

Hanchen B0FDJV7YP4

Hanchen 3000W Professional Low Lying Fog Machine User Manual

Model: B0FDJV7YP4

1. INTRODUCTION

This manual provides essential information for the safe and effective operation, setup, and maintenance of your Hanchen 3000W Professional Low Lying Fog Machine. Please read this manual thoroughly before using the product to ensure proper function and to prevent damage or injury.

The Hanchen 3000W Low Lying Fog Machine is designed to produce dense, ground-hugging fog effects for various events, stages, and entertainment venues. It features a durable, food-grade PP tank, dual fog nozzles, and multiple control options including LCD, DMX512, and a wireless remote.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the product.

- Always connect the machine to a grounded power outlet with the correct voltage (110V 60Hz).
- Ensure the power cord is not damaged, pinched, or walked on.
- Use only water-based fog fluid specifically designed for fog machines. Do not use flammable liquids, oil-based fluids, or any other substances.
- Do not immerse the machine in water or expose it to rain or moisture.
- Keep the machine away from heat sources, open flames, and flammable materials.
- Ensure adequate ventilation around the machine to prevent overheating. Do not block air vents.
- Do not touch the fog nozzles during operation, as they may become hot.
- Keep children and unauthorized personnel away from the machine during operation.
- Disconnect the power supply before cleaning, servicing, or refilling the fluid tank.

- The upgraded food-grade PP tank is rustproof, shockproof, and non-toxic, offering enhanced safety compared to traditional metal tanks.
- The low-voltage atomizer design minimizes the risk of electric shock, making it safer for various environments.

3. PRODUCT OVERVIEW AND COMPONENTS

Familiarize yourself with the main components of your Hanchen Low Lying Fog Machine.



Image 3.1: The Hanchen 3000W Low Lying Fog Machine, showcasing its robust design and the transparent food-grade PP water tank. The machine is equipped with wheels for easy portability and features dual fog output nozzles.

Low-Voltage Atomizer = ZERO SAFETY RISKS

Breathe Easy & Use with Confidence!



Image 3.2: A close-up view of the low-voltage atomizer system inside the Hanchen fog machine. This design ensures safety by operating at a reduced voltage, eliminating electric shock risks during operation.

Quiet Cooling & INTELLIGENT CRUISE BOOST

Uninterrupted, Smooth Performance!

