CLEANER DELTA 144.2

GENERAL
Brand
Designation
Model
Use
Application
Cimbria
Air-screen cleaner
DELTA 144.2
Industry
Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

PERFORMANCE

<table>
<thead>
<tr>
<th></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>20 (15)</td>
<td>50 (32)</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>20 (15)</td>
<td>18–30 (20)</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>20 (15)</td>
<td>40 (26)</td>
</tr>
<tr>
<td>Malt</td>
<td>0.52</td>
<td>20 (15)</td>
<td>25 (20)</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>20 (15)</td>
<td>30 (8)</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>20 (15)</td>
<td>40 (18–25)</td>
</tr>
<tr>
<td>Rapeaeed</td>
<td>0.74</td>
<td>20 (7–9)</td>
<td>40 (20)</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>20 (15)</td>
<td>22–25 (8)</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>20 (15)</td>
<td>40</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>20 (15)</td>
<td>50 (32)</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>20 (15)</td>
<td>50 (32)</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>20 (15)</td>
<td>40 (18–25)</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>14 (7–9)</td>
<td>15 (15)</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>20/15 (15)</td>
<td>50/50 (32)</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 2 140 kg
Weight, operating (wheat) 2 560 kg
Weight, choked (wheat) 4 325 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” ±4 070 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±3 506 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±2 471 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