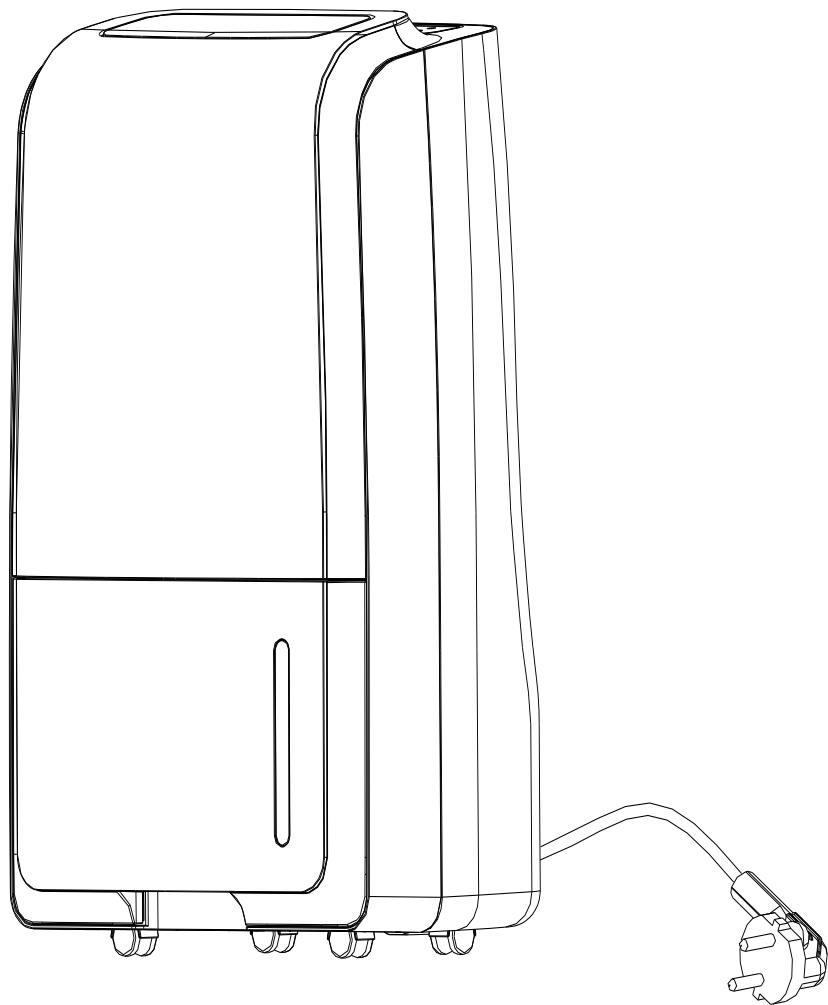


ARCTUS FENJA 25

User Manual



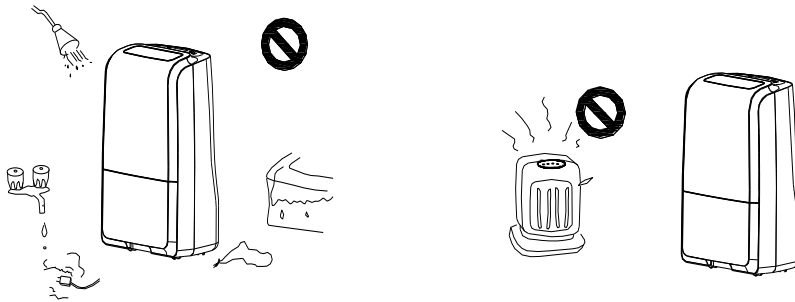
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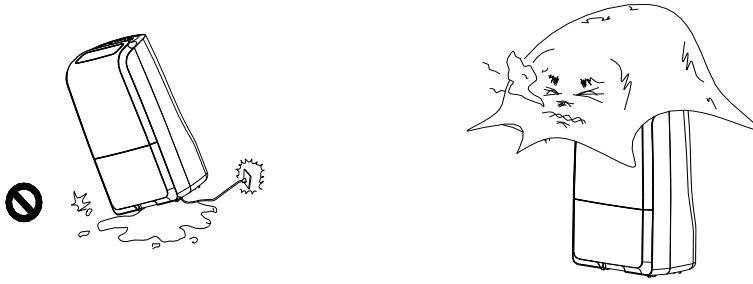
1. Safety Cautions

△ Please read this manual carefully before using the machine.
Please safe keep this manual in case of reference in the future.

