CLEANER DELTA 117

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA 117
Use Industry
Application Fine cleaning or industrial cleaning of cereal grains and other grass seeds, pulses, and oilseeds intended for seed.

WEIGHT
Weight, empty 3 135 kg
Weight, operating (wheat) 3 465 kg
Weight, choked (wheat) 7 760 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 2.2 kW
Control panel 110–230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume 11 000 m³/h

DIMENSIONS
Screen area, total 18 m²
Screen size 1 250x800 mm (18 pcs)
Overall length 3 789 mm
Overall height 3 096 mm
Overall width 1 875 mm

WEIGHT
Bulk density t/m³ Moisture content % Capacity t/h
Barley 0.68 14 (15) 15 (25)
Clover 0.82 14 (15) 6
Coffee, green 0.65 14 (15) 16 (16)
Maize 0.71 14 (15) 8–15 (20)
Oats 0.51 14 (15) 11 (16)
Peas, common 0.7 14 (15) 12–14 (15–18)
Rapeseed 0.74 7–9 10 (16)
Rice, paddy 0.51 14 (15) 6–8.5 (10–12)
Rice, white 0.75 14 (15) 16 (25)
Rye 0.69 14 (15) 15 (20–30)
Rye grass 0.3 14 (15) 2.5
Sorghum 0.64 14 (15) 15 (25)
Soybeans 0.72 14 (15) 12–14 (15–18)
Sunflower 0.4 7–9 5–8 (8)
Wheat 0.76 14 (15) 16 (20–30)
Note: Capacities may vary for different impurity and moisture contents.

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

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)

LIFETIME
Intended life limit 20 years