



# **ZERO BEDBUG**

NOWHERE TO HIDE

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THE POWER OF HEAT THAT DEFEATS BED BUGS WITHOUT TOXIC CHEMICALS



BED BUGS

Bed bugs are reddish-brown parasites that infest hospitality facilities and transportation vehicles. These flat, oval insects, ranging from 1 to 7 mm in length, feed on human blood, causing bites that can trigger allergic reactions. Increased mobility across Europe has led to a rise in infestations, causing significant damage particularly in the hospitality and transportation sectors.

RISKS OF AN INFESTATION

- Reputational Damage**  
Bed bug infestations can lead to negative reviews and severely damage a facility’s reputation.
- Loss of Revenue**  
During disinfection, rooms must be closed, resulting in direct income loss.
- Legal Risks**  
Guests may take legal action for compensation due to bites, psychological distress, or infested personal items.

**Guest Discomfort**  
Bed bugs may cause skin irritation, itching, and allergic reactions, ruining the guest experience and leading to complaints.

**Operational Issues**  
Managing an infestation consumes time and resources, distracting staff from daily operations and guest care.

**Impact on Staff Health**  
Staff may also be bitten, lowering morale and productivity.

TECHNICAL SPECIFICATIONS

| DIMENSIONS (LxWxH) | CONNECTION | VOLTAGE       | POWER | CURRENT | WEIGHT |
|--------------------|------------|---------------|-------|---------|--------|
| 47 x 36 x 55 cm    | P400       | 3-PHASE 400 V | 13 KW | 19A     | 16 KG  |

ZBB-13

ZBB-13 is an innovative solution for fighting bed bug infestations in hospitality environments such as hotels, ships, and trains. Using the power of heat, this machine effectively eliminates bed bugs, helping to preserve the reputation of the facility and maintain high standards of quality and guest satisfaction ensuring a safe and comfortable environment.

HOW IT WORKS

Developed and marketed since 2010 by our U.S. subsidiary Mosebach, ZBB-13 has been manufactured in Italy since 2024 in compliance with CE regulations. It uses heat to eliminate bed bugs and their eggs by heating the environment to 50/60°C a temperature that kills both eggs and parasites. Free of chemicals, it is safe for environments, animals, and humans. With a power rating of 13 kW, it can treat areas up to 50 m². For larger spaces, we offer tailored solutions to ensure effective heat treatment. Powered by a 400V three-phase plug, it weighs 16 kg and, thanks to its wheels and handles, is easy to move and operate.

