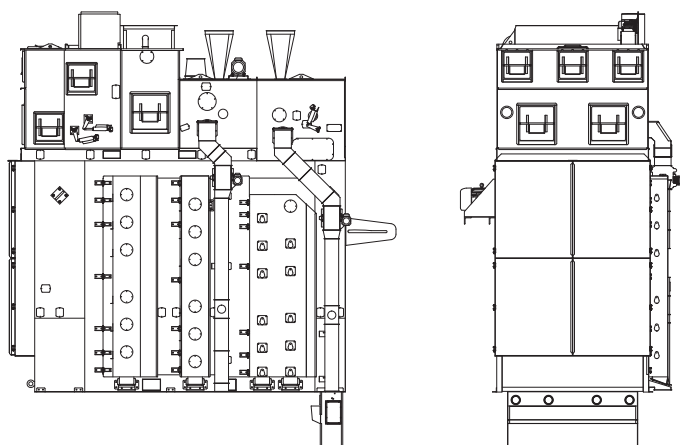


# AIR-SCREEN CLEANER

# DELTA MEGA 168.2

## GENERAL

Brand	Cimbria
Designation	Air-screen cleaner
Model	DELTA Mega 168.2
Use	Industry
Application	Pre cleaning or industrial cleaning of cereal grains, pulses, oilseeds etc.



## PERFORMANCE

Materials	Bulk density t/m <sup>3</sup>	Moisture content %	Capacity t/h
Barley	0.68	20 (15)	400 (240)
Coffee, green	0.65	20 (15)	80–150 (140)
Maize	0.71	20 (15)	400 (240)
Malt	0.52	20 (15)	180 (140)
Oats	0.51	20 (15)	150 (50)
Peas, common	0.7	20 (15)	300 (120–300)
Rapeseed	0.74	20 (7–9)	400 (120)
Rice, paddy	0.51	20 (15)	100–150 (50–70)
Rice, white	0.75	20 (15)	300 (50)
Rye	0.69	20 (15)	400 (240)
Sorghum	0.64	20 (15)	400 (240)
Soybeans	0.72	20 (15)	350 (120–300)
Sunflower	0.4	14 (7–9)	120 (100–120)
Wheat	0.76	20/15 (15)	400/450 (240)

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	32.4 m <sup>2</sup>
Screen size	1 800×1 000 mm (18 pcs)
Overall length	5 620 mm
Overall height	6 308 mm
Overall width	3 206 mm

## WEIGHT

Weight, empty	12 200 kg
Weight, operating (wheat)	13 300 kg
Weight, choked (wheat)	29 500 kg

## OPERATING SPEED

Shaker feeder (shaft)	95–475 rpm
Screens (shaft)	280–285 rpm

## ELECTRICAL RATINGS

Motor, shaker feeder	2.2 kW
Motor, screens	5.5 kW
Motor, screws	1.5 kW
Control panel	110–230 V

## AIR SUPPLY AND EXTRACTION

Aspiration volume	20 400–24 400 m <sup>3</sup> /h
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## DYNAMIC LOADS

Horizontal load "Ph"	±1 018 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end)	±7 139 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end)	±7 139 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

## NOISE

Sound pressure level, empty	77.6 dB(A)
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## 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)
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## LIFETIME

Intended life limit	20 years
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