

# Wood Gun Super E210

Manufactured by Economical Energy Consultant INC  
DBA Alternate Heating Systems  
2393 Little Egypt Road Harrisonville, PA 17228



Certified To: UL 2523, CAN/CSA B366.1-11, ASTM 2515-11, ASTM 2618-13  
U.S. ENVIRONMENTAL PROTECTION AGENCY Certified to comply with  
2020 particulate emission standards using cordwood.

Certified as an ad-on model: November 2021

**Model:** SE210

**Serial No.**

**Date of Manufacture:** 11/2021



## Installation Clearances to Combustibles:

FRONT – 24in; LEFT – 6in; RIGHT – 6in; REAR – 6in; TOP – 6in;  
CHIMNEY – 18in

(Only install on a **noncombustible floor**. Concrete, Etc.)

For Supply Connections use 12 AWG or larger wires acceptable for at  
least 90°C or an equivalent.

For use with copper conductors only.  
See installation manual for more detail.

## Specifications :

Voltage: 120

Amps: 12.2A

Frequency: 60 Hz

Phase: 1

Max. wire temperature:  
90°C

Minimum Flue Diameter:  
6"

## Minimum Circuit

Ampacity (MCA): 15A

Max-over Current

Protective Device: 20A

Emissions (lb/MMBtu):

Cat 1: 0.15

Cat 2: 0.14

Cat 3: 0.11

Cat 4: 0.07

## REFER TO OWNER'S MANUAL

- ✓ For basic operating and maintenance instructions, see the owner's manual.
- ✓ This unit burns seasoned logwood.
- ✓ Maximum -.08 inches of water column draft
- ✓ Minimum -.04 inches of water column draft
- ✓ Field assembly of low water cut off (See installation manual for details)

Refer to the Intertek Directory of Building Products (<https://bpdirectory.intertek.com>) for detailed information.

## **DANGER: RISK OF FIRE OR EXPLOSION:**

### **WARNING FIRE DANGER:**

- Do NOT use chemicals for starting a fire.
- Do NOT burn garbage, gasoline, fuel oils, or other flammable liquids or materials.
- Do NOT store combustibles within marked installation clearances.
- Do NOT allow explosive vapors to accumulate in boiler room.
- Do NOT operate if flue draft exceeds .08 inches of water column.
- Do NOT touch during operation.
- Do NOT operate with Load door, Ash door open.
- Do NOT interchange chimney manufacturers (Selkirk corp.)
- DO NOT CONNECT TO A FLUE SERVING ANOTHER APPLI-  
ANCE.

## **CAUTION:**

- **Do not open the loading door even in a power outage, until power is restored, and the green “Purge” turns on.**
- **Keep children away.**
- **Keep Clothing, furniture, and other combustible materials away.**
- **Load wood carefully or damage may result.**
- **Do NOT alter this equipment in any way.**
- **Inspect and clean the flue and chimney regularly.**
- **Unit is HOT while in operation.**
- **This equipment may only be installed by qualified personnel.**

## **WARNING – FIRE DANGER:**

All flue connections must meet all the requirements of NFPA Standard Number 211 and UL 103. The appliance must be connected to an approved chimney made of masonry or manufactured chimney listed for solid fuel.

## **IMPORTANT:**

- For INDOOR use only.
- Unit requires a supply of combustion air.
- This vessel is an ASME-certified boiler. The vessel is not suitable for heating potable water without the use of a domestic water exchanger.
- Unit will not operate without electrical power.
- Disconnect power before servicing. Keep shields and covers in place unless servicing boiler.
- The heat exchanger, flue pipe, and chimney must be in good condition and cleaned regularly to remove accumulated creosote and ash. Clean at the end of the heating season to minimize corrosion during the summer months.
- This wood heater needs periodic inspection and repair for proper operation. Consult the owner’s manual for further information. It is against federal regulations to operate this wood heater in a manner inconsistent with the operating instructions in the owner’s manual.
- Unit may be connected to an existing boiler system. Do not relocate or bypass any of the safety controls in the original boiler installation.
- Use **CO (carbon monoxide) detector** in any boiler installation to detect the presence of gas that may accumulate in the area around the boiler.

### **In case of runaway fire:**

1. Cut power.
2. Make sure automatic air controls are tightly closed and the draft motor is off.
3. Shut loading and ash removal doors.
4. Maintain continued circulation of boiler water to remove heat from the boiler and if the boiler is equipped with a domestic coil run hot water.

### **In a case of power loss:**

Do not open the loading door even in a power outage, until the power is restored, and the green “Purge” light turns on!

If you lose power the Wood Gun will shut down. If the power is not restored within 4-6hr you will most likely need to restart the fire, with match, paper, and kindling. Still, wait for the green light to turn on even before restarting.

A backup power source may be used to operate the Wood Gun in a power outage. Backup power must support both the controls and circulators. (Do not run a backup generator in the same area with the boiler or in any confined space).

The system must work even when unattended to guard against overheating. Backup power must be provided in a way that satisfies local code requirements and prevents back-feeding of electricity into the power grid.

If no means of dissipating heat exists, close all doors, and verify automatic dampers are closed.