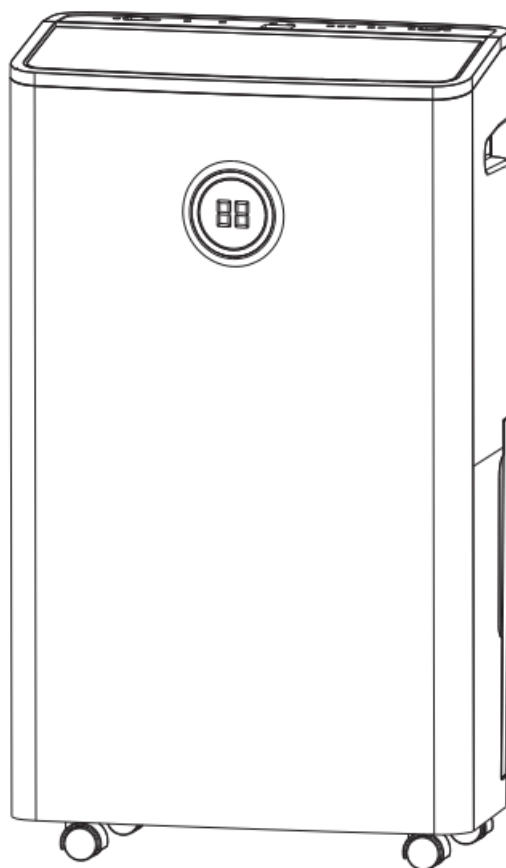


AIR PRO DEHUMIDIFIER INSTRUCTION MANUAL

AP101



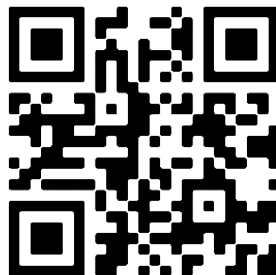
Please keep this manual safe for future reference!

Thank you for selecting this Air Pro Dehumidifier.

Be sure to read this instruction manual carefully before using your new product.

If assistance is required, please contact our support team by emailing
support@airprohome.com

You can also contact us by scanning the QR code below



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SAFETY INSTRUCTIONS

1. In case of anything untoward (e.g. the machine gives off a burning smell), the machine must be immediately switched off and the power supply cut off.
2. Use this dehumidifier only as described in this manual. Any other use is not recommended by the manufacturer and could cause fire, electric shock or injury.
3. Never turn off the machine by pulling the power plug directly out of its socket.
4. Never place anything on top of the unit.
5. Do not leave children or pets unattended in a room where the appliance is in use.
6. Do not place the continuous drainage hose outside when the temperature falls below 1°C.
7. Do not use this dehumidifier without the air filter.
8. To avoid a circuit overload when using this dehumidifier, do not operate under high-wattage appliance on the same electrical circuit.
9. Always plug the appliance directly into a wall socket. Avoid using extension leads where possible as they may overheat and cause a risk of fire.
10. Do not use this appliance with an external programmer, timer switch or any other device which would switch the appliance on automatically unless this has already been pre-built into the appliance by the manufacturer.
11. Do not kink or wrap the power cord and plug around the appliance as this may cause the insulation to weaken or split, particularly where it enters the appliance.
12. Do not operate the appliance without the water tank removed.
13. Do not attempt to repair or readjust any electrical or mechanical elements in the appliance. Doing so may be unsafe and will void your warranty.
14. If the power cord is damaged, it must be replaced by the manufacturer.
15. Do not attempt to disassemble or service the unit by yourself.
16. Do not operate this machine with wet hands, or wash the dehumidifier directly with water, or place this machine near any water source.
17. Remove any dust from the blades of the power plug and insert the plug into an outlet securely.

