

# A NEW DEGREE OF PEST CONTROL™

Bed Bug Heat  
Treatment  
Equipment

THERMAL  
REMEDICATION®  
Kill Zone  
120°-140°F



**THERMAL  
REMEDICATION®**  
FROM TEMP-AIR

# INDEX

Thermal Remediation® from TEMP-AIR .....	1
Application Overview .....	2-3
How It Works.....	4-5
Controlled Application of Heat .....	6-7
115V Heating and Power Equipment.....	8
460V Heating and Power Equipment.....	9
Air Management Equipment .....	10-11
Temperature Monitoring Equipment .....	12
Treatment Accessories.....	13
EBB-115V Single Heater Package.....	14
EBB-115V Dual Heater Package .....	15
EBB-20KW Package .....	16
EBB-40KW Package .....	17
EBB-60KW Package .....	18
EBB-80KW Package .....	19
EBB-40KW Trailer Package.....	20
EBB-40KW LP Trailer Package.....	21
EBB-60KW Trailer Package.....	22
EBB-80KW Box Truck Package.....	23
Equipment Package Comparison .....	24



## TEMP-AIR, INC Corporate Headquarters Burnsville, MN

Home to  
Thermal Remediation®  
manufacturing,  
sales, service,  
engineering,  
and research and  
design teams.

## The Bed Bugs Are Winning

Just go to the latest blogs on bed bugs and you will see the anxiety, frustration, and terror these insects can cause. Bed bugs are found in all 50 states, can lay 1-5 eggs in a day, and can lay up to 500 eggs in a lifetime. While studies have shown that bed bugs are growing increasingly insecticide resistant, regulatory restrictions have diminished many effective chemical options, and many other applications require direct contact for a kill. The outlook is bleak without successful treatment methods.

## A New Degree of Pest Control™

For over 45 years, TEMP-AIR has been the largest provider of temporary heating, cooling, dehumidifying, and air filtration equipment to the North American construction industry. Building on that expertise, Thermal Remediation® from TEMP-AIR was developed using heat as a safe, effective, and environmentally friendly alternative to chemical pest control applications. In 1999, TEMP-AIR received a patent on their heat treatment process for the remediation of stored product pests and has been providing industrial heat treatment services to food processing facilities over the last 10+ years.

To battle insecticide-resistant bed bugs, TEMP-AIR is offering a line of Thermal Remediation® electric bed bug heat treatment equipment, an effective solution designed specifically for the needs of pest control professionals, hotels, universities, and property managers – from stand alone portable electric packages to complete, integrated truck and trailer packages.

## Heat Treatment is:

- **Effective:** Heat kills the entire life cycle of bed bugs, from eggs to adults.
- **Safe:** The EBB-460V heater is UL approved for safety as an insect control device.
- **Environmentally Friendly:** Heat treatment reduces the application of insecticides.



Arm yourself with heat - A highly effective tool in the battle against bed bugs.

# APPLICATION OVERVIEW

## HOT AIR - YOUR NEW INSECTICIDE™

Heat has been used as an effective means to control insects for hundreds of years, documented as early as 1762 to control Indian Meal Moths in France. All insects have sub-optimum, optimum, and lethal temperature thresholds for growth, survival, multiplication, and mortality.

According to research performed at the University of Minnesota, temperatures above 122°F will result in the complete and immediate kill of the entire life cycle of the bed bug, from eggs to adults. The Thermal Remediation® target kill zone is between 120-140°F, ensuring that lethal temperatures are reached, but not overheating the space to minimize the potential for damage.



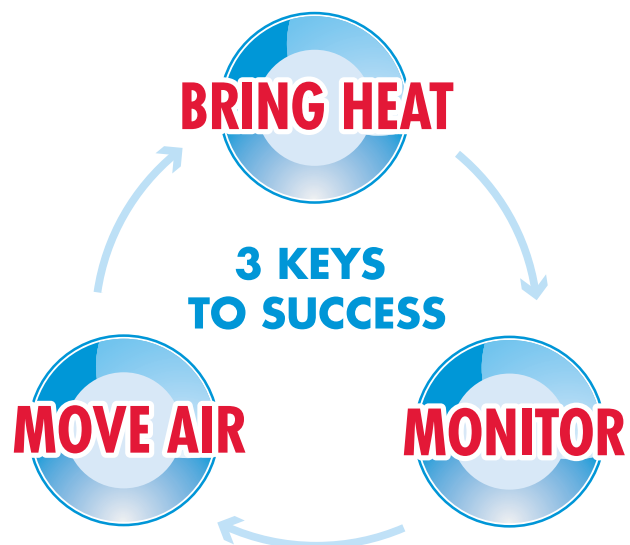
THERMAL REMEDIATION®  
Kill Zone  
120°-140°F

Data from University of MN Research		
Temperature	Lethal Treatment Time	
	Adults	Eggs
113°F	90 minutes	8 hours
118°F	2 minutes	90 minutes
122°F	0 minutes	0 minutes

\*May 2009, Research conducted by Dr. Stephen A. Kells (Department of Entomology, University of Minnesota), funded by the Propane Education & Research Council.

### Thermal Remediation® Process

1. Electric heaters are placed within the space, introducing and recirculating heated air with a target temperature not to exceed 135°F based on air intake.
2. Temperatures are monitored in real time from a remote location using wireless sensors to ensure lethal temperatures are reached without damaging the space and its contents.
3. High temperature fans move heated air throughout the space to reach insects in cracks and crevices and high infestation zones.





## Treatment Time

Time is an important consideration for an effective heat treatment. Treatment time can be dictated by various factors such as clutter, structure type, layout, severity of infestation, and airflow management. Adult bed bugs are generally most susceptible to heat, with eggs being the most tolerant. Temperatures should be held long enough to ensure heat penetration in all probable places where the insects can take refuge.



## Airflow Management

The success of a heat treatment depends on how effectively lethal temperatures have been reached in cracks and crevices, nooks and crannies, and inside clutter, and can be achieved through good airflow management. Airflow can be managed by relocating heaters, correct placement of fans and ductwork, and arranging of contents in the space. (See pg. 10 -11 Air Management Equipment)



## Heat Sensitive Items

Most household contents should be left inside the treatment space including clothing, furniture, and electronics. Some items, however, should be removed or protected including houseplants, fresh food, medicines, cosmetics, wax based items, anything pressurized (spray cans, oxygen bottles, etc.) and flammables (alcohol, solvents, etc.)

