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› Fierscial 80 Pint Dehumidifier User Manual

Fierscial NA7-5253-1-NEW

Fierscial 5,000 Sq.Ft 80 Pint Dehumidifier

USER MANUAL

Model: NA7-5253-1-NEW

1. PRODUCT OVERVIEW

The Fierscial 80 Pint Dehumidifier is designed to efficiently remove excess moisture from large spaces up to 5,000 square feet. It features intelligent humidity control, dual protection, and four versatile operating modes to create a comfortable and healthy environment. This unit is ideal for basements, homes, offices, bathrooms, bedrooms, kitchens, stockrooms, living rooms, laundry rooms, cellars, and crawlspaces.



Figure 1: Fierscial 80 Pint Dehumidifier, front view.

2. KEY FEATURES

- **High Efficiency:** Capable of removing up to 80 pints of moisture per day in spaces up to 5,000 Sq.Ft, utilizing semiconductor condensation technology.
- **Versatile Modes:** Features DEHU (smart humidity adjustment), CONT (continuous operation for persistently moist areas), SDEHU (speed dehumidification), and DRY (for drying clothes and household items).

- **Portable Design:** Equipped with a convenient handle and 360° rotating wheels for easy mobility.
- **User-Friendly Indicators:** An innovative three-color indicator displays humidity levels (Blue: $RH \leq 50\%$, Green: $50\% \leq RH \leq 70\%$, Red: $70\% \leq RH$).
- **Air Purification:** Includes a reusable filter that purifies the air and removes odors.
- **Multiple Drainage Options:** Features a 1.7-gallon (6.5L) visual water tank with automatic shut-off when full, or continuous drainage via the included 3.9 ft drain hose.
- **Intelligent Control System:** Easy-to-use control panel for humidity levels, fan speeds (2 options), ionizer, and a 24-hour timer. Includes automatic shut-off, auto-restart, and defrost functions.
- **Energy Saving:** Designed with a 3.0 Generation Upgraded powerful compressor for efficient moisture absorption, potentially saving up to 40% energy compared to traditional dehumidifiers.



Figure 2: Internal components of the Fierscial Dehumidifier, highlighting the compressor refrigeration technology.

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Video 1: An internal demonstration of the Fierscial large dehumidifier, showcasing its operational principles and components.

3. SETUP

3.1 Placement

Place the dehumidifier on a level surface in the desired area. Ensure there is at least 8 inches (20 cm) of space around the unit for proper airflow. The 360° rotating wheels allow for easy positioning.

3.2 Power Connection

Plug the dehumidifier into a grounded electrical outlet. The unit is designed for standard residential use.

3.3 Drainage Options

The Fierscial dehumidifier offers two drainage methods:

- **Manual Drainage:** The unit will collect water in its 1.7-gallon (6.5L) visual water tank. When the tank is full, the dehumidifier will automatically stop operation, and an indicator light will illuminate to remind you to empty the tank.
- **Continuous Drainage:** For continuous operation without manual emptying, attach the included 3.9 ft drain hose to the dehumidifier's drainage outlet. Ensure the hose is sloped downwards to allow gravity to drain the water into a suitable floor drain or container.

FLEXIBLE DRAINAGE OPTIONS

Two Drainage Methods



Manual Drainage

Manually drain the 1.7 L full water tank when it automatically shuts off



13.5"

22.5"

9.5"



Auto Drainage

Automatically and continuously drain the water through a hose.



OVERFLOW PROTECTION

Auto shut off and indicator light on when water tank is full

Figure 3: Illustration of manual and continuous drainage methods.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

The dehumidifier features an intuitive control panel on the top of the unit. Familiarize yourself with the buttons and display for optimal use.