18. To avoid the risk of fire or explosion, do not put any inflammables or chemicals near the dehumidifier.
19. Do not place the dehumidifier near heating appliances, to prevent parts from melting or catching on fire.
20. Do not connect the dehumidifier to an outlet with a lower electrical rating than the dehumidifier.
21. Do not pull, deform. or modify the power supply cord or immerse it in water.
Pulling or misuse of the power supply cord can result in damage to the unit and cause electrical shock.
22. Never put objects into the openings of the dehumidifier, as it contains a fan running at high speed.
23. Remove and dispose of water collected in the tank.
24. Disconnect power before servicing unit.
25. Moving parts do not operate unit with back cover removed.
26. Do not operate unit with back cover removed.
27. The appliance shall be stored in a room without open flames, an operating gas appliance or an operating electric heater.
28. Do not pierce or burn.
29. Be aware that refrigerants may not contain an odour.

SPECIFIC INFORMATION REGARDING R290 REFRIGERANT GAS

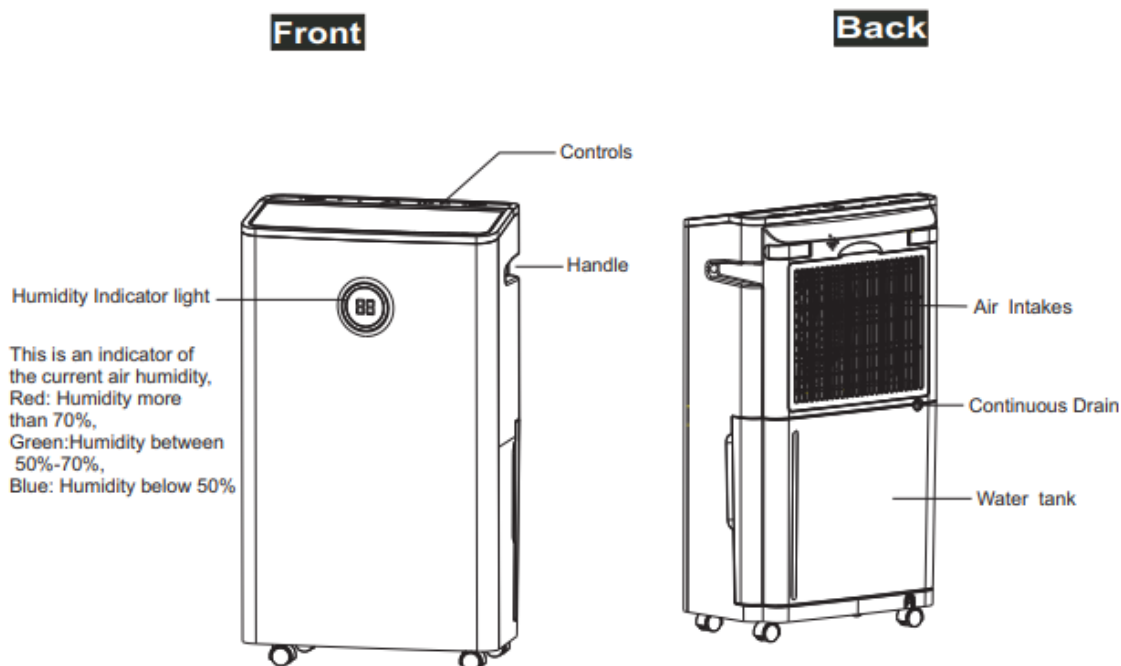
1. The appliance must be installed, used and stored in an area that is greater than 4m².
2. This appliance contains 55g of R290 refrigerant gas.
3. R290 is refrigerant gas that complies with the European directive on the environment. Do not puncture any part of the refrigerant circuit.
4. Be aware that R290 refrigerant is odourless and does not have the odour normally associated with natural gas and propane tanks.
5. The appliance must be placed in an area without sources of ignition such as open flames, gas or electrical appliances in operation.

6. If the appliance is installed, operated or stored in a non-ventilated area, the room must be designed to prevent the accumulation of refrigerant leaks. Ignition of the refrigerant by electric heaters, stoves etc could cause a fire or explosion.
7. The appliance must be stored in such a way as to prevent mechanical failure.
8. Individuals who operate or work on the refrigerant circuit must have the appropriate certification issued by an accredited organization that ensures competence in handling refrigerants according to a specific evaluation recognized by associations in the industry.
9. Maintenance and repairs that require the assistance of other qualified personnel must be performed under the supervision of an individual specified in the use of flammable refrigerants.



