CLEANER DELTA 146

GENERAL
Brand: Cimbria
Designation: Air-screen cleaner
Model: DELTA 146
Use: Industry
Application: Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

PERFORMANCE

<table>
<thead>
<tr>
<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>20 (15)</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Malt</td>
<td>0.52</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Rapeaedd</td>
<td>0.74</td>
<td>20 (7–9)</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>14 (7–9)</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>20/15 (15)</td>
</tr>
</tbody>
</table>

Note: Values in parentheses are for industrial cleaning. Other values are for pre cleaning.

WEIGHT

- Weight, empty: 3,040 kg
- Weight, operating (wheat): 3,260 kg
- Weight, choked (wheat): 7,765 kg

OPERATING SPEED

- Feed roller: 30–164 rpm
- Shaker feeder (shaft): 140–700 rpm
- Screens (shaft): 300 rpm

ELECTRICAL RATINGS

- Motor, feed roller: 1.1 kW
- Motor, shaker feeder: 0.75 kW
- Motor, screens: 2.2 kW

AIR SUPPLY AND EXTRACTION

Aspiration volume: 11,000–15,000 m³/h

DYNAMIC LOADS

- Horizontal load “Ph*: ±993 N @ 4.6–4.8 Hz
- Vertical load “Pv1” (inlet end): ±2,675 N @ 4.6–4.8 Hz
- Vertical load “Pv2” (outlet end): ±2,675 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

Sound pressure level, empty: 73.4 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