.
- Do not use the Air Conditioner outside. Exposure to direct sunlight or rain may result in overheating, electric shock or fire.
- Appliance shall be installed, operated and stored in a room in a floor area larger than 12.5m².
- Keep the unit at least 1 metre away from TV or radios to avoid electromagnetic interferences.
- Do not tilt the unit while transporting.
- Empty the condensed drainage pan before putting the unit in storage to prolong the unit lifetime at the end of the season.
- The remote control battery must be removed from the appliance before it is scraped and to be disposed of safely.
- Do not use means to accelerate the defrosting process or to clean, other than those recommended by the manufacturer.
- The appliance shall be stored in a room without continuously operating ignition sources For example: open flames, an operating gas appliance or an operating electric heater. Do not pierce or burn.



Danger / Caution: Indicates risk of personal injury and / or the possibility of damage

- Be aware that refrigerants may not contain an odour.
 - the maximum refrigerant charge amount: 260 g

ELECTRICAL CONNECTION

WARNING! It is the responsibility of the owner and the operator to read, understand and comply with the following:

You must check all electrical products, before use, to ensure that they are safe. You must inspect power cables, plugs, sockets and any other connectors for wear or damage.

You must ensure that the risk of electric shock is minimised by the installation of appropriate safety devices; A residual current circuit Breaker (RCCB) should be incorporated in the main distribution board. We also recommend that a residual current Device (RCD) is used. It is particularly important to use an RCD with portable products that are plugged into a supply which is not protected by an RCCB. If in any doubt consult a qualified electrician.

Connecting to the power supply:

This SIP Air Conditioner is fitted with a standard 230v ~ 13 amp type plug. Before using the Air Conditioner, inspect the mains lead and plug to ensure that neither are damaged. If any damage is visible have the item inspected / repaired by a suitably qualified person. If it is necessary to replace the plug a heavy duty impact resistant plug would be preferable.

The wires for the plug are coloured in the following way:

Yellow / Green - Earth:

Blue - Neutral:

Brown - Live



As the colours of the wires may not correspond with the markings in your plug, proceed as follows: The wire which is coloured blue, must be connected to the terminal marked with N or coloured black. The wire which is coloured brown, must be connected to the terminal, which is marked L or coloured red. The wire which is coloured yellow / green should be connected to the terminal which is coloured the same or marked.

Always secure the wires in the plug terminal carefully and tightly. Secure the cable in the cord grip carefully.

ELECTRICAL CONNECTION Cont...



Warning: Never connect live or neutral wires to the earth terminal of the plug. Only fit an approved plug with the correct rated fuse (13 amp). If in doubt consult a qualified electrician.



Note: Always make sure the mains supply is of the correct voltage and the correct fuse protection is used. In the event of replacing the fuse always use a 13 amp fuse. Do not use other high powered items on the same electrical circuit.



Note: Due to the input current of the item, an extension lead should not be used to connect the item to the mains supply; If an extension lead is connected, the correct size and quality must be ensured to avoid any incident.

The protective device may cut the power off in the situations listed below.

- **Cooling** - Indoor Air temperature is over 43°C.
- Room temperature is below 15°C.
- **Dehumidifying** - Room temperature is below 15°C.
- **Heating** - Room temperature is over 31°C.

The protective device may cut the power off for 3 minutes in the situations listed below:-

- After operations stops or a change of mode.
- If the unit is unplugged without switching off the device before. Moreover, it will return to the original mode and the timer should be set again.

TECHNICAL SPECIFICATIONS

<i>Model</i>	<i>05649 14000BTU Air Conditioner</i>
<i>Mains Input Supply</i>	230v 50Hz
<i>Cooling Capacity</i>	4000w / 13651BTU
<i>Cooling Input Power / Current</i>	1500w / 6.9A
<i>Heating Capacity</i>	3000w / 10238BTU
<i>Heating Capacity Power / Current</i>	1250w / 5.7A
<i>De-humifying Capacity</i>	36Litres / Day
<i>Air Flow Volume</i>	400m ³ /h
<i>Working Area</i>	21 - 27m ³
<i>Refrigerant Type</i>	R290 / 260g
<i>Rated Energy Effi Ratio (EER_{rated}) / Class</i>	2.6 / A
<i>Global Warming Potential</i>	3 kg CO ²
<i>Noise</i>	L _p A: 54dB(A) / L _w A: 65dB(A)
<i>Product Dimensions W x D x H</i>	440 x 335 x 710mm
<i>Packaged Dimensions W x D x H</i>	470 x 380 x 880mm
<i>Net Weight</i>	31kg

