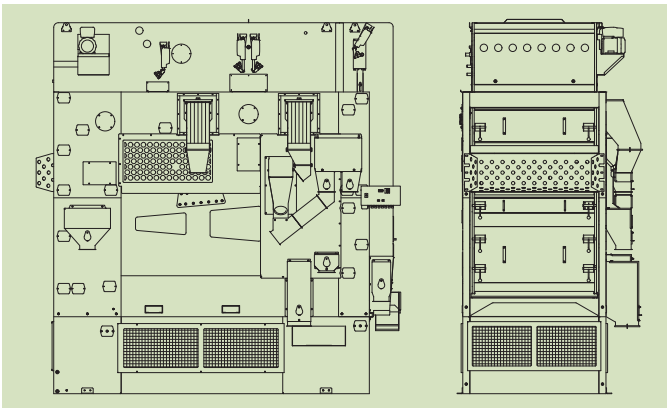


CLEANER DELTA SUPER 107

GENERAL

Brand	Cimbria
Designation	Air-screen cleaner
Model	DELTA Super 107
Use	Industry
Application	Fine cleaning of cereal grains and other grass seeds, pulses, and oilseeds intended for seed.



PERFORMANCE

	Bulk density t/m ³	Moisture content %	Capacity t/h
Barley	0.68	14	16
Clover	0.82	14	6
Coffee, green	0.65	14	12–14
Maize	0.71	14	9–16
Oats	0.51	14	10–12
Peas, common	0.7	14	12–15
Rapeseed	0.74	7–9	12
Rice, paddy	0.51	14	7–8.5
Rice, white	0.75	14	14
Rye	0.69	14	16
Ryegrass	0.3	14	3
Sorghum	0.64	14	16
Soybeans	0.72	14	12–15
Sunflower	0.4	7–9	5–8
Wheat	0.76	14	18

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

DIMENSIONS

Screen area, total	18 m ²
Screen size	1 250x800 mm (18 pcs)
Overall length	3 789 mm
Overall height	3 890 mm
Overall width	1 929 mm

WEIGHT

Weight, empty	4 080 kg
Weight, operating (wheat)	4 410 kg
Weight, choked (wheat)	8 710 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	2.2 kW
Motor, aspiration fan	2.2 kW or 3 kW
Control panel	110–230 V

AIR SUPPLY AND EXTRACTION

Aspiration volume	11 000 m ³ /h
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DYNAMIC LOADS

Horizontal load "Ph"	±2 845 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end)	±890 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end)	±825 N @ 4.6–4.8 Hz

Note: Dynamic loads are for normal operation.

NOISE

Sound pressure level, empty	81.6 dB(A)
Sound power level, empty	96.1 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)
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LIFETIME

Intended life limit	20 years
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