



Manuals.plus /

- › DATOUBOSS /
- › DATOUBOSS Infrared Paint Curing Lamp DT-KF6000W User Manual

## DATOUBOSS DT-KF6000W

# DATOUBOSS Infrared Paint Curing Lamp DT-KF6000W User Manual

Model: DT-KF6000W

## 1. INTRODUCTION

Thank you for choosing the DATOUBOSS DT-KF6000W Infrared Paint Curing Lamp. This device is engineered to provide a fast and efficient solution for automotive paint curing, ensuring high-quality finishes and improved productivity. Utilizing advanced shortwave infrared technology, it penetrates coatings rapidly to achieve an even and thorough cure.

This manual provides essential information for the safe and effective operation, setup, and maintenance of your infrared paint curing lamp. Please read it thoroughly before use and retain it for future reference.



Figure 1: DATOUBOSS DT-KF6000W Infrared Paint Curing Lamp in operation (emitting red light) and off.

## 2. SAFETY INFORMATION

Your safety is paramount. This infrared paint curing lamp operates at high temperatures and uses electricity. Adhere to all safety precautions to prevent injury or damage.

- **Electrical Safety:** Ensure the power supply matches the lamp's requirements (110V, 50Hz/60Hz). Do not operate with damaged cords or plugs. Always connect to a grounded outlet.
- **Heat Hazard:** The lamp emits intense heat. Avoid direct contact with the heating elements and cured surfaces immediately after operation. Allow sufficient cooling time.
- **Eye Protection:** Direct exposure to infrared light can be harmful. Wear appropriate eye protection when operating the lamp.
- **Ventilation:** Ensure adequate ventilation in the work area to dissipate heat and any fumes from curing paints.

- **Overheat Protection:** The lamp is equipped with automatic safety overload protection. Do not bypass or tamper with safety features.
- **Flammable Materials:** Keep flammable materials, liquids, and gases away from the lamp during operation.
- **Children and Pets:** Keep children and pets away from the work area and the operating lamp.

If you notice any unusual operation, smoke, or burning smell, immediately disconnect the power supply and contact customer support.

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## 3. PRODUCT OVERVIEW AND COMPONENTS

The DATOUBOSS DT-KF6000W Infrared Paint Curing Lamp consists of robust components designed for durability and efficient performance.

### 3.1 What's in the Box

- Infrared Curing Lamp Unit (DT-KF6000W)
- Mounting Hardware (as applicable for assembly)

### 3.2 Key Components

The lamp features a high-quality aluminum alloy body for enhanced heat dissipation and longevity. The shortwave infrared heating tubes are designed for high luminous efficiency and strong penetration.