## Basic Application Training

All bed bug equipment package purchases include technical phone support and basic system and application training at our Burnsville, MN facility. Optional on-site training is available at an additional cost.



### Training Includes:

- “Know Your Foe” - bed bug behavior overview
- Preparation of the treatment space
- Operation and installation of equipment
  - Electrical power
  - Electric heaters
  - Air movement equipment
  - Temperature monitoring system
  - Treatment accessories
- Basic equipment maintenance
- Adapting to your environment: common concerns on dealing with clutter, space considerations including construction materials, etc.
- Heat stress and safety precautions

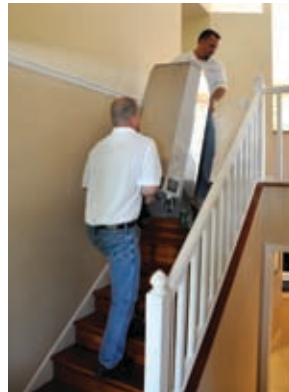


# HOW IT WORKS



1

Arrive at jobsite and unload heating equipment from the trailer



2

Bring electric heaters directly into the treatment area



3

Unload the power cords, connecting them to your distribution box



4

Use your distribution box to run power from the generator to each heater



9

Use poly tape and/or reflective insulation seal off entry points and vents



10

Door sweep seals are also used to prevent cold air infiltration



11

Leave electronics in the space, but be sure they are turned off and unplugged



12

Don't move anything until temperatures reach 130°F, then tent the mattress

Treatment times will vary based on the type of

# HOW IT WORKS



5

Start the generator using the touchpad controls on the outside of the trailer



6

Flammable and meltable items should be removed, others items, like food and medicine, can be stored in the refrigerator during treatment.



7

Set up the wireless temperature monitoring system in an untreated space, like a garage or kitchen.



8

Use high temperature fans to apply heat throughout the treated space



13

Open closets and drawers to allow the hot air to penetrate



14

Use the monitoring system and the handheld thermometer to ensure items are reaching lethal temperatures



15

Pay special attention to the bedside area and carpet edges



16

An AirWall can be used to isolate treatment areas or segment space

structure, its contents, and the level of infestation.

# CONTROLLED APPLICATION OF HEAT

*Our heaters are an integral part of the Thermal Remediation® bed bug heat treatment process of bringing heat, moving air, and monitoring temperatures. In a typical treatment, these heaters are placed within the space and recirculate the heated air for maximum efficiency.*

## Thermal Remediation® Heaters Are:

- **EFFICIENT:** Our electric heaters deliver high volumes of air at a higher velocity with a backward-inclined blower, ultimately reducing heat up time.
- **SAFE:** The EBB-460V is UL approved and listed as an insect control device and is specifically designed for the application of heat to control bed bugs.
- **PORTABLE:** Lighter, smaller and equipped with 360° pivot, lockable swivel casters and a spring-loaded, recessed carry handle, EBB heaters can be moved easily from room-to-room and through narrow doorways.
- **CONTROLLED:** Equipped with a digital temperature control, EBB heaters are locked not to exceed 135°F based on air intake. The controlled application of heat ensures lethal temperatures are reached while minimizing damage to the space and its contents.





## Why Electric Heaters?

For over 45 years, TEMP-AIR has been a leading manufacturer and provider of temporary heat to the U.S. construction industry. Our construction rental fleet includes many types of equipment such as direct and indirect fired gas, infrared, hydronic, and electric heaters. After testing our current fleet of equipment, we found that we needed to develop a new style of heater – one that was designed specifically for the application of heat to kill bed bugs.

There are many advantages to using Thermal Remediation® electric heaters. Compared to propane heat, discharge temperatures are significantly lower, and temperatures can be precisely controlled with a digital thermostat. By design, our heaters pull

in return air through the top and discharge heated air at floor level, preventing heat stratification (hot air gathering at the ceiling) and ensuring more uniform temperatures throughout the space.

Electric heaters can be installed inside the space without ducting through doors or windows. Because our heaters recirculate the heated air, they create a slight negative pressure in the space. Air that is introduced from the outside creates a positive pressure and therefore a different behavioral response from the bed bug. In our experience, a properly introduced heat source, inside the room, causes the bed bugs to be stimulated and drawn from their harborages, ultimately leaving them exposed to die.



## Finding the Power:

Our EBB-115V heater runs on 115 volt, 1 phase power that is typically found within the building you are treating. This can be done in two ways: 1 - You can either find (6) separate 115V 15-amp circuits within the building, and each 15-amp circuit must have its own circuit breaker for a total of 90 amps. 2 – Utilize a 230 volt, 1 phase, 50-amp electric range or dryer outlet and a distribution box that would provide the necessary (6) 115 volt circuits. A lower amperage 230 volt circuit breaker can be used, but you would need to find additional house power to run the other heater circuits.

*Images above: 6 extension cords connect to a 115V heater, and a 230V 50-amp power cord adapter connects from either a range or dryer outlet to the 230V power distribution box.*

## Bringing the Power:

Our EBB-460V heater runs on 460 volt, 3 phase power that is typically supplied by a generator (included in our truck and trailer packages or supplied by a third party). Each heater draws 10 amps of current, and a four-heater package requires a 50-amp breaker installed in line.

*Images above: 1 main power cable connects the generator to the distribution box, and 1 heater patch cable runs from the power distribution box to each heater.*

# 115V HEATING AND POWER EQUIPMENT



**EBB-115V Electric Bed Bug Heater** comes standard in all 115V equipment packages. Each heater requires (6) 15-amp circuits of house power for maximum Btu output. (Not all circuits are needed to operate.)

Heating Capacity (Watts)	7,000
Heating Capacity (Btu/h)	25,590
Maximum Airflow (CFM)	2,400
Power Supply (V/ph/Hz/A)	6 circuits each at 115/1/60/15
Temperature Control	Digital Controller
NEMA Plug Type	15-15P (six)
Minimum Circuit Amps	15 per circuit
Max. Overcurrent Protection (Amps)	20
Operating Temperature Limits	0-135°F
Length x Width x Height (inches)	22.5 x 18 x 49.5
Weight (lbs)	130

**1. 120V 12/3 High Visibility Extension Cords** – used as the main power cable to supply 120-volt power to the EBB-115V heater. Available in 25' and 50' lengths. (Distance of 12/3 cord should not exceed 75' per run.)

1



**2. 230V Power Distribution Box** – can be used to tap into 230V power from an electric range or dryer to provide the (6) 15-amp circuits of 115V power required for the EBB-115V heater.

