

SHARP DW-D12A Dehumidifier User Manual

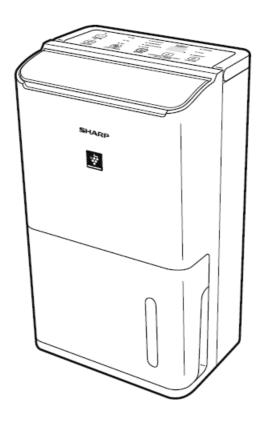
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User Manual

The number in this technology mark refers to the approximate quantity of ions per cm3 of air released from the dehumidifier equipped with a high-concentration Plasmacluster ion generating unit which was measured at the center point (1.2 meter height above the floor) of high-concentration Plasmacluster 7,000 applicable floor area room(temperature 28°C, humidity 50%) when the dehumidifier was placed against the wall and runs in laundry mode and the swing louver is set to full open position.

Device of this mark is a trademark of Sharp Corporation. Plasmacluster is a registered trademark or a trademark of Sharp Corporation.

Do not use the product for commercial purposes.

FEATURES

The dehumidifier deodorizes, cleans and quickly dries clothes hung up in the room by using the high-concentration Plasmacluster Ion (PCI) technology and the powerful dehumidifying function.



CLOTHES DRYING 4



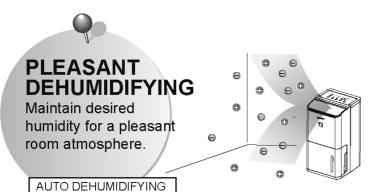
Quickly dry laundry with maximum air flow, and stop automatically. The dehumidifying and air supply functions work together to effectively dry clothes hung up in the room. The dehumidifier will stop automatically after the clothes are dried.

LAUNDRY DRYING



AUTO SWING

The dehumidifier swings its louvers over a wide angle to dry and dehumidify a large area.



LARGE WATER TANK

The dehumidifier comes with a 4.0L water tank which can fully meet the dehumidifying requirement.

Continuous drainage is enabled.



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SAFETY PRECAUTIONS

To prevent any possible injury to persons or damage to property, be sure to follow the basic safety precautions, including the following:

The degree of injury or damage resulting from incorrect use or operation while ignoring the indicated matters is classified and explained with the following symbols.

WARNINGS: Indicates a potentially hazardous situation which, if not avoided, could result in serious injuries or even death.

CAUTION: Indicates a potentially hazardous situation which, if not avoided, could result in personal injury or property damage.

The precautions to be observed are indicated with the following symbols and signs.



Indicates a prohibited action.



Indicates a mandatory action.

WARNING

Power Plug, Power Cord



- Do not connect the unit from extension cord or multiple wiring with other electronic appliances. (Otherwise, electric shock, fire or overheat may be caused.)
- Do not damage the power cord.
- Do not process, forcibly bend, pull by force, twist or bind the power cord.
- Do not place heavy objects on the power cord, or apply too much force to it.
- Do not attempt to replace the power cord on your own.
- Do not damage the power cord while moving the unit on its casters.
 (Otherwise, fire or electric shock may be caused.)
- Do not use other than the rated voltage 220V (50Hz).
- Do not operate or stop the unit by using the power plug.
 (Otherwise, electric shock or fire may be caused.)



- In case of an exception (e.g., burnt smell), be sure to immediately shut the unit down and remove its power plug.
- Make sure there is no dust on the power plug and insert it into the outlet completely. Any dust around the power plug should be wiped off with a dry cloth periodically.

(Accumulated dust may result in poor insulation from humidity, etc., thereby causing fire or electric shock.)

• If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities or lack of experience and knowledge unless they have been given supervision or instruction concerning use of the appliance 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.

Main Unit



• Do not make modifications. Disassembly, repairing, modifications shall not be made by a person other than the service engineer.

(Otherwise, fire, electric shock or injury may be caused.)

- Do not place spray cans close to the main unit. (Besides, do not use flammable hazardous materials (gasoline, thinner, etc.) near the main unit. Otherwise, ignition of fire, explosion may occur.)
- Do not put fingers or foreign objects (pin, needle, stick, etc.) into the air outlet or air intake. (The fan is rotating at high speed inside. Injury, electric shock and malfunction may occur.)

