CLEANER DELTA 142.1

GENERAL
Brand: Cimbria
Designation: Air-screen cleaner
Model: DELTA 142.1
Use: Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

WEIGHT
- Weight, empty: 1,610 kg
- Weight, operating (wheat): 1,860 kg
- Weight, choked (wheat): 3,160 kg

OPERATING SPEED
- Shaker feeder (shaft): 140–700 rpm
- Screens (shaft): 300 rpm

ELECTRICAL RATINGS
- Motor, shaker feeder: 0.75 kW
- Motor, screens: 1.5 kW

AIR SUPPLY AND EXTRACTION
- Aspiration volume: 6,400 m³/h

PERFORMANCE
- Bulk density: t/m³
- Moisture content: %
- Capacity: t/h

<table>
<thead>
<tr>
<th></th>
<th>Barley</th>
<th>Coffee, green</th>
<th>Maize</th>
<th>Malt</th>
<th>Oats</th>
<th>Peas, common</th>
<th>Rapeseed</th>
<th>Rice, paddy</th>
<th>Rice, white</th>
<th>Rye</th>
<th>Sorghum</th>
<th>Soybeans</th>
<th>Sunflower</th>
<th>Wheat</th>
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<tbody>
<tr>
<td>Barley</td>
<td>0.68</td>
<td>20 (15)</td>
<td>30 (18)</td>
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<td>0.76</td>
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<tr>
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<td>20 (15)</td>
<td>12–18 (12)</td>
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<td>Maize</td>
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<td>24 (10)</td>
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<td>10 (10)</td>
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<td>30/35 (18)</td>
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Note: Capacities may vary for different impurity and moisture contents.
Legend: Values in parentheses are for industrial cleaning. Other values are for pre-cleaning.

DIMENSIONS
- Screen area, total: 5 m²
- Screen size: 250×800 mm (5 pcs)
- Overall length: 2,449 mm
- Overall height: 2,271 mm
- Overall width: 1,925 mm

ELECTRICAL RATINGS
- Motor, shaker feeder: 0.75 kW
- Motor, screens: 1.5 kW

AIR SUPPLY AND EXTRACTION
- Aspiration volume: 6,400 m³/h

DYNAMIC LOADS
- Horizontal load “Ph”: ±2,621 N @ 4.6–4.8 Hz
- Vertical load “Pv1” (inlet end): ±3,171 N @ 4.6–4.8 Hz
- Vertical load “Pv2” (outlet end): ±1,657 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE
- Sound pressure level, empty: 73.4 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