GUARANTEE

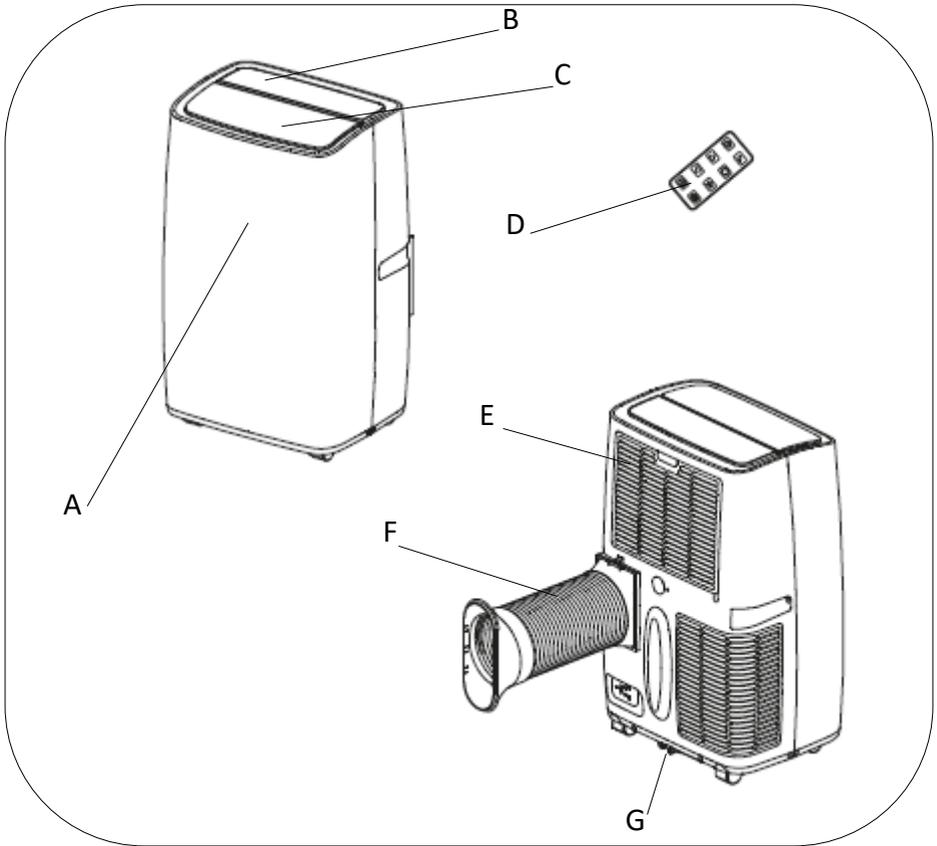
This SIP Air Conditioner is covered by a 24 month parts and labour warranty covering failure due to manufacturers defects. This does not cover failure due to misuse or operating the machine outside the scope of this manual.

In the unlikely event of warranty claims, contact your distributor as soon as possible. Proof of purchase will be required before any warranty can be honoured.



Note: Proof of purchase will be required before any warranty can be honoured.

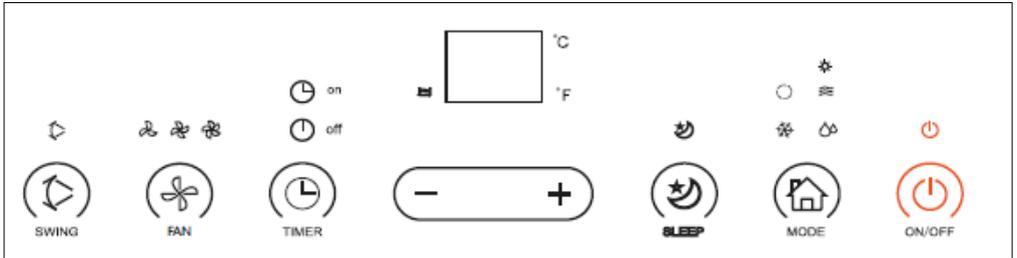
GETTING TO KNOW YOUR AIR CONDITIONER



<i>Item</i>	<i>Description</i>	<i>Item</i>	<i>Description</i>
<i>A</i>	Remote Signal Receptor (Hidden)	<i>E</i>	Air Intake
<i>B</i>	Control Panel	<i>F</i>	Air Outlet Hose
<i>C</i>	Cold Air Outlet	<i>G</i>	Primary Drain Port
<i>D</i>	Remote Control		