- 1) Please check the service voltage before using the machine. Please only use it when it is confirmed to the rated voltage.
- 2) Please do not use it in the bathroom, in case of electric shock.



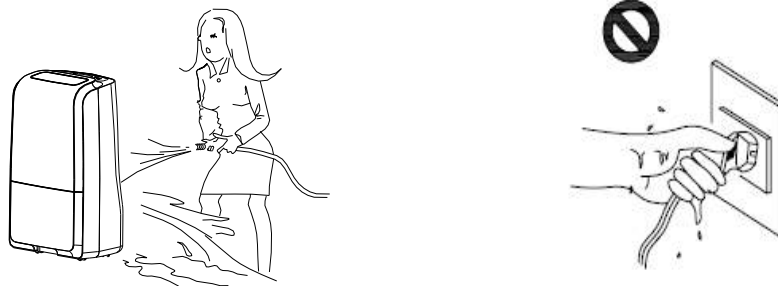
- 3) Please do not place the machine near the household appliance which may produce high temperature. The plastic can be damaged and fire will be caused in high temperature condition. Neither place it in the sun, in case that the color of casing fades, or discolors.
- 4) Please do not use it in the place which exists much dust, corrosive gas, or flammable and combustible gas, in case of danger.
- 5) When children use the machine, please be together and give them instruction. Please do not disassemble or amend the component. Please ask for professionals to repair the machine if there is damage.
- 6) Place use the machine on the steady, flat ground, in case that it causes vibration and noise.
- 7) Please unplug the power immediately if the machine falls down.
- 8) Please do not cover the machine when it operates, in case of malfunction.



9) Please keep the air intake and outlet clear, in case that it will have an influence on the dehumidifier performance or malfunction.

10) Please do not spray water on the machine directly when cleaning the machine, in case of malfunction and electric shock.

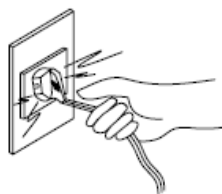
11) Please do not unplug the power cord when your hand is wet, in case of electric shock.



12) Please turn off the machine before unplug the power cord, in case of electric shock or other dangers.

13) Please turn off the machine, unplug the power cord pour out the water in water tank and clean it if you do not use the machine for a long time.

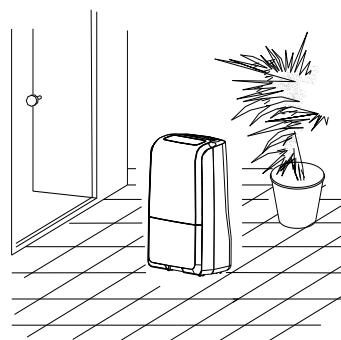
14) Please do not drag the cord when unplugging the power plug, in case of power cord damaged and accidents.



