

HotRot 1811 In-Vessel Composting System

[Inventory ID #1095137]



HotRot Turn Key In Vessel Composting System

Quantity: (2) Unit Package

- Throughput Capacity: 1.8-2.5 tonne per day each when supplied with an integrated feed hopper (or 1.0-1.8 tonne per day with a less efficient bin-lifter feed unit)
- Make: Hot Rot
- Model: 1811 (x2)
- Year: 2011 (One Unit) and 2017 (One Unit)
- Condition: Excellent
- Equipment Details:
 - Control Type: Fully Automated
 - Motor: 7.4 HP (5.5kW) Main Drive, 20 HP Motor on Custom Grinder - All Equipment Operates on 480 Volt 3 Phase Power
 - Shipping Dimensions: 12.8m Long x 2.2m Wide x 2.3m Tall
 - Shipping Weight: 11,500kg

General Model Specifications:

- 2 x HotRot 1811 In-Vessel Composters
 - Fully Modular
 - Nominal Capacity: Up to 2.5 tonnes a day Each
 - Fully Automated Control Center
 - High resolution colour touch screen with mimic display, graphical data trends, parameter settings, alarms, multiple language option and online connectivity option
 - Equipped with monitoring equipment that provides on-line diagnostic facilities
 - The HotRot 1811 unit consists of a steel/stainless steel u-shaped insulated hull,

capped with fibreglass insulated lids

- stainless steel central tine-bearing shaft runs longitudinally
 - Rotates both directions to ensure even mixing and distribute heat and moisture
 - Power Consumption: 26kWh/tonne
 - Periodic Air Injection provided by externally mounted low pressure system
 - Residence Time of 10-12 Days
 - Does not produce Leachate
 - HotRots produce a small amount of condensate which can be used for irrigation, wetting maturation piles or discharged to sewer
 - 50-70% Volume Reduction
 - Compost is highly stable - needs no curing unless packing for resale
 - HotRot unit may require an operator for about 1 hour per day
 - Low Noise: 75 dB Typical while in use
 - FootPrint: 120m³ includes feed hopper, biofilter, feed and discharge augers
- 1 x HotRot Screwtech Infeed Hopper
 - Able to handle 2 Days worth of Processing Capacity
 - Enclosed to reduce Odour
 - 2 x Infeed Augers
 - Enclosed to reduce Odour
 - 2 x Outfeed Augers
 - Enclosed to reduce Odour
 - 2 x Bio-Filtered Air Pumps
 - A bio filter package incorporating a condensate tank and plenum floor is supplied with each unit
 - Biofilter media is required in addition
 - Eligible for HotRot's Odour-Free Guarantee
 - 54" Trommel with Infeed Hopper
 - Wired for 230V 1 Phase Power

Location: Western Canada

Description: The HotRot 1811 is a horizontal, continuous agitation, flow through, in-vessel composting system. The 1811 includes an enclosed hopper for automated, regular, periodic feeding of the system, as well as a rotating shaft with tines for aeration and mixing. The system monitors the compost's temperature, pH, and CO₂ level, and regulates the levels using an exhaust fan, which produces further aeration as required, as well as avoids leachate by removing excess moisture. The fan is attached to a bio-filter, guaranteeing no odor from the system's output air. The resulting compost is discharged into an auger for further breakdown of the product.

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