

## Bestherm GD20-20RC

# BESTHERM Athea 20L Dehumidifier User Manual

Model: GD20-20RC

## 1. IMPORTANT SAFETY INSTRUCTIONS

Read all instructions carefully before using the appliance. Keep this manual for future reference.

- Ensure the power supply matches the voltage specified on the rating label.
- Do not operate the dehumidifier with a damaged cord or plug.
- Place the unit on a stable, level surface to prevent tipping.
- Maintain a minimum distance of 20 cm (8 inches) from walls or other objects to ensure proper airflow.
- Do not insert objects into the air inlet or outlet.
- Unplug the appliance before cleaning or performing any maintenance.
- Do not use the appliance in areas where flammable gases or liquids are stored.
- This appliance is for indoor household use only.
- Keep children and pets away from the appliance during operation.

## 2. PRODUCT OVERVIEW

The BESTHERM Athea 20L Dehumidifier is designed to efficiently reduce humidity levels in your home, improving air quality and comfort. It features an intelligent humidistat, air purification capabilities, and a user-friendly interface.





Figure 2.1: Front view of the BESTHERM Athea 20L Dehumidifier.

### Key Features:

- **Intelligent Digital Humidistat:** Automatically regulates optimal humidity levels with a clear LCD display.
- **Ionizer & Active Carbon Filter:** Purifies air by neutralizing odors and fine particles. Compatible with HEPA 11 & 13 filters (not included).
- **Quiet and Energy Efficient:** Operates at 42 dB, suitable for bedrooms, offices, and living areas.

- **4L Removable Tank & Continuous Drainage:** Features a removable tank with audible and visual alerts when full. Includes a lift pump for uninterrupted operation.
- **Laundry Drying Mode:** Maintains 35% humidity for quick and efficient clothes drying.
- **24-hour Programmable Timer & Auto Restart:** Offers flexible control over operating time and automatically restarts after power interruption.
- **Optimal Mobility:** Equipped with robust wheels and an ergonomic handle for easy movement between rooms.

## Components:

- Control Panel with LCD Display
- Air Inlet Grille
- Air Outlet
- Water Tank (4L capacity)
- Active Carbon Filter (pre-installed)
- Continuous Drainage Outlet
- Power Cord
- Wheels and Handle

## 3. SETUP AND INSTALLATION

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Follow these steps to prepare your dehumidifier for first use.

### 3.1 Unpacking

1. Carefully remove the dehumidifier from its packaging.
2. Remove all packing materials, including any tape or protective films.
3. Inspect the unit for any signs of damage. If damaged, do not operate and contact customer support.

### 3.2 Placement

1. Place the dehumidifier on a firm, level surface in the desired room.
2. Ensure there is at least 20 cm (8 inches) of clear space around the air inlet and outlet for optimal performance.
3. Avoid placing the unit near heat sources, in direct sunlight, or in areas with excessive dust.



Figure 3.1: The Athea 20L Dehumidifier positioned in a living space, highlighting its compact design and 20L/day extraction capacity.

### 3.3 Power Connection

Plug the power cord into a grounded electrical outlet. Ensure the outlet meets the power requirements of the unit.

### 3.4 Continuous Drainage (Optional)

For continuous operation without emptying the water tank, you can connect a drainage hose (included) to the continuous drainage outlet. Ensure the hose is sloped downwards to allow gravity drainage into a suitable receptacle or drain.

## 4. OPERATING INSTRUCTIONS

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Familiarize yourself with the control panel and operating modes.

### 4.1 Control Panel

The control panel is located on the top of the unit and features an LCD display and various buttons for settings.

- **Power Button:** Turns the unit ON/OFF.
- **Mode Button:** Cycles through operating modes (e.g., Dehumidify, Laundry Dry).
- **Humidity Setting Buttons (+/-):** Adjusts the desired humidity level.
- **Timer Button:** Sets the 24-hour programmable timer.
- **Fan Speed Button:** Adjusts fan speed (High/Low).
- **Ionizer Button:** Activates/deactivates the ionizer function.

### 4.2 Dehumidification Mode

1. Press the Power button to turn on the unit.
2. Press the Mode button until "Dehumidify" or a similar indicator is displayed.
3. Use the Humidity Setting buttons (+/-) to set your desired humidity level (e.g., 50% - 60% is generally recommended for comfort). The unit will operate until this level is reached, then cycle on and off to maintain it.
4. Adjust the Fan Speed if desired.

### 4.3 Laundry Drying Mode

This mode is optimized for drying clothes faster by maintaining a lower humidity level.

1. Place the dehumidifier in the room with the drying laundry.
2. Press the Mode button until "Laundry Dry" or a similar indicator is displayed. The unit will automatically target a humidity level of approximately 35%.
3. Ensure the room is closed to maximize efficiency.

### 4.4 Timer Function

The 24-hour timer allows you to program the unit to turn ON or OFF automatically.

- **To set Auto-OFF:** While the unit is running, press the Timer button and use (+/-) to set the desired number of hours until shutdown.
- **To set Auto-ON:** While the unit is OFF, press the Timer button and use (+/-) to set the desired number of hours until startup.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and extends the lifespan of your dehumidifier.

### 5.1 Emptying the Water Tank

When the water tank is full, the unit will stop operating, and an audible/visual alert will activate.

1. Gently pull out the water tank from the front of the unit.
2. Carefully empty the collected water.
3. Slide the empty tank back into its position until it clicks securely. The unit will resume operation.

