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MOKA SFX MK-F18

MOKA SFX 3000W WaterBase Fog Machine

Model: MK-F18

User Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective operation of your MOKA SFX 3000W WaterBase Fog Machine. This professional-grade low-lying fog machine is designed to produce a dense, ground-hugging fog effect, ideal for various events such as weddings, concerts, and stage performances. Please read this manual thoroughly before initial use to ensure proper setup, operation, and maintenance.



Figure 1.1: MOKA SFX 3000W WaterBase Fog Machine with attached fog output hoses.

2. Safety Information

Adhering to safety guidelines is crucial for preventing injury and damage to the equipment. Always follow these instructions:

- **Electrical Safety:** Ensure the machine is connected to a grounded power outlet with the correct voltage (110V AC). Do not operate with damaged power cords.
- **Fluid Type:** Use only pure water-based low fog liquid specifically designed for this machine. Do not use oil-based fluids or other unauthorized liquids.
- **Overheating Protection:** The machine features built-in overheating protection. If the temperature becomes too high, the controller will automatically pause operation and resume once the temperature drops to a safe level. Do not bypass this safety feature.
- **Water Valve Safety:** The water valve switch and water discharge hole are completely separated from the electrical circuit to prevent electrical hazards due to leaks.
- **Ventilation:** Ensure adequate ventilation around the machine during operation to prevent heat buildup.
- **Placement:** Place the machine on a stable, level surface. Do not block air vents.
- **Children and Pets:** Keep the machine out of reach of children and pets.

- **Maintenance:** Disconnect power before performing any maintenance or cleaning.

