CLEANER DELTA MEGA 168.2

GENERAL
Brand: Cimbria
Designation: Air-screen cleaner
Model: DELTA Mega 168.2
Use: Industry
Application: Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

PERFORMANCE

<table>
<thead>
<tr>
<th>Material</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>20 (15)</td>
<td>400 (240)</td>
</tr>
<tr>
<td>Coffee, green</td>
<td>0.65</td>
<td>20 (15)</td>
<td>80–150 (140)</td>
</tr>
<tr>
<td>Maize</td>
<td>0.71</td>
<td>20 (15)</td>
<td>400 (240)</td>
</tr>
<tr>
<td>Malt</td>
<td>0.52</td>
<td>20 (15)</td>
<td>180 (140)</td>
</tr>
<tr>
<td>Oats</td>
<td>0.51</td>
<td>20 (15)</td>
<td>150 (50)</td>
</tr>
<tr>
<td>Peas, common</td>
<td>0.7</td>
<td>20 (15)</td>
<td>300 (120–300)</td>
</tr>
<tr>
<td>Rapeseed</td>
<td>0.74</td>
<td>20 (7–9)</td>
<td>400 (120)</td>
</tr>
<tr>
<td>Rice, paddy</td>
<td>0.51</td>
<td>20 (15)</td>
<td>100–150 (50–70)</td>
</tr>
<tr>
<td>Rice, white</td>
<td>0.75</td>
<td>20 (15)</td>
<td>300 (50)</td>
</tr>
<tr>
<td>Rye</td>
<td>0.69</td>
<td>20 (15)</td>
<td>400 (240)</td>
</tr>
<tr>
<td>Sorghum</td>
<td>0.64</td>
<td>20 (15)</td>
<td>400 (240)</td>
</tr>
<tr>
<td>Soybeans</td>
<td>0.72</td>
<td>20 (15)</td>
<td>350 (120–300)</td>
</tr>
<tr>
<td>Sunflower</td>
<td>0.4</td>
<td>14 (7–9)</td>
<td>120 (100–120)</td>
</tr>
<tr>
<td>Wheat</td>
<td>0.76</td>
<td>20/15 (15)</td>
<td>400/450 (240)</td>
</tr>
</tbody>
</table>

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

WEIGHT
Weight, empty: 12 200 kg
Weight, operating (wheat): 13 300 kg
Weight, choked (wheat): 29 500 kg

OPERATING SPEED
Shaker feeder (shaft): 95–475 rpm
Screens (shaft): 280–285 rpm

ELECTRICAL RATINGS
Motor, shaker feeder: 2.2 kW
Motor, screens: 5.5 kW
Motor, screws: 1.5 kW
Control panel: 110-230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume: 20 400–24 400 m³/h

DYNAMIC LOADS
Horizontal load “Ph”: ±1 018 N @ 4.8 Hz
Vertical load “Pv1” (inlet end): ±7 139 N @ 4.8 Hz
Vertical load “Pv2” (outlet end): ±7 139 N @ 4.8 Hz
Note: Dynamic loads are for normal operation.

NOISE
Sound pressure level, empty: 77.6 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

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