EASY TO OPERATE CONTROL PANEL

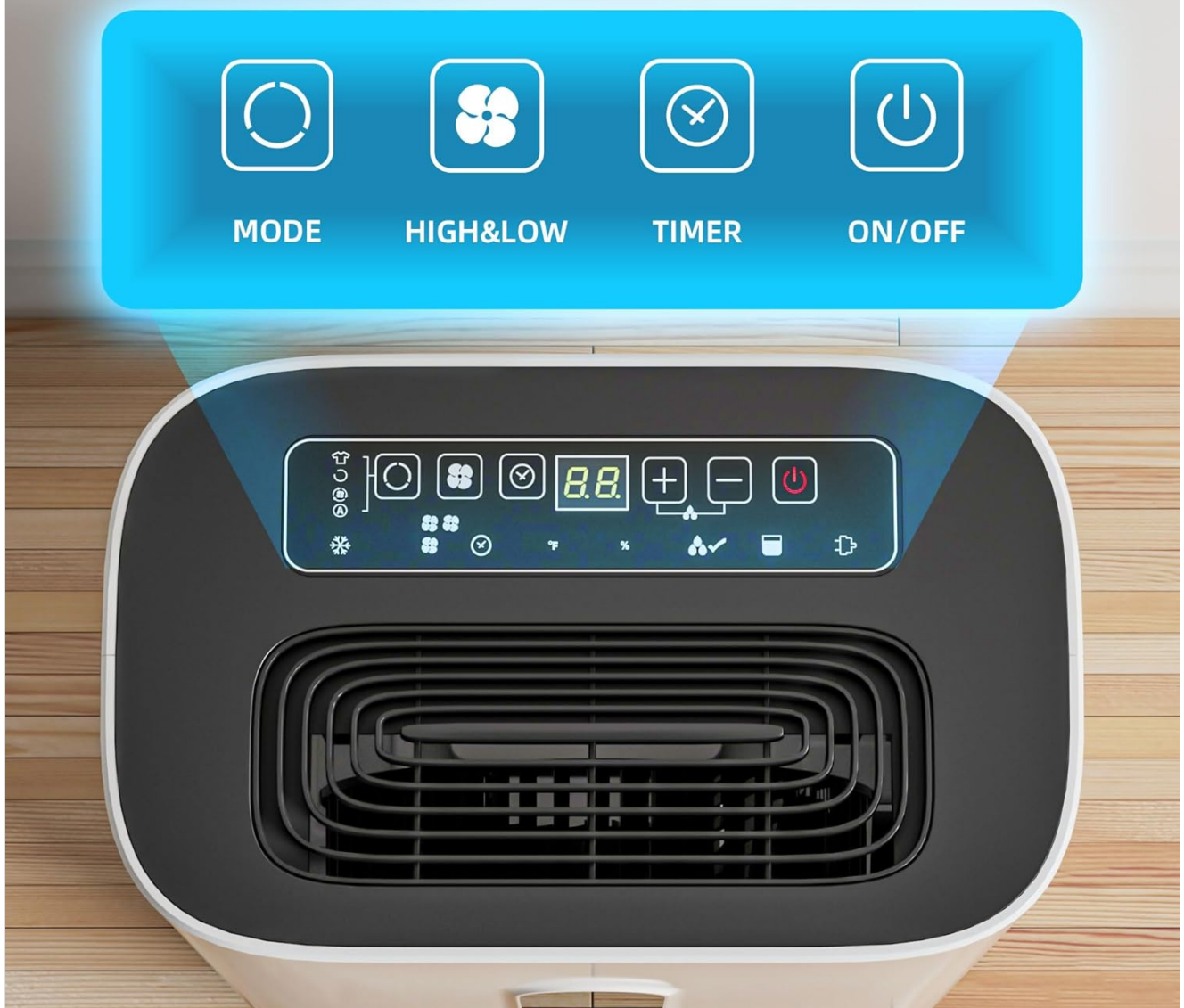


Figure 4: Easy-to-operate control panel.

4.2 Operating Modes

Press the 'MODE' button to cycle through the available modes:

- **DEHU Mode:** Smartly adjusts humidity to your target level (adjustable from 30% to 80% Relative Humidity).
- **CONT Mode:** Operates continuously, ideal for managing persistently moist areas.
- **SDEHU Mode:** Provides larger power for faster dehumidification.
- **DRY Mode:** Quickly dries delicate clothes and cotton household items, preventing dampness.

4.3 Humidity Control and Fan Speed

Use the '+' and '-' buttons on the control panel to set your desired humidity level in DEHU mode. You can also select between 2 fan speeds (High & Low) to suit your needs. For effective dehumidification, keep doors and windows closed while the unit is running.

4.4 Timer Function

Set the timer for up to 24 hours to automatically turn the dehumidifier on or off at a specified time.

4.5 Indicator Lights

The front panel features a three-color indicator light to quickly assess the ambient humidity:

- **Blue:** Relative Humidity (RH) \leq 50% (Slightly Damp)
- **Green:** $50\% \leq$ RH \leq 70% (Comfortable)
- **Red:** $70\% \leq$ RH (Damp)



Figure 5: Humidity indicator light colors.

5. MAINTENANCE

5.1 Water Tank Emptying

If not using continuous drainage, regularly check and empty the 1.7-gallon water tank when the full indicator light illuminates. The tank is designed with a convenient handle for easy pouring.

5.2 Filter Cleaning

The dehumidifier is equipped with a reusable filter. For optimal performance and air quality, regularly clean the filter. The filter can be quickly disassembled for washing.



Figure 6: Features for portability and maintenance, including the washable filter.

6. TROUBLESHOOTING

If you encounter any issues with your Fierscial dehumidifier, please refer to the common troubleshooting steps in the full product manual or contact customer support. Common issues may include the unit not turning on, not collecting water, or unusual noises.

7. SPECIFICATIONS

Feature	Specification
Brand	Fierscial
Model Name	dehumidifier (NA7-5253-1-NEW)
Floor Area Coverage	5000 Square Feet
Dehumidification Capacity	80 Pints per Day
Tank Volume	1.7 Gallons (6.5L)
Product Dimensions	13.39"D x 22.44"W x 9.45"H
Item Weight	32.1 pounds
Color	White
Material	Plastic
Number of Speeds	3
Wattage	400 watts
Air Flow Capacity	11500 CFPH

Feature	Specification
Included Components	Drain Hose

8. WARRANTY AND SUPPORT

Fierscial offers a 30-day exchange/refund policy and a 2-year warranty service to ensure your satisfaction with your dehumidifier purchase. If you have any questions or concerns regarding missing parts, quality issues, transportation, or any other matter, please do not hesitate to reach out to Fierscial customer support for assistance.