GRADER DELTA 122

GENERAL

Brand Cimbria
Designation Flat-screen grader
Model DELTA 122
Use Industry
Application Size grading of cereal grains, pulses, oilseeds, and similar seeds intended for seed.

PERFORMANCE

<table>
<thead>
<tr>
<th>Material</th>
<th>Bulk density t/m³</th>
<th>Moisture content %</th>
<th>Capacity t/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>0.68</td>
<td>14</td>
<td>1.5</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14</td>
<td>0.8–1.6</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14</td>
<td>1–2</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14</td>
<td>1</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14</td>
<td>1–2</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14</td>
<td>2</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14</td>
<td>1.5</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14</td>
<td>0.4</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14</td>
<td>1.5</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14</td>
<td>1–2</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>7–9</td>
<td>0.5–1.5</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
<td>1.5</td>
</tr>
</tbody>
</table>

Note: Capacities are for grading three to four fractions. Capacities may vary for different number of grades.

OPERATING SPEED

- Shaker feeder (shaft): 140–700 rpm
- Screens (shaft), fixed speed: 280–285 rpm
- Screens (shaft), variable speed: 260–320 rpm

ELECTRICAL RATINGS

- Motor, shaker feeder: 0.75 kW
- Motor, screens: 1.5 kW

AIR SUPPLY AND EXTRACTION

- Aspiration volume: 500–1 500 m³/h

DYNAMIC LOADS

- Horizontal load “Ph”: ±200 N @ 4.6–4.8 Hz
- Vertical load “Pv1” (inlet end): ±1 000 N @ 4.6–4.8 Hz
- Vertical load “Pv2” (outlet end): ±1 000 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

- Sound pressure level, empty: 79.3 dB(A)

COMPLIANCE

- EU machinery legislation: Yes
- EU ATEX legislation: Option*
- EU food contact legislation: Option*

* Consult your Cimbria dealer for full details.

ENVIRONMENTAL CONDITIONS

- Environment: Indoors
- Temperature: From -20°C to +40°C
- Altitude: Up to 800 m

SURFACE PROTECTION

- Frame and enclosure: Paint (corrosivity category C2; low durability)

LIFETIME

- Intended life limit: 20 years

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