



## T-REX Composter Series Specifications

Machine Model	T100	T200	T300	T500
<b>Compost Capacity</b>				
<b>Daily</b>	275 Kg (600 lbs)	550 Kg (1,200 lbs)	825 Kg (1,800 lbs)	1,370 Kg (3,000 lbs)
<b>Monthly</b>	8,300 Kg (18,300 lbs)	16,700 Kg (36,800 lbs)	25,000 Kg (55,100 lbs)	41,700 Kg (92,000 lbs)
<b>Annually</b>	100 T	200 T	300 T	500 T
<b>Volume Reduction</b>				
Up to 80%				
<b>Compost Time</b>				
24 hours				
<b>Electrical System Options</b>				
Three-phase 480 Volts 60Hz, otherwise transformer required				
<b>Maximum Power Draw</b>				
	13 kW	25 kW	30 kW	45 kW
<b>Average Power Usage (Consumption may vary based on usage)</b>				
	3,800 kWh/month	5,800 kWh/month	6,900 kWh/month	14,000 kWh/month
<b>Machine Dimensions</b>				
<b>Width</b>	2850 mm (112.25 in)	3176 mm (125.00 in)	3845 mm (151.38 in)	4508 mm (177.50 in)
<b>Depth</b>	1148 mm (45.25 in)	1508 mm (59.38 in)	1626 mm (64.00 in)	1769 mm (69.63 in)
<b>Height</b>	1473 mm (58.00 in)	1833 mm (72.13 in)	2030 mm (79.88 in)	2192 mm (86.25 in)
<b>Machine Weight</b>				
<b>Empty</b>	1,527.9 kg (3,368.44 lbs)	1,879.6 kg (4,143.81 lbs)	2,138.3 kg (4,714.15 lbs)	2,405 kg (5,302.12 lbs)
<b>Max Operating</b>	2,758.3 kg (6,081.01 lbs)	4,369.9 kg (9,633.98 lbs)	6,418.1 kg (14,149.49 lbs)	8,418.1 kg (18,558.73 lbs)
<b>Installation Requirements</b>				
<ol style="list-style-type: none"><li>1. Dedicated 480V three-phase power supply</li><li>2. Ventilation pipe (with recommended condensation line)</li><li>3. Water and drainage connections (for optional tote washing)</li><li>4. Suitable room specifications and delivery dock</li></ol>				
<b>Machine Material</b>				
<b>Tank</b>	304 stainless steel			
<b>Outer Panels</b>	304 stainless steel			

### Loading Door

Manual top loading door with proximity sensors

### Offloading Door

Manual front offloading door with proximity sensors

### Heating

Insulated electric heating pads

### Machine Features

#### Sensors

Monitors temperature and machine functionality in real-time, ensuring safe operation and automatic response when limits are exceeded

#### Energy Saving Mode

Machine enters Energy Saving Mode once the target humidity is reached, reducing fan speed and maintaining temperature until another mode is activated or manually stopped

#### Sanitation

Meets Canadian Food Inspection Agency standards (60°C for 60 minutes) for heat treatment required for processing organic materials effectively eliminating potentially harmful pathogens and bacteria

#### Touch Screen

HMI touch screen provides real-time data on humidity, temperature, and machine controls, offering a simple, interactive interface for operators

#### Manual Mode

Allows operators to control individual machine functions directly

#### Tote Lifter

Used to lift and load organic waste into the machine, ensuring safe and efficient operation

#### Interior Camera

Provides operators easy observation of the composting process

#### Remote Monitoring System

Remote monitoring, software upgrades, and an interactive waste reporting dashboard

#### Paddles

Agitator paddles designed for maximum tearing of organic materials to ensure efficient mixing and breakdown

### Safety Features

- Composter stops if the doors are detected open, except during Waste Input or Manual Modes
- Sensors trigger alarm when a disruption is detected in the system
- PID temperature-controlled heat pads ensure precise temperature regulation
- Emergency stop button

### Deodorizer

#### Features

Activated charcoal odor neutralizer

#### Dimensions

520 mm (20.47 in) W x 1,206 mm (47.48 in) D x 781 mm (30.75 in) H

#### Installation Requirement

Exhaust ventilation

### Tote Lifter

#### Depth - Door Closed

1,175 mm (46.26 in)

#### Depth - Door Open

1,834 mm (72.21 in)

#### Maximum Tipper Height

2,560 mm (100.79 in)

2,860 mm (112.60 in)

3,160 mm (124.41 in)

3,460 mm (136.22 in)