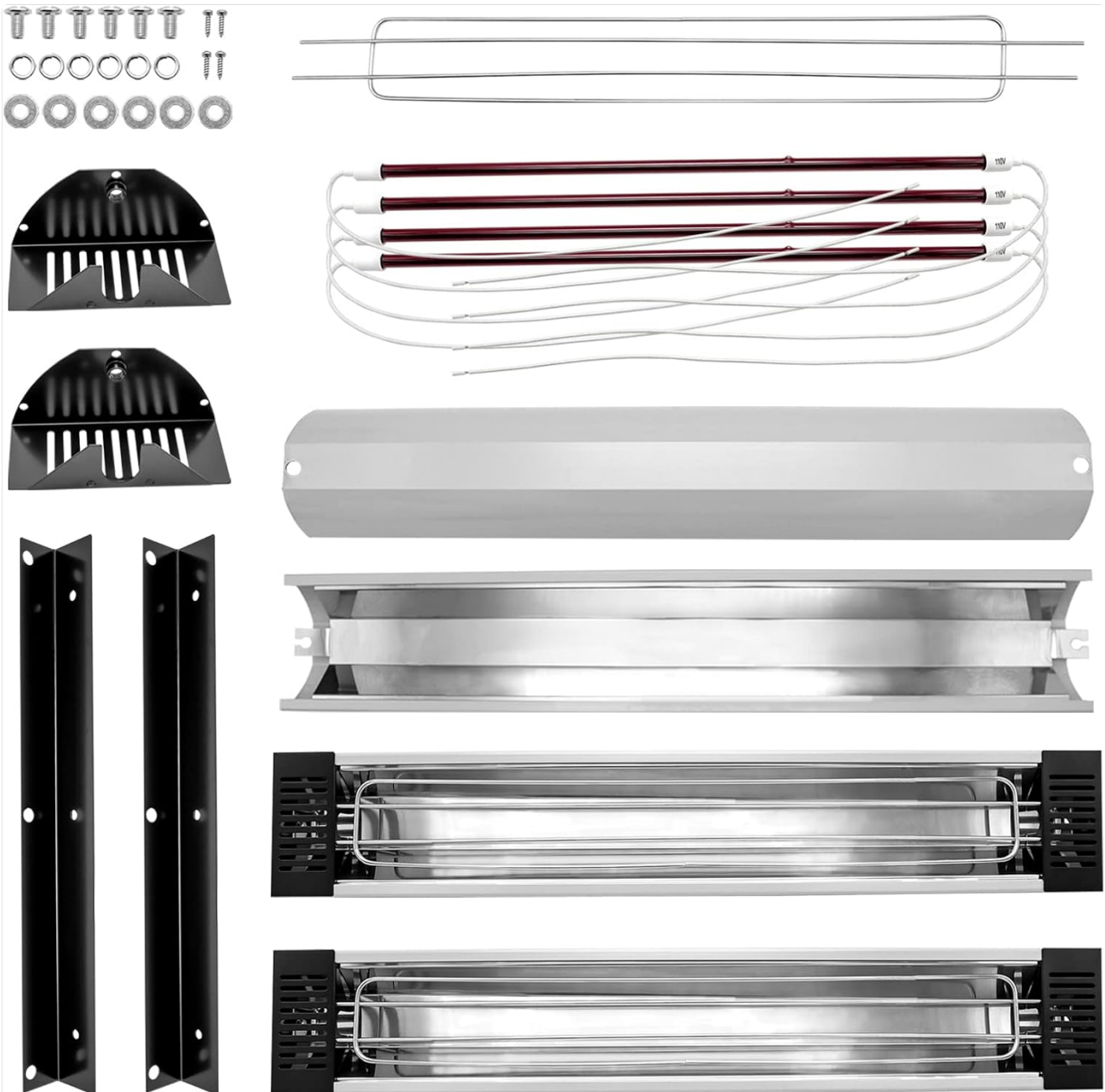


Figure 2: Individual components of the infrared paint curing lamp, including heating elements, reflectors, and various mounting parts.

## 4. SETUP AND INSTALLATION

Proper setup ensures optimal performance and safety. The lamp is designed for easy installation and operation.

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any shipping damage.
2. **Assembly:** Assemble the lamp unit according to the provided diagrams (if applicable). Ensure all connections are secure.
3. **Positioning:** Position the lamp in the desired location. If using a mobile stand (not included, but implied by "ball bearing rollers with a parking brake"), ensure the parking brake is engaged to prevent movement during operation.
4. **Electrical Connection:** Connect the power cord to a suitable 110V grounded electrical outlet. Ensure the circuit can handle the 6000W power draw.



## PAINT BOOTH & SOLID FRAME

Figure 3: Detail of the lamp's robust frame and ventilation, indicating suitability for paint booth environments.

### 5. OPERATING INSTRUCTIONS

Follow these steps for effective and safe operation of your infrared paint curing lamp.

1. **Preparation:** Ensure the area to be cured is clean and free of dust. Position the lamp to cover the desired baking area (approximately 120x100cm).
2. **Power On:** Turn on the main power switch. The infrared heating elements will begin to glow red.
3. **Temperature Setting:** The lamp is designed to operate within a temperature range of 40°C to 100°C. Adjust the distance from the surface and curing time based on paint manufacturer recommendations and desired curing temperature.
4. **Curing Process:** The shortwave infrared technology effectively dries the paint layer from the inside out, promoting strong coating adhesion and a glossy finish. Monitor the curing process to prevent overheating or under-curing.
5. **Power Off:** Once curing is complete, turn off the main power switch.

