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HANGSUN DL20

Hangsun 20L Dehumidifier User Manual

Model: DL20 | Brand: HANGSUN

Introduction

Thank you for choosing the Hangsun 20L Dehumidifier, Model DL20. This appliance is designed to effectively remove excess moisture from your indoor environment, creating a more comfortable and healthier living space. It features an intelligent humidity sensor, multiple operating modes, and user-friendly controls to ensure optimal performance.
Key features include:

- Intelligent humidity sensor with indicator lights for real-time humidity monitoring.
- Three advanced operating modes: Auto, Continuous (Laundry), and Sleep.
- Two fan speed settings to meet various dehumidification needs.
- Low energy consumption design.
- Quiet operation, especially in Sleep mode (below 41 dB).
- Flexible drainage options: manual 4.5L water tank or continuous drainage with a hose.





Figure 1: Front view of the Hangsun 20L Dehumidifier.

Safety Instructions

Please read all safety instructions carefully before using the appliance to prevent injury or damage. Keep this manual for future reference.

- Ensure the dehumidifier is placed on a stable, level surface.
- Maintain at least 20 cm (8 inches) clearance around the unit for proper airflow.
- Do not block air inlets or outlets.
- Do not operate the unit near water or in excessively wet environments.
- Unplug the unit before cleaning or performing any maintenance.

- Keep out of reach of children and pets.
- Do not insert objects into the air vents.
- Use only the power supply specified for this unit.

Product Overview

Familiarize yourself with the components of your dehumidifier.



Figure 2: Dehumidifier dimensions and coverage area. The unit measures approximately 23.5 cm (9.3 inches) in width, 30.5 cm (12.0 inches) in depth, and 49.5 cm (19.5 inches) in height. It is suitable for areas up to 30m² (325 sq.ft.) and can remove up to 20 liters of moisture per day.



Figure 3: Close-up view of the smart control panel, featuring touch buttons and an LED display for current humidity levels.

Setup

1. Unpacking

Carefully remove the dehumidifier from its packaging. Retain all packaging materials for future storage or transport.

2. Placement

Place the dehumidifier upright on a firm, level surface in the area where dehumidification is desired. Ensure there is adequate space around the unit (at least 20 cm / 8 inches) for proper air circulation. Avoid placing it directly against walls or furniture that might obstruct airflow.

3. Power Connection

Plug the power cord into a grounded electrical outlet. The unit is now ready for operation.

4. Drainage Options

Your dehumidifier offers two methods for water drainage:

- **Manual Drainage (Water Tank):** The unit comes with a detachable 4.5-liter water tank. When the tank is full, the dehumidifier will automatically shut off and an indicator will light up, signaling that the tank needs to be emptied.
- **Continuous Drainage:** For extended operation without manual emptying, you can connect the included 39.4-inch long drain hose to the continuous drainage port. Ensure the hose is sloped downwards to allow gravity to drain the water into a suitable drain or container.



Figure 4: Illustration of the two drainage choices: manual water tank emptying and continuous drainage via hose.

Operating Instructions

Control Panel Overview



Figure 5: Detailed view of the control panel buttons: Child Lock, Speed Setting (Fan), 24hr Timer, Humidity Setting (HUM), Mode Setting (MODE), and Power Button.

- **Power Button:** Turns the unit On or Off.
- **Mode Button (M):** Cycles through Auto, Continuous (Laundry), and Sleep modes.
- **Humidity Setting (HUM):** Adjusts the desired humidity level (30%-80% RH).
- **Fan Speed Button:** Toggles between high and low fan speeds.
- **Timer Button:** Sets the 24-hour on/off timer.
- **Child Lock Button:** Locks the control panel to prevent accidental changes.
- **LED Display:** Shows current humidity level or timer settings.

Operating Modes



Figure 6: Visual representation of the three dehumidification modes: Sleep, Continuous (Laundry), and Auto.