Do not place the unit near heating appliances.
 (Otherwise, plastic parts will melt and fire ignition may occur.)

CAUTION

Power Plug, Power Cord

- Always hold the power plug when unplugging the unit.
 (Otherwise, fire, electric shock, short circuit may occur.)
- If you are planning not to use the unit for a long time, unplug the power plug from outlet for safety. (Otherwise, electric shock, electric leakage or fire may be caused.)
- During maintenance, be sure to power off the dehumidifier and remove the power plug from the socket

During Usage



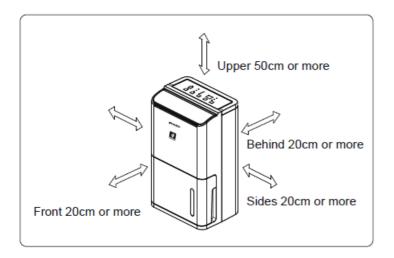
- For the vulnerable floor, uneven floor or long wool carpet, lift the main unit when you move it. (Otherwise, the floor or carpet may be scratched).
- Do not overturn or drop the main unit. Do not store or move the dehumidifier when the main unit is overturned. (Otherwise, equipment damage or malfunction such as water/electric leakage may be caused.)
- Do not use the dehumidifier in a narrow place, for example, the gap of a closet or furniture.
- Prevent cloth or other objects from obstructing the air outlet or inlet.
 (Poor ventilation may lead to overheating or fire.)
- · Do not rinse the main unit with water.
- Do not place an object with water such as a vase on top of the main unit.
- For indoor use only. Do not use the unit under direct sunlight or in any location exposed to rain and wind.
- Do not leave the unit where oil or flammable gas may leak.
 - (Otherwise, electric shock, overheating, electric leakage or fire may be caused.)
- Do not expose the air from this product directly to heating appliances.
 - (Otherwise, incomplete combustion of heating may be caused.)
- Do not stand or lean on the main unit.
 - (Otherwise, injury may be caused from moving or falling.)
- Do not use the drained water for drinking or feeding.
 - (Otherwise, health problems may be caused.)
- Do not use for storage/special purpose for artworks or academic materials.
 - (Otherwise, quality degradation of stored materials may be caused.)



• Before moving the main unit, always stop the operation and dispose the water in the water tank. Operate the unit only on level, stable surfaces.

(If water leaks from the dehumidifier and soaks the furniture in the room, electric shock, electric leakage or fire may be caused.)

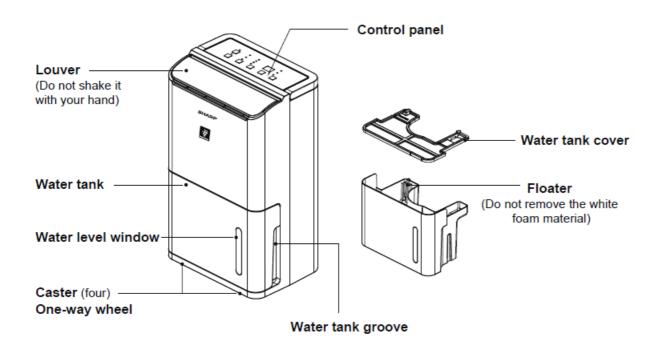
Always have plenty of room around the main unit.
 (Poor ventilation may cause over-heating, fire, malfunction.)



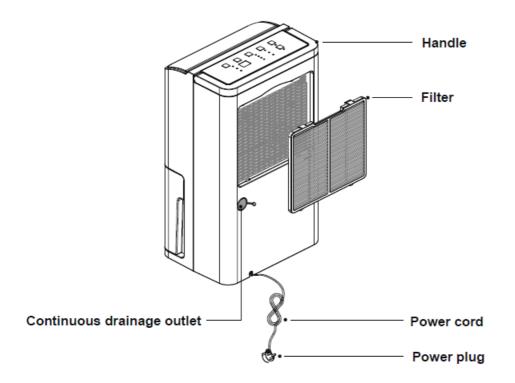
- Be sure to clean the product, floor and surroundings when using the product in a same place for a long period of time.
 - (Move the dehumidifier and clean the ground from time to time.)
- Do not remove the water tank while the dehumidifier is operating. (Otherwise, water may drop on the floor or carpet.)

