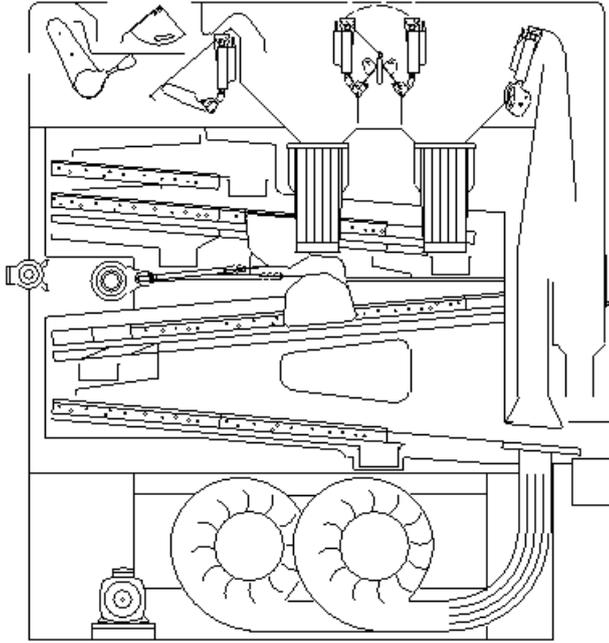


# FINE CLEANER DELTA SUPER 104

Designed for high quality fine cleaning of seeds, malting barley, legumes, grains and garden seeds.

The Delta Super Fine cleaner series has the most advanced air system on the market. This series is suitable for cleaning of all kinds of grain and seed. Ideal for difficult separations.

The Super Fine cleaners include shaker feeder, pre-suction and after-suction system, HMI control system, flexible screen flow and air lifting fan.



## PERFORMANCE

| Materials     | Bulk density<br>t/m <sup>3</sup> | Moisture<br>content % | Capacity<br>t/h |
|---------------|----------------------------------|-----------------------|-----------------|
| Barley        | 0.68                             | 14                    | 4.5             |
| Clover        | 0.82                             | 14                    | 2               |
| Coffee, green | 0.65                             | 14                    | 4               |
| Maize         | 0.71                             | 14                    | 3-4             |
| Oats          | 0.51                             | 14                    | 3               |
| Peas, common  | 0.7                              | 14                    | 4               |
| Rapeseed      | 0.74                             | 7-9                   | 3               |
| Rice, paddy   | 0.51                             | 14                    | 3               |
| Rice, white   | 0.75                             | 14                    | 4               |
| Rye           | 0.69                             | 14                    | 4.5             |
| Ryegrass      | 0.3                              | 14                    | 1               |
| Sorghum       | 0.64                             | 14                    | 4.5             |
| Soybeans      | 0.72                             | 14                    | 4               |
| Sunflower     | 0.4                              | 7-9                   | 1.5-2.5         |
| Wheat         | 0.76                             | 14                    | 5               |

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

## SCREENS

|                    |                      |
|--------------------|----------------------|
| Screen angle       | 5°                   |
| Screen area, total | 7 m <sup>2</sup>     |
| Screen size        | 1 250×800 mm (7 pcs) |

## DIMENSIONS

|                |          |
|----------------|----------|
| Overall length | 3 018 mm |
| Overall height | 3 108 mm |
| Overall width  | 1 883 mm |

## WEIGHT

|                           |          |
|---------------------------|----------|
| Weight, empty             | 2 880 kg |
| Weight, operating (wheat) | 2 970 kg |
| Weight, choked (wheat)    | 5 180 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 | 8 200 m <sup>3</sup> /h |
|-------------------|-------------------------|

## DYNAMIC LOADS

|                                  |                       |
|----------------------------------|-----------------------|
| Horizontal load "Ph"             | ±123 N @ 4.6-4.8 Hz   |
| Vertical load "Pv1" (inlet end)  | ±1 115 N @ 4.6-4.8 Hz |
| Vertical load "Pv2" (outlet end) | ±1 115 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 |
|---------------------|----------|