*** Image for representative purposes; image may differ to actual product.**

GETTING TO KNOW YOUR AIR CONDITIONER - CONTROL PANEL



Push Buttons

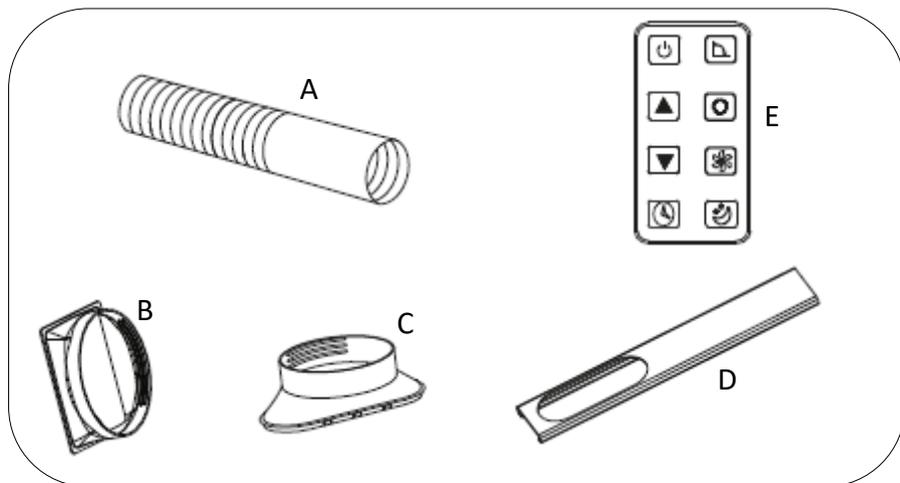
	Power Button		Speed Button		Timer / Temp Up Button
	Timer Button		Mode Button		Timer / Temp Down Button
	Sleep Button		Auto Swing Button		

Indicators

	Low Fan Speed		Cooling		Heating
	Medium Fan Speed		Dehumidify		Time Off
	High Fan Speed		Automatic		Time On
	Fan		Auto Swing		

INSTALLATION INSTRUCTIONS

ACCESSORY IDENTIFICATION



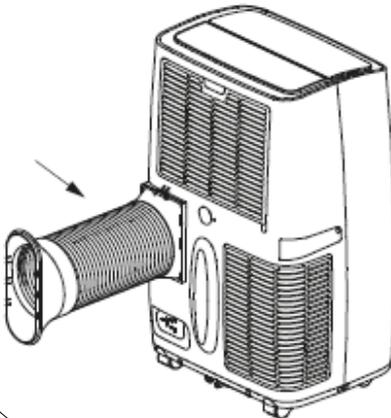
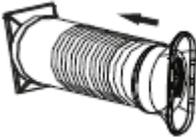
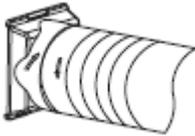
A	Air Exhaust Hose / Duct	D	Window Exhaust Adaptor
B	Machine Duct Adaptor	E	Remote Control
C	Fish Tail Exhaust Nozzle		

LOCATION

- Beside a window, a door or French / Patio window
- Keep a distance of 600mm from the duct outlet to the exhaust area / window
- Fix one end of the exhaust hose / duct to the adaptor on the rear of the appliance
- With the fishtail adaptor fitted to the hose / duct, extend the hose / duct to the discharge point; window, door or French / patio window
- Do not obstruct the air outlet / discharge area

INSTALLATION INSTRUCTIONS Cont...

HOSE / DUCT INSTALLATION



1. Expand the air exhaust hose / duct by drawing out both ends of the duct.

2. Screw the air duct hose on to the adaptor (B).

3. Screw the fishtail exhaust adaptor (C) onto the air duct hose.

4. Slide the adaptor (B) into place on the rear of the appliance.

The assembly can now be fitted to window adaptor (D) or the fishtail adaptor (C) placed outside the area of cooling.

OPERATING INSTRUCTIONS

CONTROL PANEL

1. Turning on the unit:

Plug in & switch on the wall socket; the unit will bleep once.

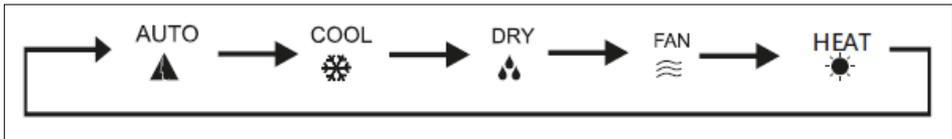
Press the  button. The LED displays the room temperature.

