CLEANER DELTA 143.2

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA 143.2
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 0.68</td>
<td>20 (15)</td>
<td>45 (25)</td>
</tr>
<tr>
<td>Coffee, green    0.65</td>
<td>20 (15)</td>
<td>16–27 (18)</td>
</tr>
<tr>
<td>Maize 0.71</td>
<td>20 (15)</td>
<td>36 (18)</td>
</tr>
<tr>
<td>Malt 0.52</td>
<td>20 (15)</td>
<td>20 (15)</td>
</tr>
<tr>
<td>Oats 0.51</td>
<td>20 (15)</td>
<td>27 (4)</td>
</tr>
<tr>
<td>Peas, common     0.7</td>
<td>20 (15)</td>
<td>36 (12–20)</td>
</tr>
<tr>
<td>Rapeaeed 0.74</td>
<td>20 (7–9)</td>
<td>35 (20)</td>
</tr>
<tr>
<td>Rice, paddy      0.51</td>
<td>20 (15)</td>
<td>18–25 (4)</td>
</tr>
<tr>
<td>Rice, white      0.75</td>
<td>20 (15)</td>
<td>36</td>
</tr>
<tr>
<td>Rye 0.69</td>
<td>20 (15)</td>
<td>45 (25)</td>
</tr>
<tr>
<td>Sorghum 0.64</td>
<td>20 (15)</td>
<td>45 (25)</td>
</tr>
<tr>
<td>Soybeans 0.72</td>
<td>20 (15)</td>
<td>36 (12–20)</td>
</tr>
<tr>
<td>Sunflower 0.4</td>
<td>14 (7–9)</td>
<td>15 (15)</td>
</tr>
<tr>
<td>Wheat 0.76</td>
<td>20/15 (15)</td>
<td>45/45 (25)</td>
</tr>
</tbody>
</table>

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

WEIGHT
- Weight, empty 1 935 kg
- Weight, operating (wheat) 2 310 kg
- Weight, choked (wheat) 3 400 kg

OPERATING SPEED
- Shaker feeder (shaft) 140–700 rpm
- Screens (shaft) 300 rpm

ELECTRICAL RATINGS
- Motor, shaker feeder 0.75 kW
- Motor, screens 2.2 kW

AIR SUPPLY AND EXTRACTION
- Aspiration volume 10 600 m³/h

DYNAMIC LOADS
- Horizontal load “Ph” ±2 353 N @ 4.6–4.8 Hz
- Vertical load “Pv1” (inlet end) ±2 720 N @ 4.6–4.8 Hz
- Vertical load “Pv2” (outlet end) ±1 367 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

DIMENSIONS
- Screen area, total 7 m²
- Screen size 1 250x800 mm (7 pcs)
- Overall length 3 309 mm
- Overall height 2 273 mm
- Overall width 1 965 mm

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