2



**3. 230V/50A Power Cord Adapter: Electric Dryer Plugs** – allow you to tap into 230V house power from an electric dryer to power your EBB-115V heater. Includes both old and new style.

3



**4. 230V/50A Power Cord Adapter: Electric Range Plugs** – allow you to tap into 230V house power from an electric range to power your EBB-115V heater. Includes both old and new style.

4



# 460V HEATING AND POWER EQUIPMENT

**EBB-460V Electric Bed Bug Heater** comes standard in all 20-80kW equipment packages. Each heater requires 460V/3ph/60Hz/20A of generator or equivalent house power. UL approved as an insect control device.

Heating Capacity (Watts)	7,000
Heating Capacity (Btu/h)	24,880
Maximum Airflow (CFM)	2,400
Power Supply (V/ph/Hz/A)	460/3/60/20
Temperature Control	Digital Controller
NEMA Plug Type	L16-20P
Minimum Circuit Amps	15
Max. Overcurrent Protection (Amps)	20
Operating Temperature Limits (Intake)	0-135°F
Length x Width x Height (inches)	22.5 x 18 x 49.5
Weight (lbs)	130



1



2



1. **460V Power Distribution Box** – is brought inside the space to distribute power to the heaters. A single main power cable runs from the generator to the distribution box, splitting the power for up to (4) EBB-460V heaters.

3



2. **460V Main Power Cables** – connect the generator to the distribution box, up to a distance of 800 ft. These 460V/50A 6/4 cables come in 50' and 75' lengths.

4



3. **460V Heater Patch Cable** – connects the power from the distribution box to each EBB-460V heater, up to a distance of 300 ft. per heater. Available in 25', 50', and 75' lengths.

5



4. **460V Generator Whip** – 6/4 4 ft. whip makes the connection to a rental generator or your own 460V/3Ph power source.

6



5. **460V/50A All Weather Main Power Plugs** – male and female ends for main power plug replacement.

6. **460V/20A Heater Patch Cable Plugs** – male and female ends for heater patch cable plug replacement.

## AIR MANAGEMENT EQUIPMENT



**High Temperature Multifan** – these custom designed, high temperature fans provide high CFM with low amp draw and operate well in high temperatures. These fans are necessary to evenly distribute heated air throughout the space and target high infestation zones and contents like furniture and bedding. Available in 16” (2.6 amps, 3,294 CFM) and 20” (3.7 amps, 4,765 CFM) sizes.

**16” Multifan Adapter** – attachment is used to direct heat at target areas. This adapter accepts the 20” high temperature ducting. Includes (2) 24” tarp straps for attaching to fan housing.



**High Temperature Duct 20” Transition** – attaches to the 16” Multifan Adapter to accept all 20” high temperature ducting.



## AIR MANAGEMENT EQUIPMENT

**AirWalls** can be used to isolate an area that will not be heated or partition off areas that will be heated in a progression. The 6' x 10' AirWall works great in stairwells and hallways, while the 12' x 10' AirWall can isolate untreated areas like a kitchen, living room, family room, etc.



The AirWall requires a 16" Multifan, adapter, and 20" transition. Made of fire-resistant materials. Both 6' x 10' and 12' x 10' AirWalls can be used individually or zipped together to build false walls or isolate larger spaces.



**Wall Edge Duct** is designed to direct heat on high bed bug infestation zones through the holes in the duct aimed at wall edges, baseboards, and carpet tacks, etc.

The Wall Edge Duct requires a 16" Multifan, adapter, and 20" transition. Made of fire-resistant materials.

# TEMPERATURE MONITORING EQUIPMENT



**Expandable, Wireless Temperature Monitoring System** – includes a Netbook installed with proprietary temperature recording software, wireless signal devices for transmission up to 1,000 ft. and up to 100 wireless temperature sensors, all housed in a heavy duty, water and impact resistant case

The system's data can be used to identify hot and cold spots in the treated area and regulate and control hot air distribution. Data can be exported to ensure customers that overheating did not occur and verify that target temperatures were achieved.

## TEMPERATURE MONITORING SYSTEM INCLUDES

Netbook Installed with Proprietary Software	Wireless Sensors (Up to 100*)
Heavy Duty Water & Impact Resistant Case	Wireless Receiver Antenna
Extendable Receiver Antenna	USB Hub for Data Collection
Wireless Repeater (boosts signal to 900 MHz)	

## SENSOR SPECIFICATIONS

Transmission Rate	10-17 seconds random
Operating Temperature	-40 to 85° C
Accuracy	+1° to .5° C
Battery Life With Transmissions	Up to 1 year
Battery	3.6 volt Lithium
FCC Certified	FCC ID: M5ZP6EZ10

**Fluke Digital Handheld Infrared Thermometer** – offers quick and reliable surface temperature readings in a comfortable and easy to use handheld device. An extra bright laser aimed at a specific object accurately and instantly measures temperatures. This unit can be used to check specific points of interest during the heat treatment.



Image to the left shows a sample reading of each sensor in the treatment space.

●	Under 125°F
●	Target Temp 1 125° - 130°F
●	Target Temp 2 130° - 140°F

1   Sensor1 Online 101.9	2   Sensor2 Online 128.2	3   Sensor3 Online 115.1	4   Sensor4 Online 128.9	5   Sensor5 Online 133.9
6   Sensor6 Online 125.8	7   Sensor7 Online 105.0	8   Status Under	9   Logpage	10   Cabinet Online 122.3
11   Tank top Online 122.3	12   SINKLER Online 117.3	13   Sensor12 Online 112.7	14   Sensor14 Online 99.3	15   Sensor15 Online 109.8
16   Sensor16 Online 109.4	17   Sensor17 Online 105.8	18   Sensor18 Online 117.8	19   Sensor19 Online 120.0	20   Sensor20 Online 139.2
21   ITH-1 Online 128.1	22   ITH-2 Online 115.8	23   ITH-3 Online 100.8	24   ITH-4 Online 134.3	

1. **Omega IPM Vacuum** – Physical removal of live bed bugs with a Pest Vac is highly encouraged during the initial heat up process between temperatures of 100-120°F when bed bugs emerge from their hiding places. Comes standard with a HEPA cartridge filter, 3-foot hose, 19-in rubber, flexible gooseneck, a crack and crevice tool, a 25-ft power cord, and shoulder strap. All accessories fit neatly in the compartment under the lid. 11 lbs. 115V power.

