# GRADER DELTA 124

## GENERAL
- **Brand**: Cimbria
- **Designation**: Flat-screen grader
- **Model**: DELTA 124
- **Use**: Industry
- **Application**: Size grading of cereal grains, pulses, oilseeds, and similar seeds intended for seed.

## PERFORMANCE

<table>
<thead>
<tr>
<th>Bulk density t/m²</th>
<th>Moisture content %</th>
<th>Capacity t/h</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barley</td>
<td>0.68</td>
<td>14</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>9</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
</tr>
</tbody>
</table>

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

## 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

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

## DYNAMIC LOADS
- **Horizontal load “Ph”**: ±123 N @ 4.6–4.8 Hz
- **Vertical load “Pv1” (inlet end)**: ±1 075 N @ 4.6–4.8 Hz
- **Vertical load “Pv2” (outlet end)**: ±1 075 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