PARTS NAME

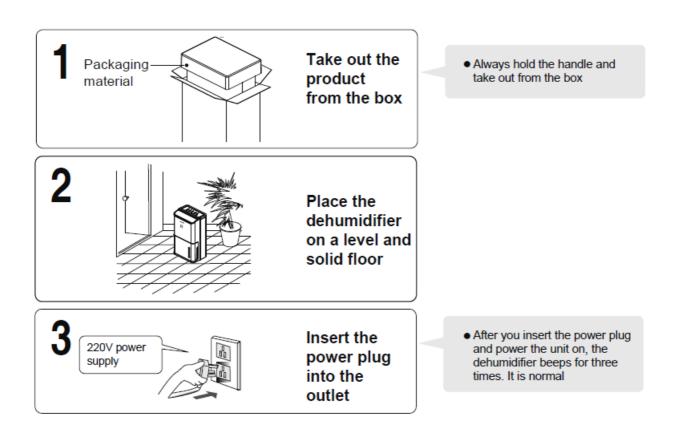
Front View



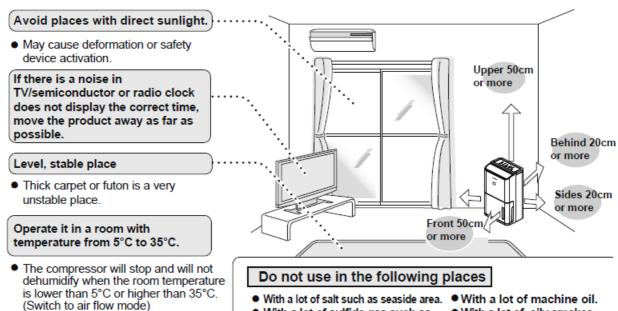
Back View



BEFORE USE



INSTALLATION LOCATION



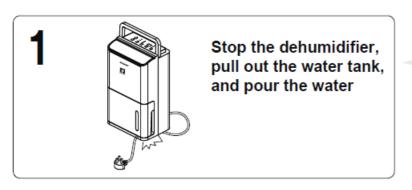
- With a lot of sulfide gas such as hot-spring area.
 - With a lot of oily smokes.

Do not use any cosmetic products * formulated with fluororesin or silicone near the dehumidifier.

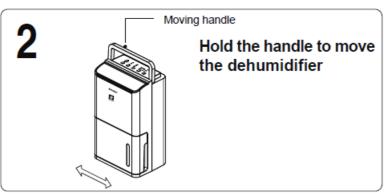
- Plasmacluster ion may not generate if fluororesin or silicone gets into the main unit.
- * Hair care products (hair coating solution, hair mousse, hair treatment), cosmetic products, antiperspirant, antistatic products, waterproof spray, waxing products, glass cleaner, chemical cloth, wax, etc.

WHAT YOU NEED TO KNOW

WHEN MOVING



 Bind the power cord, and move it together with the handle. The power cord may be scratched if you drag it on the floor



NOTE: For the vulnerable floor, uneven floor or long wool carpet, lift the main unit when you move it; otherwise, the floor or carpet surface may be damaged.

HOW TO OPERATE

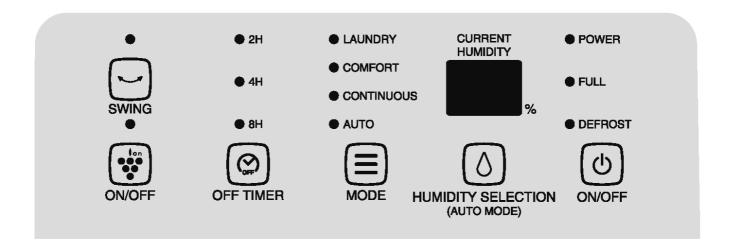
AUTO DEFROST

- During defrosting, the defrosting indicator is on, the compressor stops, and the fan keeps rotating at the
 highest speed. After the defrosting ends, the dehumidifying function starts, the compressor restarts, and the fan
 resumes the preset speed.
- When the temperature sensor fixed on the copper pipe of evaporator detects that the dehumidifier temperature is lower than or equal to -1°C (and the relative room temperature is lower than or equal to 13°C), the dehumidifier will start the automatic defrosting procedure, namely, the dehumidifier defrosts automatically after the dehumidifying mode runs for 20 minutes; when the evaporator surface is defrosted completely, the temperature sensor detects that the temperature is higher than or equal to 2°C and the defrosting duration is longer than or equal to 10 minutes, the dehumidifier will stop defrosting and enable the dehumidifying function.