2. **Stealthlite Rechargeable Flashlight** – High quality flashlight for inspection during the treatment process. The Stealthlite is a rugged, indestructible, water-resistant flashlight with a light beam that can cut through water, smoke, fog, and rain.

3. **Sprinkler Head Covers** – protect fire suppression systems (sprinklers) and heat sensors from hot air. Constructed of highly insulated foam, the sprinkler head covers easily attach to a ceiling or wall mounted sprinkler head with a pull cord.

4. **Door Sweep Seals** – are used to block air infiltration from under door jams. (Cut to size, and replace foam pipe insulation as necessary.)

5. **Reflective Insulation** – is used to cover vents and window air conditioners to prevent cool air infiltration during a heat treatment. Insulation can also be used to isolate spaces and cover hard-to-heat cement, etc. Available in 48" x 25' rolls.

6. **Poly Tape** – can be used to seal windows, vents, and gaps to protect the space from air infiltration. This high quality tape will not leave a glue residue after being heated.

7. **Cable Clamps** – used to properly gather and store extension cords and fan cords.

1



2



3



4



5



6



7



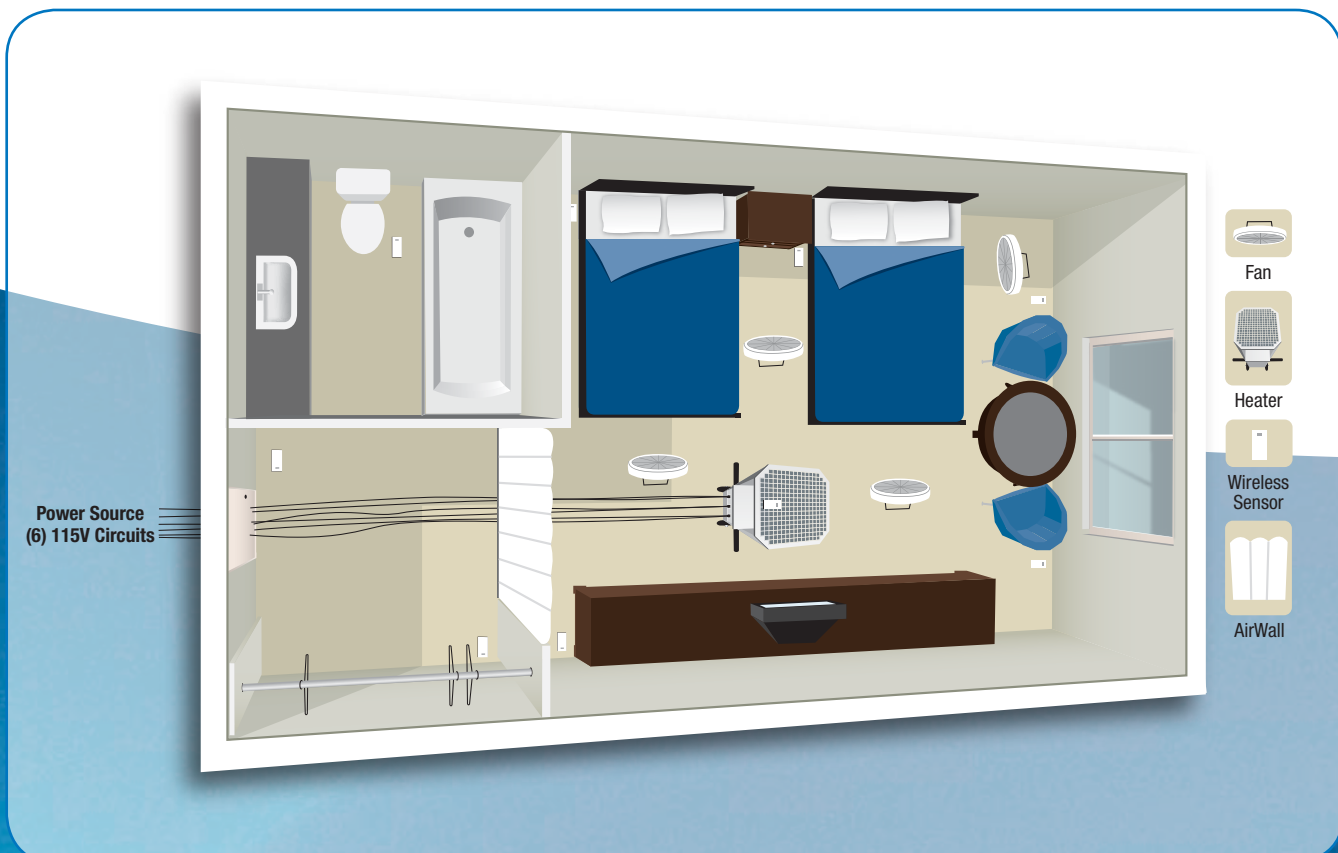
# EBB-115V SINGLE HEATER PACKAGE



The EBB-115V Single Heater Equipment Package is best suited for the heat treatment of bed bugs in hotels, motels, spot treatments, and single room applications. **You supply the power – each heater requires (6) 115V/60Hz/1ph/15A circuits.**

## PACKAGE INCLUDES:

- (1) EBB-115V Electric Heater
- (8) 50' 12/3 High Visibility Extension Cords
- (1) Wireless Temperature Monitoring System with 12 Sensors
- (1) Fluke Infrared Handheld Thermometer
- (5) 16" Multifans
- (2) 16" Multifan Adapters
- (1) 6'x10' AirWall with 20" Duct Transition
- (8) Sprinkler Head Covers
- (4) Door Sweep Seals
- (1) Omega IPM Vacuum
- (4) Rolls Poly Tape
- (20) Cable Clamps
- (1) 48" x 25' Reflective Insulation
- (1) Stealthlite Rechargeable Flashlight