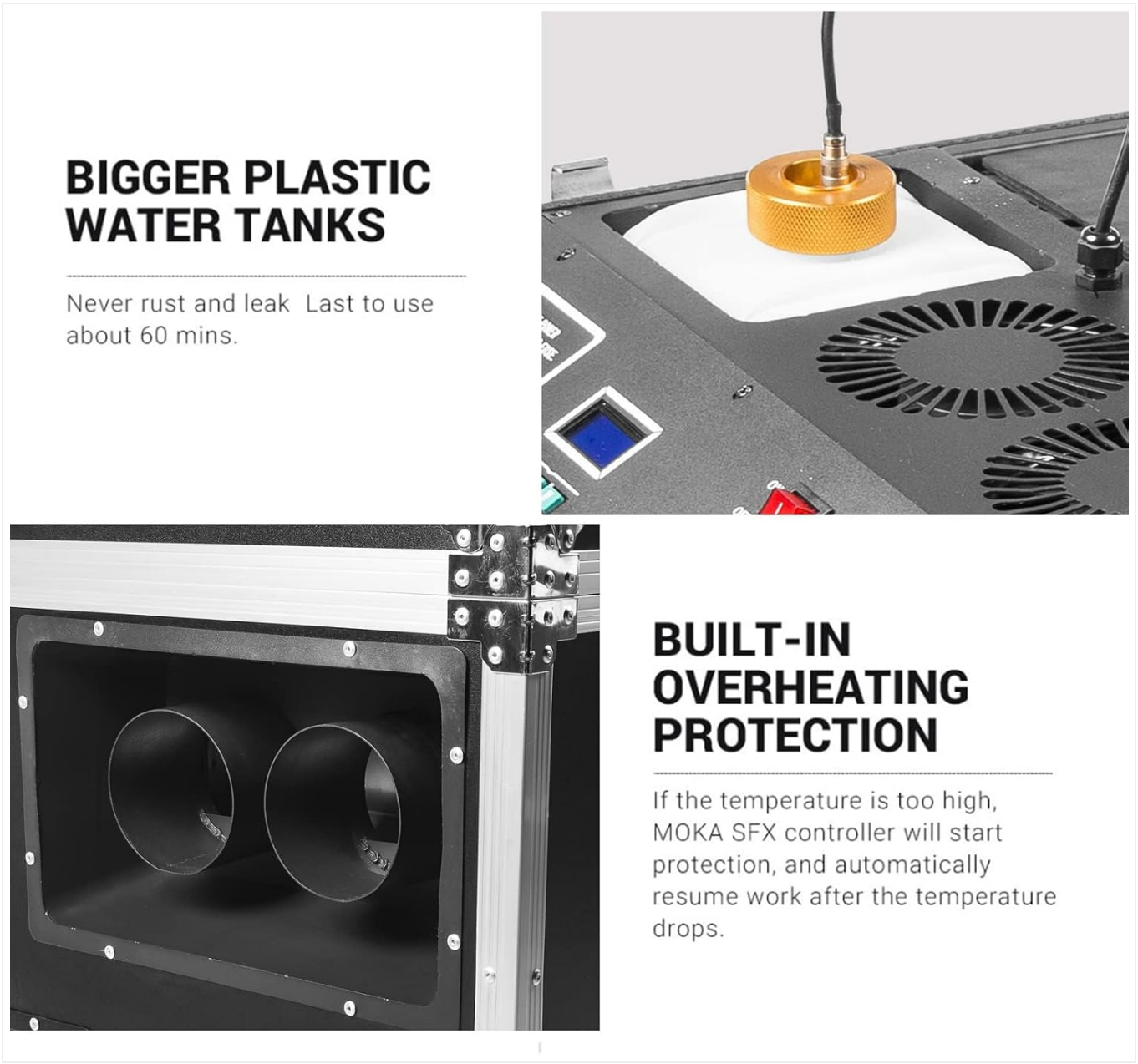

Figure 2.1: Detail of the water tank and built-in overheating protection system.