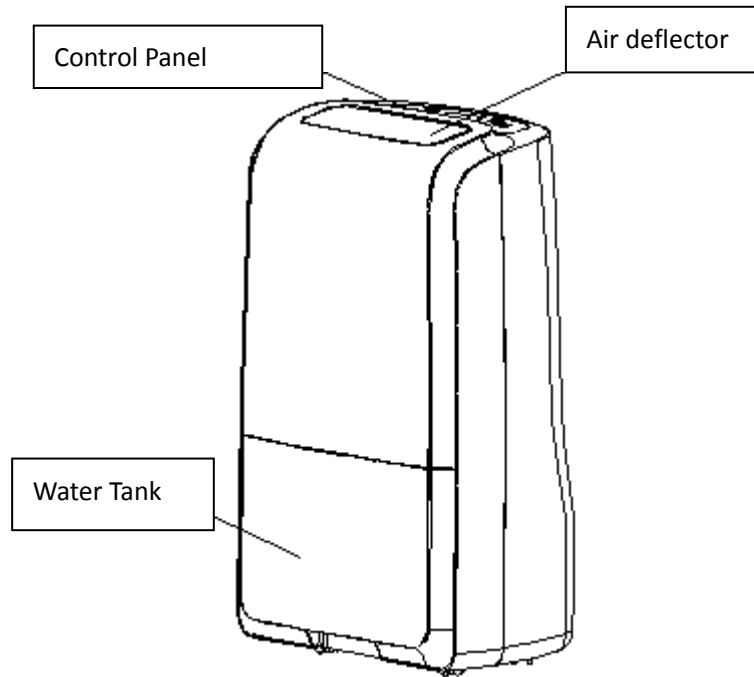
- 15) When the machine operates please do not insert the air intake or outlet with your hand or other things, in case that it hits the live parts and rotary blade, and cause accident and damage the machine.
- 16) When moving the machine, please pour out the water in the water tank, in case that the water flows.
- 17) 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.

2. Operating Condition

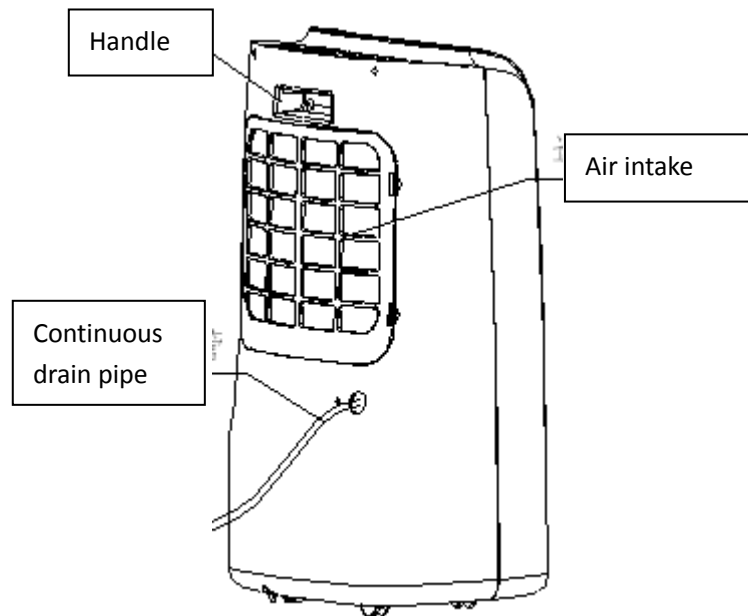
1. Lowest working condition: Temperature 5°C, relative humidity 40%RH.
Highest working condition: Temperature 35°C, relative humidity 90%RH
2. Operate the unit indoors, e.g. living room, bedroom, etc. Never use it in wet environment or outdoors.
3. Make sure the door and window are closed before turning on the unit.
4. Ensure that the unit is placed on a stable and flat floor surface. If the floor surface is not even there is a risk that the unit may be unstable and topple over. Also excessive vibration and noise may be result.



