CLEANER DELTA SUPER 104

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA Super 104
Use Industry
Application Fine 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</td>
</tr>
<tr>
<td>Clover</td>
<td>0.82</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>Rapeseed</td>
<td>0.74</td>
<td>7–9</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</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>7–9</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
</tr>
</tbody>
</table>

Note: Capacities may vary for different impurity and moisture contents.

WEIGHT
Weight, empty 3 000 kg
Weight, operating (wheat) 3 085 kg
Weight, choked (wheat) 5 300 kg

OPERATING SPEED
Shaker feeder (shaft) 140–700 rpm
Screens (shaft), fixed speed 280–285 rpm
Screens (shaft), variable speed 260–320 rpm
Aspiration fan, 2.2 kW motor 65–750 rpm
Aspiration fan, 3 kW motor 65–850 rpm

ELECTRICAL RATINGS
Motor, shaker feeder 0.75 kW
Motor, screens 1.5 kW
Motor, aspiration fan 2.2 kW or 3 kW
Control panel 110–230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume 8 200 m³/h

DYNAMIC LOADS
Horizontal load “Ph” ±123 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±1 115 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±1 115 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