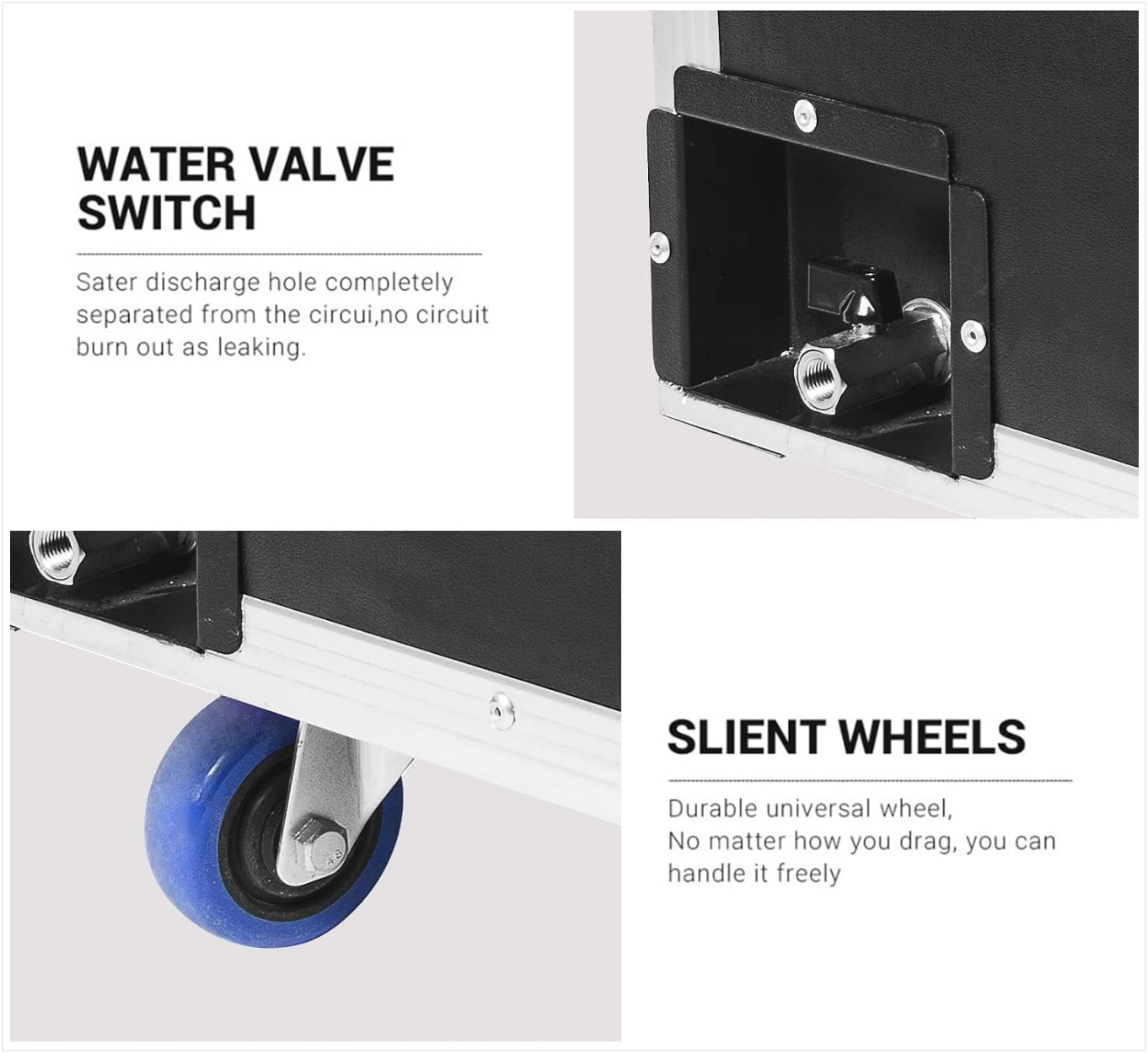

Figure 2.2: Water valve switch and durable universal wheel for easy mobility.

3. Package Contents

Verify that all items are present and in good condition upon unpacking:

- 1 x 3000W Water Low Fog Machine
- 1 x PowerCON Cable
- 1 x DMX Signal Cable
- 1 x Remote Control (Battery not included; customer must purchase separately)
- 1 x User Manual (This document)
- 2 x Hose Pipes
- 2 x Smoke Outlets

4. Product Features

The MOKA SFX 3000W WaterBase Fog Machine is equipped with advanced features for superior performance:

- **Low Lying Fog Effect:** Designed to produce a dense, ground-hugging fog that mimics a dry ice effect.

- **High Smoke Output:** Features 30 stainless steel atomizers for rapid atomization, generating a large volume of delicate water mist. Capable of covering 200m² in approximately 90 seconds.
- **Durable Water Tanks:** Equipped with two large plastic water tanks that are resistant to rust and leaks, providing approximately 60 minutes of continuous use.
- **Multiple Control Modes:** Supports remote control, DMX512, timer control, and quantitative control for versatile operation.
- **Built-in Overheating Protection:** Automatically protects the unit by pausing operation if internal temperatures become too high.
- **Safe Water Management:** Water valve switch and discharge hole are completely isolated from electrical components to prevent circuit damage from leaks.
- **Integrated Flight Case:** Housed in a sturdy flight case with durable universal wheels for easy transport and setup. Includes smoke nozzle diversion tubes.
- **Fluid Level Indicator:** An external indicator allows for easy monitoring of the liquid volume inside the tank.