6. **Cool Down:** Allow the lamp to cool down completely before moving or storing it. The aluminum alloy body aids in heat dissipation.

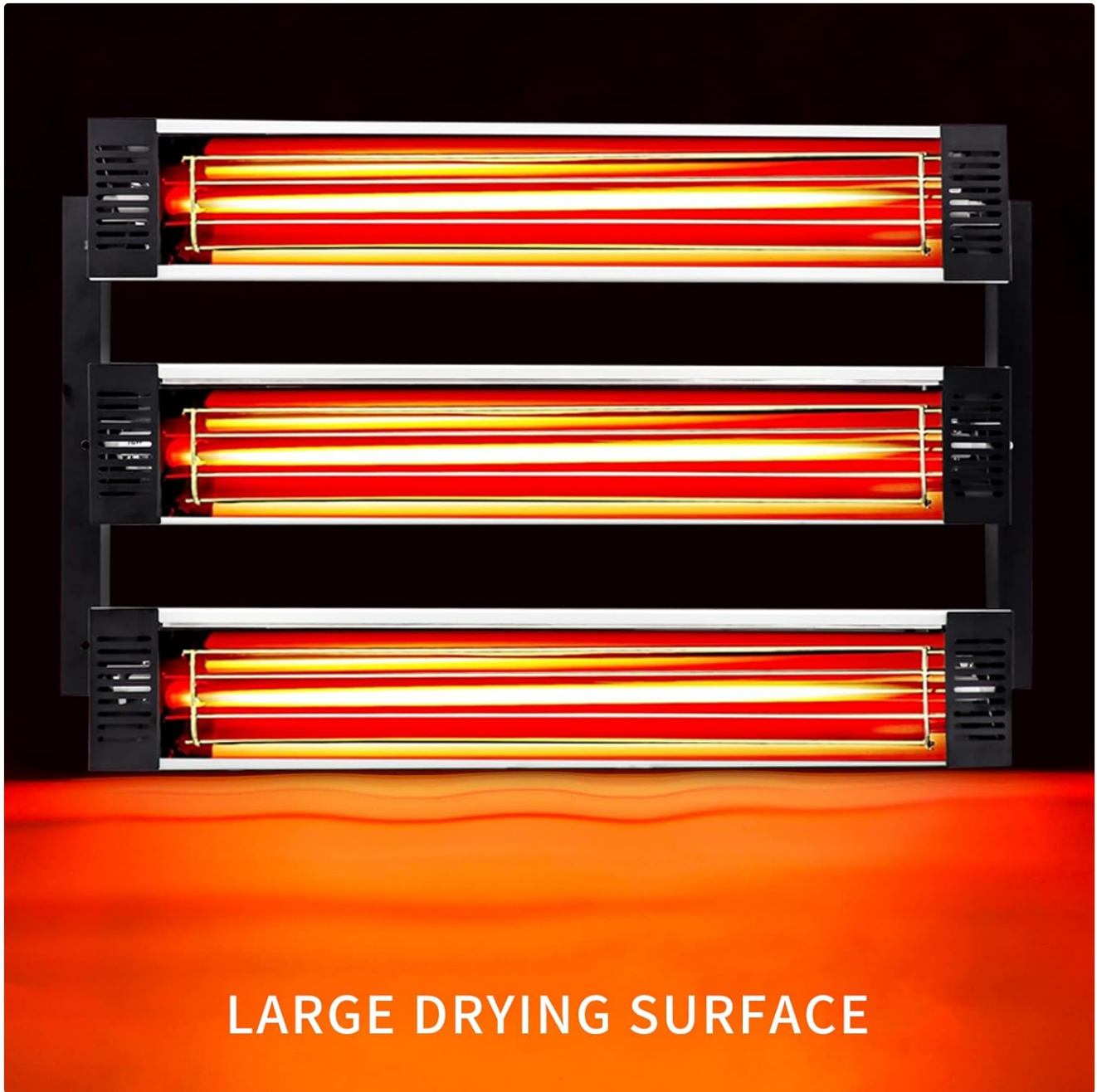


Figure 4: The lamp in operation, demonstrating its large drying surface capability.

