



# Merris WX-6

## Air Curtain Burner Advanced Data Sheet

Details

Manufacturer	Merris
Model	WX-6
Category	Air Curtain Burners

Overview

The Merris WX-6 Wood Waste Incinerator, a cutting-edge solution to wood waste disposal, engineered with sustainability and efficiency at its core. At the heart of the WX-6 lies a robust 18' x 5' x 6' refractory-walled FireBox, meticulously designed to withstand extreme temperatures and ensure the highest levels of combustion performance. Equipped with advanced air curtain technology, the WX-6 generates a powerful, high-velocity airflow over the burn chamber. This innovative feature effectively traps particulates and smoke, allowing for thorough combustion while significantly minimizing emissions and environmental impact. The system expertly reburns particles until they are completely combusted into hot gases, ensuring exceptionally clean burning of wood waste. Beyond its impressive environmental credentials, the Merris WX-6 is highly portable and remarkably easy to deploy. This makes it the perfect choice for a wide range of applications, from forestry and land management to construction sites and remote locations, where efficient and eco-friendly disposal of wood waste is required. One of the most exciting benefits of the WX-6 is its ability to produce valuable biochar, a byproduct that further enhances its eco-friendly appeal by offering a sustainable solution to waste disposal needs. With the capacity to burn up to 4 tons per hour, the Merris WX-6 Wood Waste Burner represents a significant leap forward in waste management technology, delivering performance, sustainability, and convenience in one powerful package.

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 X5, 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/medium excavator with grapple/thumb

## Specifications

Transport Size (L x W x H)	25' X 7'2" X 7'2"
Weight	20,000 lb
Tank Capacity	23 gallon
Fuel Consumption	3 gal/h
Engine Power	24 hp
Ton per hour	4 - 7 tph
Feed Height	6'2"
Firebox Dimension	16' X 5'5" X 6'
Engine Type	Yanmar or Kohler
Working Size (L x W x H)	25' X 7'2" X 7'2"

## Features

- ✓ High-tech refractory walled FireBoxes
- ✓ Clean burning with minimal emissions
- ✓ Portable and easy to deploy
- ✓ Suitable for forestry and land management
- ✓ Versatile use in remote or inaccessible locations
- ✓ Biochar production after screening
- ✓ Air curtain technology for containment
- ✓ Production of valuable biochar
- ✓ Efficient disposal of large wood waste volumes
- ✓ Ideal for construction and demolition sites
- ✓ Cost-effective and environmentally friendly solution

## Add-Ons

Rollon-Rolloff integrated chassis

For easy transport

**Hinged rear doors**

To access and clean out the burn chamber

**Box iron steel frame**

Stronger box and extra safety

**Reinforced engine mounts**

For increased durability and improved vibration control.

**Pulley guards installed on fans**

Enhanced safety

---

## Frequently Asked Questions

### What is the Merris WX-6 air curtain burner?

The Merris WX-6 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.

---

### Why use the Merris WX-6 air curtain burner instead of open burning or grinding?

The Merris WX-6 air curtain burner is environmentally friendly and emits far less black carbon and CO<sub>2</sub> compared to open burning or grinding, which are highly polluting.

---

### How does the Merris WX-6 help fight climate change?

The Merris WX-6 drastically reduces black carbon emissions—one of the top contributors to climate change—air curtain burners offer a fast and effective climate solution.

---

### What kinds of waste can the Merris WX-6 burn?

The Merris WX-6 is designed for clean vegetative waste, such as branches, logs, and brush, not mixed or hazardous materials.

---

### What permits are needed to operate the Merris WX-6?

There are two types required to operate the Merris WX-6; 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.

---

### Is the Merris WX-6 air curtain burners carbon neutral?

Yes, with the Merris WX-6, burning clean vegetative waste, the process is considered carbon neutral under EPA guidelines.

---

### Where's the Merris WX-6 air curtain burners commonly used?

---

The Merris WX-6 is ideal for municipalities, landfills, parks, forestry operations, and land clearing projects.

---

## Why buy from Machinery Partner?

### Trusted Expert Guidance

Backed by years of industry experience and trusted by leading contractors, our specialists guide you to the right equipment globally. Avoid costly mistakes and source with confidence.

[Talk to an Expert](#)

### Financing That Fits Your Business

Get your projects moving faster. We work with you and our network of lenders to provide clear, competitive financing options tailored to your business needs.

[Explore Financing](#)

### Support & Reliability

From inspections and logistics to accessing skilled technicians, we provide comprehensive support to ensure your equipment performs reliably, minimizing costly downtime.

[Discover Our Support Services](#)

### Nationwide Delivery & Training

No matter where your project is located, we handle the logistics from start to finish. Our team coordinates fast, secure delivery and on-site training to get your equipment running quickly and safely.

[Learn More](#)



Gallery

