SUNCUE CIRCULATING MAIZE DRYER

MD-165-150 • MD-165

The low-temp., even and speedy drying minimizes broken grains and produces beautiful kernels.

Parts being worn by grains are made of Stainless Steel, making a long-term professional use dryer.

The dryer is equipped with foolproof design. The grain quality will be consistently high from the 1st, 100th and 1000th batch.

Automatic moisture control prevents over-drying.

Rice husk as a biomass fuel option minimizes drying cost.

<table>
<thead>
<tr>
<th>Heat source</th>
<th>Model</th>
<th>MD-165-150</th>
<th>MD-165</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel</td>
<td>•</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Gas</td>
<td>•</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Steam</td>
<td>•</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Biomass</td>
<td>•</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

Maize

Paddy

Wheat
### SPECIFICATIONS

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>MD-165-150</strong></th>
<th><strong>MD-165-150G</strong></th>
<th><strong>MD-165B</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Max. Thermal Energy</strong></td>
<td>Kerosene or Premium Diesel</td>
<td>LPG</td>
<td>NG</td>
</tr>
<tr>
<td><strong>Maize</strong></td>
<td>1 liter=690g</td>
<td>16.6 kg/hr =233kW</td>
<td>460,000 Kcal/hr</td>
</tr>
<tr>
<td><strong>Paddy</strong></td>
<td>1 liter=560g</td>
<td>230,000 Kcal/hr</td>
<td>27</td>
</tr>
<tr>
<td><strong>Wheat</strong></td>
<td>1 liter=680g</td>
<td>230,000 Kcal/hr</td>
<td>27</td>
</tr>
</tbody>
</table>

### Dimension

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>MD-165</strong></th>
<th><strong>MD-165-150S</strong></th>
<th><strong>MD-165-150S-7</strong></th>
<th><strong>MD-165S-7</strong></th>
<th><strong>MD-165S-12</strong></th>
<th><strong>MD-165-150B</strong></th>
<th><strong>MD-165B</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>L(A)×W(B)×H(C) mm</strong></td>
<td>5,341×3,626×9,661</td>
<td>5,341×3,626×10,272</td>
<td>5,341×3,930×10,272</td>
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</tr>
</tbody>
</table>

### Function

- **Drying Rate**
  - **Paddy, Wheat**
  - **Maize**

- **Discharging Approx. min**
  - **Paddy, Wheat**
  - **Maize**

- **Loading Approx. min**
  - **Paddy, Wheat**
  - **Maize**

### Applicable area

- **Applicable region**
  - **Regular**
  - **Regular, Cold, Frigid**

### Applicable grains

- **Paddy, Wheat**
- **Maize**

### Temp. increase range

- **Approx. ambient temp.**
  - **Maize +14~49°C**
  - **Paddy +25~72°C**

### Boiler capacity

- **Approx. ton/hr**
  - **1.0**
  - **1.0**

### Boiler pressure

- **Approx. kgf/cm²**
  - **7**

### Power Consumption

- **kW**
  - **11**

### Safety Devices

- **Thermo-over relay, Air pressure switch, Full load buzzer, Timer, Control fuse, Burner flame sensor, Over-heat sensor**

### Service Center

- **SUNCUE COMPANY LTD.**
  - **No.396, Minsheng Rd., Wuqin Dist., Tachung City 41946, Taiwan, R.O.C.**
  - **+886-4-2339-7171**
  - **+886-4-2330-2939**
  - **www.suncue.com**
  - **sales@suncue.com**

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### Notes

- **Above numbers and drying rate are derived from reducing moisture in paddy from 30% to 15%, wheat from 30% to 12.5%** for reference only. Actual results vary among different ambient temperature, relative humidity, grain varieties, hot air temperature, moisture content before and after drying.
- **Please apply low hot air temperature for drying paddy, wheat, maize in order to reduce breakage rate.**
- **Gas pipe lines have to be built by certified local professionals. NEVER do it by yourself.**
- **The specifications of burner shown above are Japanese standard (Thermal energy: NG 11,000 Kcal/m³; LPG 12,000 Kcal/kg). Please consult with SUNCUE for burner with CE standard.**
- **The density, composition and pressure of natural gas vary at different locations, thus thermal energy per m³ also varies. Ex: 8,900kcal/m³ in Taiwan, 11,000kcal/m³ in Japan, 8,400kcal/m³ in Sichuan province of China.**
- **Only use kerosene or premium diesel or diesel conformed to national standards. Please choose good quality diesel that can completely reporte according to ambient temperature.**
- **Boiler is a dangerous device. It should be installed in a boiler house and operated by professionally-trained personnel with official license by laws. The operation must obey local government regulations.**

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**DMD-200504-EN**