This mark indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or health from uncontrolled waste disposal, recycle the dehumidifier responsibly to promote the sustainable reuse of material resources. To return your used unit, please use the return and collection system or contact the retailer where the product was purchased.

PART NAMES AND FUNCTIONS

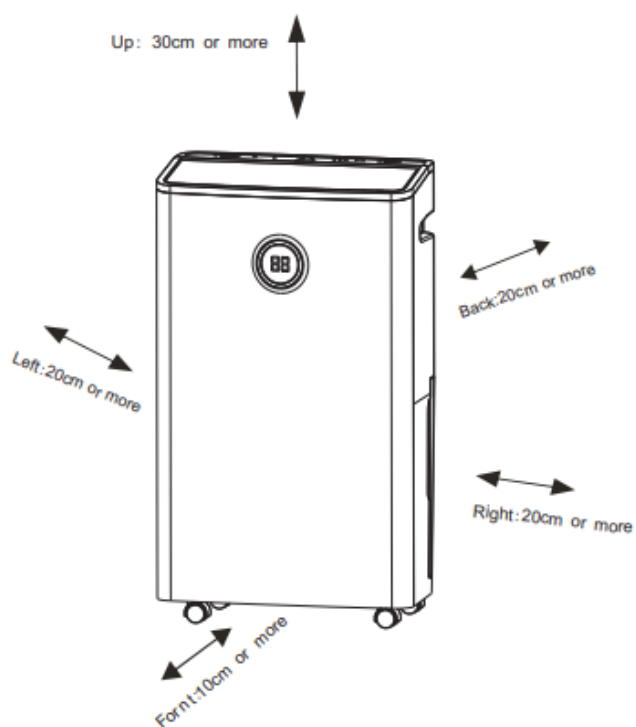


Installation

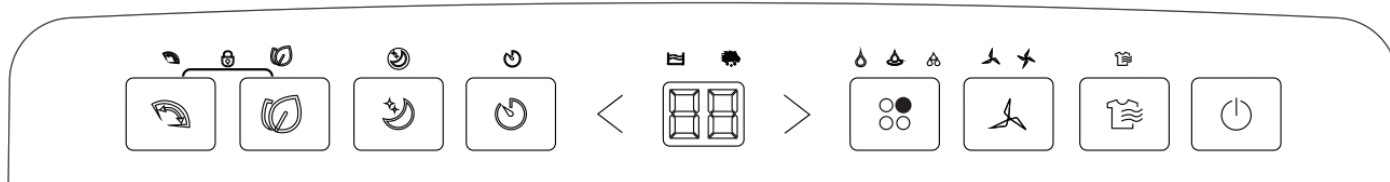
For efficient operation of the dehumidifier, spacing are required as shown below.

Note

In case TV sets, radio etc. are disturbed with noises, keep them apart from the dehumidifier by 70cm or more.



CONTROL PANEL



Indicator Lights

Full of water	Air clean	Defrost	Strong dehumidifying
Timer	Swinging	Normal dehumidifying	Low wind
Sleep	Child lock	Continuous dehumidifying	High wind
Dry clothes			

1. Power button

This button turns the dehumidifier on and off. The dehumidify mode indicator and room humidity will show on display once the dehumidifier turns on.

2. Mode button

Press this button repeatedly to select the desired dehumidify operation mode: Normal Dehumidifying, Continuous Dehumidifying or Strong Dehumidifying. The corresponding dehumidify mode indicator will show on display.

Normal Dehumidifying mode: The appliance works with the desired humidity settings. When the humidity is decreased to the set humidity level, the appliance automatically stops dehumidifying the air.

Continuous Dehumidifying mode: The appliance constantly works with the dehumidifying function. The fan will operate at low speed and cannot be adjusted.

