



Merris WX-8

Air Curtain Burner Advanced Data Sheet

Details

Manufacturer	Merris
Model	WX-8
Category	Air Curtain Burners

Overview

The Merris WX-8 Wood Waste Incinerator is an advanced and highly efficient solution for large-scale wood waste disposal, designed to emphasize sustainability and superior performance. Building on the success of the WX-6 model, the WX-8 features a larger 30' overall length, 21.5' long burn box, and 4.11' width, providing a significant 25% increase in capacity. At the core of the WX-8 is its robust eight-panel burn chamber, engineered for exceptional durability and combustion efficiency. In addition to its outstanding waste processing capabilities, the WX-8 produces biochar as a valuable byproduct. This eco-friendly feature not only contributes to reducing environmental impact but also offers a sustainable resource that can be repurposed in agriculture or carbon sequestration efforts.

Processed Materials

Green Waste, Pallets, Palm Trees, Tree Roots, Wood

Recommended Use

Best For	Forestry and land management projects where large volumes of wood waste need efficient and environmentally friendly disposal. Similar to the X7, ideal for large-scale wood waste disposal and biochar production, with enhanced capacity and features for larger projects
Good For	Construction and demolition sites with significant wood waste generation seeking a convenient on-site disposal solution. More intensive applications like land clearing operations

Not Built For	Incinerating non-wood materials or hazardous waste, as air curtain burners are specifically designed for clean burning of wood and organic waste. Applications that don't require high-capacity wood waste disposal
Best Loader	Large excavator with grapple/thumb

Specifications

Transport Size (L x W x H)	30' X 7'11" X 7'
Weight	24,000 lb
Tank Capacity	33 gallon
Fuel Consumption	3 gal/h
Engine Power	47 hp
Ton per hour	6 - 9 tph
Feed Height	6'2"
Firebox Dimension	21'5" X 4'11" X 7'8"
Engine Type	Yanmar or Kohler
Working Size (L x W x H)	30' X 7' X 7'

Features

- ✓ High-tech refractory walled FireBoxes
- ✓ 10 panel burn chamber
- ✓ Cost-effective and environmentally friendly solution
- ✓ Clean burning with minimal emissions
- ✓ Biochar production after screening
- ✓ Suitable for forestry and land management
- ✓ Air curtain technology for containment

- ✓ Efficient disposal of large wood waste volumes
- ✓ Versatile use in remote or inaccessible locations
- ✓ Ideal for construction and demolition sites
- ✓ Air curtain technology for containment
- ✓ Suitable for both fresh and dry wood
- ✓ Production of valuable biochar

Add-Ons

Rollon-rolloff chassis

Frequently Asked Questions

What is the Merris WX-10 air curtain burner?

The Merris WX-10 air curtain burner, also known as an air curtain incinerator, is a machine that cleanly burns wood and vegetative waste by blowing a curtain of air over the fire to reduce smoke and emissions.

Where's the Merris WX-10 air curtain burners commonly used?

The Merris WX-10 is ideal for municipalities, landfills, parks, forestry operations, and land clearing projects.

Is the Merris WX-10 air curtain burners carbon neutral?

Yes, with the Merris WX-10, burning clean vegetative waste, the process is considered carbon neutral under EPA guidelines.

What permits are needed to operate the Merris WX-10?

There are two types required to operate the Merris WX-10; Temporary Use: Local permits for short-term projects like land clearing or fire prevention. Stationary Use: May require a Title V permit from your state's air quality office for long-term use.

What kinds of waste can the Merris WX-10 burn?

The Merris WX-10 is designed for clean vegetative waste, such as branches, logs, and brush, not mixed or hazardous materials.

How does the Merris WX-10 help fight climate change?

The Merris WX-10, drastically reduces black carbon emissions—one of the top contributors to climate change—air curtain burners offer a fast and effective climate solution.

Why use the Merris WX-10 air curtain burner instead of open burning or grinding?

The Merris WX-10 air curtain burner is environmentally friendly and emits far less black carbon and CO₂ compared to open burning or grinding, which are highly polluting.

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