### 5.2 Cleaning the Air Filter

The air filter should be cleaned every two weeks or more frequently depending on usage and air quality.

1. Unplug the dehumidifier from the power outlet.
2. Locate the air filter (usually behind the air inlet grille).
3. Remove the filter.
4. Clean the filter using a vacuum cleaner or wash it gently with warm, soapy water. Rinse thoroughly and allow it to air dry completely before reinstallation.
5. Reinstall the dry filter and close the grille.

The unit is compatible with HEPA 11 & 13 filters (not included). Consult the manufacturer for compatible replacement filters.

### 5.3 Cleaning the Unit Exterior

Wipe the exterior of the dehumidifier with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

## 6. TROUBLESHOOTING

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If you encounter issues, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	No power; power cord loose; water tank full or not properly seated.	Check power connection; ensure tank is empty and correctly inserted.
No water collected.	Room humidity too low; temperature too low; air filter clogged; unit in continuous drainage mode.	Verify room conditions; clean air filter; check continuous drainage setup.
Unit is noisy.	Unit not on a level surface; air filter clogged; internal components loose.	Place on a level surface; clean air filter; if noise persists, contact support.
Airflow is weak.	Air inlet/outlet blocked; air filter clogged.	Clear obstructions; clean air filter.

For issues not listed here, please contact BESTHERM customer support.

## 7. SPECIFICATIONS

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Detailed technical specifications for the BESTHERM Athea 20L Dehumidifier.

Feature	Detail
Brand	Bestherm
Model Number	GD20-20RC
Color	White
Product Dimensions (L x W x H)	20.6 x 38 x 58 cm
Item Weight	13.8 Kilograms
Capacity (Extraction)	20 Liters/day
Water Tank Volume	4 Liters
Material	Plastic
Automatic Shut-off Function	Yes (when tank is full)
Number of Speeds	2
Special Feature	Removable Tank, Ionizer, Active Carbon Filter
Recommended Use	Domestic

## 8. WARRANTY AND SUPPORT

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BESTHERM is committed to providing quality products and customer satisfaction.

### 8.1 Product Warranty

This product comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

### 8.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact our customer support team:










- **Online FAQ:** Visit [www.bestherm.fr/pages/faq](http://www.bestherm.fr/pages/faq)
- **Telephone Assistance:** 03 20 47 05 37
- **Email Assistance:** [sav@hom-y.fr](mailto:sav@hom-y.fr)






Figure 8.1: Scan this QR code to access installation and programming videos on the BESTHERM YouTube channel. [BESTHERM YouTube Channel](#)

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## Related Documents - GD20-20RC

 <p><b>MANUEL D'INSTRUCTIONS</b> <b>LUCCA</b></p> <p>Modèles: H810-T130L, H815-T130L, H820-T130L</p>  <p>Traduction de la version originale du manuel d'instructions</p>  <p>1</p>	<p><a href="#">Bestherm Lucca Heater Instruction Manual</a></p> <p>Comprehensive instruction manual for the Bestherm Lucca heater, covering safety guidelines, installation, electrical connection, and operational modes. Learn how to set up and use your Lucca heater efficiently.</p>
 <p><b>MANUEL D'INSTRUCTIONS</b> <b>Hanae</b></p> <p>Modèles: HJ5EDBF, HJ8EDBF</p>  <p>Traduction de la version originale du manuel d'instructions</p>  <p>1</p>	<p><a href="#">Bestherm Hanae Radiateur Électrique - Manuel d'Instructions</a></p> <p>Ce manuel d'instructions fournit des informations détaillées sur l'installation, l'utilisation et la maintenance des radiateurs électriques Bestherm Hanae, modèles HJ5EDBF et HJ8EDBF.</p>
 <p><b>MANUEL D'INSTRUCTIONS</b> <b>NESSA CONNECT</b></p> <p>Modèles: HT10-23AEW, HT15-23AEW, HT20-23AEW</p>  <p>Traduction de la version originale du manuel d'instructions</p>  <p>1</p>	<p><a href="#">Bestherm NESSA CONNECT: Manuel d'instructions pour radiateur électrique HT10-23AEW, HT15-23AEW, HT20-23AEW</a></p> <p>Manuel d'instructions complet pour le radiateur électrique Bestherm NESSA CONNECT. Découvrez comment installer, utiliser et entretenir votre appareil en toute sécurité. Inclut les modèles HT10-23AEW, HT15-23AEW, HT20-23AEW.</p>

	<p><a href="#">Manuel d'instructions Bestherm ARIA HT5PDC</a></p> <p>Ce manuel d'instructions fournit des informations détaillées sur l'installation, l'utilisation et la sécurité du radiateur Bestherm ARIA, modèle HT5PDC. Découvrez ses fonctionnalités, modes et réglages pour un chauffage optimal.</p>
	<p><a href="#">Bestherm LEA Electric Heater: Installation, Operation, and Safety Manual</a></p> <p>Comprehensive user manual and technical specifications for the Bestherm LEA electric heater (models HT10-24AEF, HT15-24AEF, HT20-24AEF), covering safety guidelines, installation procedures, operation, technical specifications, and maintenance.</p>
	<p><a href="#">Goodrive20-EU Series General Purpose Vector Control Inverter - Product Catalog &amp; Specifications</a></p> <p>Detailed product catalog and technical specifications for the INVNT Goodrive20-EU Series General Purpose Vector Control Inverter, including features, applications, selection guide, wiring, and installation dimensions.</p>