Cimbria DELTA 118 has been developed for high quality fine cleaning of malting barley, seed grain, legumes, grass and garden seeds.

The machine’s efficient screen system with its accurately matched stroke and frequency, is complemented by Cimbria’s highly developed pre- and after suction system.

1. **Inlet**
   - Optimal feed over the width of the machine is achieved by a shaker feeder with stepless adjustment via frequency regulation.

2. **Shaker feeder**
   - Ensures an uniform feeding on the entire width of the machine also when cleaning difficult flowing products, i.e. grass seed, in addition the shaker feeder also prevent the product from flowing when the shaker feeder has stopped.

3. **Adjustable feed gate**
   - The feed gate will only be adjusted when the opening need to be bigger due to difficult flowing products, i.e. grass seed.

4. **Pre-suction**
   - With finely adjustable suction intake directly under the feed gate for effective removal of fine particles.

5. **Screens**
   - (LxW = 800x1250 mm) can be employed as sieves, sorters or graders, and are effectively kept clean by rubber balls in newly developed ball boxes. It is not necessary to take out the ball boxes when changing screens.

6. **Eccentric drive system for screen boats**
   - Supplied standard with fixed speed or alternative frequency regulation.

7. **After suction**
   - Light particles are sucked out of the product flow on the air screen and lead through the lifting air channel to the expansion chamber, from where they are extracted by screw conveyor.

8. **False air intakes (2)**
   - For adjustment of air quantity in both the pre- and after suction systems.

9. **Adjustment**
   - Remote control of integral motor for shaker feeder, pre suction, after suction and air velocity. The adjustment of the above is placed in a small control box, which is placed on the cleaner.

### Capacity based on 15% H₂O:

<table>
<thead>
<tr>
<th>Description</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>10% removal to EU Standard 90+8+2</td>
<td></td>
</tr>
<tr>
<td>Wheat, Rye, Sorghum, Malting barley</td>
<td>30.0 t/h</td>
</tr>
<tr>
<td>Oats, Maize, white Rice</td>
<td>20.0 t/h</td>
</tr>
<tr>
<td>Soya, Peas, Rape, Coffee</td>
<td>20.0 t/h</td>
</tr>
<tr>
<td>Paddy rice</td>
<td>15.0 t/h</td>
</tr>
<tr>
<td>Sunflower and roasted Coffee</td>
<td>10.0-11.0 t/h</td>
</tr>
<tr>
<td>Rye grass, clover</td>
<td>4.0-5.0 t/h</td>
</tr>
</tbody>
</table>

### Dimensions and weight:

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Machine height</td>
<td>3590 mm</td>
</tr>
<tr>
<td>Machine length</td>
<td>3905 mm</td>
</tr>
<tr>
<td>Machine width</td>
<td>1855 mm</td>
</tr>
<tr>
<td>Height, standard inlet hopper</td>
<td>532 mm</td>
</tr>
<tr>
<td>Screen area:</td>
<td>24.0 m²</td>
</tr>
</tbody>
</table>

### Square outlet pipes:

- (Adapter to round available)
  - a) from screens: 160 x 160 mm
  - b) from expansion chamber: 240 x 240 mm

### Motors (standard):

- Shaker feeder (integral): 0.75 kW
- Top ventilator (optional): 7.5 - 11.0 kW

### Air volume:

- Pre- and after suction: 11000-14000 m³

### Total weight of cleaner:

- Without top ventilator: 4600 kg
- Freight volume: 29 m³

### Dynamic loading at 4.6 - 4.8 Hz:

- PH=+/−3681N
- P\(_{V1}\)=+/−2787N
- P\(_{V2}\)=+/−2689N

- 10N=1kg

Technical data can vary for certain of the above due to continued development, or a different machine composition.

This DELTA machine can, in a few minutes, be converted to different cleaning programmes, e.g.:

- Beans, lupine seed, maize
- Oats, wheat
- Rye grass
- Rape, peas, lentils

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