Strong Dehumidifying mode: The default target humidity level is 30%. The appliance constantly works with the dehumidifying function until ambient humidity reaches 30%. The fan will operate at high speed and can not be adjusted.

3. Clothes Drying Mode

The appliance constantly works with the dehumidifying function. The fan will operate at high speed and can not be adjusted.

4. Humidity setting button “<” and “>”

Press “<” and “>” button repeatedly to set the desired humidity level to 30%-80% (increase/decrease with 5% increments). The LED light will flash on display when adjusting and will resume normal display after 5 seconds. When the desired humidity level has been set, the unit will continue to operate until the room humidity level is lower than the desired humidity level or the water tank is full.

Note: Humidity level can only be adjusted under Normal Dehumidifying mode.

5. Fan speed button

Press this button to set the fan speed to high or low, and the corresponding fan speed indicator will show on display. Fan speed can only be adjusted under Normal dehumidifying and Air Clean mode.

6. Timer button

Press this button to set a turn-on or shut-off timer, between 1-24hr.

- Setting a turn-on timer: When the dehumidifier is off, tap the timer button then press “<” or “>” until you reach the desired number of hours before you want it to turn on. The timer light will light up when a timer is set.
- Setting a turn-off timer: When the dehumidifier is on tap the timer button and press “<” or “>” until you reach the desired number of hours before you want it to turn off. The timer light will light up when a timer is set.

7. Air clean button

The unit has a built-in negative anion. Press Air Clean button to use the unit to clean air. The corresponding indicator will light up and the compressor won't work. Press the fan speed to adjust high or low fan speed.

8. Auto swing button

Press auto swing button and the corresponding indicator will light up. The louver will start to swing automatically.

9. Sleep button

Press the Sleep button to turn on the sleep function, while the machine is still working in any mode. All lights will turn off except sleep light/water full light/child lock light. Press any key in sleep mode to wake up the device.

10. Child lock

Press both the auto swing and air clean button for few seconds to active or deactivate the Child lock function. When entering the child lock, the LED displays LC and flashes for 5 seconds, then resume the normal display.

11. Defrost function

When frost builds up on the evaporator coils, the automatic defrost function will be started. The compressor will turn off and the fan will continue to run until the frost is removed. When the unit is running in a room temperature between 5°C and 12°C, it will stop to defrost for about 3 minutes every 8 minutes.

When the unit is running in a room temperature between 12°C and 18°C, it will stop to defrost for about 5 minutes every 25 minutes.

When the unit is running in a room temperature between 18°C and 23°C it will stop to defrost for about 5 minutes every 120 minutes.

Wait 3 minutes before resuming. After the compressor has stopped, it will not restart until 3 minutes has passed

12. Water tank Full indicator

When the water tank is full, the water full indicator will light up and the buzzer will beep 20 times. The compressor and fan will be stopped automatically after several minutes.

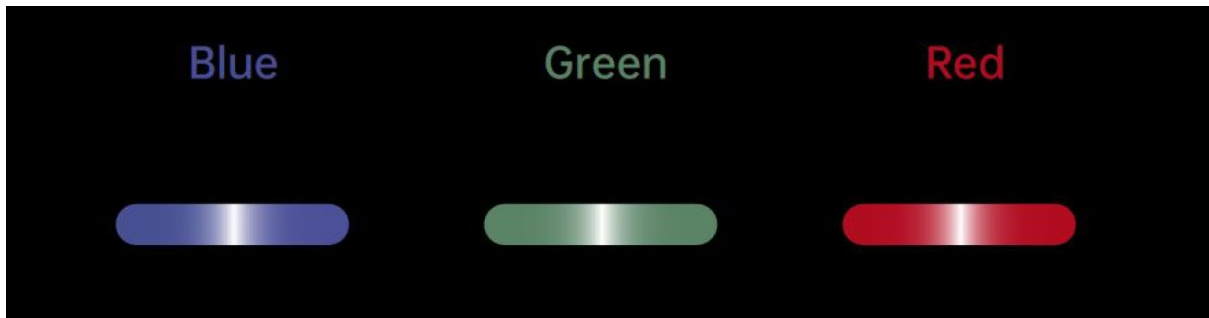
Note: The full indicator will also show on display if the water tank is removed or not placed in the proper position.

