CLEANER DELTA SUPER 107

GENERAL
Brand: Cimbria
Designation: Air-screen cleaner
Model: DELTA Super 107
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 0.68</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>Clover 0.82</td>
<td>14</td>
<td>6</td>
</tr>
<tr>
<td>Coffee, green 0.65</td>
<td>14</td>
<td>12–14</td>
</tr>
<tr>
<td>Maize 0.71</td>
<td>14</td>
<td>9–16</td>
</tr>
<tr>
<td>Oats 0.51</td>
<td>14</td>
<td>10–12</td>
</tr>
<tr>
<td>Peas, common 0.7</td>
<td>14</td>
<td>12–15</td>
</tr>
<tr>
<td>Rapeseed 0.74</td>
<td>7–9</td>
<td>12</td>
</tr>
<tr>
<td>Rice, paddy 0.51</td>
<td>14</td>
<td>7–8.5</td>
</tr>
<tr>
<td>Rice, white 0.75</td>
<td>14</td>
<td>14</td>
</tr>
<tr>
<td>Rye 0.69</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>Ryegrass 0.3</td>
<td>14</td>
<td>3</td>
</tr>
<tr>
<td>Sorghum 0.64</td>
<td>14</td>
<td>16</td>
</tr>
<tr>
<td>Soybeans 0.72</td>
<td>14</td>
<td>12–15</td>
</tr>
<tr>
<td>Sunflower 0.4</td>
<td>7–9</td>
<td>5–8</td>
</tr>
<tr>
<td>Wheat 0.76</td>
<td>14</td>
<td>18</td>
</tr>
</tbody>
</table>

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

WEIGHT
Weight, empty: 4 080 kg
Weight, operating (wheat): 4 410 kg
Weight, choked (wheat): 8 710 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: 2.2 kW
Motor, aspiration fan: 2.2 kW or 3 kW
Control panel: 110–230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume: 11 000 m³/h

DYNAMIC LOADS
Horizontal load "Ph": ±2 845 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end): ±890 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end): ±825 N @ 4.6–4.8 Hz

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