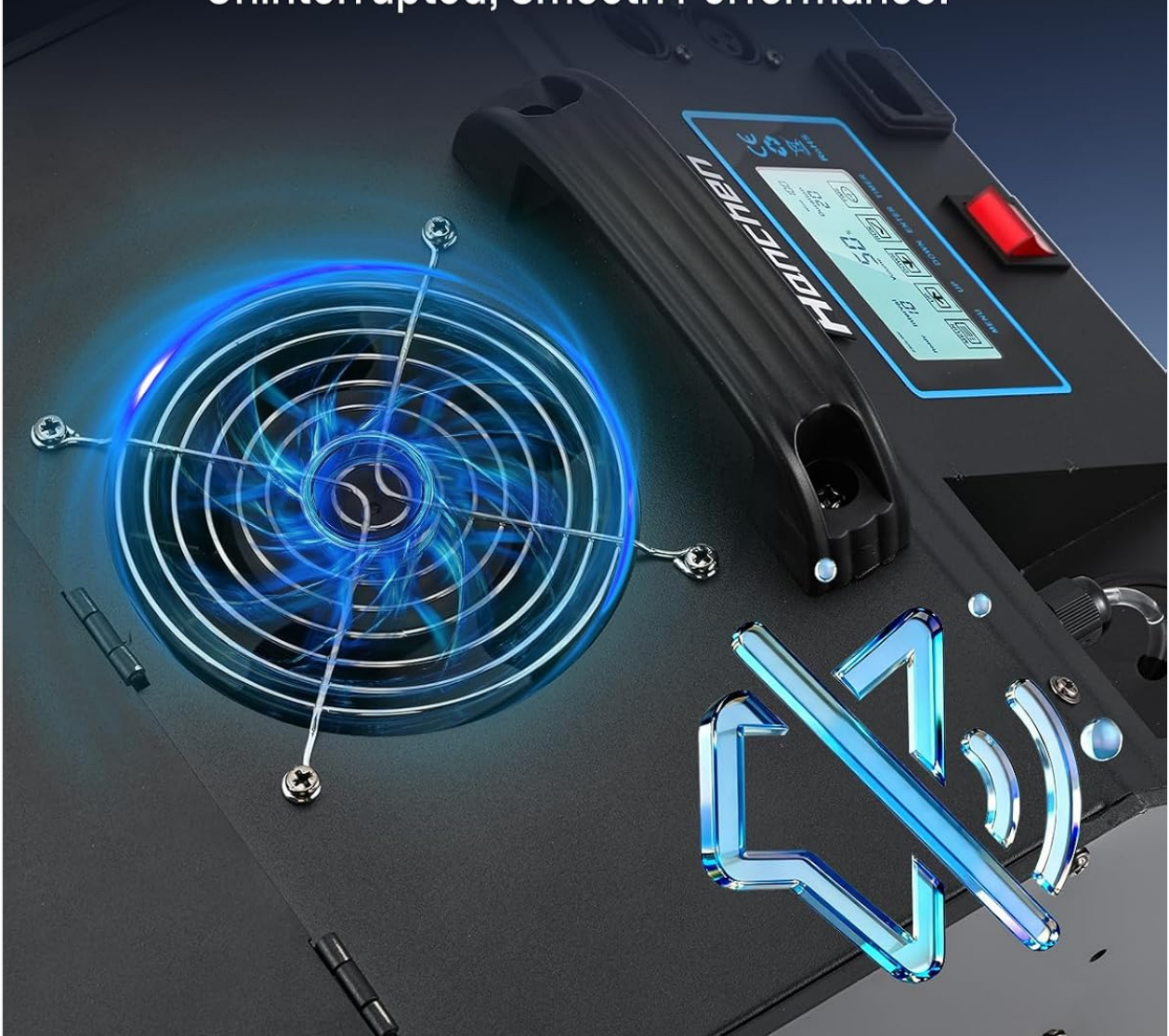


Image 3.3: The quiet cooling turbo fan, an integral part of the machine's intelligent cruise boost system. This fan ensures stable performance and prevents overheating, contributing to the machine's longevity and consistent fog output.

4. SETUP

1. **Unpacking:** Carefully remove the fog machine from its packaging. Inspect for any signs of damage during transit. Retain packaging for future storage or transport.
2. **Placement:** Place the machine on a stable, level surface in a well-ventilated area. Ensure there is sufficient space around the machine for air circulation and fog dispersion. Position the dual fog nozzles towards the desired area for fog effect.
3. **Fill Fluid Tank:** Open the cap of the food-grade PP tank. Carefully pour only *water-based fog fluid* into

the tank. Do not overfill. The tank has a capacity of 0.26 Gallons (1 Liter). Securely close the cap after filling.

4. **Connect Power:** Plug the power cord into a grounded 110V 60Hz electrical outlet. The machine will begin its initial preheating process.
5. **DMX Connection (Optional):** If using DMX control, connect a DMX cable from your DMX controller to the DMX IN port on the fog machine. If chaining multiple DMX devices, connect from the DMX OUT port to the next device's DMX IN port.