13. Auto-restart

If the dehumidifier stops unexpectedly due to a power cut, it will automatically restart with the previous function setting when the power resumes. If the timer is set before power failure, the auto-restart function will be deactivated.

COLOUR INDICATORS

This machine has 3 colour indicators which indicate the room humidity level.



When the environmental humidity level is less than or equal to 50% the indicator will be blue.

When the environmental humidity level is greater than 50% but less than 70%, the indicator will be green

When the environmental humidity level is greater than or equal to 70%, the indicator will be red.

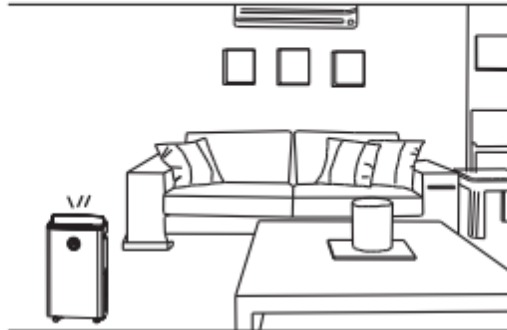
IMPORTANT:

In order to collect water, the target humidity % you set on the device will need to be **lower** than that of the indicated humidity level.

For Example, if the indicator shows green, and humidity level is 60%, the target humidity level will need to be set to 55% or lower in order to collect water. If the target level is 60% or above, the unit will collect little or no water.

CORRECT USAGE

To dehumidify a room for comfortable humidity



To dehumidify a room or keep a ceiling and/or walls from dew consideration and getting moldy

To dry washed clothes faster



To dry a carpet or a rug



To dehumidify a small space or dry shoes

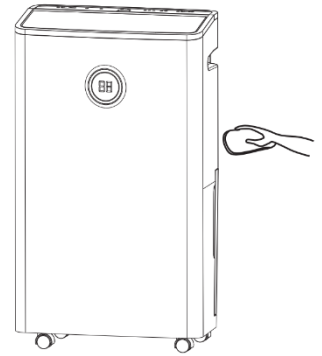


To make air clean in a room

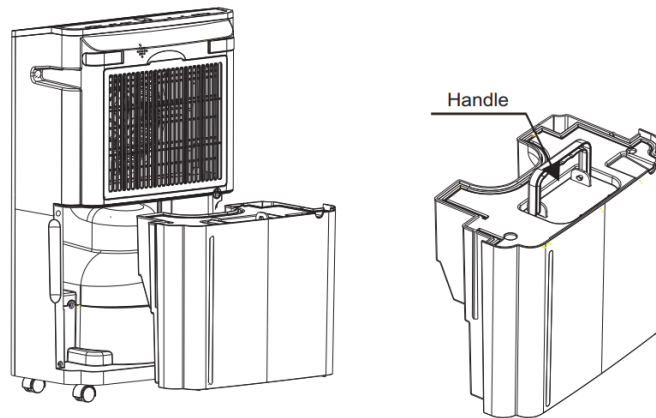


CLEANING

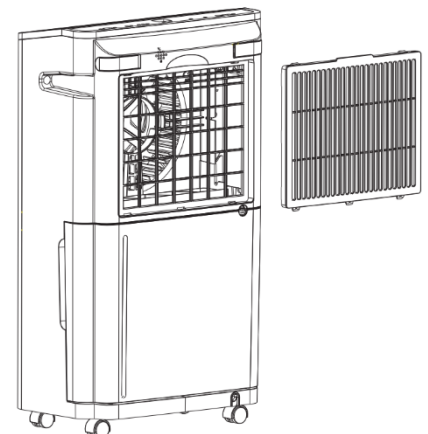
1. Wipe the outside of the dehumidifier with damp cloth
2. To avoid decolouration or cracking, do not use benzene, thinner or liquid cleaners.



