CLEANER DELTA 142.2

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA 142.2
Use Industry
Application Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

PERFORMANCE
Bulk density t/m³ Moisture content % Capacity t/h
Barley 0.68 20 (15) 30 (20)
Coffee, green 0.65 20 (15) 12–18 (14)
Maize 0.71 20 (15) 24 (12)
Malt 0.52 20 (15) 15 (15)
Oats 0.51 20 (15) 18 (3)
Peas, common 0.7 20 (15) 24 (8–17)
Rapeesed 0.74 20 (7–9) 25 (12)
Rice, paddy 0.51 20 (15) 12–18 (4)
Rice, white 0.75 20 (15) 24
Rye 0.69 20 (15) 30 (20)
Sorghum 0.64 20 (15) 30 (20)
Soybeans 0.72 20 (15) 24 (8–17)
Sunflower 0.4 14 (7–9) 12 (10)
Wheat 0.76 20/15 (15) 30/35 (20)

Legend: Values in parentheses are for industrial cleaning. Other values are for pre cleaning.
Note: Capacities may vary for different impurity and moisture contents.

WEIGHT
Weight, empty 1 610 kg
Weight, operating (wheat) 1 860 kg
Weight, choked (wheat) 3 160 kg

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

ELECTRICAL RATINGS
Motor, shaker feeder 0.75 kW
Motor, screens 1.5 kW

AIR SUPPLY AND EXTRACTION
Aspiration volume 6 400 m³/h

DYNAMIC LOADS
Horizontal load “Ph” ±2 621 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±3 171 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±1 657 N @ 4.6–4.8 Hz
Note: Dynamic loads are for normal operation.

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

DIMENSIONS
Screen area, total 7 m²
Screen size 1 250×800 mm (7 pcs)
Overall length 2 449 mm
Overall height 2 271 mm
Overall width 1 925 mm