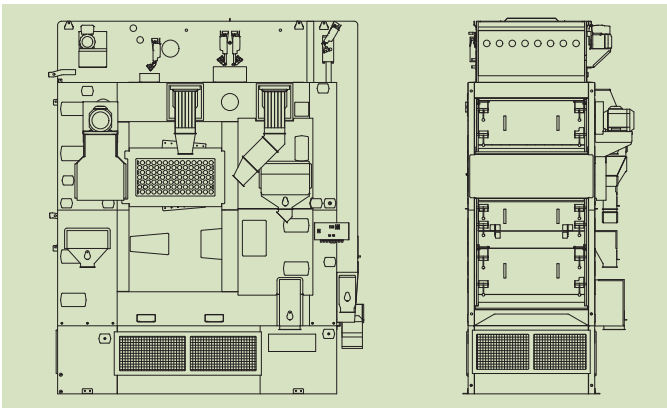


# CLEANER DELTA SUPER 108

## GENERAL

|             |   |
|-------------|---|
| Brand       | Cimbria   |
| Designation | Air-screen cleaner  |
| Model       | DELTA Super 108   |
| Use         | Industry  |
| Application | Fine cleaning of cereal grains and other grass seeds, pulses, and oilseeds intended for seed. |



## PERFORMANCE

|               | Bulk density<br>t/m <sup>3</sup> | Moisture<br>content % | Capacity<br>t/h |
|---------------|----------------------------------|-----------------------|-----------------|
| Barley        | 0.68                             | 14                    | 22              |
| Clover        | 0.82                             | 14                    | 8               |
| Coffee, green | 0.65                             | 14                    | 20              |
| Maize         | 0.71                             | 14                    | 14–20           |
| Oats          | 0.51                             | 14                    | 16              |
| Peas, common  | 0.7                              | 14                    | 20              |
| Rapeseed      | 0.74                             | 7–9                   | 15              |
| Rice, paddy   | 0.51                             | 14                    | 10–12           |
| Rice, white   | 0.75                             | 14                    | 20              |
| Rye           | 0.69                             | 14                    | 22              |
| Ryegrass      | 0.3                              | 14                    | 4               |
| Sorghum       | 0.64                             | 14                    | 22              |
| Soybeans      | 0.72                             | 14                    | 20              |
| Sunflower     | 0.4                              | 7–9                   | 6–10            |
| Wheat         | 0.76                             | 14                    | 25              |

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

## DIMENSIONS

|                    |                       |
|--------------------|-----------------------|
| Screen area, total | 24 m <sup>2</sup>     |
| Screen size        | 1 250x800 mm (24 pcs) |
| Overall length     | 3 705 mm              |
| Overall height     | 4 414 mm              |
| Overall width      | 2 009 mm              |

## WEIGHT

|                           |           |
|---------------------------|-----------|
| Weight, empty             | 5 300 kg  |
| Weight, operating (wheat) | 5 720 kg  |
| Weight, choked (wheat)    | 10 800 kg |

## OPERATING SPEED

|                                 |             |
|---------------------------------|-------------|
| Shaker feeder (shaft)           | 140–700 rpm |
| Screens (shaft), fixed speed    | 280–285 rpm |
| Screens (shaft), variable speed | 260–300 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        | 3 kW           |
| Motor, aspiration fan | 2.2 kW or 3 kW |
| Control panel         | 110–230 V      |

## AIR SUPPLY AND EXTRACTION

|                   |                          |
|-------------------|--------------------------|
| Aspiration volume | 14 000 m <sup>3</sup> /h |
|-------------------|--------------------------|

## DYNAMIC LOADS

|                                  |                       |
|----------------------------------|-----------------------|
| Horizontal load "Ph"             | ±3 661 N @ 4.6–4.8 Hz |
| Vertical load "Pv1" (inlet end)  | ±2 066 N @ 4.6–4.8 Hz |
| Vertical load "Pv2" (outlet end) | ±1 796 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 |
|---------------------|----------|