1. To clean the water tank, remove and wash with water.
2. The tank may scratch if cleaned with a brush.
3. Do not remove the water level floater from the tank/
4. Wipe off the water on the outside of tank with a cloth and replace the tank.



1. The air filter should be cleaned every two weeks, as the dehumidifying capacity will be lowered when the air clean filter gets clogged.
2. Remove the back cover from the unit and remove the filter holder. Then take out the air clean filter and the back filter.
3. Pull the back cover toward you and remove it from the unit. Remove the side filter from the unit.
4. To dislodge the dust from these filters, use a vacuum cleaner or pat them lightly.



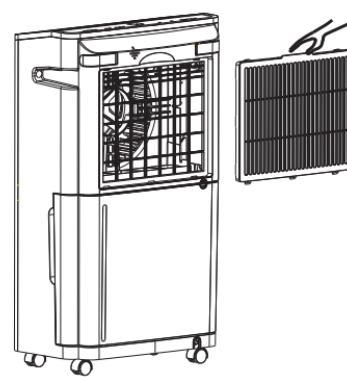
MAINTENANCE

1. To avoid of the risk of electric shock, never touch the plug with wet hands.
2. Turn off the unit and disconnect the power plug before cleaning or other routine maintenance. Do not remove the water level floater from the water tank.
3. When the unit is not in use for a long time, unplug the unit, bundle the power cord, and hang the bundled cord at the back of the unit as shown. Clean the air filter and empty the water tank. To store, stand the unit upright and avoid exposure to direct sunlight.
4. To avoid malfunction or abnormal sound, keep the unit upright.

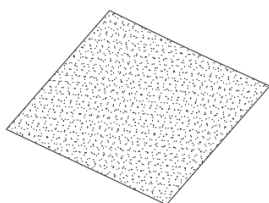
Adding an air clean filter to the dehumidifier

1. Remove the inlet frame from the back cover.
2. Take the active carbon filter out of polyethylene bag and put it onto the inlet frame.
3. Replace the filter holder in the inlet frame

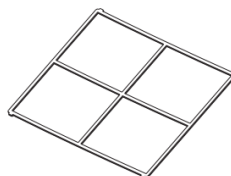
Note: Active carbon filters are optional.



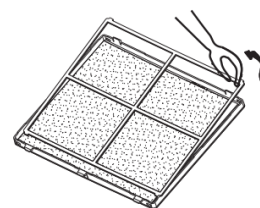
Inlet frame
Washable pre-filter



Active carbon filter

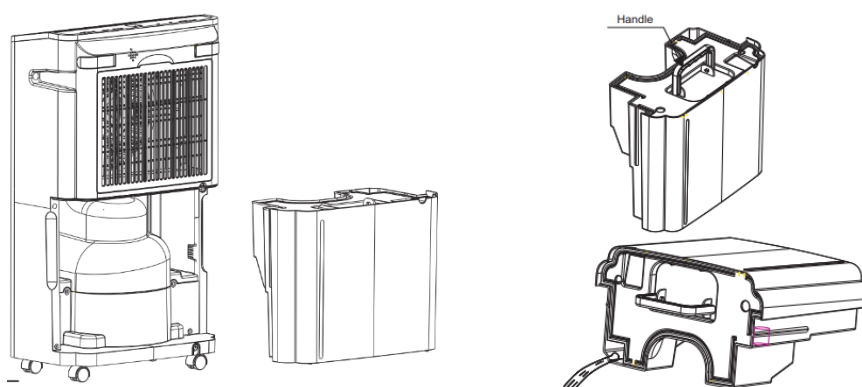


Active carbon
filter holder



Draining the water tank

1. The dehumidifier will stop running when the water tank is full, which is indicated by beeping for 20 seconds.
2. To remove the water tank, carefully pull the water tank out of the rear part of the dehumidifier and pour out the water.
3. When the water tank is reinserted, the water tank will automatically resume.



