CLEANER DELTA 112

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA 112
Use Industry
Application Fine cleaning or industrial cleaning of cereal grains and other grass seeds, pulses, and oilseeds 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 (15)</td>
<td>1.75 (5)</td>
</tr>
<tr>
<td>Clover</td>
<td>0.82</td>
<td>14 (15)</td>
<td>1</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14 (15)</td>
<td>2 (2)</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14 (15)</td>
<td>1.5 (2.5)</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14 (15)</td>
<td>1.5 (2)</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14 (15)</td>
<td>2 (2–3)</td>
</tr>
<tr>
<td>Rapeseed</td>
<td>0.74</td>
<td>7–9</td>
<td>1.5 (2)</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>14 (15)</td>
<td>1.5 (1.5–2)</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14 (15)</td>
<td>2 (3)</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14 (15)</td>
<td>1.75 (3–5)</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14 (15)</td>
<td>0.4</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14 (15)</td>
<td>1.75 (5)</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14 (15)</td>
<td>2 (2–3)</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>7–9</td>
<td>1 (1)</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14 (15)</td>
<td>2 (3–5)</td>
</tr>
</tbody>
</table>

Note: Values in parentheses are for industrial cleaning. Other values are for fine cleaning. Capacities may vary for different impurity and moisture contents.

WEIGHT
Weight, empty 1 600 kg
Weight, operating (wheat) 1 640 kg
Weight, choked (wheat) 2 750 kg

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
Control panel 110–230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume 4 500 m³/h

DYNAMIC LOADS
Horizontal load "Ph" ±745 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end) ±544 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end) ±544 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