COMPRESSOR STOP/START PROTECTION

- During operation, if the compressor stops due to any operation, the dehumidifier will automatically switch to the function of restarting the compressor after stopping it for 3 minutes, namely, the compressor cannot be restarted in 3 minutes, but other functions are available.
- In the dehumidifying mode, if you remove and replace the water tank or power off and power back on the dehumidifier, the dehumidifying function will start after an interval of 3 minutes.

CONTROL PANEL



EASY-TO-USE FUNCTIONS

After you insert the power plug, all the LED indicators and digital display are on for 1 second and then turn off. Meanwhile, the buzzer sends three alert sounds. Each time you press a button, the buzzer sends a alert tone. When you press the ON/OFF button to power the unit off, the buzzer sends a long beep sound.



- After you press the ON/OFF button to power the unit on and the buzzer sends a alert tone, the dehumidifier starts the continuous dehumidifying mode, the power indicator and continuous dehumidifying function indicator are turned on, and the dual-digit display shows the current humidity. Moreover, the unit automatically set the louver to the position of 85°.
- After you press the ON/OFF button to power the unit off during operation of the dehumidifier, the dehumidifier will stop operation, and the louver will be closed automatically. Meanwhile, the buzzer sends out a long beep.



- Press the MODE button. You can select among the four dehumidifying modes: LAUNDRY, COMFORT, CONTINUOUS and AUTO.
 - 1. LAUNDRY: The laundry indicator is turned on, the compressor starts, and the fan runs at the highest speed to dry clothes. The dehumidifier will not stop until the water tank is full.

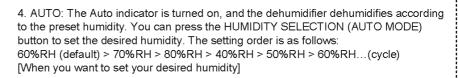
[When you want to dry clothes]

2. COMFORT: The Comfort indicator is turned on, the dehumidifier dehumidifies while the compressor starts or stops so that the relative humidity is kept at comfortably 60%, and the fan rotates at the low speed.

[When you want the dehumidifier to automatically control the humidity so that the relative humidity is fixed at the comfortable value.]

3. CONTINUOUS: The Continuous indicator is turned on, the compressor starts, the fan rotates at the low speed, and the dehumidifier continues dehumidifying until the water tank is full.

[When you want to always keep dry]



 * As long as you press the HUMIDITY SELECTION (AUTO MODE) button, the dehumidifier will go to the AUTO dehumidifying mode and the Auto indicator is turned on.



- When you press the MODE button to set the Auto mode, you can press the HUMIDITY SELECTION (AUTO MODE) button to cycle among 60%RH, 70%RH, 80%RH, 40%RH and 50%RH in sequence.
- When you press the MODE button to set the LAUNDRY, COMFORT and CONTINUOUS mode and then press the HUMIDITY SELECTION (AUTO MODE) button, the dehumidifier will immediately switch to the AUTO function.



• You can switch the dehumidifier from the long-term operation mode to the timer mode. Press the OFF Timer button to cycle among the time in the following order: 2h > 4h > 8h > Off. After the timer is set, the corresponding indicator will be turned on.



Starts or stops the PCI operation. The corresponding indicator will be turned on or off.



 Press the SWING button, and the louver swings upward and downward. Press this button again when the louver reaches your desired position.

Do not push or shake the louver with your hands. When the louver is closed by force, do not operate the unit.

(Otherwise it may lead to condensation on the main unit surface or a fault.)

OTHER FUNCTIONS

AUTO STOP AT TANK FULL

 If the water in the water tank reaches the set level when the dehumidifier operates in the dehumidifying mode, both the compressor and the fan motor stop running, the unit stops operation the buzzer sends out ten warning sounds, and only the Tank full indicator is on.