WARRANTY INFORMATION

The manufacturer provides warranty in accordance with the legislation of the seller's own country of residence with a minimum of 1 year starting from the date on which the appliance is sold to the end user. The warranty only covers defects in material or workmanship. The repairs under warranty may only be carried out by an authorized service centre. When making a claim under the warranty, the original bill of purchase (with purchase date) must be submitted.

The warranty will not apply in cases of:

Normal wear and tear.

Incorrect use, e.g. overloading of the appliance use of non-approved accessories.

Use of force, damage caused by external influences.

mains supply or non-compliance with the installation instructions

Damage caused by non-observance of the user manual, e.g. connection to an unsuitable mains supply or non-compliance with the installation instructions.

TROUBLESHOOTING

Malfunction	Possible Cause	Solution
Not functioning	Power supply plug may be disconnected/ not plugged in.	Ensure plug is connected to the unit and plugged in.
	Water tank is full.	Empty the water tank.
	Dehumidifier is not upright.	Ensure unit is upright and stable.
Small dehumidifying capacity	Filter needs to be cleaned.	Clean filter.
	Air vents are blocked.	Ensure air vents are not covered and that the dehumidifier moved away from the wall.
Unusual noise	Dehumidifier is not upright.	Ensure unit is upright and stable.
Stops during dehumidifying process.	The room temperature may be too high/low.	The dehumidifier will start automatically again when the room temperature returns to the working scope.
Clothing not drying quickly.	Room temperature may be low.	Wet clothing may dry more slowly in low temperature.
Intermittent stopping	Defrosting process	
Small dehumidifying	The dehumidifying capacity drops with the room temperature and humidity. See the illustration above for reference.	
The humidity of the room not reducing	The room is too big and is over the working scope.	
	The doors and windows of the room are open.	
	The unit is near a kerosene heater (which releases steam).	
Unpleasant smell	The smell may come from the damp wall or furniture.	
Unusual noise	Circulation of the refrigerant may make noise until it is stable.	
Water in the tank	As each unit is tested before leaving the factory, some water may remain in the tank.	
Beeping	This indicates that the water tank is full and needs to be drained.	
Error Code		Meaning
E1 / E2		Temperature and or humidity sensor is damaged
E3		Internal Sensor Error
E4		Water Tank Full
E5		Outer Sensor Error

FAQS

Q. How do I select dry clothes / laundry mode?

A. Select the dry clothes Function 

Q. Can I set the timer to start or stop working at a specific time?

A. Yes – you simply have to set the number of hours you'd like the machine to start / stop. If the machine is working, the timer you set will automatically switch the unit off. If the machine is off, at the end of the timer period, the unit will switch on and start working.

Q. What is the minimum temperature the machine will operate in?

A. 5°C

Q. How much energy does this appliance use / how much does it cost to run?

A. This machine operates using 350W which equals 0.35kWh – This would cost roughly 7.8p per hour to run based on the UK Energy price Cap as of September 2024.

Q. How much water can this unit extract?

A. This unit extracts up to 16 Litres per hour. This amount is based on an international testing standard of 30°C and 80% RH.

If the environmental temperature and humidity differs from this, the collection capacity of the machine will change and extract more, or less, depending on the room conditions.

Q. How much water does the collection tank hold?

A. 5.5 Litres of Water

PERFORMANCE PARAMETERS

Model No: FDD16-5290ZR5

Power Supply: 220V-240V (50Hz)

Dehumidifying Capacity: 16L/Day (30°C / 80%)

Max. Input Power: 350W

Max. Input Current: 1.80A

Water Tank Capacity: 5.5 L

Net Weight: 12kg

Dimensions: Height 600mm, length 350mm, width 200mm

Room temperature: 5°C - 35 °C

Refrigerant: R290 /55g

Fuse: AC250V 3.15A

The specification may be subject to change without notice for purpose of improvement.

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support@airprohome.com

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