CLEANER DELTA 114

GENERAL
Brand: Cimbria
Designation: Air-screen cleaner
Model: DELTA 114
Use: Industry
Application: Fine cleaning or industrial cleaning of cereal grains and other grass seeds, pulses, and oilseeds intended for seed.

PERFORMANCE
Bulk density t/m³ Moisture content % Capacity t/h
Barley 0.68 14 (15) 3.5 (10)
Clover 0.82 14 (15) 2
Coffee, green 0.65 14 (15) 4 (4)
Maize 0.71 14 (15) 3–4 (5)
Oats 0.51 14 (15) 3 (4)
Peas, common 0.7 14 (15) 3–4 (4–6)
Rapeseed 0.74 7–9 3 (4)
Rice, paddy 0.51 14 (15) 2.5–3 (3–4)
Rice, white 0.75 14 (15) 4 (6)
Rye 0.69 14 (15) 3.5 (6–10)
Rye grass 0.3 14 (15) 0.75
Sorghum 0.64 14 (15) 3.5 (10)
Soybeans 0.72 14 (15) 3–4 (4–6)
Sunflower 0.4 7–9 1.5–2.5 (2)
Wheat 0.76 14 (15) 4 (6–10)

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

DIMENSIONS
Screen area, total 7 m²
Screen size 1 250x800 mm (7 pcs)
Overall length 3 018 mm
Overall height 2 314 mm
Overall width 1 823 mm

WEIGHT
Weight, empty 1 970 kg
Weight, operating (wheat) 2 045 kg
Weight, choked (wheat) 4 260 kg

OPERATING SPEED
Shaker feeder (shaft) 140–700 rpm
Screens (shaft), fixed speed 280–285 rpm
Screens (shaft), variable speed 260–320 rpm

ELECTRICAL RATINGS
Motor, shaker feeder 0.75 kW
Motor, screens 1.5 kW
Control panel 110–230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume 8 200 m³/h

DYNAMIC LOADS
Horizontal load “Ph” ±123 N @ 4.6–4.8 Hz
Vertical load “Pv1” (inlet end) ±1 075 N @ 4.6–4.8 Hz
Vertical load “Pv2” (outlet end) ±1 075 N @ 4.6–4.8 Hz

NOISE
Sound pressure level, empty 79.3 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

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