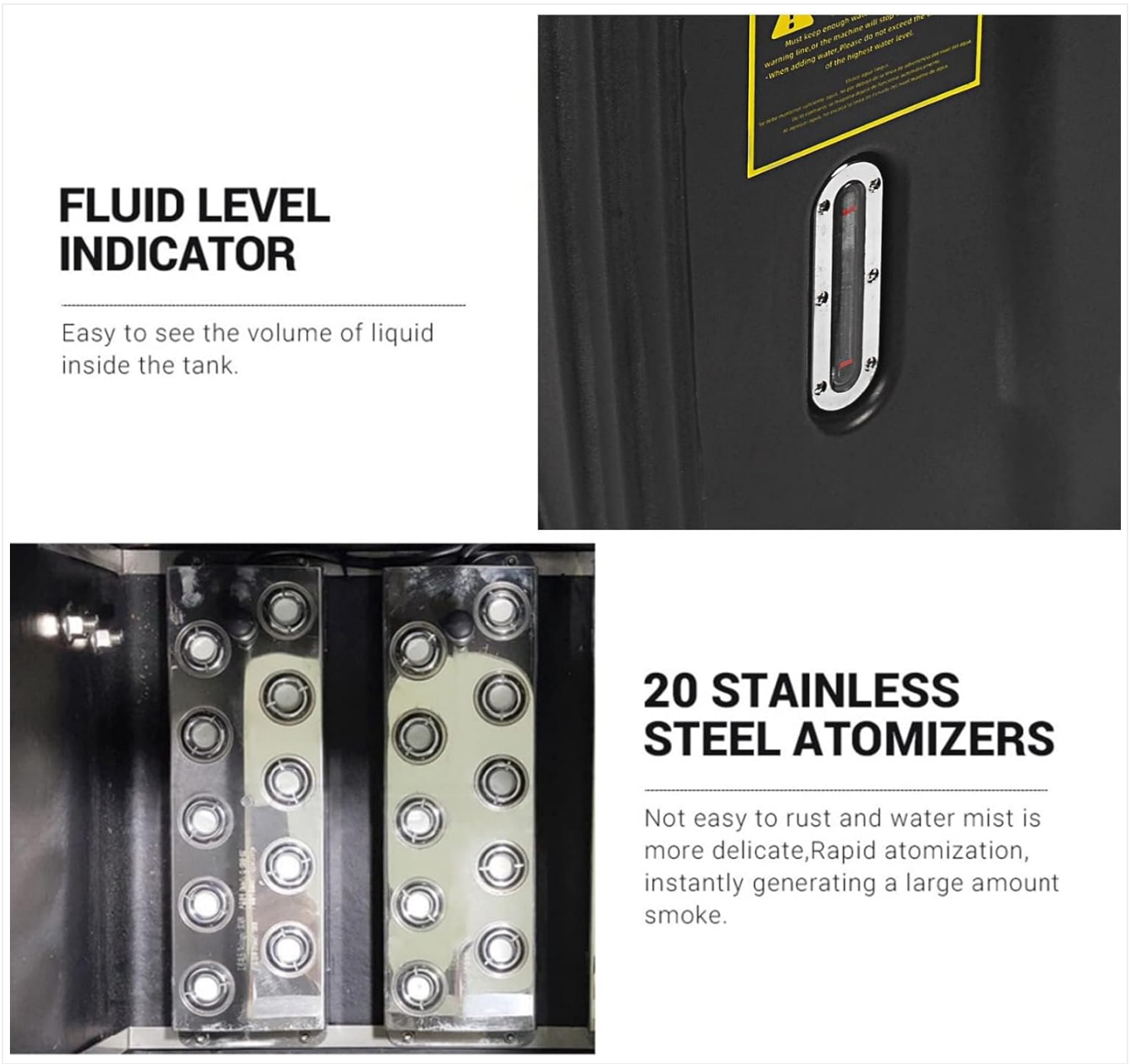

Figure 4.1: Fluid level indicator and stainless steel atomizers for efficient fog production.

5. Setup Instructions

Follow these steps to set up your fog machine:

1. **Unpack:** Carefully remove the fog machine and all accessories from its packaging.
2. **Positioning:** Place the machine on a flat, stable surface in the desired location. Ensure there is adequate space around the unit for ventilation. The integrated wheels facilitate easy movement.
3. **Connect Hoses:** Attach the two provided hose pipes to the smoke outlets on the front of the machine. Securely connect the smoke outlets to the ends of the hoses.
4. **Fill Water Tanks:** Open the water tank covers and fill both tanks with pure water-based low fog liquid. Do not overfill. Monitor the fluid level indicator.
5. **Power Connection:** Connect the PowerCON cable to the machine's power input and then to a grounded 110V AC power outlet.
6. **Control Connection (Optional):** If using DMX512 control, connect the DMX signal cable from your DMX controller to the machine's DMX input.