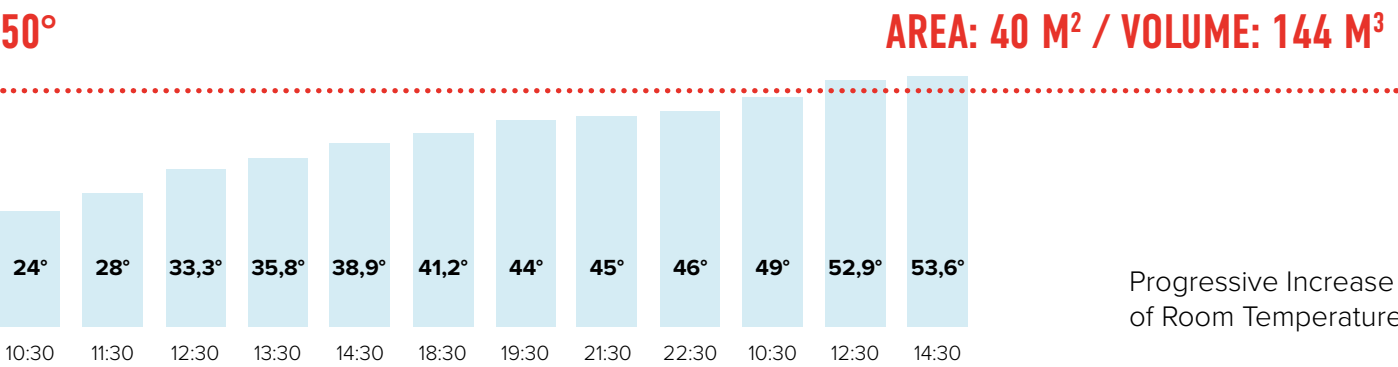
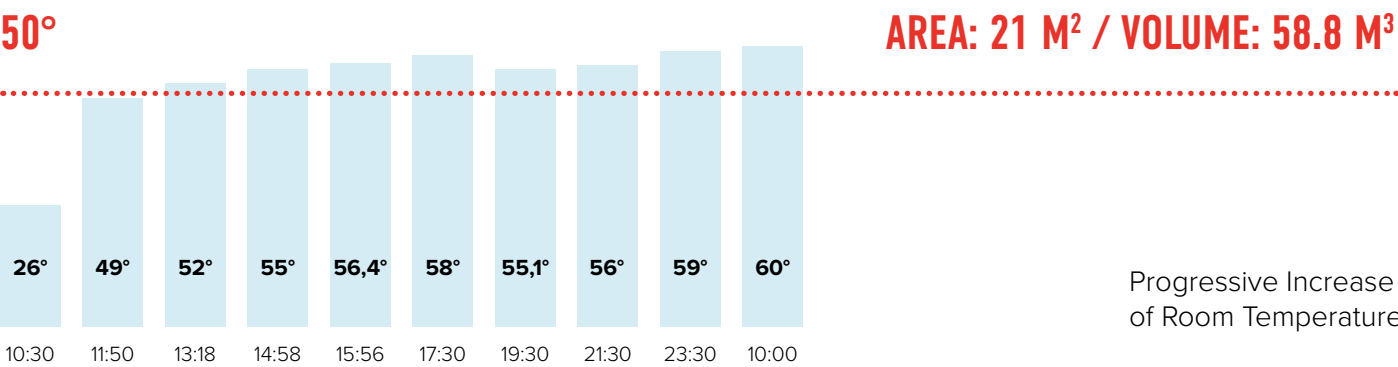
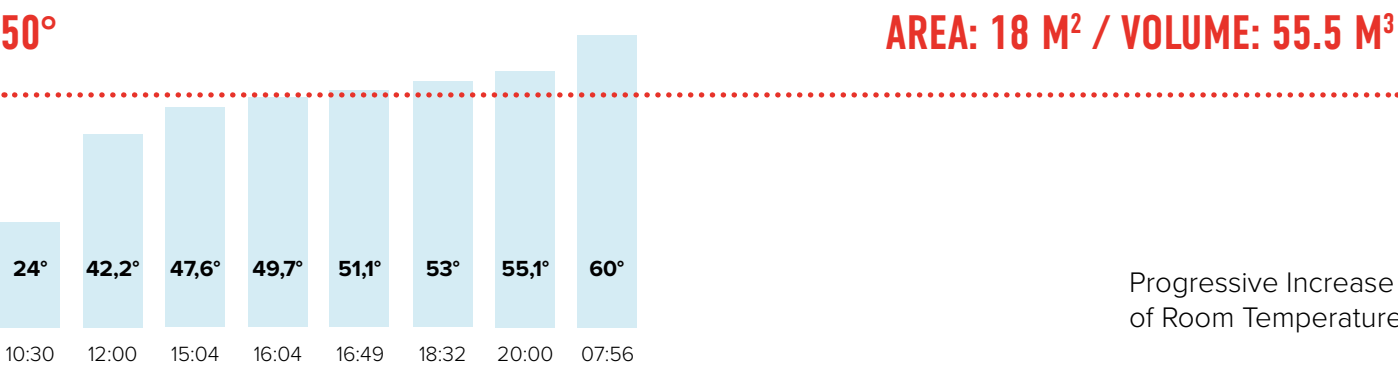
ZBB-13



ZBB-13 – ADVANTAGES

- Effective Treatment**  
ZBB-13 heats the environment between 50/60°C, a lethal temperature for parasites in every phase of their life cycle.
- Ease of Use**  
Lightweight and easy to handle, it can be easily transported and positioned in the rooms to be treated.
- Safety and Reliability**  
ZBB-13 is programmed not to exceed 60°C, ensuring maximum safety and reliability.
- Cost Reduction**  
ZBB-13 minimizes downtime of treated areas and eliminates the risks associated with pesticide use.

REAL-WORLD APPLICATIONS



TEMPERATURE AND TIME REQUIRED FOR INSECT ELIMINATION

| TEMP (°C) | TIME TO ELIMINATE EGGS | TIME TO ELIMINATE INSECTS |
|-----------|------------------------|---------------------------|
| 46°       | 480 minutes            | 90 minutes                |
| 49°       | 90 minutes             | 2 minutes                 |
| 51,5°     | < 1 minute             | < 1 minute                |
| 54,5°     | < 1 minute             | < 1 minute                |



**ZBB-13** is an electrical resistance.  
Telema Group is the world leader  
in the design and production of power  
electrical resistances.



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