

Bioenergy Association of New Zealand

Heating with Wood Chip

Wood chips and pellets for energy-
A user perspective

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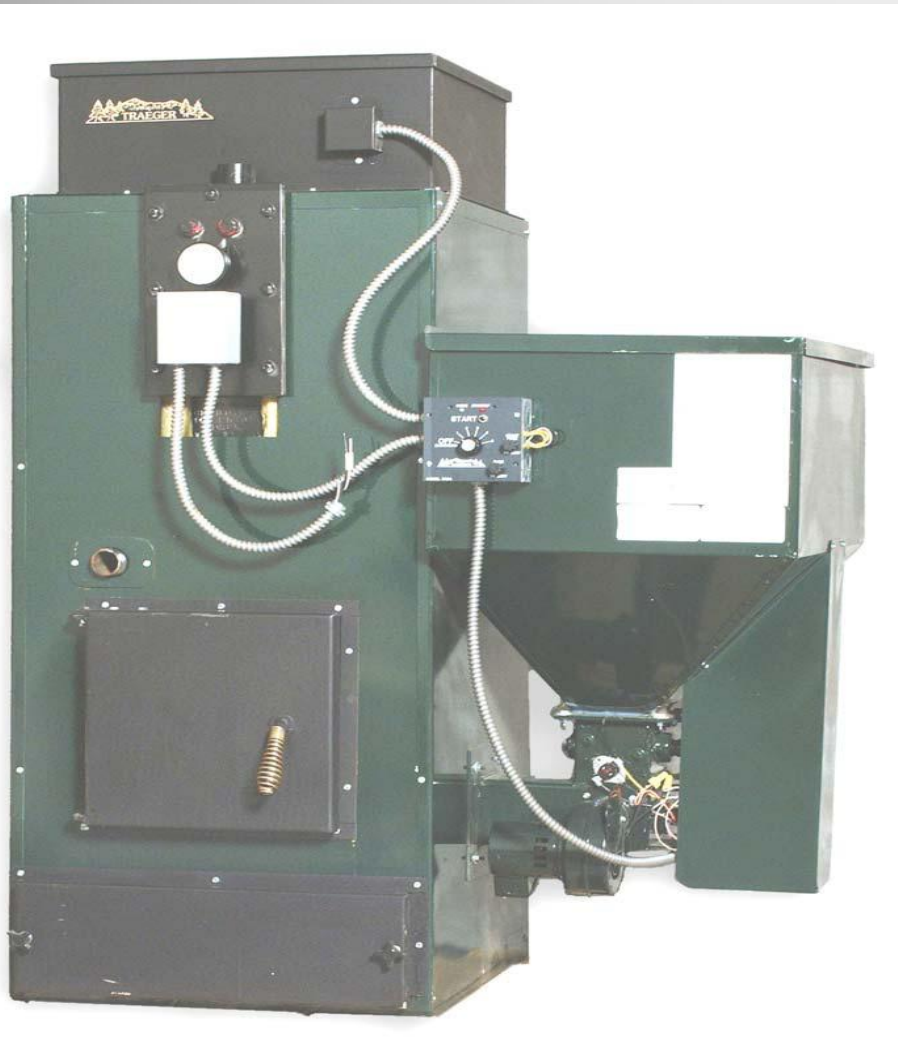
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Heating with Wood



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Heating with Wood -early stages



Traeger pellet boiler

Simple

Provided by Solid Energy

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Heating with Wood - early stages



Rennenergy pellet boiler

- Sophisticated
- High efficient
- Separate Bunker

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Heating with Wood - early stages



Hargassner wood chip boiler

- Sophisticated
- High efficient
- Separate Bunker

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Heating with Wood – fuel handling



Modified coal bunker

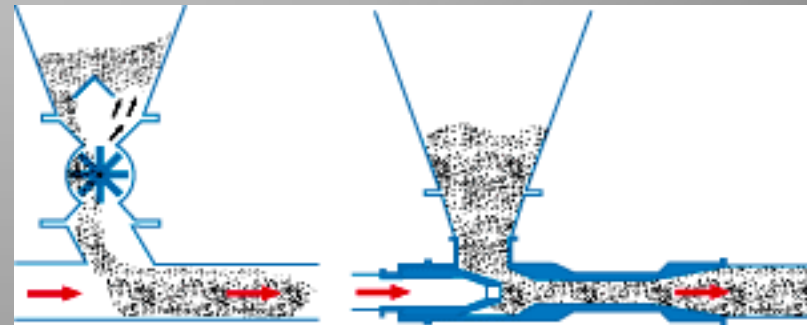
- Bulk delivery
- Hoist can lift tonne bags

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Heating with Wood – fuel handling

Blower trials

- Extremely noisy
- Acceptable volume is hard to achieve



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Heating with Wood – fuel handling



Hargassner wood chip system

- 50m³ /hour
- Suitable for ground level and elevated bunkers

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Heating with Wood – fuel handling



Hargassner wood chip system

- Tip in solution
- Not much dust
- Not too noisy

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Heating with Wood – fuel handling

Preferred way of handling wood chips

- Big volumes
- No bunker space inside a building required



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Heating with Wood – fuel quality

wood chip size

- Blocks augers
- Stalls boilers

Wood pellet density

- Blocks augers
- Spills out