6. Operating Instructions

Operating your MOKA SFX fog machine:

1. **Power On:** Turn on the main power switch on the machine. The machine will begin to heat up. Allow sufficient time for the machine to reach its operating temperature (indicated by a ready light or display).
2. **Select Control Mode:** Choose your desired control method:
    - **Remote Control:** Use the provided wireless remote to activate fog output.
    - **DMX512 Control:** Control the machine via a DMX controller. Refer to the DMX channel chart (if provided separately or on the unit) for specific functions.
    - **Timer/Quantitative Control:** Utilize the built-in timer or quantitative settings for automated fog output.
3. **Generate Fog:** Activate the fog output using your chosen control method. The machine will produce low-lying fog through the attached hoses.
4. **Continuous Operation:** The machine is designed for non-stop operation, provided that fog fluid is continuously added as it is consumed. Monitor the fluid level indicator regularly.
5. **Power Off:** After use, do not immediately turn off the main power. Wait for 1-2 minutes to allow the internal components to cool down, then turn off the power switch and disconnect from the power source.



Figure 6.1: Fog machine in operation, demonstrating its ability to cover a large area with low-lying fog.



Figure 6.2: Example of the fog machine's effect creating a romantic atmosphere at an event.

7. Maintenance

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

- **Cleaning:** We recommend frequent cleaning of the unit. Use a soft, lint-free, and moistened cloth to wipe down the exterior. Never use alcohol or solvents, as these can damage the finish.
- **Fluid Drainage:** After each use, or if the machine will not be used for a long period, drain any remaining water-based fog fluid from the tanks.
- **Drying:** After draining, use a cloth to thoroughly dry the inside of the tanks.
- **Storage:** Store the machine in a dry, cool place, away from direct sunlight and extreme temperatures.

8. Troubleshooting

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

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
No fog output	No fluid in tanks; Machine not heated; Power issue; Control issue.	Check fluid level and refill; Allow machine to fully heat up; Verify power connection; Check remote/DMX connection.
Weak fog output	Low fluid level; Incorrect fluid type; Clogged atomizers.	Refill fluid; Ensure correct water-based low fog fluid is used; Perform maintenance cleaning.
Machine stops during operation	Overheating protection activated; Fluid depleted.	Allow machine to cool down; Refill fluid tanks.
Unusual noise or smell	Internal malfunction.	Immediately power off and disconnect. Contact MOKA SFX support.

9. Specifications

Detailed technical specifications for the MOKA SFX 3000W WaterBase Fog Machine:

- **Model:** MK-F18
- **Power:** 3000 Watts
- **Voltage:** 110 Volts (AC)
- **Amperage:** 27.27 Amps
- **Color:** White, Black
- **Shape:** Rectangular
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Finish Type:** Painted, White and Black
- **Light Source Type:** Light Emitting Diode (for indicators)
- **Mounting Type:** Floor Mount
- **Control Features:** DMX512, Remote Control, Time & Quantity Control
- **Product Dimensions:** 10"L x 13"W x 16"H
- **Manufacturer:** MOKA SFX
- **UPC:** 761086425797