3. Name of components



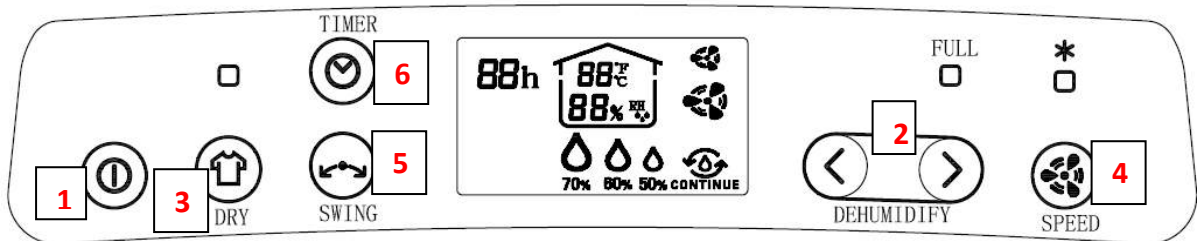
Front and top



Rear

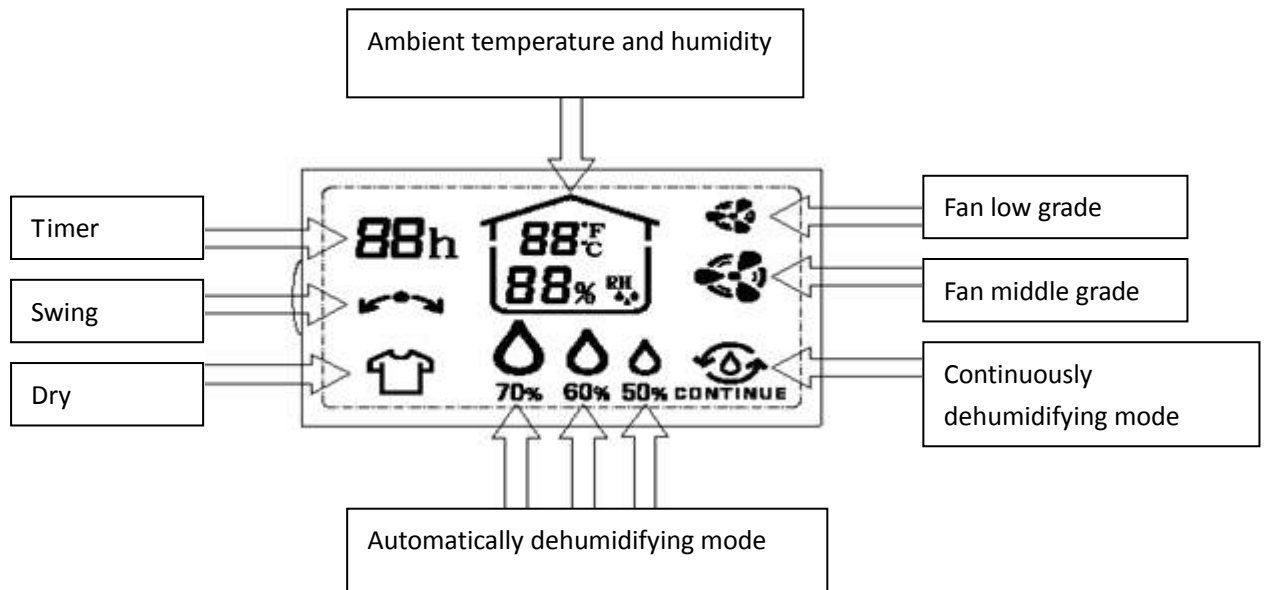
4. Method of Application

(4 a) Function of control panel and button



1. ON/OFF button (ON/OFF): Turn On or turn Off the machine.
2. Dehumidify button (DEHUMIDIFY): Press this button to set automatically dehumidifying, continuously dehumidifying (automatically dehumidifying: 50%RH, 60%RH or 70%RH).
3. Dry button (DRY): Turn on or turn off the dry function.
4. Speed button (SPEED): Press this button to choose middle grade or low grade working condition.
5. Swing button (SWING): Turn on or turn off the air outlet swing function.
6. Timer button (TIMER): Press this button can set the power on time in ready mode or power off time in operating mode.
 - i. When the machine is in power off or ready mode, press this button to set power on time.
 - ii. When the machine is in operating mode, press this button to set power off time. Press this button can set 00H (variable time) and 01H-24H.

(4 b) LCD –display



(4 c) Operating instruction

1. When plug into power socket, 3 beep signals can be heard.
2. Press ON/OFF button: Air plate will open automatically, machine operates, 1 beep signal. The machine runs in continuously dehumidifying and middle grade.
 - a. The blue background light will turn on when machine boots.
 - b. The operate mode and state icon will appear on the display.
 - c. The ambient indoor temperature and humidity will appear on the display (the variation for relative humidity is 1%).
 - d. When machine operates, press ON/OFF, the machine stops operating and the air plate will turn off automatically.
3. Dehumidify button (DEHUMIDIFY): Press dehumidify button < - > can set automatically dehumidifying, continuously dehumidifying (continuously dehumidifying data is 50%RH, 60%RH, 70%RH). When setting is automatically dehumidifying, the displays shows the setting automatically dehumidifying data, relative icon and fan icon. When the machine detects that the relative humidity is 1% lower than setting humidity, it will stop operating automatically. The fan operates,