#### Features

Designed for North American and European 32-gallon or 64-gallon totes

#### Installation Requirement

24 Volt or 110 Voltage power supply

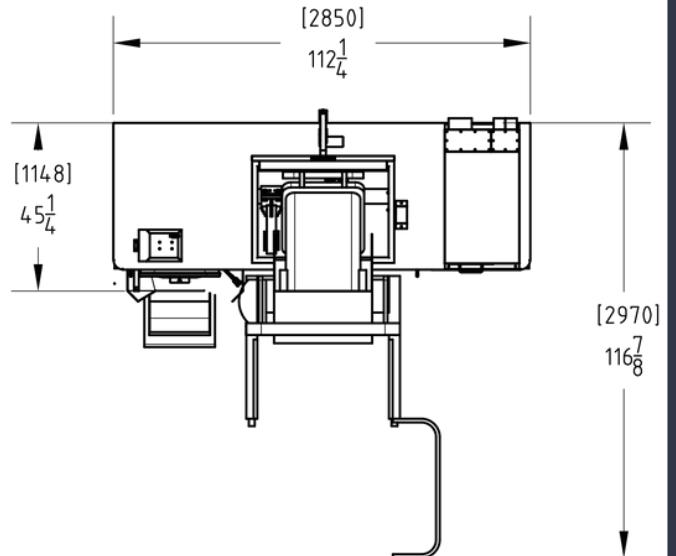
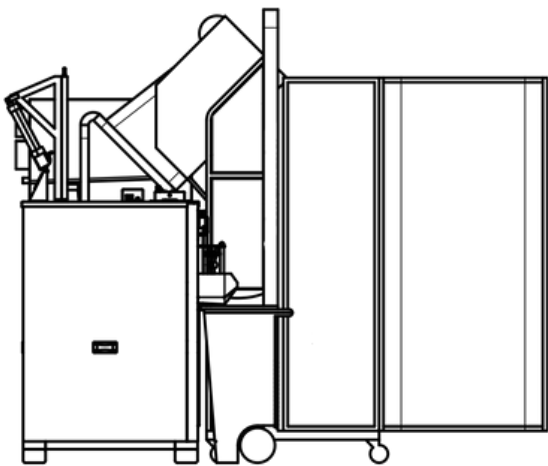
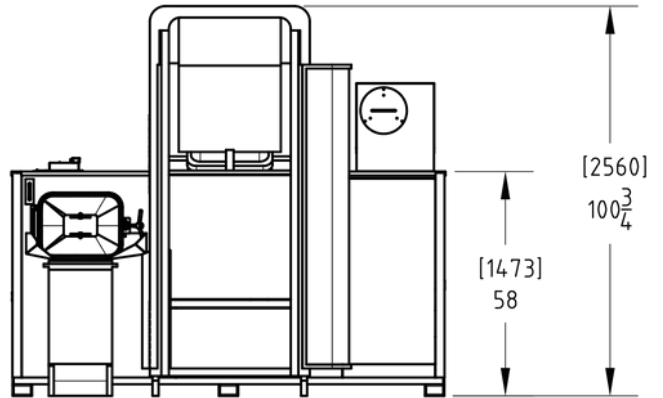