Press the button again to turn off.

2. Select Operating Mode:

Press the  button to select require mode. The process flow will be as shown below.

Wait for your chosen mode indicator to flash and let go. The mode is now selected.



3. Temperature Adjustment.

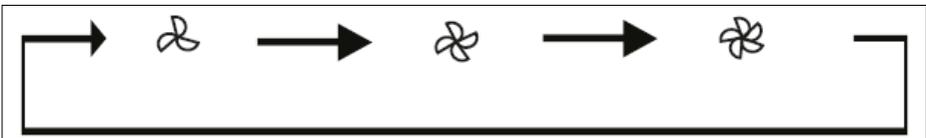
In cool mode the temperature can be set within the range of 15°C to 31°C.

Press “+” or “-” button to increase or decrease the temperature by 1°C each time the button is pressed.

The LED shows the target temperature for 5 seconds and then displays the room temperature. To change the temperature from Celsius to Fahrenheit, press the “+” and “-” simultaneously when the unit is switched on. The corresponding indicator will light up.

4. Fan Speed Adjustment:

Press the  button to select the desired speed as shown below:



OPERATING CONDITIONS

- **Automatic Mode:** 

Once the  operation is selected the internal temperature sensor will operate automatically to select the designed mode   or 

When the room temperature is $> 24^{\circ}\text{C}$, the unit will automatically select  mode.

When the room temperature = 23°C , the unit will automatically select  mode.

When the room temperature $< 22^{\circ}\text{C}$, the unit will automatically select  mode.

- **Dehumidify Mode:** 

The centrifugal fan will run at low speed and can't be adjusted.

The unit adopts constant temperature dehumidifying mode, and the adjustment of the temperature is not effective.

Connect a drain hose to the unit if being used on dehumidifying for long periods.

- **Cooling Mode:** 

When the room temperature is higher than the set temperature the compressor starts to run.

When the room temperature is lower than the set temperature the compressor stops and the upper fan operates at the original speed.

- **Heating Mode:** 

Always set the temperature to maximum to enable function to start, adjust temperature once heating starts:

When the room temperature is lower than the set temperature the unit will start the heating function.

When the room temperature is higher than the set temperature the unit will stop the heating function.

- **Fan Mode:** 

The fan runs at set speed and the compressor does not run.

The adjustments of temperature is not effective.

OPERATING INSTRUCTIONS Cont...

- **Timer ON/OFF function:** 

Press “Timer” button to set Automatically Off time while the unit is running, the timer icon (h) light is on.

Press “Timer” button to set Automatically On time while the unit is in standby, the timer icon (h) light is on.

The time can be adjusted within a range of 1 hour to 24 hours. Press the temp up (+) or temp down (-) button to increase or decrease the time 1 hour by pressing once.

- **Sleep Mode:** 

The sleep mode operation is effective when the unit is in heating or cooling modes.

Press the  button in cooling mode, the fan will turn to low speed automatically.

The set temperature will increase 1°C after one hour, and increase 2°C after two hours. After six hours the unit will stop running.

Press the  button in heating mode, the fan will turn to low speed automatically.

The set temperature will decrease 1°C after one hour, and decrease 2°C after two hours. After six hours the unit will stop running.

- **Child Lock:**

Press and hold the  button for a 5 seconds and the display will show “LC” and the child lock function will be enabled.

To disable press the sleep function button again for 5 seconds.

