GRADER DELTA 126

GENERAL
Brand: Cimbria
Designation: Flat-screen grader
Model: DELTA 126
Use: Industry
Application: Size grading of cereal grains, pulses, oilseeds, and similar seeds intended for seed.

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: 2.2 kW

AIR SUPPLY AND EXTRACTION
Aspiration volume: 1 000–2 500 m³/h

DYNAMIC LOADS
Horizontal load “Ph”: ±1 752 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end): ±1 434 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end): ±1 582 N @ 4.6–4.8 Hz
Note: Dynamic loads are for normal operation.

NOISE
Sound pressure level, empty: 81.6 dB(A)
Sound power level, empty: 96.1 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

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>7</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14</td>
<td>3–6</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14</td>
<td>3–6</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14</td>
<td>4–6</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14</td>
<td>5</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14</td>
<td>2.2</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14</td>
<td>4–6</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>9</td>
<td>1.5–3</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
<td>7</td>
</tr>
</tbody>
</table>

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

DIMENSIONS
Screen area, total: 15 m²
Screen size: 1 250×800mm (15 pcs)
Overall length: 3 750 mm
Overall height: 2 751 mm
Overall width: 1 790 mm

WEIGHT
Weight, empty: 2 150 kg
Weight, operating (wheat): 2 350 kg
Weight, choked (wheat): 5 775 kg