

EnviroSaver™ 400

Mobile Air Curtain Carbonizer

The Future of Wood and Vegetative Debris Conversion

The mobile and stationary EnviroSaver Air Curtain Carbonizers are the most advanced, cost-effective and environment-friendly wood waste elimination systems ever built. Utilizing the wood, vegetation, and other combustible waste streams as its own fuel source. The EnviroSaver 400 is designed to accept fine or processed and unprocessed waste streams.



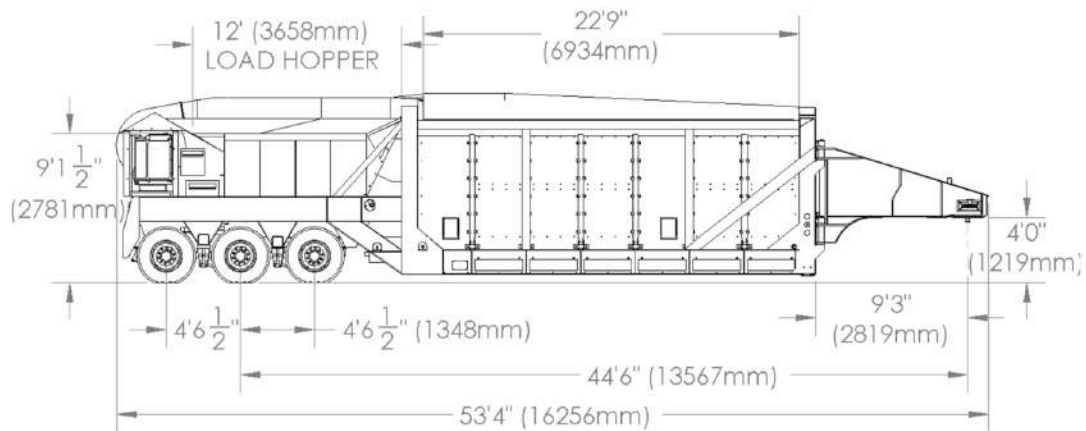
EnviroSaver Benefits

- Capable of converting both large unprocessed trees, stumps, brush, etc., and fine debris, such as ground, chipped wood or bark with sawdust, and msw/trash, etc.
- The Hopper/Feeder system provides continual metering of fine or processed materials not suited for batch feeding in to the combustion chamber.
- Both the combustion chamber and hopper are equipped with a live floor system to feed at an adjustable rate and convey material through to complete char conversion.
- Continuous automatic char removal for maximum throughput.
- Pre-heated under chamber air provides maximum combustion efficiency.
- Wheeled chassis provides for quick and easy relocating.
- Live stream video monitoring of combustion chamber so operator has full visibility for ease of feeding.
- Compliant with current US EPA emissions regulations.
- Extremely low operating cost, simple and easy single person operation.
- Eliminates processing, transportation and disposal cost.
- A natural process that produces biochar rather than harmful methane gas from landfilling, decomposition, and other inferior disposal methods.
- *Available as a stationary unit with optional electric drive.*

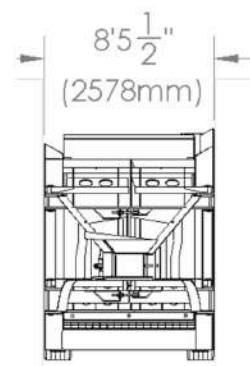


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EnviroSaver™ 400



Goose neck and doors swing open for complete combustion chamber access



EnviroSaver 400 Specifications:

Fine Debris Hopper/Feeder:

B3657mm, (12') long, 1625mm (5'4") wide, 2032mm, (6'8") tall sides, hydraulically operated live floor design to feed fine debris.

Ceramic Panels:

Bolt in easily replaceable panels rated to 1650 degrees C. (3000 degrees F.)

Blower:

Custom fan providing the required SCFM and velocity for the above chamber air curtain and below chamber pre-heated air supply for optimal combustion and pyrolysis performance.

Engine:

Caterpillar Acert 3.3/4.4 liter, (124-147hp.)

Portability:

3 axles, super singles, goose neck with kingpin that folds out to each side allowing the char doors to open, giving full access to the combustion chamber.

Ash Handling System:

Live floor, hydraulically operated.

Hydraulic System:

Gear pump for all floor and feed functions, 250 liter (55gallon) oil reservoir.

Electrical System:

IQAN PLC with radio remote control for all functions. Camera mounted on hydraulically operated arm to stream video to monitor in cab of machine feeding.

Total Weight:

Approx. 40454Kg, (89,000 lbs.)

Fuel Tank:

465 Liters (123 gallons)

Optional:

Quenching system with metal removal.