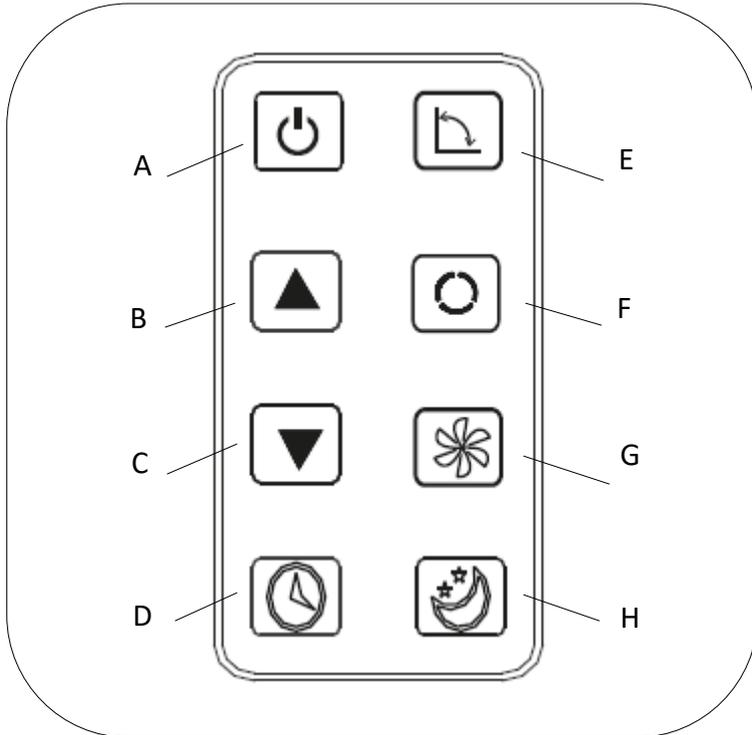
- **Automatic Swing:** 

When the swing button is activated the louvres on the outlet grill will move up & down automatically. To stop press the button again.

NOTE: With the exception of “Auto” mode, the unit will remember the last settings used before being switched off.

OPERATING INSTRUCTIONS Cont...

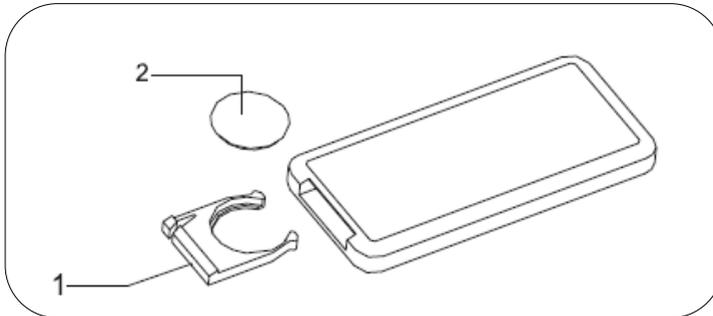
REMOTE CONTROL



A		On / Off Button
B		Time / Temperature Increase
C		Time / Temperature Decrease
D		Automatic On / Off Timer
E		Auto Swing On / Off
F		Operation Select Button
G		Fan Speed Selection
H		Sleep Mode Operation

BATTERY INSTALLATION

Slide the battery cover to open; be sure the direction is correct.



1. Open the battery cover.
2. Take any insulating material off the battery and insert in the battery slot. Make sure that the anode "+" & cathode "-" faces are the correct way around. Put the battery cover into the remote.



Note: Always dispose used batteries safely and appropriately. Contact you local council for advice.



Note: Replacement battery is CR2025 type (3v Lithium).
Battery not covered under warranty

Using the remote control:

To operate the air conditioner using the remote, just aim the remote control at the signal receptor. The unidirectional remote control will operate the air conditioner at a distance of up to 5mtrs. (see item A page 10).

MAINTENANCE & PROTECTION

Appliance Maintenance

- 1 Unplug from the mains supply



- 2 Wipe with a soft, dry cloth

If the appliance is very dirty use a cloth with lukewarm water (40°C / 104°C)

Remove excess water from cloth!



Use a dry and soft cloth to clean it.

- 3 Never use combustible substances to clean the appliance



- 4 Avoid contact with water!



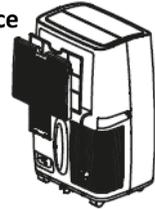
DANGER!
Electric Shock

Air Filter Maintenance

Clean the air filter every 100 hours.

Clean as follows:

- 1 Switch off appliance & remove filter



- 2 Clean & re-install air filter

Wash in mild detergent in lukewarm water.

After cleaning, dry in a warm shaded place, then re-install it



- 3 Clean filter every 2 weeks if used in an extremely dusty

Additional Information

1. If the appliance is not used for long periods, remove primary & secondary rubber drain plugs & drain any water. Occasionally run the appliance with just the fan running for half a day to dry out unit & prevent mould.
2. Unplug the appliance, remove the remote control batteries. Remove duct / hose and store the appliance in cool dry conditions.

MAINTENANCE & PROTECTION Cont...

Water Drain

Reminder: Condensing water is recycled within this unit.

The condensing water is recycled between the condenser and the water plate.

When the water level rises to the upper level, the *float switch* and *water full* indicator (E4) lights; the water will need to be drain off.