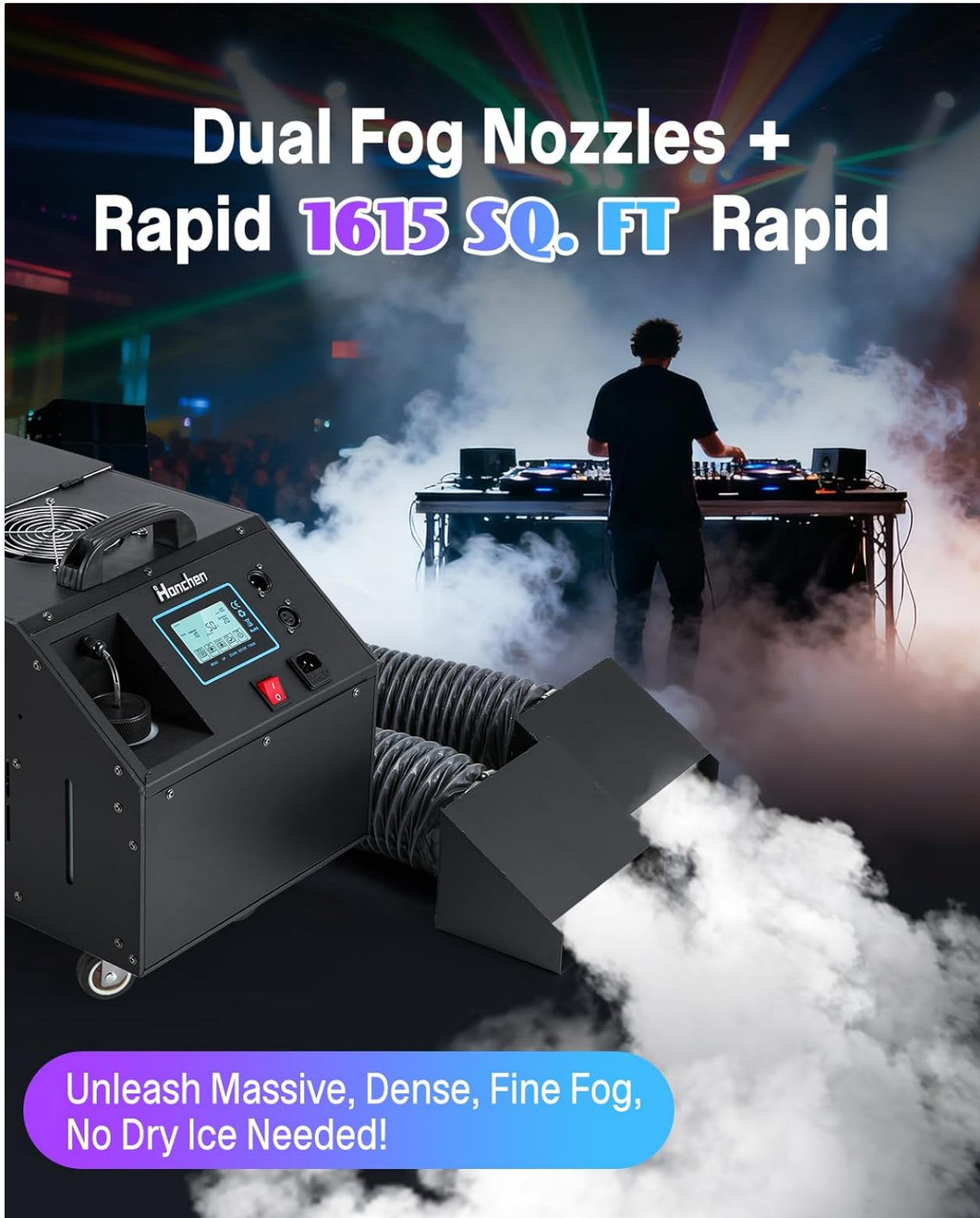


Image 4.1: The Hanchen fog machine with its dual fog nozzles actively producing low-lying fog. This image demonstrates the machine's capability to cover a significant area quickly, creating an immersive atmosphere.

5. OPERATING INSTRUCTIONS

The Hanchen 3000W fog machine offers flexible control options for various operational needs.

