



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.

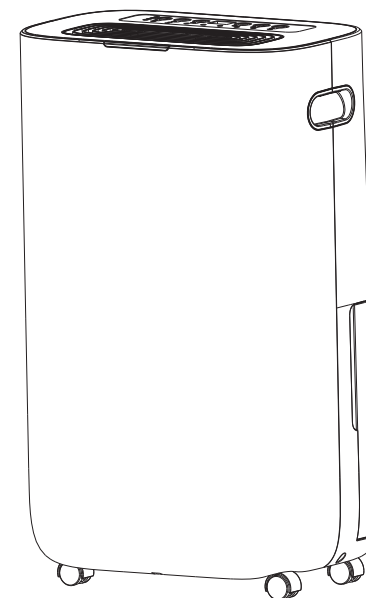


Never dispose of electrical equipment or batteries in with your domestic waste. If your supplier offers a disposal facility please use it or alternatively use a recognised recycling agent. This will allow the recycling of raw materials and help protect the environment.



machinery specialists since 1968

05648 SIP 20L Dehumidifier



For help or advice on this product, please contact your distributor.

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

Declaration of Conformity

We

SIP (Machinery Europe) Ltd
ASM Chartered Accountants
First Floor Block One
Quayside Business Park
Dundalk
County Louth
Republic of Ireland

As the manufacturer's authorised representative
within the EC declare that the

SIP 20L Dehumidifier - SIP Part. No. 05648

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

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

And the relevant harmonised standard(s), including

EN 55014-1:2017
EN 55014-2:2015
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 P. Ippaso - Director - SIP (Industrial Products) Ltd
Date: 29/06/2021



Declaration of Conformity

We

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

As the manufacturer within the UK, England, Scotland &
Wales, declare that the

SIP 20L Dehumidifier - SIP Part. No. 05648


Conforms to the requirements of the following directive(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 relevant harmonised standard(s), including

BS EN 55014-1:2017
BS EN 55014-2:2015
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

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Signed: 

Mr P. Ippaso - Director - SIP (Industrial Products) Ltd
Date: 29/06/2021

**UK
CA**



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



Warning: Risk of electrical injury or damage!



Note: Supplementary Information.

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 dehumidifier, 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 dehumidifying 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 DEHUMIDIFIER:** 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.
- **DO NOT USE THE DEHUMIDIFIER IN DANGEROUS ENVIRONMENTS:** Always provide adequate space around the item.
- **DO NOT OPERATE THE DEHUMIDIFIER 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 DEHUMIDIFIER 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.

If some of these situations stated below appear, nothing is wrong with the item.

Situation	Reason
Operation stops occasionally	The unit is defrosting .
Dehumidified volume is small	Dehumidifier volume might be less when the room temperature is low. The unit stops dehumidifying because the humidity in a room drops to 60 % or less in "Automatic" mode.
The humidity in a room is still high	The room size may be too large. The doors or the windows of the room may be opened and /or closed frequently. The dehumidifier is used together with a kerosene heater which emits vapour.
Bad smell during operation	Smell is emitted from the walls, furniture or other objects.
Sound is produced within the unit	Circulation of the refrigerant may cause sound until it is stable.
Water is left in the water tank	The water is left because the unit is subjected to dehumidifying test in
The buzzer sounds	water tank is full of water.

