CLEANER DELTA 116

**GENERAL**
- **Brand**: Cimbria
- **Designation**: Air-screen cleaner
- **Model**: DELTA 116
- **Use**: Industry
- **Application**: Fine cleaning or industrial cleaning of cereal grains and other grass seeds, 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</td>
<td>0.68</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Clover</td>
<td>0.82</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Rapeseed</td>
<td>0.74</td>
<td>7–9</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>14 (15)</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14 (15)</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 (15)</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 (15)</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>7–9</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14 (15)</td>
</tr>
</tbody>
</table>

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

**WEIGHT**
- Weight, empty: 2 800 kg
- Weight, operating (wheat): 3 000 kg
- Weight, choked (wheat): 6 420 kg

**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
- Control panel: 110–230 V

**AIR SUPPLY AND EXTRACTION**
- Aspiration volume: 11 000 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