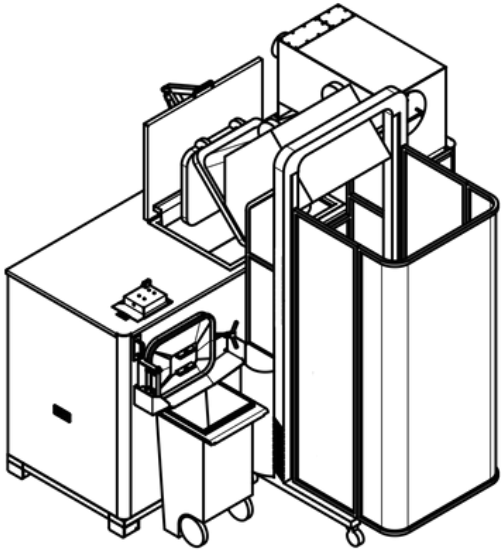
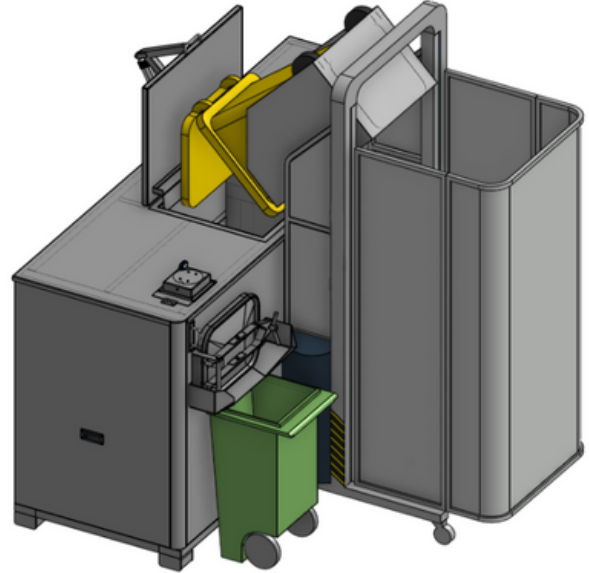
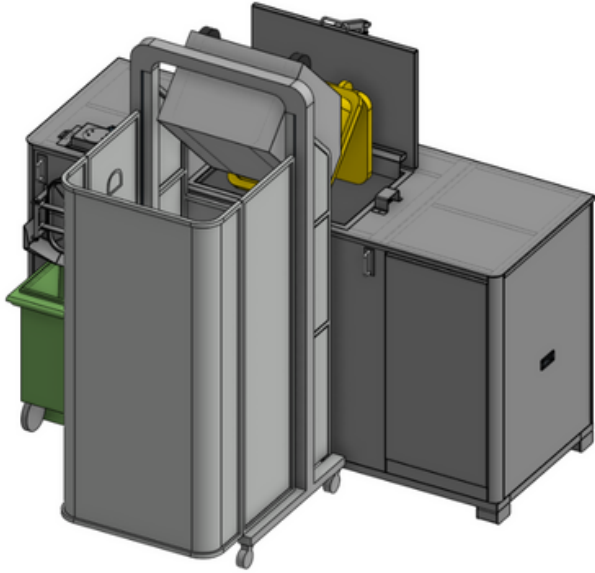
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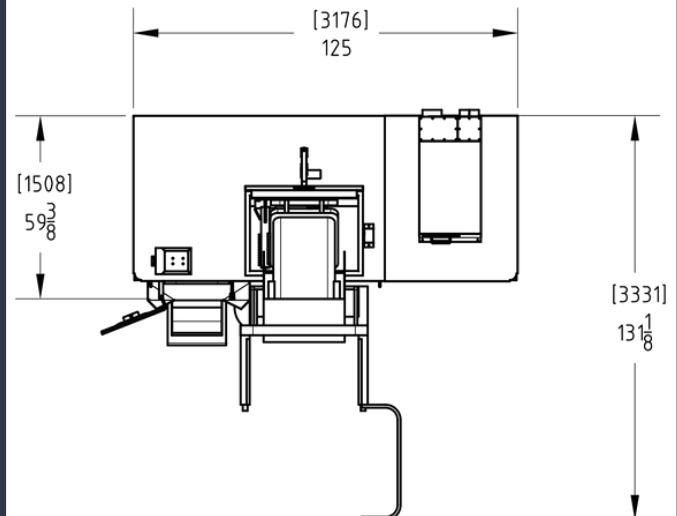
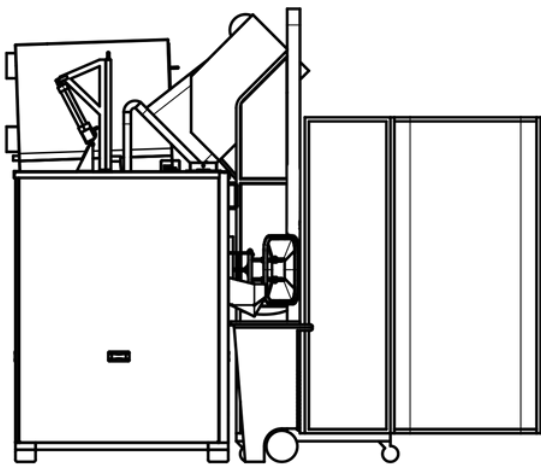