- STAY ALERT: Always watch what you are doing and use common sense.
- DISCONNECT THE DEHUMIDIFIER 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 carry by the mains lead or 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 DEHUMIDIFIER REPAIRED BY A QUALIFIED PERSON: The dehumidifier 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. Repairer **must** be **Qualified** in flammable refrigerants.
- WARNING! RISK OF ELECTRIC SHOCK. Do not expose the dehumidifier to water spray, rain, dripping water or moisture of any kind.
- DANGER! Check that the dehumidifier is in sound condition and good working order. Take immediate action to repair or replace damaged parts.
- WARNING! Do not use the item near flammable material, liquids, solids, gases or compressed gas cylinders.
- NEVER use this dehumidifier where flammable vapours may be present.
- NEVER cover the dehumidifier, or obstruct the inlet or outlet.
- NEVER move or handle dehumidifier while still hot or on.
- ALWAYS locate dehumidifier on a stable and level surface.
- ALWAYS unplug the dehumidifier when not in use.
- ALWAYS recommended parts only - Unapproved parts may be dangerous and will invalidate the warranty.
- Do not leave the item 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 dehumidifier - It is not a toy.
- Use only the electrical power (voltage and frequency) specified on the specification label of the item.
- Do not use under temperatures below 15 degrees.
- Do not use the dehumidifier 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 4m².
- This dehumidifier does not have cooling function. It may produce an little increase of temperature by 1 to 4 °C in the area located.
- For safety purpose, the dehumidifying operation will be stopped automatically and changed to the air cleaning operation when the ambient temperature is higher than approx. 32C.
- Keep the unit at least 1 meter away from TV or radios to avoid electromagnetic interferences.



WARNING

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.
Be aware that refrigerants may not contain an odour.

- the maximum refrigerant charge amount: 60 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 dehumidifier is fitted with a standard 230v ~ 13 amp type plug. Before using the item, 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:

Prior to proceed with any repair or further action, please ensure these points have been reviewed.

Problem	Situation	Remedy
No operation	<ul style="list-style-type: none">- Check to see if the power plug is disconnected.- Check to see if the water tank is full of water.- Check to see if the water tank is not set properly in position.- Check to see if all the flaps are closed.	<ul style="list-style-type: none">- Insert the plug into an electric outlet fully and securely.- Empty the water out of the tank.- Set the tank to the unit properly in position.- Open one of the flaps.
Dehumidified volume is small	<ul style="list-style-type: none">- To see if the filters get dirty.- Check to see if the air openings are blocked up.- Check to see if the dehumidifier is in air clean mode.	<ul style="list-style-type: none">- Clean the filters as specified.- Remove obstacles from the air openings.- Change the operation mode to the dehumidifying mode.
Loud sound while operating	<ul style="list-style-type: none">- Check to see if the unit is not installed as specified.	<ul style="list-style-type: none">- Install the unit on a level and stable floor.
Operation stops during spot dehumidifying	<ul style="list-style-type: none">- Check to see if the room temperature is higher than the usable operating temperature.	<ul style="list-style-type: none">- The dehumidifying operation will be started automatically when the temperature lowers.
Washed clothes are not dried	<ul style="list-style-type: none">- Check to see if washed clothes are not exposed to the air from the unit.- Check to see if the room temperature is too low.	<ul style="list-style-type: none">- Try to expose the washed clothes to the air flow.- Washed clothes are hard to be dried under low temperature conditions.

Storage

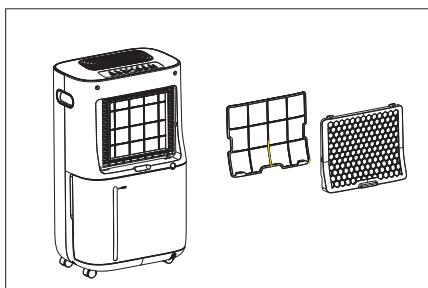
1. Unplug the unit, roll the power cord, and hang the cord at the back of the unit.
2. Empty the water out of water tank, wipe the tank with a dry rag and place it again in position. Do not use corrosive chemicals.
3. Clean the air filter.
4. Stand the unit upright and avoid the exposure to the direct sunlight.

Air Intake

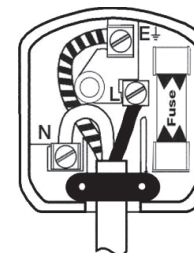
The efficiency of the dehumidifier will decrease if the air intake is blocked with dust or particles.

Disassemble the active carbon filter as it is stated in the previous page. Use a vacuum cleaner and clean the dust on the filter smoothly before wash it with water and neutral detergent.

