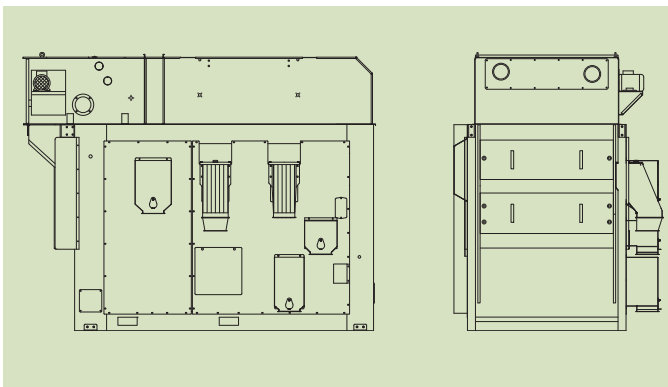


CLEANER DELTA 144.1

GENERAL

Brand	Cimbria
Designation	Air-screen cleaner
Model	DELTA 144.1
Use	Industry
Application	Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.



PERFORMANCE

	Bulk density t/m ³	Moisture content %	Capacity t/h
Barley	0.68	20 (15)	50 (35)
Coffee, green	0.65	20 (15)	18–30 (20)
Maize	0.71	20 (15)	40 (28)
Malt	0.52	20 (15)	25 (25)
Oats	0.51	20 (15)	30 (10)
Peas, common	0.7	20 (15)	40 (20–25)
Rapeseed	0.74	20 (7–9)	40 (20)
Rice, paddy	0.51	20 (15)	22–25 (8–12)
Rice, white	0.75	20 (15)	40 (10)
Rye	0.69	20 (15)	50 (35)
Sorghum	0.64	20 (15)	50 (35)
Soybeans	0.72	20 (15)	40 (20–25)
Sunflower	0.4	14 (7–9)	15 (15)
Wheat	0.76	20/15 (15)	50/50 (35)

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	10 m ²
Screen size	1 250×800 mm (10 pcs)
Overall length	3 309 mm
Overall height	2 593 mm
Overall width	1 965 mm

WEIGHT

Weight, empty	2 140 kg
Weight, operating (wheat)	2 560 kg
Weight, choked (wheat)	4 325 kg

OPERATING SPEED

Shaker feeder (shaft)	140–700 rpm
Screens (shaft)	300 rpm

ELECTRICAL RATINGS

Motor, shaker feeder	0.75 kW
Motor, screens	2.2 kW

AIR SUPPLY AND EXTRACTION

Aspiration volume	10 600 m ³ /h
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DYNAMIC LOADS

Horizontal load "Ph"	±4 070 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end)	±3 506 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end)	±2 471 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

Sound pressure level, empty	73.4 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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