Compo is a device that is able to manufacture organic fertilizer by processing the organic waste. (Livestock excreta, garbage).

Installation Examples

Shake hands with the Earth

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www.kari.de

Research Greenhouse in Nagoya

KARI FARMING
They are easy-to-use single-tank organic matter processing devices with no need for additional material. The simple treatment process produces high-quality organic fertilizers.

**Fermentation-tank volume**: 86m³  
**Intake bucket volume**: 1.5m³  
**Unit weight**: 26.0t  
**Power frequency**: 50 Hz 60Hz  
**Upper blower**: 2.0 kW 2.2 kW  
**Lower blower**: 23.2 kW 18.0 kW  
**Hydraulic unit**: 7.5 kW  
**Hopper motor**: 0.2 kW  
**Intake-bucket winch motor**: 2.2 kW  
**Exhaust blower**: 2.2 kW 3.7 kW 2.2 kW 3.7 kW  
**Discharge conveyor belt**: 1.5 kW  
**Heater**: 5.0 kW  
**Total excluding heater**: 38.8 kW 40.3 kW 33.8 kW 35.3 kW

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Input object</th>
<th>Output product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pig (78% water content)</td>
<td>9.0t</td>
<td>1.5t</td>
</tr>
<tr>
<td>Poultry (60% water content)</td>
<td>12.0t</td>
<td>3.6t</td>
</tr>
</tbody>
</table>

**Typical Electricity Usage**

Note: Power requirements of auxiliary equipment vary according to the installation method.

Note: Treatment capacities may vary according to season or local.

Heater is necessary when intake air temperature is below 5 degree. Lower blower of S-90 works single or double according to the gravity of input object.

A growing array of measures for the local environment! Because of increased number of compost facilities driven by such factors as growing trends in resource recycling and enactment of legislation related to the proper processing of foodstuff and treatment of livestock dung, deodorizing measures that benefit local residents are becoming imperative. Demand will continue to grow for environment-related equipment, including high-performance deodorizing equipment that confines odors and keeps them from spreading. We offer an array that features many types of such environment-related equipment in step with the times.

<table>
<thead>
<tr>
<th>Environment-related Equipment</th>
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<tbody>
<tr>
<td>Biological deodorization</td>
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<tr>
<td>Water deodorization equipment</td>
</tr>
<tr>
<td>Air heat exchanger scheper system</td>
</tr>
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</table>

Compo S-Series produce high quality organic fertilizer

**Compo S-Series Deodorizations and Heat Exchanger**

Rapid fermentation fertilizer processing device of Compo S-Series treat all organic matter! The solution of environmental problem

**Why Organic Fertilizer**

**Effect of fertilizer test result by lettuce**

<table>
<thead>
<tr>
<th>Without fertilizer</th>
<th>Fertilizer</th>
<th>Premium organic fertilizer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nitrogen (N)</td>
<td>3%</td>
<td>6%</td>
</tr>
<tr>
<td>Phosphorus (P)</td>
<td>3%</td>
<td>5%</td>
</tr>
<tr>
<td>Potassium (K)</td>
<td>3%</td>
<td>4%</td>
</tr>
</tbody>
</table>

What is Premium Organic Fertilizer?

- This is 100% pure organic fertilizer made by our device of S-Series.
- The content is away high compare with ordinary compost.
- Escherichia, salmonella and Seeds are killed in the fermentation process.
- The effective microbes in the soil, control and improve its condition.

**Why Organic Fertilizer**

*Most of organic matter can be treated.

**Input object**

- Bony parts
- Vegetable garbage
- Food garbage
- Grease trap
- Sewage sludge
- Poultry manure
- Cattle manure
- Residue of methane plant
- Residue of water treatment

**Output Product**

- Biological deodorization
- Biological deodorization
- Premium Organic Fertilizer

**Other Sizes on request**

**Main Specification**

Model S-94ET  
**Fermentation-tank volume**: 176m³  
**Intake bucket volume**: 1.5m³  
**Unit weight**: 26.0t  
**Power frequency**: 50 Hz 60Hz  
**Upper blower**: 2.0 kW 2.2 kW  
**Lower blower**: 23.2 kW 18.0 kW  
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**Treatment Capacity per day**

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**Monthly (W/O Heater)**

- 22,014.00kW/M (Double blower)
- 13,662.00kW/M (Single blower)

**Monthly (W Heater)**

- 25,614.00kW/M (Double blower)
- 15,822.00kW/M (Single blower)

**Note**

- The content of micro-elements (Ca, Mg, Fe, Mn, etc.) helps plants by making chlorophyll.
- The content of the organic matter helps effective microbes to increase in the soil.
- Soil doesn’t have harmful effects when it is overdose.

**Inorganic Fertilizer**

- N: Nitrogen (N)  
- P: Phosphorus (P)  
- K: Potassium (K)