Do the same with both cases which cover the filter and make sure they are clean of dust and particles.



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.



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.

TECHNICAL SPECIFICATIONS

Part Number	05648
Input Voltage	230v ~ 50hz
Rated Input Current:	1.48A (27°C 60%)
Rated Input Power:	320W (27°C 60%)
Dehumidify Capacity:	20L/day (30°C 80%) 10L/day (27°C 60%)
Water Tank Capacity:	6.5L
Airflow:	195m3/h
Sound Pressure Level:	48dB(A)
Refrigerant Charge:	R290/60g
Suction Side Pressure:	1.2MPa
Discharge Side Pressure:	2.5MPa
Weight	14.5kg

GUARANTEE

This SIP dehumidifier is covered by a 12 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.



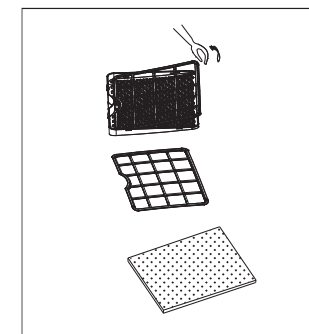
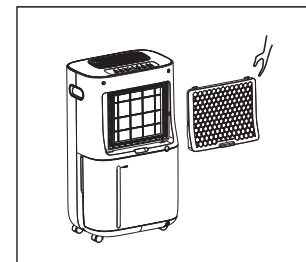
Note: Proof of purchase will be required before any warranty can be honoured.

MAINTENANCE

- DO NOT perform any further maintenance task than the stated below this section.
- This item must NOT be tampered.

Set up the active carbon filter

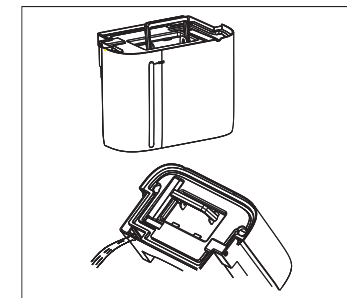
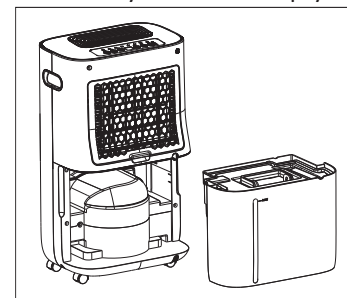
1. Remove the filter holder from the front cover.
2. Disassembly the filter holder (2 parts).
3. Place the carbon filter on the middle of the assembly and close it properly. Ensure none of the edges is smashing the carbon filter and fits well.



Water Tank

The dehumidifier will not operate when the water tank is full or it is not set properly. When the tank is full of water, the dehumidifier stops operating automatically and the buzzer sounds.

- Pull the water tank out when it is full using the concave area (finger indent).
- Push the tank and ensure it fits correctly.
- Use the carry handle to empty the water tank.

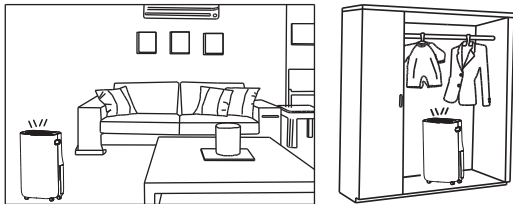


Defrosting Operation

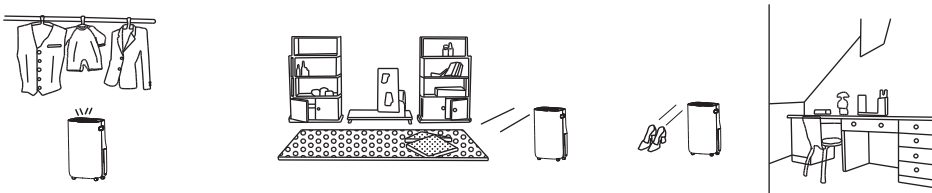
- The dehumidifying function and the air cleaning function stop during the defrosting operation.
- Do not disconnect the plug of the unit or turn off the unit during the defrosting.
- This dehumidifier is not suitable for keeping the humidity very low (approx. 50%).
- This dehumidifier is designed to remove uncomfortable humidity in daily life and to use for auxiliary drying of washed clothes indoors.

