

ENVIROSAVER™ 350

Mobile Air Curtain Carbonizer

The Future of Wood and Vegetative Debris Conversion

The mobile and stationary ENVIROSAVER is the most advanced, cost-effective and environment-friendly wood debris conversion systems ever built, converting wood and other suitable biomass into a high quality biochar at high throughput rates. Designed to accept trees, brush, stumps and other wood debris as well as C&D and MSW, without grinding or chipping.



Patent Pending

ENVIROSAVER Benefits

- Continuous automatic biochar removal for maximum throughput.
- Dump feature to quickly empty combustion chamber when burning contaminated material.
- Preheated under chamber air for maximum efficiency.
- Track mounted for easy onsite mobility while operating and for easy trailer loading.
- Live stream video monitoring of pyrolysis chamber so operator has full visibility for ease of feeding.
- Compliant with current US EPA emissions regulations.
- Extremely low operating costs, simple and easy single person operation.
- Eliminates processing, transportation and disposal cost.
- A natural process that produces biogenic CO₂ and biochar, rather than harmful methane gas from landfilling, decomposition, and other inferior disposal methods.
- Available as a stationary unit with optional electric drive.

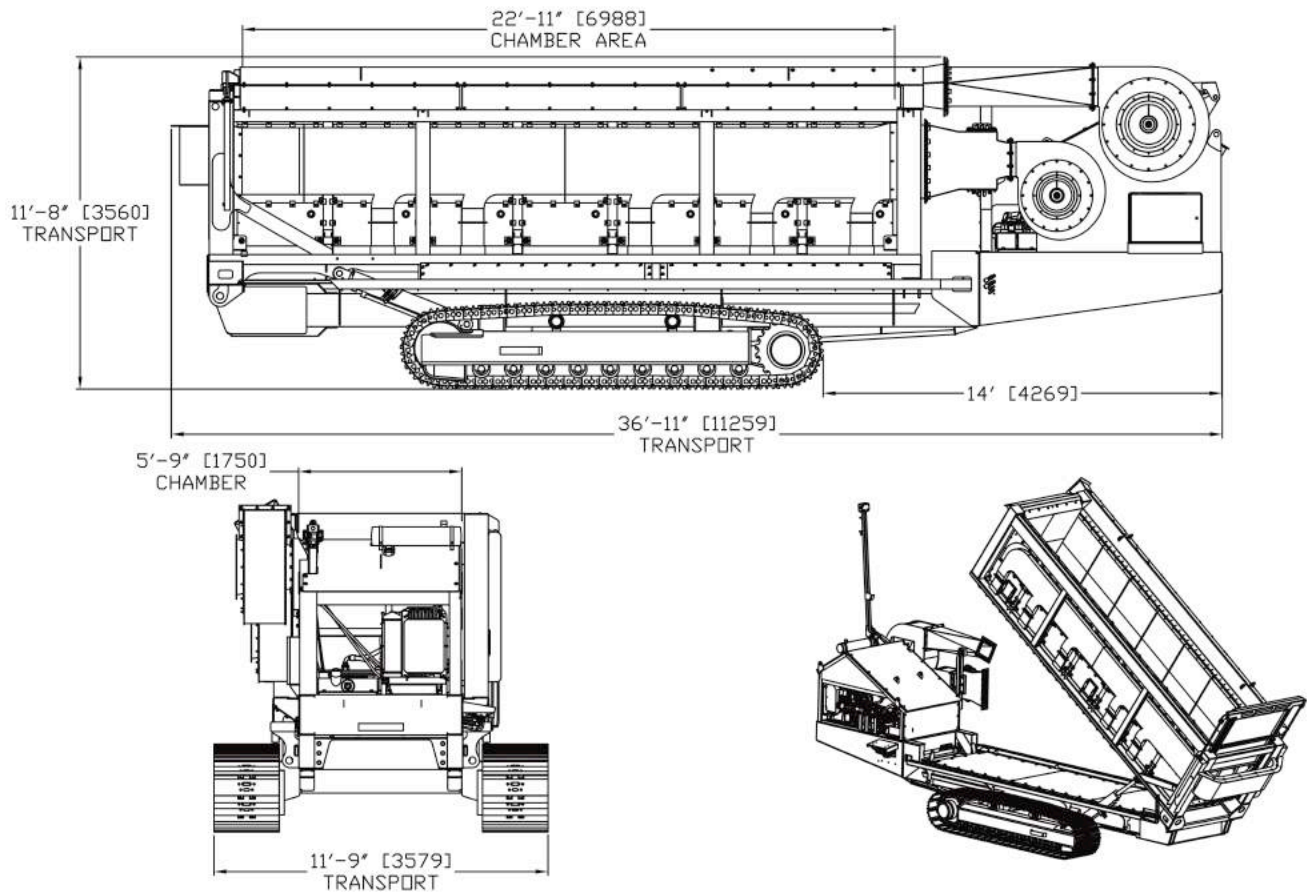


P.O. Box 348 Chester, NH 03036
Phone: (603) 244-7000 www.roi-equipment.com



ENVIROSAVER™ 350

Mobile Air Curtain Carbonizer



Patent Pending

ENVIROSAVER 350 Specifications:

Thermo-Ceramic Panels:

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

Blower:

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

Engine:

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

Tracks:

Berco B5, two speed motors, 700mm (27.5") wide track pads.

Hydraulic System:

High pressure hydrostatic and open loop piston pumps for blowers and all other functions. 250 liter (55gallon) oil reservoir, oil cooler.

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: 31363 - 33112 Kg (69,000 - 73,000 lbs.) based on options chosen

Fuel Tank:

465 Liters (123 gallons)

Optional:

Comes standard with ash pan for applications when combusting to completion. Optional auger discharge for biochar production, with or without stacking conveyor.



P.O. Box 348 Chester, NH 03036
Phone: (603) 244-7000 www.roi-equipment.com