

Maxi Comfort Biomass Furnace

- Powered Vent • WMO Safety Switch
- Battery Back Up • Dual Auger •
- Wood Pellet Insert •



EQUIPMENT OPERATION

There are four (4) operating devices on the Maxi Comfort furnace.

1. Hopper Auger – conveys fuel from the hopper to the firepot. Its ON time is determined by the 'duty cycle' x the 'cycle time', and only runs when the thermostat contact is closed, or in standby mode.

2. Combustion Air Fan – supplies air to the fire pot. Its ON time is determined by the hopper auger ON time x the 'multiplier' (see Table 2). The volume of air is controlled by the flapper on the inlet to the fan.

3. Circulation Blower – distributes warm air through the duct work. It is controlled by the fan/hi limit device, and starts at a temperature of 140°F and shuts off at 120°F. A manual over-ride push/pull allows for continuous operation.

4. Control Board – is the 'brains' of the furnace. It allows the owner to customize the furnace setup for maximum comfort and fuel efficiency

NOTE: The hopper auger and the combustion fan start together at the beginning of each cycle, and run for times determined by the control board setup. The circulation blower is independent of the control board.

FEATURES and BENEFITS

- Now burn Corn, Wheat, Rye or Wood Pellets in one device, giving flexibility and choice of best cost fuel.
- 110,000 BTU output can heat up to 3,500 sq. ft.
- Removable Wood Pellet Insert for quick change to Grain Fuel.
- Thermostat Controlled or use the Maxi Comfort in manual mode for large open area heating such as workshops.
- High quality Heavy Gauge Steel provides excellent heat retention while ensuring quiet operation and extended life.
- Self Cleaning design means all you have to do is empty the ash pan every 2 weeks on average.
- Enlarged ducting connections reduce static pressure and allow easy connection to existing duct work.
- Front Mounted Heat Exchanger Cleaning Mechanism always keeps the heat exchanger clean and efficient.
- Design improvements now rate the Maxi Comfort Biomass Furnace at above 84% efficiency.
- Increased efficiency allows the Maxi Comfort Furnace to be eligible for government grants.
- Firepot retains heat and increases efficiency. Firepot has a 3 year warranty.
- 200 lb. Hopper Capacity for longer burn time. Equivalent to 4 bushels.
- Exclusive Dual Auger Design eliminates burn back smoke issues and provides a fuel break for safety.
- 5 Position Modulating Temperature Range Setting for smooth heat delivery and maximum comfort.
- Grain and Wood Pellets used in the Maxi Comfort are renewable Carbon Neutral Fuels.
- Biodegradable residual of Grain and Wood Pellet Ash are recommended as an excellent fertilizer.

Included Accessories



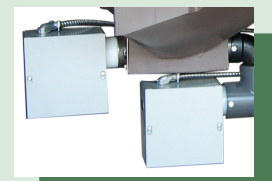
Wood Pellet Insert



Powered Vent with WMO Safety



Battery Back Up



Exclusive Dual Auger Design



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