POWER FAILURE MEMORY

After you power off the unit by pressing the ON/OFF button, when you power it back on by pressing the same button, the dehumidifier will begin operating with the mode before it is powered off.
 If power fails while the dehumidifier is operating (i.e. the power plug is removed), the dehumidifier will memorize the operating mode before the power failure and resume this mode automatically after it is powered back on.

LOW/HIGH TEMPERATURE PROTECTION

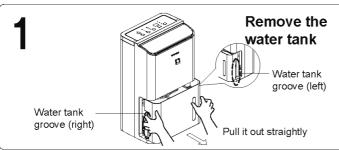
- The function eliminates the risk that the dehumidifier may operate in an abnormal environment. When the temperature/humidity sensor of the air inlet detects that the current ambient temperature is lower than or equal to 0°C or higher than or equal to 40°C (including open circuit or short circuit of the temperature sensor (NTC)), the dehumidifier will stop running and enable the over-temperature protection function. The buzzer keeps sending out three long and two short warning tones, all the indicators turn off, and only the digital display blinks and shows C1.
- When the temperature sensor of the copper pipe of evaporator detects that its temperature is higher thanor
 equal to 40°C within two continuous minutes, the dehumidifier will stop running and enable the overtemperature protection function. All the indicators turn off, only the digital display blinks and shows C2, none of
 the buttons work, and the buzzer does not beeps. In this case, you must power off and back on the
 dehumidifier.

HOW TO DRAIN

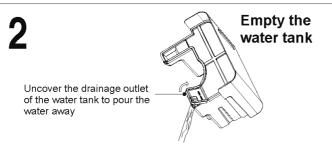
After the water tank is removed, the Tank full indicator is on and the operation stops.

When the water tank is full, the dehumidifier will stop running automatically. You need to empty the water tank and put it back into the main unit. Otherwise, the dehumidifier cannot be restarted.



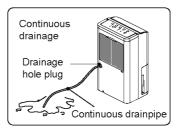


 To prevent water overflow, pull the water tank out slowly and carry it around carefully. Do not tilt or drop the water tank



Put the water tank back into the unit

- Push in the water tank reliably and properly
- Do not push in the water tank rashly (otherwise malfunction may be caused)
- For continuous drainage, remove the rubber plug of water line with your hands and connect a proper soft plastic pipe to the drainage mouth through the drainage hole in the rear cover. The water tank will not be filled with water when the dehumidifier operates continuously. In this case, the dehumidifier can operate continuously and will not stop due to protection when the water tank is full of water.
- During continuous drainage, the drainpipe must be kept flat on the floor.
 No part of the drainpipe can be folded or upturned, and the outlet of the drainpipe cannot go deep under the liquid surface of another container; otherwise water cannot be drained smoothly or drainage may stop.



Note:

- Always stop the operation and dispose water before moving the main unit.
 (Water in the tank may spill and damage household goods.)
- Clean the inside of water tank periodically (about once a week).
 (Failing to clean for a long period of time may increase mold and bacteria which causes bad odor.)

CONTINUOUS DRAINPIPE



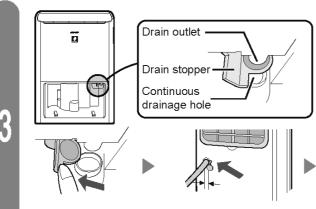


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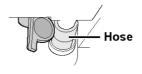




Take out the water tank and take off the rubber cap on the back side



While pressing the drain stopper with your right finger, run the hose through the continuous drainage hole on the back of the main unit and securely insert into drain outlet.



 Do not use an old hose with wide opening. (Otherwise, water may leak.)



Insert with your left hand Recommended specifications of hoses to be purchased separately: 12 mm (inner diameter); 16 mm (outer diameter).

* Make sure the hose is inserted all the way in.



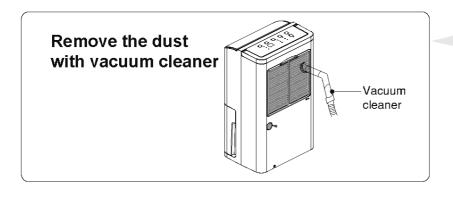


Set the water tank to the main unit

CARE AND MAINTENANCE

We recommend periodical cleaning for a long, clean and sanitary use!