Switch & unplug the appliance, move the appliance to a suitable place, remove the drain plug, drain water completely.

After draining, re-install the drain plug, to prevent the appliance leaking on to the floor.

The appliance is suitable for continuous draining if sited in the correct area.

Warning: The internal protective device may trip in the following cases:-

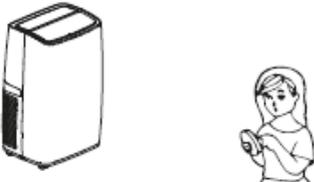
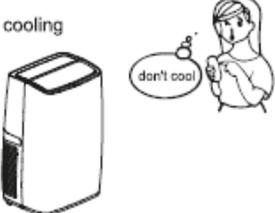


Cooling	Indoor air temperature is over 43°C
	Room temperature is below 15°C
Dehumidifying	Room temperature is below 15°C



Warning: If the air conditioner runs in Cooling or Dry mode with the door or window open for a long time, with relative humidity above 80%, condensate may drip down from the outlet

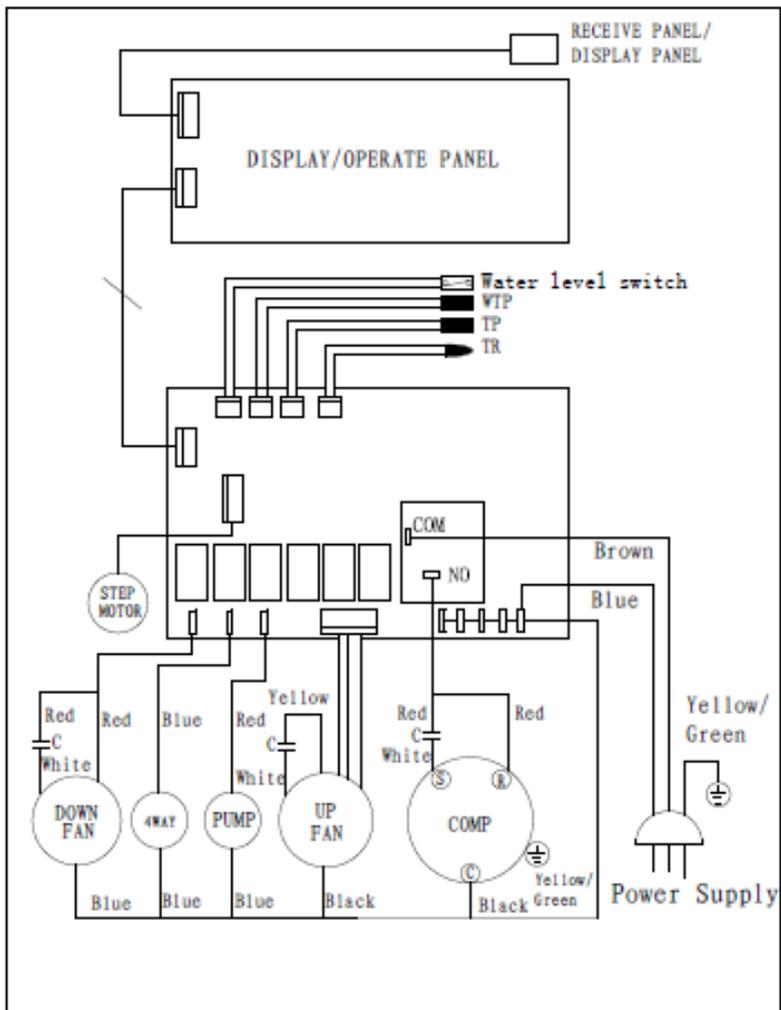
TROUBLESHOOTING

FAULT	REMEDY
<p>Does not run</p> 	<ul style="list-style-type: none"> • If the protector trip or fuse is blown. • Please wait for 3 minutes and start again, protector device may be preventing unit from working. • If batteries in the remote controller are exhausted. • If the plug is not properly plugged in.
<p>Runs for a short while only</p> 	<ul style="list-style-type: none"> • If the set temperature is close to room temperature, you can lower the set temperature. • Air outlet is blocked by obstacle. Take the obstacle away.
<p>Runs but not cooling</p> 	<ul style="list-style-type: none"> • If the door or window is open. • If there is another appliance heat-working, like heater or lamp, etc. . • The air filter is dirty, please clean it. • Air outlet or intake is blocked. • Set temperature is too high.
<p>Water leak during moving</p> 	<ul style="list-style-type: none"> • Drain the condensate before moving. • To avoid water leakage, please locate the unit on flat ground..
<p>Does not run and water full indicator "E4"</p> 	<ul style="list-style-type: none"> • Pull out the rubber plug to drain water. • If it is often in this state, please contact qualified service technical.