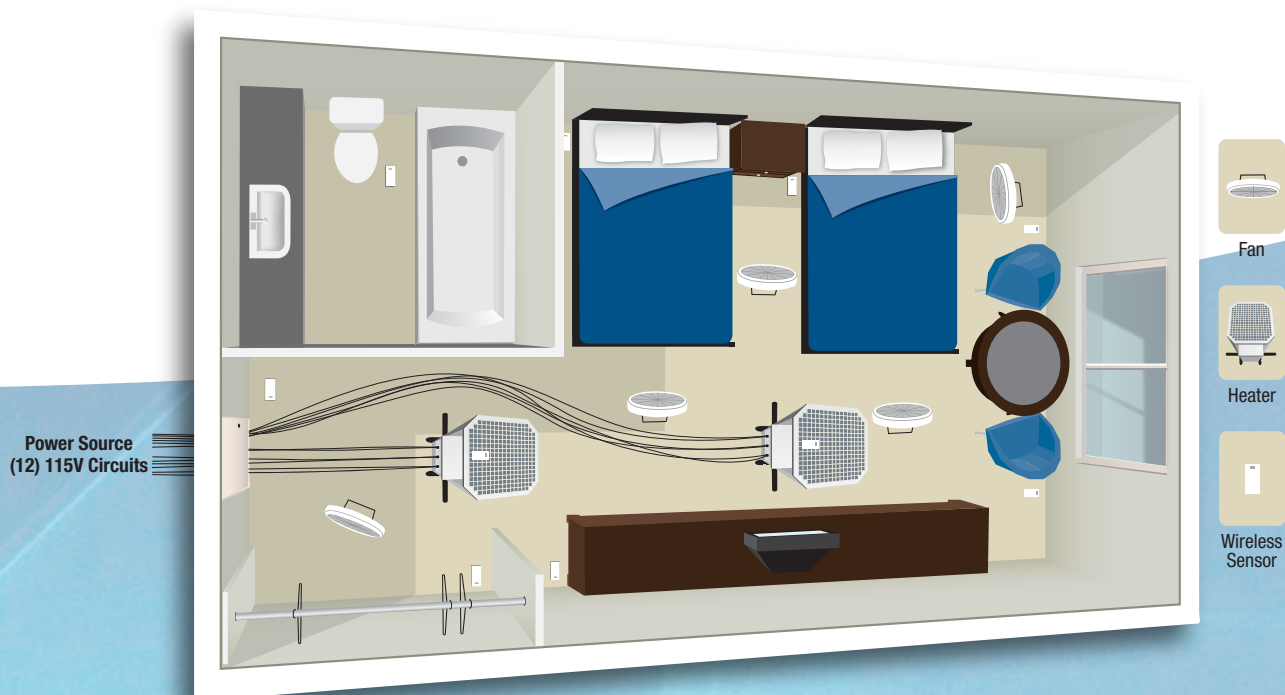


## EBB-115V DUAL HEATER PACKAGE

The EBB-115V Dual Heater Equipment Package is best suited for the heat treatment of bed bugs in hotels, motels, spot treatments, and single room applications. **You supply the power – each heater requires (6) 115V/60Hz/1ph/15A circuits.**

### PACKAGE INCLUDES:

- (2) EBB-115V Electric Heaters
- (8 each) 25' & 50' 12/3 High Visibility Extension Cords
- (1) Wireless Temperature Monitoring System with 12 Sensors
- (1) Fluke Infrared Handheld Thermometer
- (5) 16" Multifans
- (2) 16" Multifan Adapters
- (1) 6'x10' AirWall with 20" Duct Transition
- (8) Sprinkler Head Covers
- (4) Door Sweep Seals
- (1) Omega IPM Vacuum
- (4) Rolls Poly Tape
- (20) Cable Clamps
- (1) 48" x 25' Reflective Insulation
- (1) Stealthlite Rechargeable Flashlight



## EBB-20KW PACKAGE

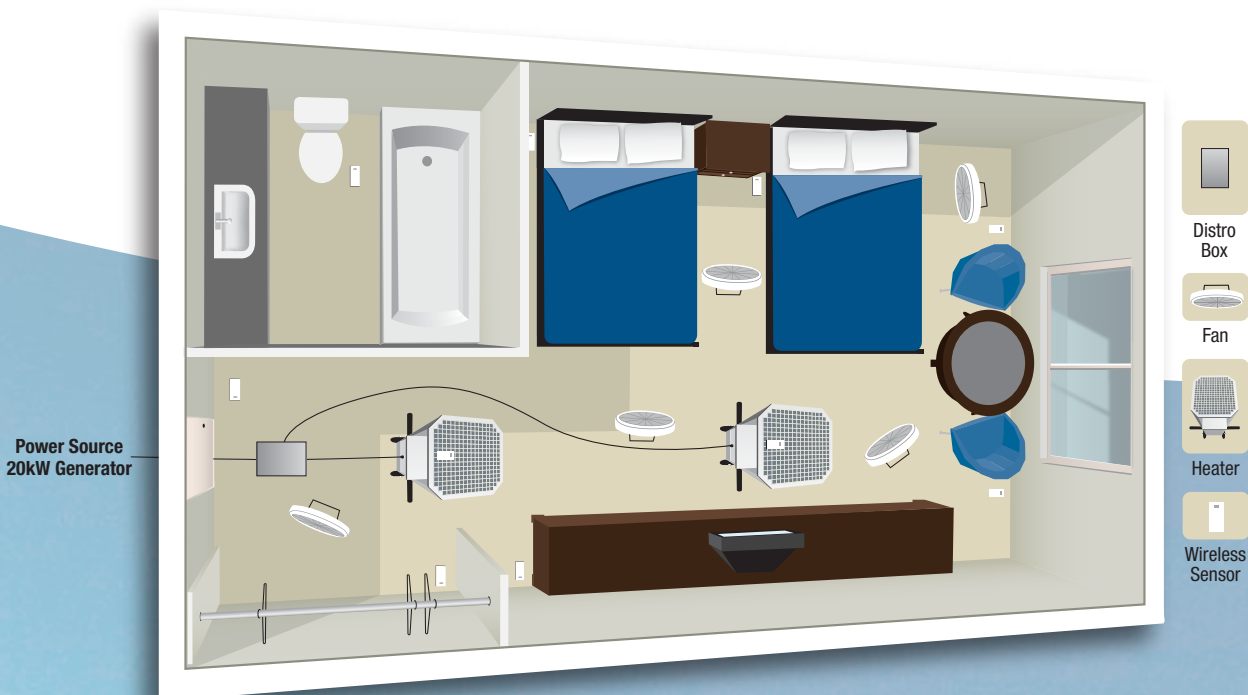
The EBB-20KW Equipment Package is ideal for the heat treatment of bed bugs in apartments, dorms, and hotels. This 2-heater system can typically treat up to 700 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings.