# EXCELLENT THERMAL EFFICIENCY

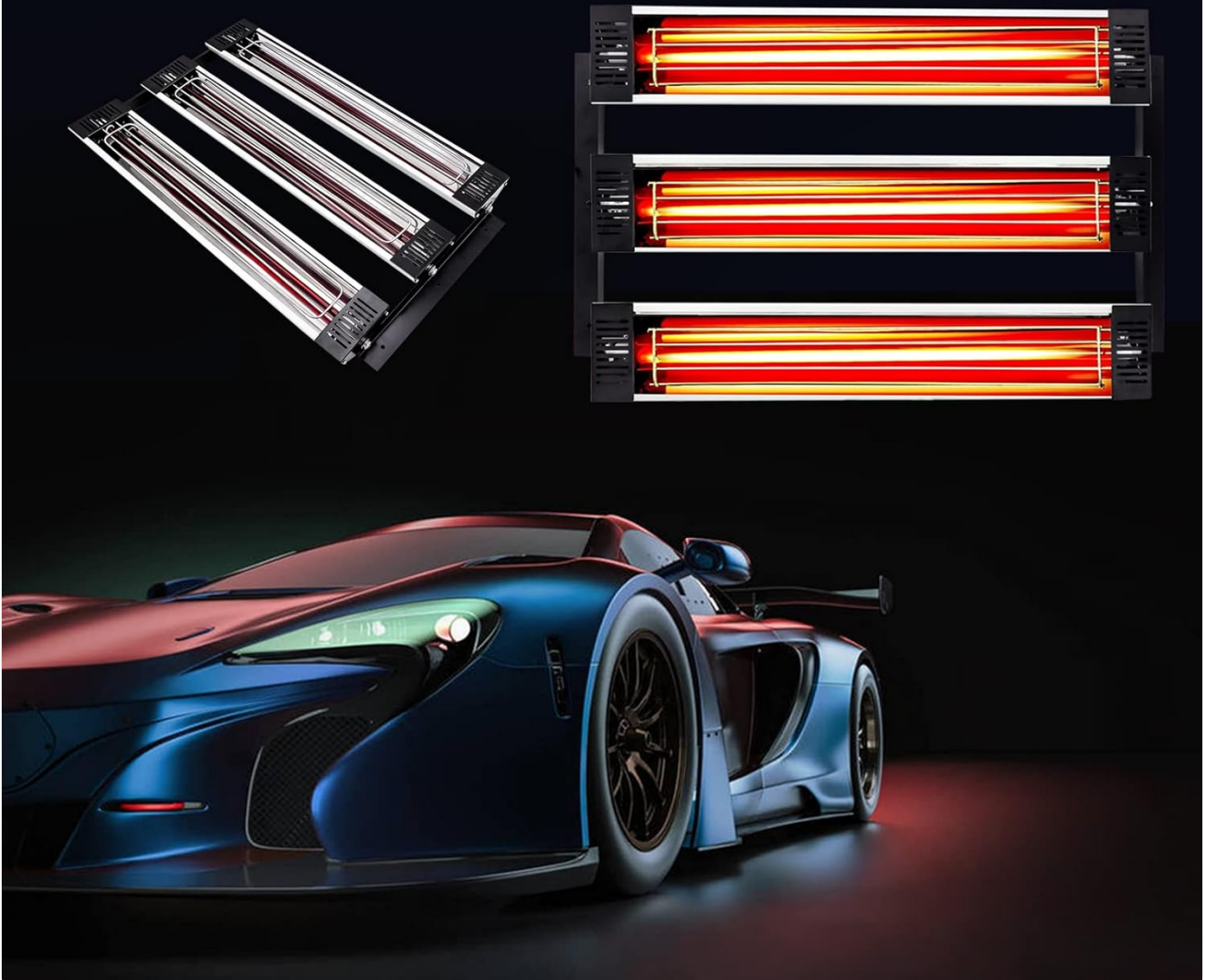


Figure 5: The lamp's thermal efficiency, ideal for automotive paint repair.