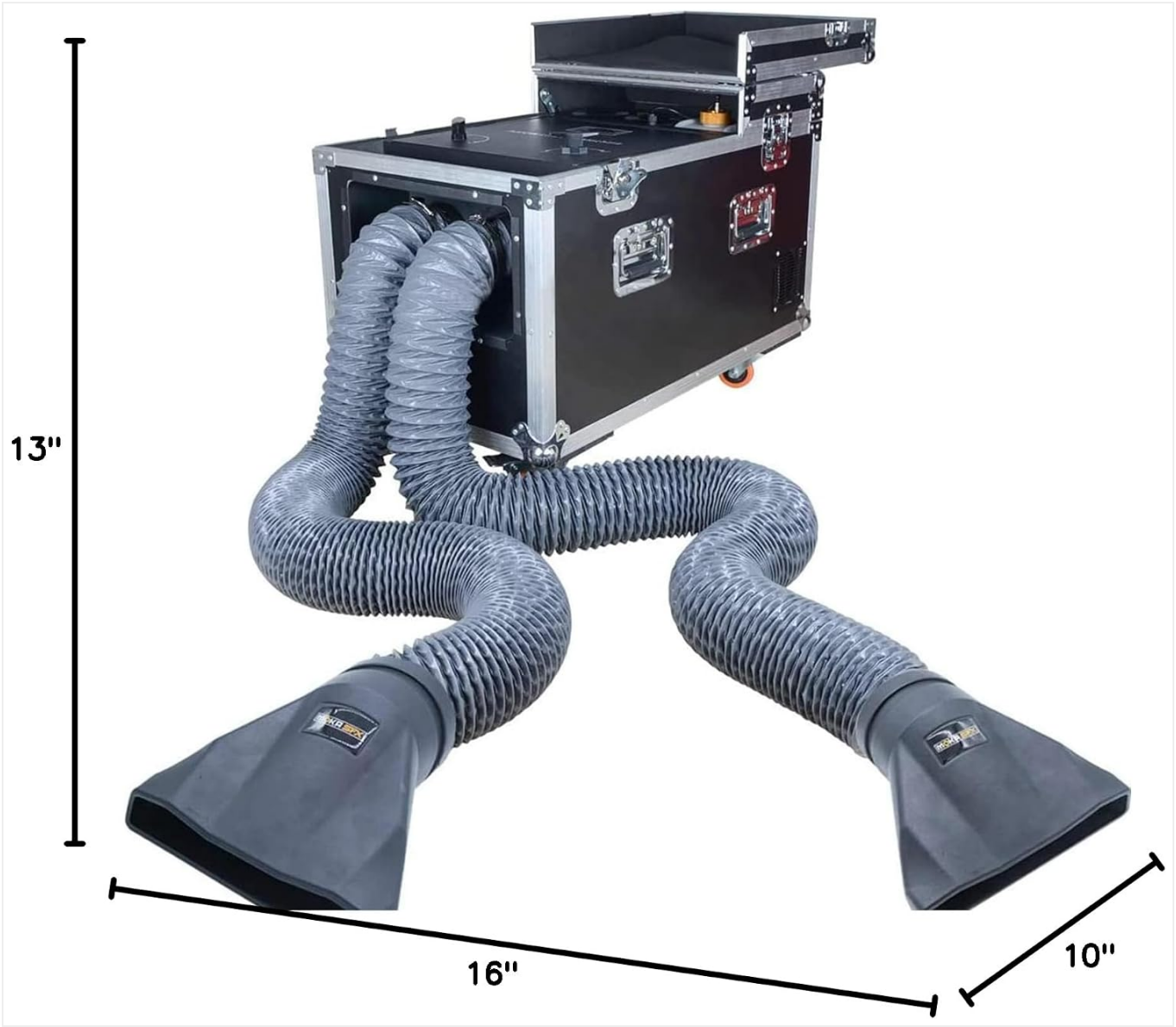

Figure 9.1: Product dimensions of the MOKA SFX 3000W WaterBase Fog Machine.

10. Warranty and Support

For warranty information, technical support, or service inquiries, please contact MOKA SFX directly. Refer to the contact information provided with your purchase or visit the official MOKA SFX website. Please have your model number (MK-F18) and purchase date available when contacting support.

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