the machine will reboot dehumidify function until the ambient humidity rises (during this time, the compressor does not operate.) When the machine detects that the ambient humidity is 5% than setting humidity, the machine will start dehumidifying automatically. When setting is continuously dehumidifying mode, the display shows continuously dehumidify icon and relative speed fan icon. The machine' operate is out if ambient humidity control. When setting is automatically dehumidifying mode (50%RH, 60%RH, 70%RH), continuously dehumidifying mode, press speed button can set the fan operate in middle or low grade. When open dry function, there will be no response if you press dehumidify button "< - >" and can not do relative settings. Only turn off the dry function, then press dehumidify button, can do the settings.

4. Dry button — (DRY): Press this button can turn on or turn off the dry function. Press Dry button, the display shows "Dry icon" and the machine operates in Dry mode: The dehumidifier's operate is out of ambient humidity control, and operates in continuously dehumidifying state. The air plate swings automatically (if you press swing button, the air plate will stop swinging). The fan operates in high grade, and no fan icon shows in the display. When the machine operates in dry mode, press Dry button can turn off dry function, and the machine will get back to the operate mode you set before dry function. When open dry function, there will be no response if you press dehumidify button "< - >" and can not do relative settings. Only turn off the dry function, then press dehumidify button, can do the settings.
5. Speed button (SPEED): Press this button can set the fan operates in low or middle grade. When the machine operate in automatically dehumidifying mode or continuously mode, press speed button can set the fan operates in middle grade or low grade. When the machine operates in dry mode, the fan operates in high grade. There will be no response when you press speed button and can not set relative speed.

Only turning off dry function and then press speed button can set the fan speed. When the machine defrosts automatically, the fan operates in middle grade (when the machine is in dry mode and defrosts automatically, the fan operates in high grade and no fan icon shows in the display). If the fan speed setting is low grade, when the ambient temperature is higher than 32°C, the fan will change to middle grade automatically; when the ambient temperature is lower than 30°C, the fan will come back to low grade automatically (if the machine operates in dry mode, when the ambient temperature is higher than 32°C, the fan stills operates in high grade.)

6. Swing button (SWING): When the machine operates, press this button can turn on the swing function and the air plate swings automatically. Press this button again can set the out let position in the swing range. The swing icon shows in the display in swing mode.

7. Timer button (TIMER): Press this button can set Power on/off time.
 - a. Timer to turn on the machine: When the machine is power off or in ready mode, press this button can set the operate time: set 00H (variable interval) and 01H, 02H,...22H, 23H, 24H. The display shows the timer continuously dehumidify icon and middle grade fan icon (If setting timer is 00H, the 00H icon, continuously dehumidifying icon and middle grade fan icon will turn off 3 seconds later). After setting time, the rest time will show with time passing by and when it reaches the setting time, the machine will operate automatically.
 - b. Timer to turn off the machine: When the machine is in operate mode, press timer button can set the time to turn off the machine: set 00H (variable interval) and 01H, 02H,...22H, 23H, 24H and the time shows in the display. After setting time, the rest time will show with the time passing by, and when it reaches the setting time, the machine will turn off automatically.

(4 d) Automatic defrost function

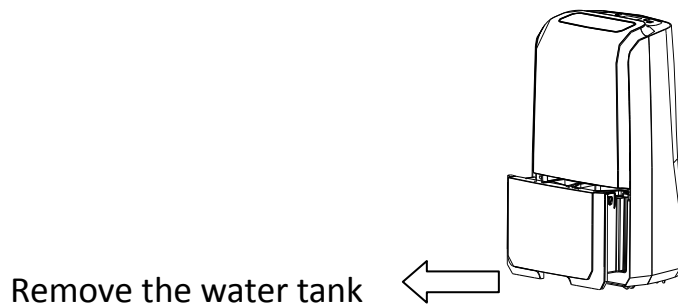
When the machine operates in low ambient temperature, the evaporator surface may be frozen. In order to make the machine operates normally, the machine is equipped with defrost function.