## 6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your curing lamp.

- **Cleaning:** Ensure the lamp is unplugged and completely cool before cleaning. Use a soft, dry cloth to wipe down the exterior. Do not use abrasive cleaners or solvents.
- **Heating Elements:** Periodically inspect the infrared heating tubes for any signs of damage or wear. The tubes have an estimated usage life of 6000-8500 hours. Replace damaged tubes promptly.
- **Ventilation:** Keep the ventilation openings clear of dust and debris to maintain efficient heat dissipation.
- **Storage:** Store the lamp in a dry, clean environment when not in use.

## 7. TROUBLESHOOTING

If you encounter issues with your DATOUBOSS Infrared Paint Curing Lamp, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Lamp does not turn on.	No power supply; faulty power cord/plug; tripped circuit breaker; internal fault.	Check power connection and outlet. Inspect power cord for damage. Reset circuit breaker. If problem persists, contact support.
Uneven curing.	Incorrect lamp positioning; inconsistent distance to surface; insufficient curing time.	Adjust lamp position for even coverage. Maintain consistent distance. Increase curing time as needed.
Lamp overheats and shuts off.	Blocked ventilation; ambient temperature too high; internal safety mechanism activated.	Ensure ventilation openings are clear. Operate in a well-ventilated area. Allow lamp to cool before restarting.

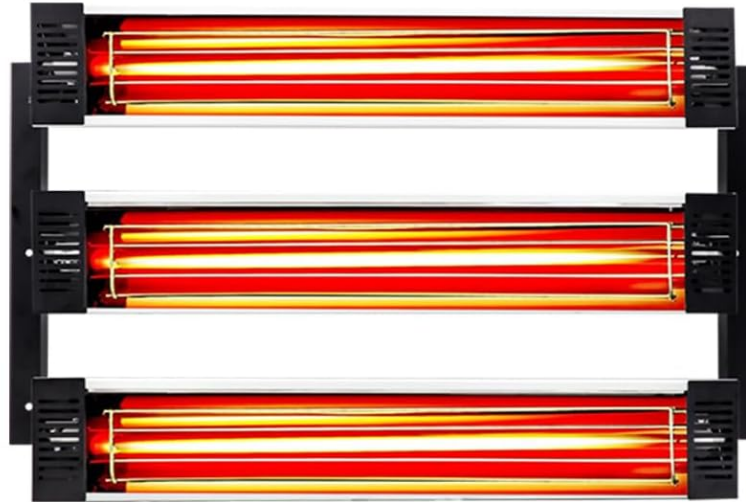
For issues not listed here or if solutions do not resolve the problem, please contact DATOUBOSS customer support.

## 8. SPECIFICATIONS

Technical specifications for the DATOUBOSS DT-KF6000W Infrared Paint Curing Lamp:

<b>Model</b>	DT-KF6000W
<b>Rated Power</b>	6000W
<b>Working Voltage</b>	110V Single Phase
<b>Frequency</b>	50Hz/60Hz
<b>Main Material</b>	Ferro-Aluminium
<b>Tubes Usage Life Time</b>	6000-8500 Hours
<b>Baking Area</b>	120cm x 100cm
<b>Temperature Range</b>	40°C - 100°C
<b>Item Weight</b>	11.23 pounds (approx. 5.09 kg)
<b>Package Dimensions</b>	21.5 x 12 x 7.4 inches (approx. 54.6 x 30.5 x 18.8 cm)

# SPECIFICATIONS



**Rated Power: 6000W**

**Main Material: Ferro-Aluminium**

**Tubes usage life time: 6000-8500 Hours**

**Working Voltage: 110V-110V Single Phase**

**Frequency: 50Hz/60H**

**Baking Area: 120x100cm**

**Temperature: 40°C-100°C**

Figure 6: Visual representation of the product specifications.

## 9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact your retailer or the DATOUBOSS customer service department. Keep your purchase receipt as proof of purchase.

For further assistance, please visit the official DATOUBOSS store: [DATOUBOSS Store on Amazon](#).