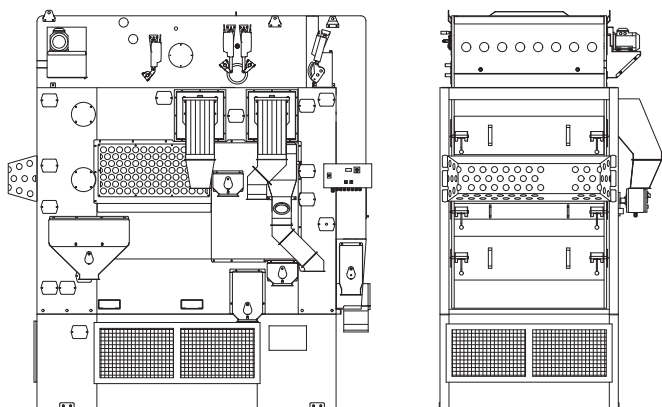


AIR-SCREEN CLEANER DELTA SUPER 105

GENERAL

| | |
|-------------|--|
| Brand | Cimbria |
| Designation | Air-screen cleaner |
| Model | DELTA Super 105 |
| Use | Industry |
| Application | Fine cleaning of cereal grains, grass seeds, pulses, oilseeds etc. |



PERFORMANCE

| Materials | Bulk density t/m ³ | Moisture content % | Capacity t/h |
|---------------|----------------------------------|-----------------------|-----------------|
| Barley | 0.68 | 14 | 6.5 |
| Clover | 0.82 | 14 | 3 |
| Coffee, green | 0.65 | 14 | 6 |
| Maize | 0.71 | 14 | 4–6 |
| Oats | 0.51 | 14 | 5 |
| Peas, common | 0.7 | 14 | 6 |
| Rapeseed | 0.74 | 7–9 | 5 |
| Rice, paddy | 0.51 | 14 | 3.5–4.5 |
| Rice, white | 0.75 | 14 | 6 |
| Rye | 0.69 | 14 | 6.5 |
| Ryegrass | 0.3 | 14 | 1.6 |
| Sorghum | 0.64 | 14 | 6.5 |
| Soybeans | 0.72 | 14 | 6 |
| Sunflower | 0.4 | 7–9 | 2.5–3.5 |
| Wheat | 0.76 | 14 | 7.5 |

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

DIMENSIONS

| | |
|--------------------|-----------------------|
| Screen area, total | 10 m ² |
| Screen size | 1 250×800 mm (10 pcs) |
| Overall length | 3 022 mm |
| Overall height | 3 335 mm |
| Overall width | 1 921 mm |

WEIGHT

| | |
|---------------------------|----------|
| Weight, empty | 3 160 kg |
| Weight, operating (wheat) | 3 290 kg |
| Weight, choked (wheat) | 5 810 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 | 1.5 kW |
| Motor, aspiration fan | 2.2 kW or 3 kW |
| Control panel | 110–230 V |

AIR SUPPLY AND EXTRACTION

| | |
|-------------------|-------------------------|
| Aspiration volume | 9 800 m ³ /h |
|-------------------|-------------------------|

DYNAMIC LOADS

| | |
|----------------------------------|-----------------------|
| Horizontal load “Ph” | ±2 515 N @ 4.6–4.8 Hz |
| Vertical load “Pv1” (inlet end) | ±190 N @ 4.6–4.8 Hz |
| Vertical load “Pv2” (outlet end) | ±190 N @ 4.6–4.8 Hz |

Note: Dynamic loads are for normal operation.

NOISE

| | |
|-----------------------------|------------|
| Sound pressure level, empty | 79.3 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 |
|---------------------|----------|