GRADER DELTA 128

GENERAL
Brand Cimbria
Designation Flat-screen grader
Model DELTA 128
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 3 kW

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

DYNAMIC LOADS
Horizontal load “Ph” ±3 661 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±2 787 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±2 689 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>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 15</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14 6–12</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14 8–12</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14 10</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14 8–12</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14 8–12</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14 15</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14 4</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14 15</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14 8–12</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>9 2.5–4</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14 15</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 24 m²
Screen size 1 250×800mm (24 pcs)
Overall length 3 705 mm
Overall height 3 586 mm
Overall width 1 981 mm

WEIGHT
Weight, empty 4 030 kg
Weight, operating (wheat) 4 450 kg
Weight, choked (wheat) 9 530 kg

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