**You supply the power – 20kW 460V/60Hz/3ph.**



### PACKAGE INCLUDES:

- (2) EBB-460V Electric Heaters
- (4) 25' 12/3 High Visibility Extension Cords
- (2) 75' Main Power Cables
- (1) 460V Distribution Box
- (2) 50' Heater Patch Cables
- (1) Wireless Temperature Monitoring System with 12 Sensors
- (1) Fluke Infrared Handheld Thermometer
- (5) 16" Multifans
- (2) 16" Multifan Adapters
- (10) Sprinkler Head Covers
- (4) Door Sweep Seals
- (1) 48" x 25' Reflective Insulation
- (4) Rolls Poly Tape
- (14) Cable Clamps

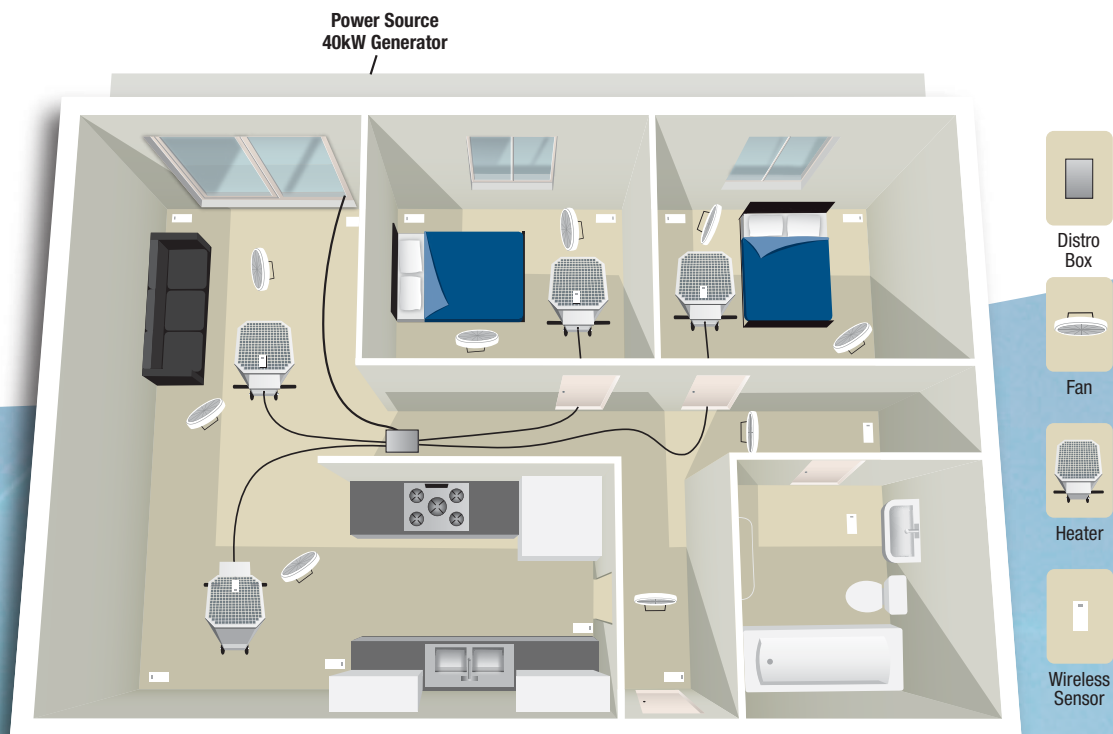


## EBB-40KW PACKAGE

The EBB-40KW Equipment Package is ideal for the heat treatment of bed bugs in apartments, dorms, hotels, and single family homes. This 4-heater system can typically treat up to 1400 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **You supply the power – 40kW 460V/60Hz/3ph.**

### PACKAGE INCLUDES:

- (4) EBB-460V Electric Heaters
- (4) 25' 12/3 High Visibility Extension Cords
- (2) 75' Main Power Cables
- (1) 460V Distribution Box
- (2 each) 25' & 50' Heater Patch Cables
- (1) Wireless Temperature Monitoring System with 24 Sensors
- (1) Fluke Infrared Handheld Thermometer
- (10) 16" Multifans
- (2) 16" Multifan Adapters
- (10) Sprinkler Head Covers
- (4) Door Sweep Seals
- (1) 48" x 25' Reflective Insulation
- (4) Rolls Poly Tape
- (14) Cable Clamps