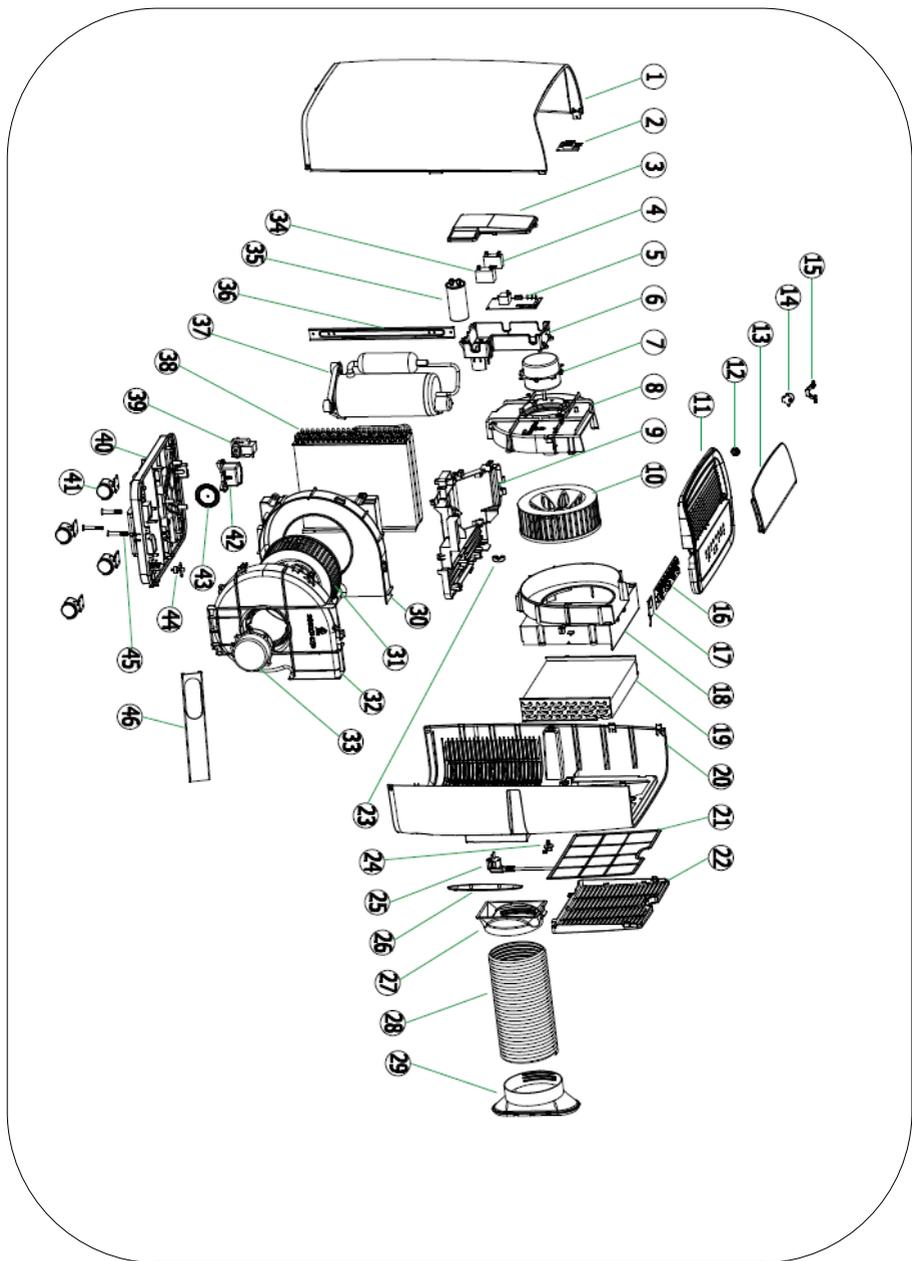
TROUBLESHOOTING *Cont...*

Failures	Causes	Solutions
Machine fails to start up.	Power supply failure: 1. Not plugged; 2. Plug or socket damaged; 3. Fuse broken.	1. Plug in; 2. Replace the power cord or socket; 3. Replace the fuse by service provider (Specification: 3.15A/250VAC).
Machine automatically stops.	TIMING shut down or set temperature reached.	Restart or wait for auto-switch.
No cold air under COOLING mode.	1. Room temperature lower than set temperature; 2. Machine enters into anti-frost protection.	1. This is a normal phenomenon, the machine will auto-switch while the room temperature is higher than the set temperature; 2. The machine will auto switch after anti-frost protection is over.
LED displays failure code "E2"	Room temperature sensor fails or damaged.	Replace the room temperature sensor.
LED displays failure code "E3"	The evaporator oil pipe sensor fails or damaged.	Replace the evaporator coil pipe sensor.
LED displays failure code "E4"	Water-full warning.	Drain out the water.

WIRING DIAGRAM



EXPLODED DRAWING



PARTS LIST

<i>Item</i>	<i>Description</i>	<i>Item</i>	<i>Description</i>	<i>Item</i>	<i>Description</i>
1	Front Cover	17	Connector	33	Fan Motor
2	Digital Display	18	Duct - Rear	34	Capacitor
3	Electrical Control Panel	19	Evaporator	35	Capacitor
4	Motor Capacitor	20	Rear Cover	36	Bracket
5	Power Panel	21	Filter	37	Compressor Assy
6	Electrical Enclosure	22	Filter Cover	38	Condenser
7	Internal Motor	23	Cable Clamp	39	Motor
8	Duct - Front	24	Clip	40	Chassis Plate
9	Centre Moulding	25	Mains Cable	41	Caster
10	Inner Fan Wheel	26	Trim	42	Motor Cover
11	Top Cover	27	Exhaust Adaptor	43	Condensing Wheel
12	Grommet	28	Duct / Hose	44	Float Switch
13	Swing Louvre	29	Fish Tail Adaptor	45	Bolt
14	Swing Motor	30	Duct - Left	46	Window Sliding Adapter
15	Bracket	31	Fan		
16	Control PCB	32	Duct - Right		

UK - DECLARATION OF CONFORMITY

We

SIP (Industrial Products) Ltd
Gelders Hall Road