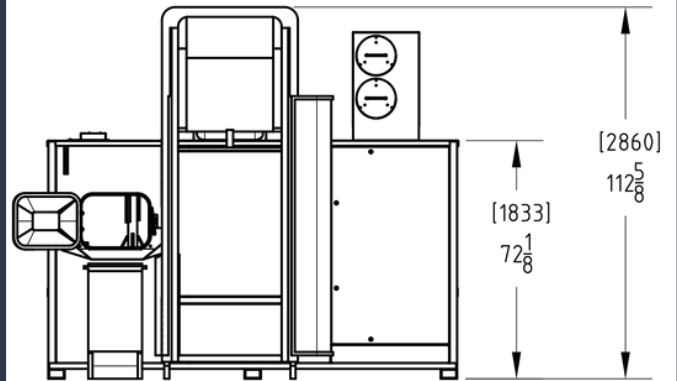
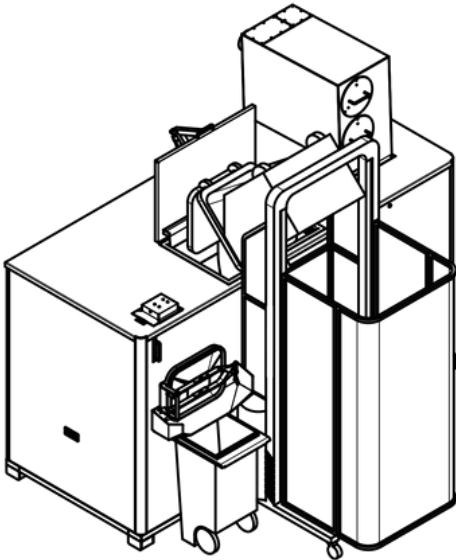
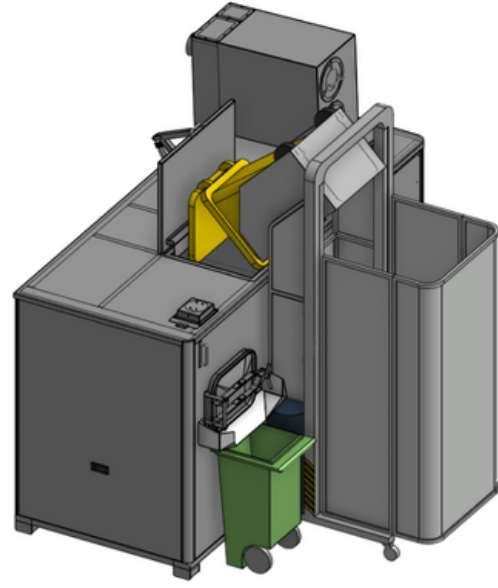
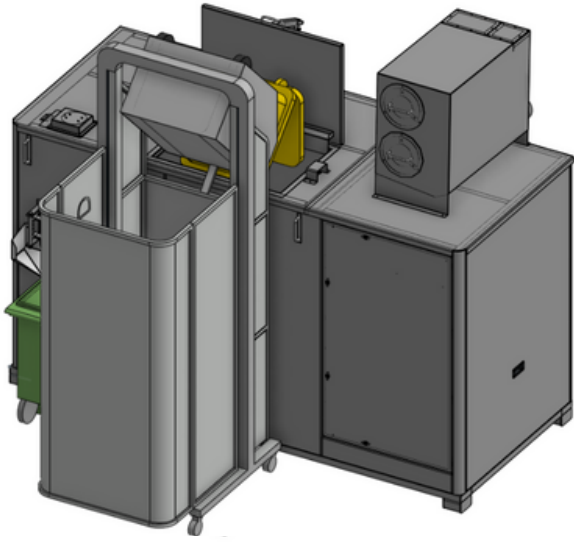
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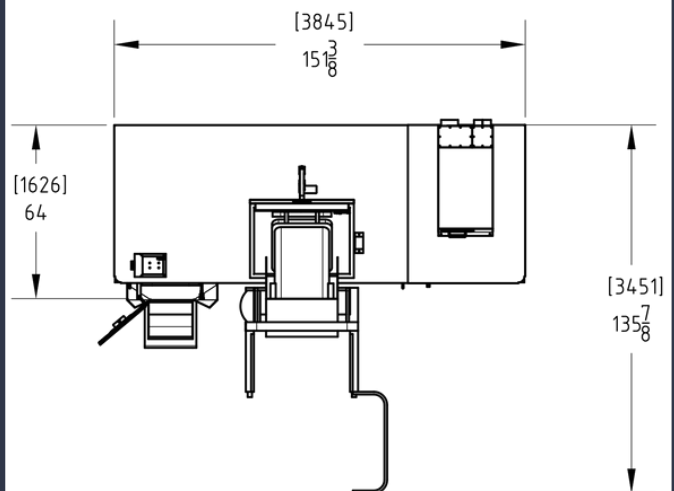
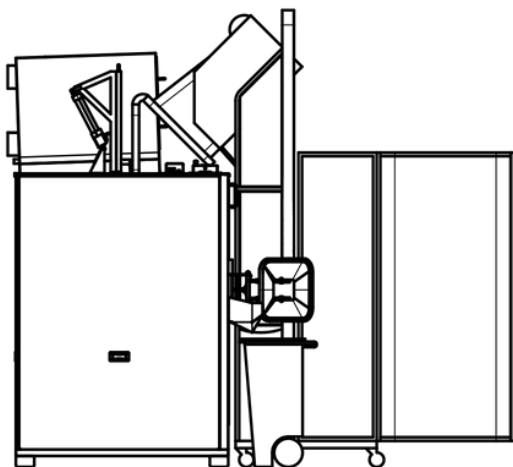
