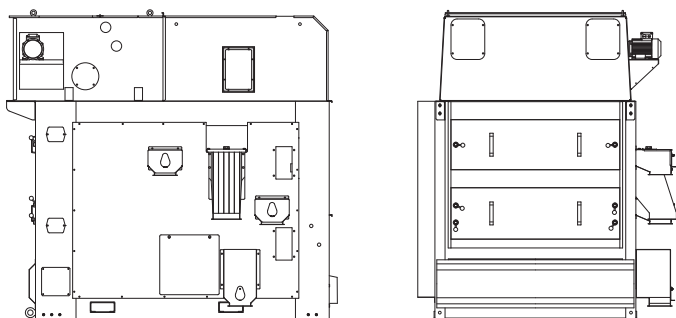


AIR-SCREEN CLEANER DELTA 142.1



GENERAL

| | |
|-------------|---|
| Brand | Cimbria |
| Designation | Air-screen cleaner |
| Model | DELTA 142.1 |
| Use | Industry |
| Application | Pre cleaning or industrial cleaning of cereal grains, pulses, oilseeds etc. |



PERFORMANCE

| Materials | Bulk density t/m ³ | Moisture content % | Capacity t/h |
|---------------|----------------------------------|-----------------------|-----------------|
| Barley | 0.68 | 20 (15) | 30 (18) |
| Coffee, green | 0.65 | 20 (15) | 12–18 (12) |
| Maize | 0.71 | 20 (15) | 24 (10) |
| Malt | 0.52 | 20 (15) | 10 (10) |
| Oats | 0.51 | 20 (15) | 18 (2) |
| Peas, common | 0.7 | 20 (15) | 24 (5–15) |
| Rapeseed | 0.74 | 20 (7–9) | 25 (12) |
| Rice, paddy | 0.51 | 20 (15) | 12–18 (3) |
| Rice, white | 0.75 | 20 (15) | 24 |
| Rye | 0.69 | 20 (15) | 30 (18) |
| Sorghum | 0.64 | 20 (15) | 30 (18) |
| Soybeans | 0.72 | 20 (15) | 24 (5–15) |
| Sunflower | 0.4 | 14 (7–9) | 12 (10) |
| Wheat | 0.76 | 20/15 (15) | 30/35 (18) |

Legend: Values in parentheses are for industrial cleaning. Other values are for pre cleaning.

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

DIMENSIONS

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

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 m ³ /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 |
|---------------------|----------|