Shepshed Loughborough
Leicestershire
LE12 9NH
England

As the manufacturer within England, Scotland and Wales, we declare that the

SIP 14000BTU Air Conditioner 230v SIP Item Number 05649

Conforms to the requirements of the following regulation(s), as indicated:

Electrical Equipment (Safety) Regulations 2016
Electromagnetic Compatibility Regulations 2016
The Restriction of the Use of Certain Hazardous Substances in
Electrical and Electronic Equipment Regulations 2012

And the following harmonised standard(s):

BS EN 55014-1:2017
BS EN 55014-2:2015
BS EN 61000-3-2:2019
BS EN IEC 61000-3-2:2019
BS EN 61000-3-3:2013/A1:2019
BS EN 60335-1:2012/A2:2019
BS EN 60335-2-40:2003+A13:2012
BS EN 62233:2008



Signed.

Mr. Paul Ippaso

Managing Director

SIP (Industrial Products) Ltd

Date: 21 November 2023



EU - DECLARATION OF CONFORMITY

We

SIP Machinery Europe Ltd
Quayside Business Park
Dundalk
County Louth

As the manufacturer within England, Scotland and Wales, we declare that the

SIP 14000BTU Air Conditioner230v SIP Item Number 05649

Conforms to the requirements of the following directive(s), as indicated:

EMC 2014/30/EU
Low Voltage Directive 2014/35/EU
RoHS 2011/65/EU & 2015/863/EU

And the following harmonised standard(s):

EN 55014-1:2017
EN 55014-2:2015
EN 61000-3-2:2019
EN IEC 61000-3-2:2019
EN 61000-3-3:2013/A1:2019
EN 60335-1:2012/A2:2019
EN 60335-2-40:2003+A13:2012
EN 62233:2008



Signed.

Mr. Paul Ippaso

Managing Director

SIP (Machinery Europe) Ltd

Date: 21 November 2023



Please dispose of packaging for the product in a responsible manner. It is suitable for recycling. Help to protect the environment, take the packaging to the local amenity tip and place into the appropriate recycling bin.

Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.



FOR HELP OR ADVICE ON THIS PRODUCT
PLEASE CONTACT YOUR DISTRIBUTOR,
OR SIP
DIRECTLY ON:
TEL: 01509 500400
EMAIL:
sales@sip-group.com
or
customerservice@sip-group.com
www.sip-group.com