1. When the temperature sensor fixed on the evaporator copper pipe detects the temperature is $\leq -1^{\circ}\text{C}$: The machine will change to automatically defrost program, the machine will defrost automatically after it operates for 20minutes.
2. When the frost on the evaporator melt and the temperature sensor detects the ambient temperature is $\geq 3^{\circ}\text{C}$ and the melting time is longer than 5 minutes, the machine will stop defrosting and turn in to dehumidify function.
3. When defrosting, the red defrost indicator ***** lights up.
4. When defrosting, the compressor stops working, the fan speed is in middle grade (when the machine defrost in dry mode, fan operates in high speed and the fan icon does not show in the display). The dehumidify function will be turned up after defrosting, and the fan will turn back into the former setting grade.

(4 e) Water full defensive function

When the machine operates and the water in the water tank rises to the setting level, 10 beeps alarm and the red water full indicator (FULL) lights up.

The machine stops working and the air plate will turn off. Remove the water tank, pour out the water and then install the water tank. The machine will operate in the former settings, the red water full indicator turns off (the dehumidify function will reboot when the time between the water full and install the water tank is longer than 3 minutes).



(4 f) Compressor stop/boot defensive function

When the machine operates, the machine turns into the compressor defensive function when any operation causes the machine to stop working. The compressor will stop to operate after 3 minutes, which is the time the compressor cannot reboot in 3 minutes, while other functions are normal. When operating, the dehumidify function will boot after 3 minutes when you remove the water tank then install it or turn off then turn on the machine.

(4 g) Low temperature and high temperature defensive function

In case that the machine is damaged when it operates in an abnormal environment or when the air intake temperature and humidity sensor detects that the ambient is $\leq 0^{\circ}\text{C}$ or $\geq 40^{\circ}\text{C}$, the machine stops working and changes into temperature defensive function. The buzzer will alarm with 3 long beeps and 2 short beeps. The temperature shown in the display will twinkle and there will be no response when you press any button.

When the detected temperature is $\leq 0^{\circ}\text{C}$: the temperature data shows 0°C

and it twinkles. When the detected temperature is $\geq 40^{\circ}\text{C}$: the temperature data shows 40°C or the ambient temperature and it twinkles.

When the temperature sensor detects that the temperature is continuously $\geq 40^{\circ}\text{C}$ in 2 minutes, the machine will stop working and boot the over-heat defensive function. The red defrost indicator ***** lights up for 3 seconds and twinkles for 2 seconds. There is no response when you press any button.

- 1) When the machine is in over-temperature defensive function, please unplug the power cord and when it has relieved the defensive function, it can be turned on.
- 2) When the machine is in low temperature or high temperature defensive functions unplug the power cord. The machine has no power off memory function.

(4 h) Temperature and humidity sensor fault detect function.

When the connectors on the temperature and humidity sensor get loose, off line or bad contacted, the showed ambient temperature is 0°C , and the humidity is 0%RH. The continuously dehumidify icon twinkles and the machine turns to continuously dehumidifying.

You can press setting buttons to set automatically dehumidify, continuously dehumidify and blow, but the machine will not operate according to your setting, it will turn to continuously dehumidify mode.

You can press Dry button to set dry mode. Also the speed function, swing function and timer function can be set. This malfunction will not influence the dehumidification.

When the temperature sensor on the evaporator copper pipe is open circuit, short circuit or connectors become loose, the red defrost indicator *****

twinkles continuously and the machine turns to settle dehumidify defrost mode: dehumidify for 20 minutes and defrost for 5 minutes (circulation).

When the machine's temperature and humidity sensor and the evaporator copper pipe's temperature sensor becomes malfunction or loose, all the function buttons can operate normally. The machine can still be used, only the effect will be a little bit worse.