Functions Selection

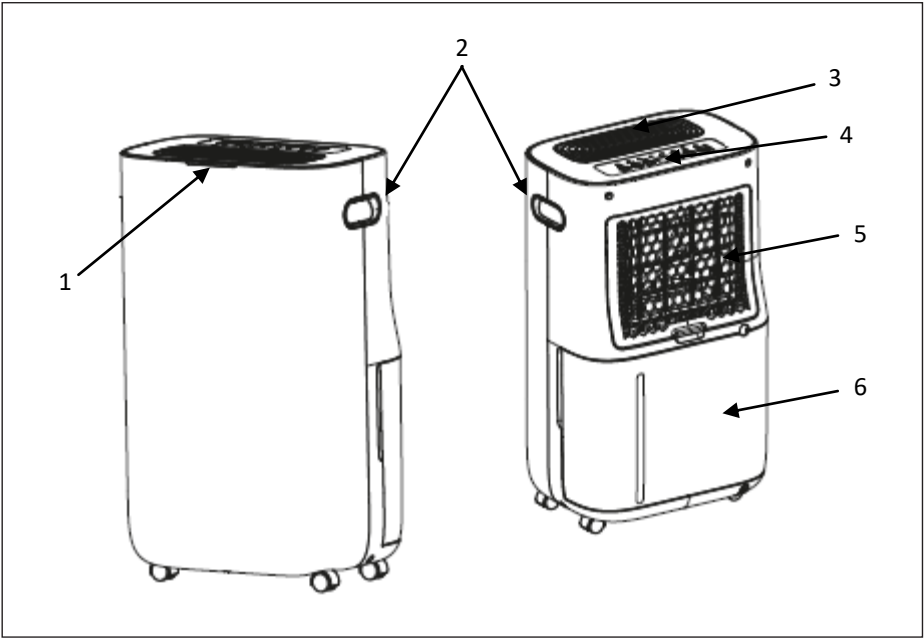
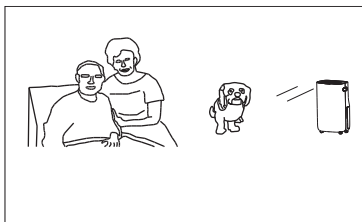
- To dehumidify a room or a closet. Press *Target Humidity* (G) + *Up/Down* (B)



- To dry washed clothes faster, dry a carpet/rug or shoes. Press *Dry Clothes* (F)



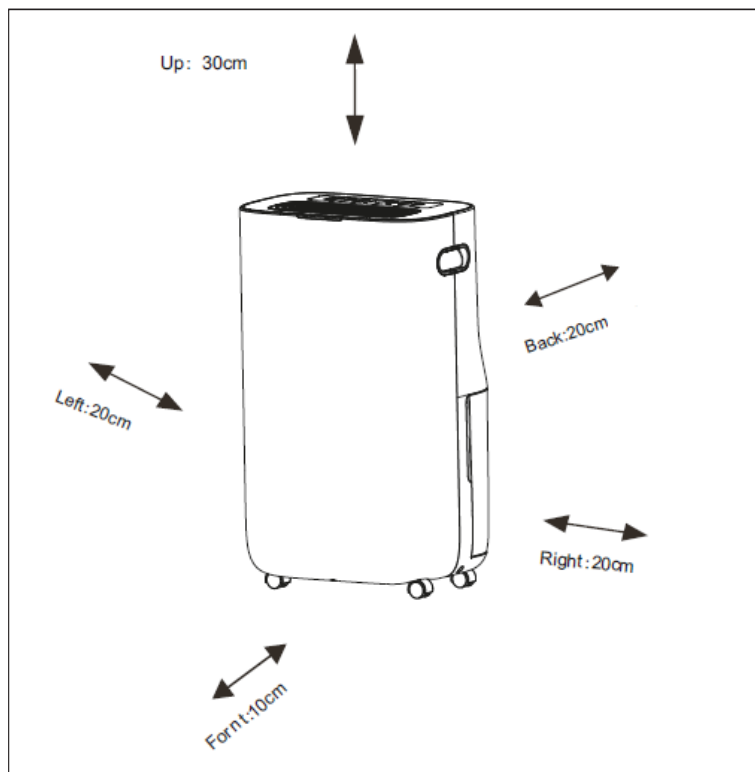
- To clean the air in a closed area. Press *Air Clean* (H)