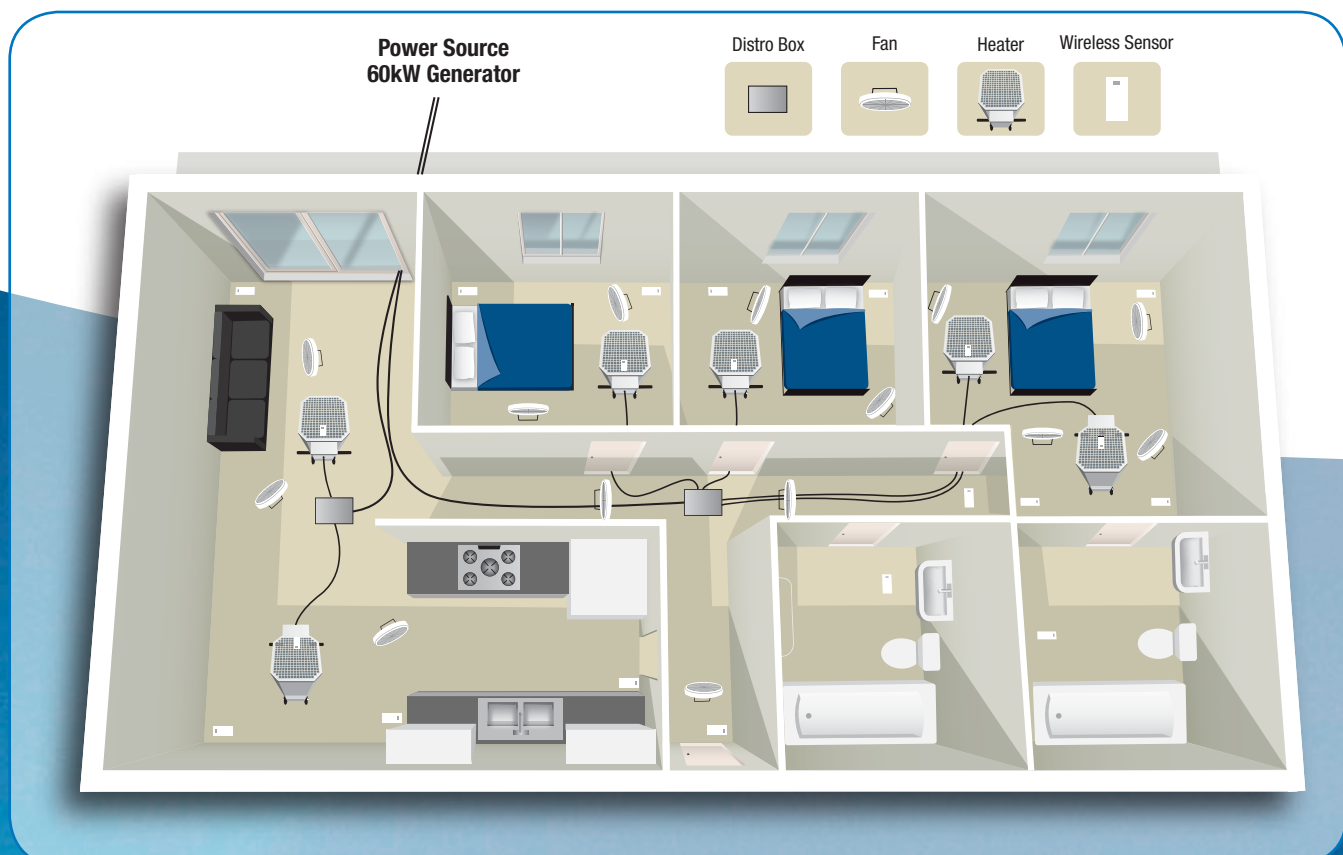
# EBB-60KW PACKAGE

The EBB-60KW Equipment Package is ideal for the heat treatment of bed bugs in single family homes and multiple apartments, hotel rooms, and dorm rooms at one time. This 6-heater system can typically treat up to 2100 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **You supply the power – 60kW 460V/60Hz/3ph.**



## PACKAGE INCLUDES:

- (6) EBB-460V Electric Heaters
- (4) 25' 12/3 High Visibility Extension Cords
- (4) 75' Main Power Cables
- (2) 460V Distribution Boxes
- (3 each) 25' & 50' Heater Patch Cables
- (1) Wireless Temperature Monitoring System with 36 Sensors
- (1) Fluke Infrared Handheld Thermometer
- (15) 16" Multifans
- (2) 16" Multifan Adapters
- (15) Sprinkler Head Covers
- (4) Door Sweep Seals
- (1) 48" x 25' Reflective Insulation
- (4) Rolls Poly Tape
- (20) Cable Clamps

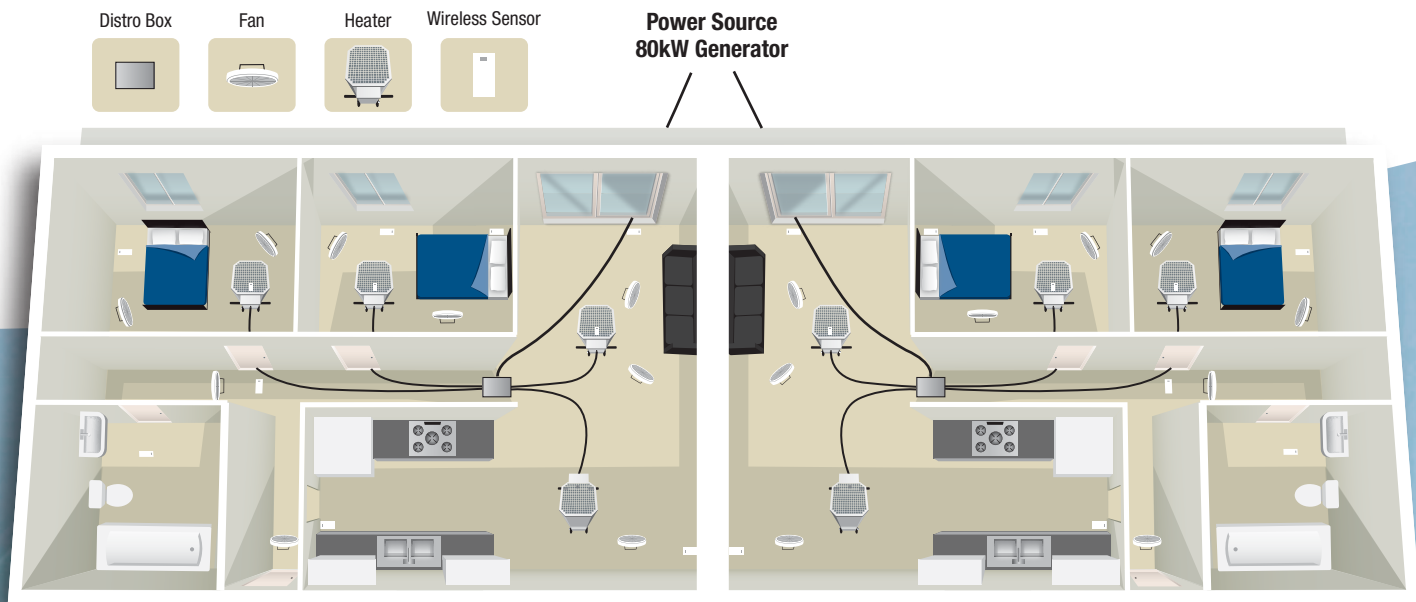


## EBB-80KW PACKAGE

The EBB-80KW Equipment Package is ideal for the heat treatment of bed bugs in single family homes and multiple apartments, hotel rooms, and dorm rooms at one time. This 8-heater system can typically treat up to 2800 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **You supply the power – 80kW 460V/60Hz/3ph.**

### PACKAGE INCLUDES:

- (8) EBB-460V Electric Heaters
- (8) 25' 12/3 High Visibility Extension Cords
- (4) 75' Main Power Cables
- (2) 460V Distribution Boxes
- (4 each) 25' & 50' Heater Patch Cables
- (1) Wireless Temperature Monitoring System with 48 Sensors
- (2) Fluke Infrared Handheld Thermometers
- (20) 16" Multifans
- (4) 16" Multifan Adapters
- (20) Sprinkler Head Covers
- (8) Door Sweep Seals
- (2) 48" x 25' Reflective Insulation
- (8) Rolls Poly Tape
- (28) Cable Clamps



# EBB-40KW TRAILER PACKAGE



The EBB-40KW Trailer Equipment Package is ideal for the heat treatment of bed bugs in apartments, dorms, hotels, and single family homes. This 4-heater system can typically treat up to 1400 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **Trailer and 40kW generator are included.**