3-Way Control

Take command any way you want

- Panel
- DMX
- Remote

Manual Keys for simplicity

DMX512 for pro lighting sync

Wireless Remote for hands-free operation

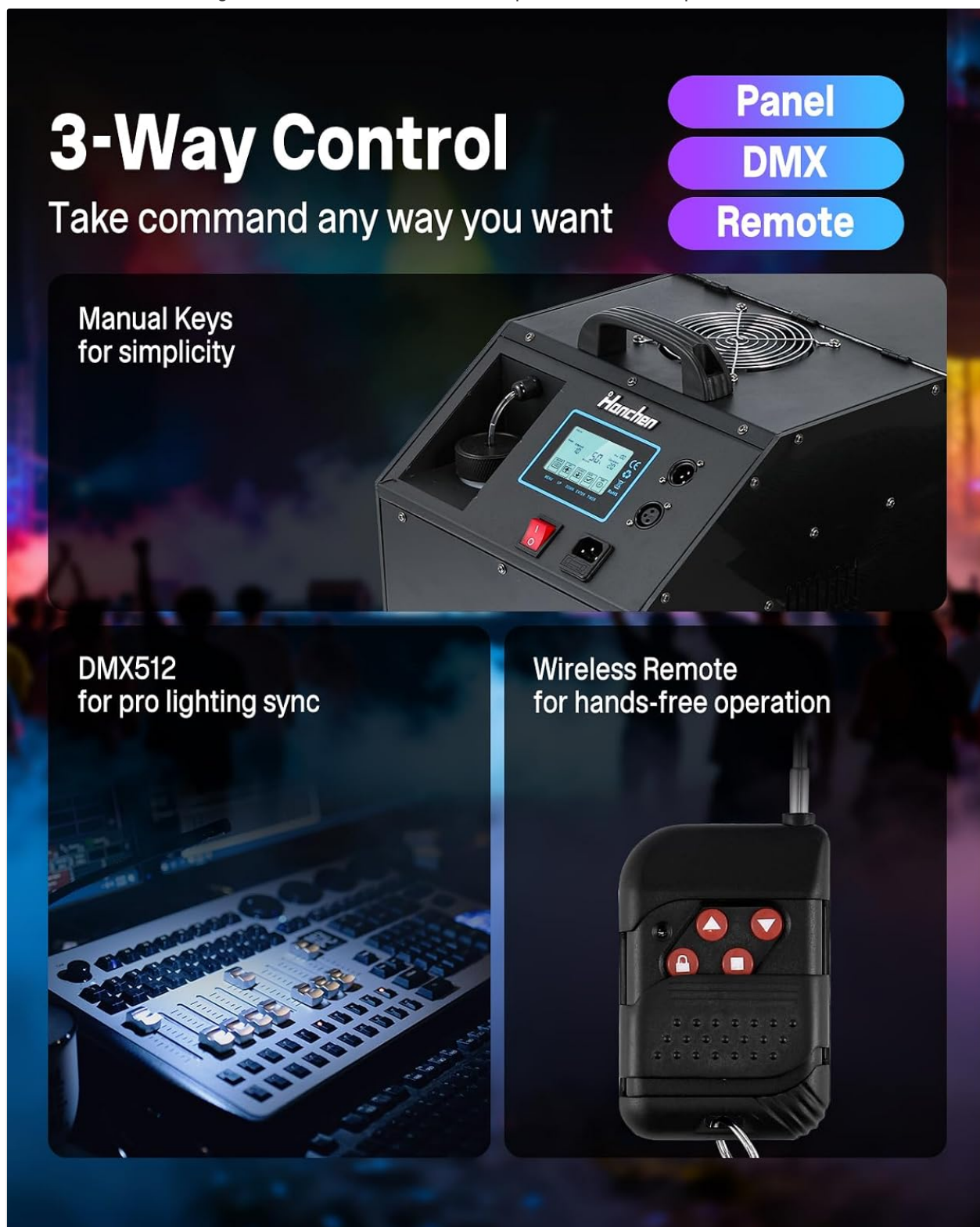


Image 5.1: An illustration of the three primary control methods for the Hanchen fog machine: the integrated LCD panel for direct manual control, DMX512 for professional lighting synchronization, and a wireless remote for convenient hands-free operation.