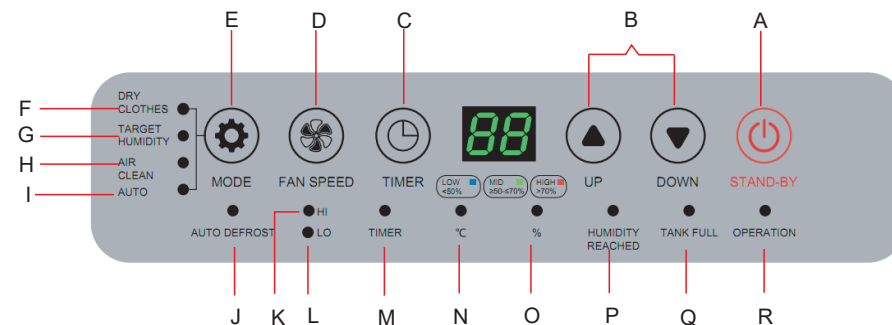
Item No.	Description	Item No.	Description
1.	Light	4.	Controls
2.	Handles	5.	Air intake
3.	Air outlet	6.	Water tank

POSITIONING

For efficient and safe operation of the dehumidifier, it must be positioned with the minimum distances showed in the picture below.



OPERATING INSTRUCTIONS



- A. On/Off switch:
- B. UP / DOWN buttons : Press *UP* / *DOWN* to set Humidity or Timer , the LED displays Humidity or Timer value respectively. Keep pressing *UP* 3 seconds then displays room temperature value.
- C. Timer: Press it to set the end time, *TIMER* indicator is turned on. It can be cycled from 00-24hrs with setting *UP* /*DOWN* key, one step 1h. Once *TIMER* is set, press *TIMER* key, the remaining time will show and flash. Continuous pressing while time value is flashing, timer value is changed to 00 (re-set).
- D. Fan Speed: Press it to adjust the Fan Speed HI/LOW, and the relative indicator is turned on.
- E. Mode:When pressing mode of *DRY CLOTHES*, *NORMAL OPERATION* and *AIR CLEAN* automatic. The relative indicator will be showing.
- F. DRY CLOTHES indicator.
- G. NORMAL OPERATION indicator.
- H. AIR CLEAN indicator.
- I. AUTOMATIC indicator.
- J. DEFROST indicator: When the indicator glows, the unit is under defrosting. Fan working + Compressor off.
- K. HIGH Fan Speed indicator.
- L. LOW Fan Speed indicator.
- M. TIMER indicator.
- N. TEMPERATURE indicator: When it glows, LED displays room Temperature value.
- O. % HUMIDITY indicator: When it glows, LED displays room relative Humidity value.
- P. TARGET HUMIDITY indicator: When the room humidity reaches the SET RH value, the indicator glows.
- Q. TANK FULL indicator: When water tank is full, the indicator glows, and the whole unit is off working. The unit will work again after empty the tank.
- R. POWER indicator: When the unit is turned on, the indicator glows. When the unit is under stand by, the indicator is flashing.

NOTE: Press and hold "Timer" button for 3 seconds, Child Lock / Panel Lock will be engaged and the display will show "LC". To turn off "LC" press and hold Timer button again for 3 seconds.