AIR INLET Once Week



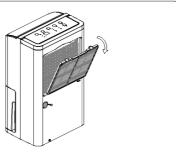
- Blocking the air inlet cover may deteriorate the dehumidifying capability and waste energy
- If the dehumidifier operates without the air inlet cover, dust will be accumulated in the main unit and malfunction may be caused

FOR HEAVY DUST

• Remove the filter

Pull the plug out of the socket

(For the sake of safety, be sure to stop the dehumidifier and remove the power plug from the socket.)



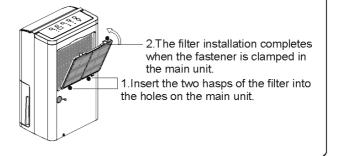
Wash off the dust from the net and dry it

(Remove gently with a small brush)

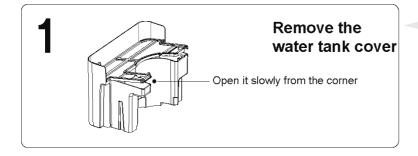
Use mild detergent (dishwashing soap) in lukewarm water for heavier dusts.



Install the filter as it was back into the main unit



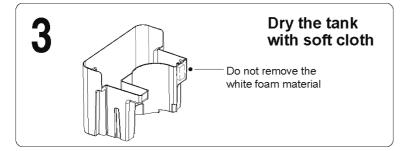
WATER TANK

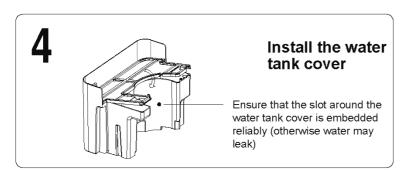


 Empty the water tank, and then remove its cover

2 Wash the inside of the tank

 Clean it with a white tableware cloth
 After use for a long term, water generated in the dehumidifying process may become black and contaminate the water tank. In this case, clean the water tank with diluted neutral detergent (for tableware), and then rinse it with warm water





MAIN UNIT

Use a soft cloth soaked with warm water (lower than 35°C) or neutral detergent (for tableware) to wipe dirt from the surface.

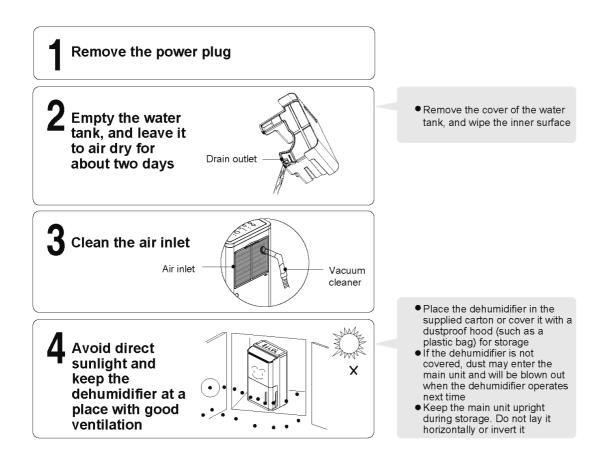


- Wipe the neutral detergent off with a cloth that is washed with clean water and wringed out
- Do not forget to clean and care the air inlet, air outlet and four casters since they are easily contaminated

NOTE:

- Poor insulation or rust may occur if the main unit gets wet.
- When using chemical agent, please follow the direction for use.
- Do not use materials that harm plastics, for example, diluent, gasoline, alcohol, petroleum, soap, lapping powder, alkaline detergent, hot water and acid.

WHEN NOT USING FOR A LONG PERIOD OF TIME



SPECIFICATIONS

Model		DW-D12A
Power Supply		220V-240V/50Hz
Dobumidifying Canacity	30°C/80%RH	12L/day
Dehumidifying Capacity	26.7°C/60%RH	6.5L/day
Power Consumption	26.7°C/60%RH	160W
Standby Status		0.45W
Dehumidification Area		13-26m ²
Water Tank Capacity		Approx. 4L
Length of Power Cord		Approx. 1.8m
Dimensions		314mm(W)×225mm(D)×527mm(H)
Weight		About 10kg

^{*} According to standards of Japan Electrical Manufacturers' Association (JEMA).