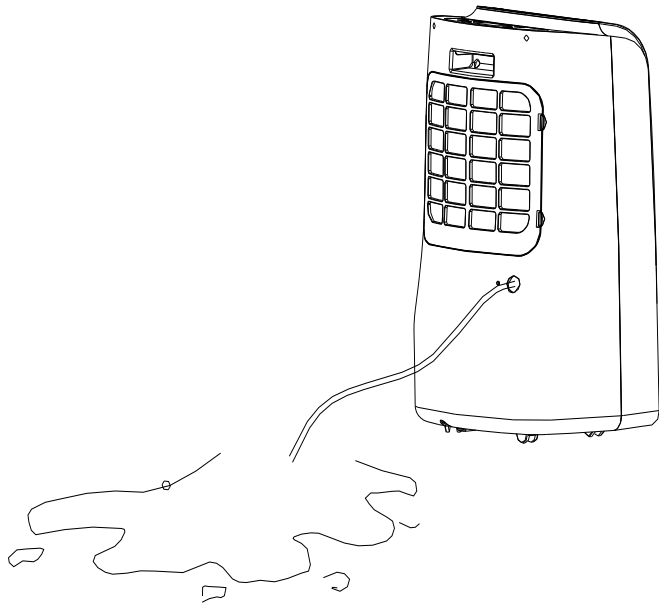
(4 i) Power off memory function

Press POWER button to turn off the machine (without unplugging the power cord), press POWER button to turn on the machine, it will remain the former operate mode. If there is a power failure (unplug the power cord or the power outage) when the machine operates, the machine will reboot automatically and operate in continuously dehumidify mode and fan in middle grade when the power resumes.

(4 j) Continuous drainage function

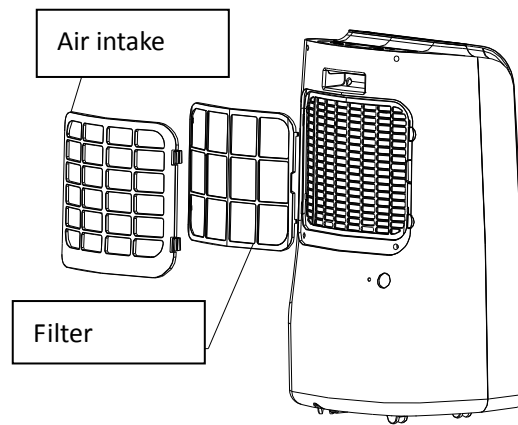
When it needs continuous drainage, remove the drain plug, connect the drain with the bundled rubber pipe. There will be no water in the water tank when the machine operates. The machine can operate continuously and will not turn off because of the water tank full.

NOTE! When continuous drainage, the drain pipe should be placed flat on the ground. Any part of the pipe can not be folded and up-wrapped, in case that the pipe jammed and no water can flow out.



5. Maintenance

- ★ The casing is made of plastic; please do not place it in the sunshine.
- ★ Please remove and place the water tank gently.
- ★ When cleaning the casing, please use clean and soft cloth (please do not use alcohol, gasoline, benzene or other chemical solvent)
- ★ Keep the filter clean. Please place it on the ventilated place to make it dry after you clean it with water or vacuum sweeper.



- ★ Please unplug the power cord before you clean the machine or do other maintenance.
- ★ Please unplug the power cord and pour out the water before you move the machine.
- ★ Please unplug the machine and pour out the water if you will not use it for a long time. Please pack it up when the machine becomes dry and please keep it in dry environment in order to lengthen its life. Please place the machine straight, do not make it up-side-down.
- ★ When doing maintenance, please ask for a profession. If the consumer do it himself and cause any damage, the consumer should burden the damage himself.
- ★ When the machine reaches its lifetime, please recycle it at your local recycling station.

This appliance is not intended for use by person (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 by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

6. Major Performance Parameters

Model	Arctus Fenja 25
Rated voltage	220-240V/50HZ
Dehumidification	25 L/24 hrs (30°C 80%RH)
Power	430W (30°C 80%RH)
MAX power	550W (35°C 90%RH)
Air Volume	Low: 145m ³ /h, Medium: 170 m ³ /h, High:185 m ³ /h
Refrigerant	R410A 180 g
Capacity water tank	5 L
Size	372 × 282 × 614 mm



This product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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