CIMBRIA MANUFACTURING A/S
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CLEANER DELTA SUPER 106

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA Super 106
Use Industry
Application Fine cleaning of cereal grains and other grass seeds, pulses, and oilseeds intended for seed.

PERFORMANCE

<table>
<thead>
<tr>
<th></th>
<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>
<td>11</td>
</tr>
<tr>
<td>Clover</td>
<td>0.82</td>
<td>14</td>
<td>4</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>14</td>
<td>6–9</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>14</td>
<td>7</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>14</td>
<td>9–10</td>
</tr>
<tr>
<td>Rapeseed</td>
<td>0.74</td>
<td>7–9</td>
<td>8</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>14</td>
<td>5–7</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>14</td>
<td>9</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>Ryegrass</td>
<td>0.3</td>
<td>14</td>
<td>2.2</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>14</td>
<td>11</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>14</td>
<td>9–10</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>7–9</td>
<td>3.5–4.5</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>14</td>
<td>12</td>
</tr>
</tbody>
</table>

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

WEIGHT
Weight, empty 3 655 kg
Weight, operating (wheat) 3 855 kg
Weight, choked (wheat) 7 280 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” ±1 752 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±1 060 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±1 160 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