



500 Composter Technical Specifications

1 System Installation Requirement

- Site Power Requirement: 380VAC - 3Phase - 30Amp
 Water Inlet Requirement: Standard water source
 Installation Requirements: Solid level ground avoiding direct sunlight, wind and rain if placed outdoors. Provide space clearance of 600mm at the back, 800mm on the sides and 1000mm to the ceiling. Place near a ventilator or extractor fan if indoors
 Delivery Requirement: Ensure all access doors accommodate dimensions below

2 System Material

- Exterior and internal decomposition chamber including mixer are made of 304 grade stainless steel

3 Power Consumption

- Daily average: 32kWh / day

4 Input / Output Capacity

- Food Waste Input per day: 300kg to 500kg
- Compost Output per day: 25kg (5% of food waste input, 95% reduction)

5 Microbes replacement

- Amount: 300kg - 500kg
- Frequency: Every 4 months
- No other inputs required

6 Processing Time

- Decomposition/Reduction rate is > 92% within 24 hours
- Continuous use supported, not on a per batch basis

7 Heater Details

- Heater Power: 6kW
- Heating Temperature: Ranges from 10 to 70 deg C. Auto cut off at 90 deg C

8 Operating Noise Level

- ≤70dB

9 Dimensions

- 2800mm (Length) x 2200mm (Width) x 2100mm (Height)

10 Weight

- 3500Kg

11 Discharge

- No waste water discharge
- Inbuilt dust removal mechanism limits particle and dust exhaust to ≤ 0.30 mg/m³

12 Technology

- Automated control unit and internal sensors (temperature, weight, humidity, gas levels) to ensure optimal environment for microbial operation
- Automated IoT monitoring system, data collection e.g. weight and report generation

13 Product Support

Terra Sol Pte Ltd will provide product support and warranty against manufacturing defects for a minimum period of 1 year from date of delivery