## Package Includes

(1) Single Axel Trailer w/enclosure, 16' including tongue, 6,300 lbs fully loaded	(1) 40kW 460V/60Hz/3ph turbo diesel generator with block heater and 40 gal. fuel tank
(4) EBB-460V Electric Heaters	(4) 25' 12/3 High Visibility Extension Cords
(2) 75' Main Power Cables	(1) 460V Distribution Box
(2 each) 25' & 50' Heater Patch Cables	(1) Wireless Temperature Monitoring System with 24 Sensors
(1) Fluke Infrared Handheld Thermometer	(10) 16" Multifans
(2) 16" Multifan Adapters	(10) Sprinkler Head Covers
(4) Door Sweep Seals	(1) 48" x 25' Reflective Insulation
(4) Rolls Poly Tape	(14) Cable Clamps

\*See page 17 for typical equipment layout

# EBB-40KW LP TRAILER PACKAGE



The EBB-40KW LP Trailer Equipment Package is ideal for the heat treatment of bed bugs in apartments, dorms, hotels, and single family homes. This 4-heater system can typically treat up to 1400 sq. ft. based on 6-8 hour treatment times. **Trailer and 40kW propane generator are included.**



## Package Includes

(1) Double Axle Trailer w/enclosure, 15' including tongue, 6,300 lbs fully loaded	(1) 40kW 460V/60Hz/3ph propane generator with block heater and 75 gal. fuel tank
(4) EBB-460V Electric Heaters	(4) 25' 12/3 High Visibility Extension Cords
(2) 75' Main Power Cables	(1) 460V Distribution Box
(2 each) 25' & 50' Heater Patch Cables	(1) Wireless Temperature Monitoring System with 24 Sensors
(1) Fluke Infrared Handheld Thermometer	(10) 16" Multifans
(2) 16" Multifan Adapters	(10) Sprinkler Head Covers
(4) Door Sweep Seals	(1) 48" x 25' Reflective Insulation
(4) Rolls Poly Tape	(14) Cable Clamps

\*See page 17 for typical equipment layout

# EBB-60KW TRAILER PACKAGE



The EBB-60KW Trailer Equipment Package is ideal for the heat treatment of bed bugs in single family homes and multiple apartments, hotel rooms, and dorm rooms at one time. This 6-heater system can typically treat up to 2100 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **Trailer and 60kW generator are included.**



## Package Includes

(1) Double Axle Trailer w/enclosure, 15.5' including tongue, 6,760 lbs fully loaded	(1) John Deere 60kW 460V/60Hz/3ph turbo diesel generator with block heater and 40 gal. fuel tank
(6) EBB-460V Electric Heaters	(4) 25' 12/3 High Visibility Extension Cords
(4) 75' Main Power Cables	(2) 460V Distribution Boxes
(3 each) 25' & 50' Heater Patch Cables	(1) Wireless Temperature Monitoring System with 36 Sensors
(1) Fluke Infrared Handheld Thermometer	(15) 16" Multifans
(2) 16" Multifan Adapters	(15) Sprinkler Head Covers
(4) Door Sweep Seals	(1) 48" x 25' Reflective Insulation
(4) Rolls Poly Tape	(20) Cable Clamps

\*See page 18 for typical equipment layout



# EBB-80KW BOX TRUCK PACKAGE

The EBB-80KW Box Truck Equipment Package is ideal for the heat treatment of bed bugs in single family homes and multiple apartments, hotel rooms, and dorm rooms at one time. This 8-heater system can typically treat up to 2800 sq. ft. based on 6-8 hour treatment times. Treatment strategies do allow for larger settings. **Box truck assembly and 80kW generator are included.**



## Package Includes

(1) Box Truck Assembly ( <b>Truck sold separately.</b> )	(1) John Deere 80kW 460V/60Hz/3ph turbo diesel generator with block heater and 80 gal. fuel tank
(8) EBB-460V Electric Heaters	(8) 25' 12/3 High Visibility Extension Cords
(4) 75' Main Power Cables	(2) 460V Distribution Boxes
(4 each) 25' & 50' Heater Patch Cables	(1) Wireless Temperature Monitoring System with 48 Sensors
(2) Fluke Infrared Handheld Thermometer	(20) 16" Multifans
(4) 16" Multifan Adapters	(20) Sprinkler Head Covers
(8) Door Sweep Seals	(2) 48" x 25' Reflective Insulation
(8) Rolls Poly Tape	(28) Cable Clamps

\*See page 19 for typical equipment layout

# BED BUG EQUIPMENT PACKAGE COMPARISON

## You Supply the Power

## Power Included

	EBB-115V Single Heater Package	EBB-115V Dual Heater Package	EBB-20KW Package	EBB-40KW Package	EBB-60KW Package	EBB-80KW Package	EBB-40KW Trailer Package	EBB-40KW LP Trailer Package	EBB-60KW Trailer Package	EBB-80KW Box Truck Package
EBB-115V Electric Heater	1	2								
EBB-460V Electric Heater			2	4	6	8	4	4	6	8
25' 12/3 High Visibility Extension Cord		8	4	4	4	8	4	4	4	8
50' 12/3 High Visibility Extension Cord	8	8								
75' Main Power Cable			2	2	4	4	2	2	4	4
460V Distribution Box			1	1	2	2	1	1	2	2
25' Heater Patch Cable				2	3	4	2	2	3	4
50' Heater Patch Cable			2	2	3	4	2	2	3	4
Wireless Temperature Monitoring System	12 Sensors	12 Sensors	12 Sensors	24 Sensors	36 Sensors	48 Sensors	24 Sensors	24 Sensors	36 Sensors	48 Sensors
Fluke Infrared Handheld Thermometer	1	1	1	1	1	2	1	1	1	2
16" Multifan	5	5	5	10	15	20	10	10	15	20
16" Multifan Adapter	2	2	2	2	2	4	2	2	2	4
AirWall 6' x 10' wth 20" Duct Transition	1	1								
Sprinkler Head Cover	8	8	10	10	15	20	10	10	15	20
Door Sweep Seal	4	4	4	4	4	8	4	4	4	8
Reflective Insulation	1	1	1	1	1	2	1	1	1	2
Poly Tape	4	4	4	4	4	8	4	4	4	8
Stealthlite Rechargeable Flashlight	1	1								
Omega IPM Vacuum	1	1								
Cable Clamps	20	20	14	14	20	28	14	14	20	28
Power Generator							40kW	40kW	60kW	80kW
Trailer							Sgl Axl	Dgl Axl	Dgl Axl	
Box Truck Assembly (Truck Sold Separately)										1



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