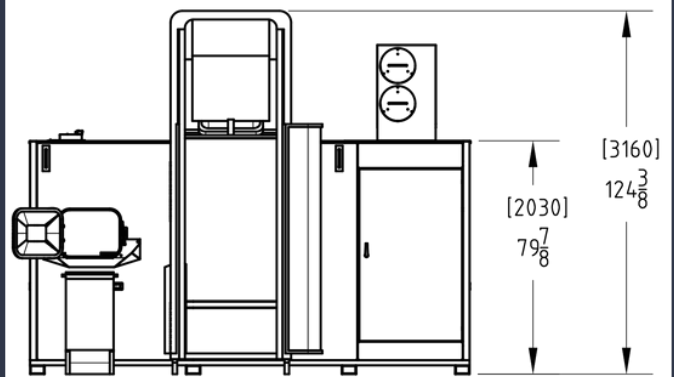
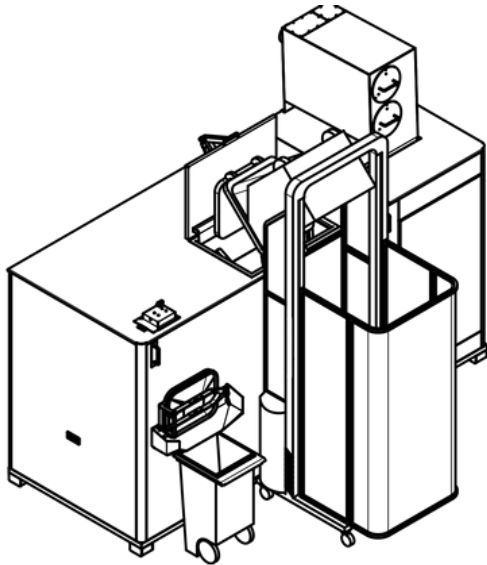
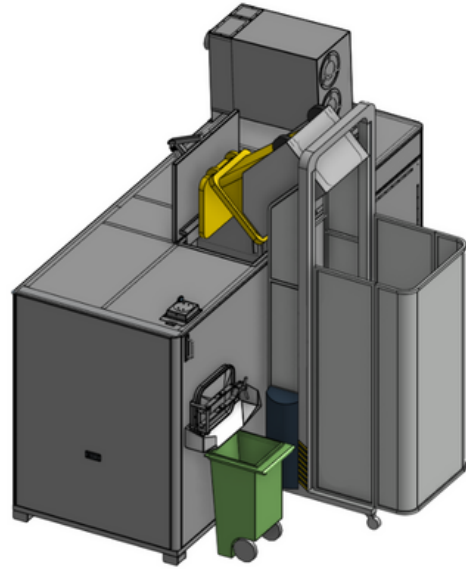
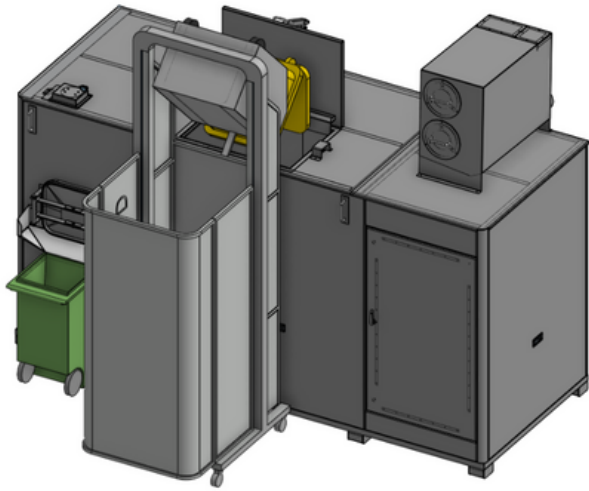
# T100 Full Assembly



# T200 Full Assembly



# T300 Full Assembly



# T500 Full Assembly