- **Auto Mode:** The unit will automatically sense the room's humidity and operate to maintain the set humidity level (between 35%-80% RH). It will turn off once the target humidity is reached to conserve energy.
- **Continuous (Laundry) Mode:** Ideal for drying clothes or keeping basements dry. In this mode, the unit runs continuously regardless of the humidity level until manually turned off or the water tank is full.
- **Sleep Mode:** Designed for quiet operation, allowing you to work, read, or sleep undisturbed. The fan speed will be set to low, and the display lights may dim. Noise levels are typically below 41 dB in this mode.

Intelligent Humidity Sensor with Indicator Lights

The dehumidifier features an automatic humidity sensor and intelligent indicator lights on the side of the unit to provide a quick visual reference of the ambient humidity:



Figure 7: Humidity indicator lights. Blue indicates humidity below 45%, Green indicates optimal humidity between 45% and 65%, and Red indicates humidity above 65%.

- **Blue Light:** Ambient humidity is below 45%.
- **Green Light:** Ambient humidity is optimal, between 45% and 65%.
- **Red Light:** Ambient humidity is above 65%.

Maintenance

Regular maintenance ensures the longevity and efficient operation of your dehumidifier. Always unplug the unit before cleaning.

1. Emptying the Water Tank

When the water tank is full, the unit will stop operating and an indicator light will illuminate. Carefully pull out the water tank from the unit, empty the collected water, and then slide the tank back into place until it clicks securely. The unit will resume operation.

2. Cleaning the Air Filter

A dirty filter can reduce efficiency. It is recommended to clean the air filter every two weeks or more frequently depending on usage and air quality.

1. Turn off and unplug the dehumidifier.
2. Locate and remove the air filter (usually at the back or side of the unit).
3. Clean the filter with a vacuum cleaner or wash it gently with warm, soapy water.
4. Rinse thoroughly and allow the filter to air dry completely before reinserting it.

3. Cleaning the Exterior

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals, abrasives, or solvents, as these can damage the surface.

Troubleshooting

Before contacting customer support, please refer to the following common issues and their solutions.

Problem	Possible Cause	Solution
Dehumidifier does not turn on.	• No power supply. • Water tank is full or not properly seated. • Temperature/humidity outside operating range.	• Check power cord connection and wall outlet. • Empty water tank and ensure it is correctly inserted. • Ensure room temperature is between 5°C-35°C (41°F-95°F) and humidity is above 30%.
No water is collected.	• Room humidity is already low. • Air filter is clogged. • Unit is in continuous drainage mode, but hose is blocked or not sloped.	• Check the current humidity level on the display. • Clean the air filter. • Check the drainage hose for kinks or blockages and ensure proper downward slope.
Unit is noisy.	• Fan speed is set to high. • Unit is not on a level surface. • Air filter is dirty.	• Switch to low fan speed or Sleep mode for quieter operation. • Place the unit on a flat, stable surface. • Clean the air filter.
Unusual odor.	• Dirty air filter. • New unit smell (will dissipate).	• Clean the air filter. • Ensure good ventilation in the room.



Figure 8: The DL20 Dehumidifier operates at approximately 41dB on its lowest fan speed, which is quieter than a normal conversation, ensuring a peaceful environment.

Specifications

Attribute	Value
Brand	HANGSUN
Model Number	DL20
Color	White
Product Dimensions (L x W x H)	23.5 x 30.5 x 49.5 cm (9.3 x 12.0 x 19.5 inches)
Item Weight	13.43 Kilograms
Capacity (Water Tank)	20 Liters (daily removal), 4.5 Liters (tank)

Attribute	Value
Number of Speeds	2
Recommended Use	Domestic
Operating Mode	Auto
Moisture Removal Capacity	20 Liters per day
Coverage Area	Up to 30 m² (325 sq.ft.)

Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your purchase or visit the official HANGSUN website. Keep your proof of purchase for any warranty claims.
If you encounter issues not covered in this manual, please contact HANGSUN customer service for assistance.

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Submit question

Answered questions about this manual

Why won't my Hangsun DL20 dehumidifier turn on, and what does the 'CL' code on the display mean?

The CL code on your Hangsun DL20 dehumidifier display stands for Child Lock. When this feature is active, the control panel is locked to prevent accidental changes, which is why the unit may seem...

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