5.1. Initial Warm-up

After connecting to power, the machine will automatically begin preheating. The preheat time is approximately 1 minute. The LCD screen will indicate when the machine is ready for operation.

5.2. Using the LCD Control Panel

- The LCD panel provides direct access to settings and manual fog activation.
- Use the MENU, UP, DOWN, ENTER, and TIMER buttons to navigate and adjust settings such as fog volume, interval, and duration.
- Press the appropriate button to manually trigger fog output or set timed intervals.

5.3. Using the Wireless Remote

- The wireless remote allows for convenient control from a distance.
- Typically, buttons are assigned for functions such as:
 - Increase fog volume
 - Reduce fog volume
 - Stop fogging
 - Start fogging
- Ensure the remote has fresh batteries and is within operational range of the machine.

5.4. DMX512 Control

- For professional integration, connect the machine to a DMX512 controller.
- Refer to the DMX channel chart (usually provided separately or on the machine itself) to assign DMX addresses and control fog output via your DMX console.
- DMX control allows for synchronized fog effects with lighting and other stage elements.

5.5. Fog Output and Coverage

The dual fog nozzles and 3000W power ensure rapid and dense fog production. The machine can cover approximately 1,615 sq. ft (150m²) in about 60 seconds. The intelligent cruise boost technology automatically regulates oil pressure for consistent, uniform fog flow.

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Video 5.1: This video demonstrates the fog output effect of the Hanchen 3000W Low Lying Fog Machine. It shows the dense, ground-hugging fog being produced, ideal for stage and event applications.

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Video 5.2: This video illustrates the ground fog machine's output combined with light effects, showcasing its potential for creating dynamic visual atmospheres at events.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your fog machine.

- **Fluid Tank Cleaning:** After each use, especially if storing for an extended period, empty any remaining fog fluid from the PP tank. Rinse the tank with distilled water to prevent residue buildup. The PP tank is easy to clean and does not corrode.
- **Exterior Cleaning:** Wipe the exterior of the machine with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Nozzle Inspection:** Periodically check the fog nozzles for any blockages. If necessary, gently clean with a small brush or compressed air (ensure machine is unplugged).
- **Cooling System:** The quiet cooling turbo fan helps maintain optimal operating temperature. Ensure the fan vents are clear of dust and debris.
- **Storage:** Store the machine in a cool, dry place, away from direct sunlight and extreme temperatures.

Ensure the fluid tank is empty and clean before storage.

7. TROUBLESHOOTING

If you encounter issues with your fog machine, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No fog output	No power No fog fluid Machine not preheated Nozzle blockage Pump malfunction	Check power connection and outlet. Fill the fluid tank with appropriate fog fluid. Wait for the machine to complete preheating (approx. 1 min). Clean the fog nozzles. Contact customer support.
Weak or inconsistent fog	Low fluid level Incorrect fluid type Partial nozzle blockage Overheating	Refill fluid tank. Ensure only water-based fog fluid is used. Clean the fog nozzles. Allow machine to cool down; ensure proper ventilation.
Machine not powering on	Power cord disconnected Blown fuse Power switch off	Check power connections. Replace the 10A fuse (refer to specifications). Ensure the power switch is in the 'ON' position.

8. SPECIFICATIONS

Feature	Detail
Power	3000W
Voltage	110V 60Hz
Fuse	10A
Preheat Time	1 Minute
Consumables	Water Based Fog Machine Fluid
Fog Fluid Consumption	0.13 Gallons (0.5 L) / Hour
Fog Fluid Bottle Capacity	0.26 Gallons (1 L)
Continuous Output Duration	2 Hours
Maximum Coverage	1,615 Sq.Ft (150m ²)
Item Weight	55.9 pounds

Feature	Detail
Package Dimensions	29.5 x 20 x 17.5 inches
ASIN	B0FDJV7YP4
Date First Available	June 18, 2025

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact Hanchen customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

For further assistance, please visit the official Hanchen website or contact their support team through the retailer where the product was purchased.