PHNIX
Belt Dryer System

PHNIX Belt Dryer System


PHNIX comes up with the most innovative solution for sludge treatment, in particular for municipal sludge and industrial sludge. PHNIX belt sludge drying system uses low temperature dried air to minimize the sludge volume and weight. It can reduce sludge water content effectively from 85% to 10%.

Application: Petrochemical industry, Automotive industry, Pharmaceutical industry, Food and beverages industry, steel manufacturing industry, cosmetic industry, rubber gloves industry, Paper industry, etc.

Technology

- 90% of the heat source will loss in the traditional sludge drying system.
- PHNIX Dehumidification system is a process of recycling the latent heat of the exhaust steam and heat, no heat discharge.

Economical:

1. Energy consumption (heat pump): 300kW.h for evaporating 1ton water
2. Waste energy (hot water, low pressure stream or exhaust air) recycle can significantly reduce the energy amount
3. Reduce wet sludge volume by 67% and weight by 80%. Save transportation and disposal costs.

Environmental:

1. Zero odor emission. No deodorant system required
2. Drive with clean electricity without boiler steam
3. Enclosed system design. No dust removal system required

Automatic:

1. Full automatic control system, no special expertise required to operate.
2. Modular design, stable and easy operation
**Paramete**

<table>
<thead>
<tr>
<th>Model</th>
<th>PHSD1500-S</th>
<th>PHSD3000-S</th>
<th>PHSD4500-S</th>
<th>PHSD6000-S</th>
<th>PHSD7500-S</th>
<th>PHSD9000-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working Power (kW)</td>
<td>25</td>
<td>50</td>
<td>75</td>
<td>100</td>
<td>125</td>
<td>150</td>
</tr>
<tr>
<td>Standard Dehumidification Capacity (T/D)</td>
<td>1.5</td>
<td>3.0</td>
<td>4.5</td>
<td>6.0</td>
<td>7.5</td>
<td>9.0</td>
</tr>
<tr>
<td>Size (mm)</td>
<td>3787<em>2212</em>2610</td>
<td>6000<em>2212</em>2770</td>
<td>8211<em>2212</em>2770</td>
<td>10423<em>2212</em>2770</td>
<td>12635<em>2212</em>2770</td>
<td>14847<em>2212</em>2770</td>
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<tr>
<td>Voltage power</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>380V/50Hz</td>
<td></td>
</tr>
<tr>
<td>Electricity consumption of dehumidify each ton of water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>300</td>
<td></td>
</tr>
</tbody>
</table>

**COMPANY PROFILE**

Guangdong Phnix Technology Co., Ltd. (hereinafter referred to as Phnix) established in 2002, is an international high-tech innovative enterprise focusing on new energy and environmental protection technology. Phnix is a professional manufacturer engaged in research, development, production, sales and service of industrial heat pump dryer, room heating & cooling heat pumps, hot water heat pump solution and swimming pool dehumidifiers. Phnix belt sludge dryer replaces the traditional sludge drying method and has been recognized by the national achievement appraisal.

The products in the industrial field involve high temperature hot water, industrial drying equipment, etc. The application of high temperature heat pump in printing and drying industry has became a typical case of cross-boundary application of heat pump technology. As an international enterprise, PHNIX attaches great importance to high-end overseas markets, exporting more than 50 countries like North America, Europe, Australia, South Africa and other developed regions. Additionally, Phnix is also the biggest swimming heat pump manufacturer in the world.