The dehumidifying capability: the amount of humidity that a dehumidifier removes from the air in a day when room temperature and relative humidity are kept at 30°C/80%RH and 26.7°C/60%RH respectively.

Please be well noted that the product specifications are subject to change without a prior notice.

		KA	\
	Problem	Solution	eference Page
During operation	The room becomes hot	 Warm air will come out from the air outlet in the front during dehumidifying operation. If the unit is used in an enclosed room, the room temperature will rise. 	_
	The unit does not dehumidify Dehumidification amount is low (Water does not accumulate in the tank)	 The dehumidification level varies with the temperature and humidity level of the room. When room temperature or humidity level is low, the dehumidification level will be low in general. 	_
		 The compressor stops and only the fan rotates during auto dehumidi- fying operation when humidity level is lower than the set level, and the unit will not dehumidify. 	_
		 When the room temperature is below 5°C, the compressor stops and only the fan rotates to prevent the water tank's water from freezing, and the unit does not dehumidify. 	8
		 When the room temperature is high, the protective device is activated, the compressor stops and only the fan rotates, and the unit does not dehumidify. 	8
		 When the room temperature is 13°C or below, the unit will automatically defrost, the compressor stops and only the fan rotates. Therefore, water may be harder to collect. 	10
		 Check to see if the air inlet cover is clean. ⇒ If it is dirty, clean the air inlet cover. 	_
		 Check to see if the air outlet or air inlet is blocked. ⇒ Remove whatever blocks the port. 	_
	The water leaks	 Make sure you do not tilt, knock over or drop the main unit. ⇒ Use the unit at a level and stable place, free of vibration. 	_
	The air volume increases automatically	 When the ambient temperature is above 32°C, the unit will automatically increase the air volume with high fan speed to reduce the temperature in the main unit even operating in operation mode with low fan speed. 	-
		 When the ambient temperature is below 32°C, the unit will operate according to the preset mode (where the transition phase is 30°C to 32°C). 	_
	When the currently displayed humidity is abnormal	• When the humidity setting button is not pressed during operation of the unit, the dual digital display shows the ambient humidity value (30, 35, 4085, 90) of the unit. LO is displayed when the humidity value is lower than 30%RH; HI is displayed when the humidity value is higher than 90%RH.	-

	Problem	Solution	eference Page
	Alert sound	 When the power plug is inserted, the buzzer beeps three times. The buzzer beeps once each time you press a button; the buzzer sounds a long beep when you press the ON/OFF button to turn off the unit. 	11
Sound	Sound at the start of operation/during operation/when the unit stops	 Whipping, howling soundThis is the sound of refrigerant (coolant) circulation. Buzzing soundThis is the operating sound of the compressor. 	_
	The sound is too loud	 The unit will sound loudly for the first few seconds upon power-on when the room temperature is too low. (This duration varies with the temperature.) 	_
		 Check to see if the dehumidifier is properly placed on the floor. Check to see if the floor is flat. ⇒ Use the unit at a level and stable place, free of vibration. 	8
		 Check to see if the air inlet cover is clogged. ⇒ Clean it. 	16
	The operation stops	 Check the power plug. ⇒ If not inserted, insert the power plug into an outlet. 	_
		 ◆ Check to see if there is a power outage. ⇒ If there is a power outage, wait until the power is resumed. 	_
The operation stops	The tank FULL indicator light is on	 Check to see if the water tank is properly placed. ⇒ If not, place the water tank correctly. 	14
	Tank FULL indicator Beep, beep	 Check to see if the water tank is full. ⇒ If the tank is full, drain the water. 	14
	When the digital display shows other values such as C0 and C3	 When the ambient temperature is between 5°C and 35°C, the indicator is still blinking. The unit may malfunction. ⇒ Please contact SHARP authorized service centre. 	_

Documents / Resources



SHARP DW-D12A Dehumidifier [pdf] User Manual DW-D12A Dehumidifier, DW-D12A, Dehumidifier

Manuals+,