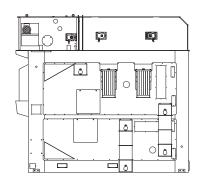
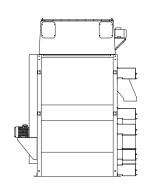


PRE-CLEANER DELTA 145

The Delta 145 Pre-cleaner is designed for ideal usage of the screen area in conjunction with a sophisticated aspiration system. The screen cleaning effect of the total screen area is increased by Cimbria's highly effective pre-suction and after-suction system.







PERFORMANCE

Materials	Bulk density t/m³	Moisture content %	Capacity t/h
Barley	0.68	20 (15)	60 (42)
Coffee, green	0.65	20 (15)	25–40 (25)
Maize	0.71	20 (15)	50 (35)
Malt	0.52	20 (15)	35 (25)
Oats	0.51	20 (15)	35 (10)
Peas, common	0.7	20 (15)	50 (25–40)
Rapeseed	0.74	20 (7–9)	50 (35)
Rice, paddy	0.51	20 (15)	25–30 (10–12)
Rice, white	0.75	20 (15)	50
Rye	0.69	20 (15)	60 (42)
Sorghum	0.64	20 (15)	60 (42)
Soybeans	0.72	20 (15)	50 (25–40)
Sunflower	0.4	14 (7–9)	25 (25)
Wheat	0.76	20/15 (15)	60/60 (42)

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

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

SCREENS

Screen angle	10° (scalping); 12° (sand)
Screen area, total	13 m ²
Screen size	1 250×800 mm (13 pcs)

DIMENSIONS

Overall length	3 231 mm
Overall height with feed roller	2 950 mm
Overall height with shaker feeder	2 921 mm
Overall width	2 287 mm

WEIGHT

Weight, empty	2 500 kg
Weight, operating (wheat)	2 600 kg
Weight, choked (wheat)	5 300 kg

OPERATING SPEED

Feed roller	30–164 rpm
Shaker feeder (shaft)	140-700 rpm
Screens (shaft)	300 rpm

ELECTRICAL RATINGS

Motor, feed roller	1.1 kW
Motor, shaker feeder	0.75 kW
Motor, screens	1.5 kW

AIR SUPPLY AND EXTRACTION

Aspiration volume 11 000 m³/h

DYNAMIC LOADS

 $\begin{array}{lll} \mbox{Horizontal load "Ph"} & \pm 1\,986\ \mbox{N} \ \mbox{@} \,4.6-4.8\ \mbox{Hz} \\ \mbox{Vertical load "Pv1" (inlet end)} & \pm 2\,188\ \mbox{N} \ \mbox{@} \,4.6-4.8\ \mbox{Hz} \\ \mbox{Vertical load "Pv2" (outlet end)} & \pm 2\,188\ \mbox{N} \ \mbox{@} \,4.6-4.8\ \mbox{Hz} \\ \mbox{Note: Dynamic loads are for normal operation.} \end{array}$

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

