SEED PROCESSING | DATA SHEET | 104.01.40

CLEANER DELTA MEGA 168.1

GENERAL
Brand Cimbria
Designation Air-screen cleaner
Model DELTA Mega 168.1
Use Industry
Application Pre cleaning or industrial cleaning of cereal grains, pulses, and oilseeds intended for seed.

OPERATING SPEED
Shaker feeder (shaft) 95–475 rpm
Screens (shaft) 280–285 rpm

ELECTRICAL RATINGS
Motor, shaker feeder 2.2 kW
Motor, screens 5.5 kW
Motor, pre aspiration fan 4 kW
Motor, post aspiration fan 5.5 kW
Control panel 110-230 V

AIR SUPPLY AND EXTRACTION
Aspiration volume 5 000 m³/h

DYNAMIC LOADS
Horizontal load “Ph” ±1 018 N @ 4.8 Hz
Vertical load “Pv1” (inlet end) ±7 139 N @ 4.8 Hz
Vertical load “Pv2” (outlet end) ±7 139 N @ 4.8 Hz
Note: Dynamic loads are for normal operation.

NOISE
Sound pressure level, empty 77.6 dB(A)

COMPLIANCE
EU machinery legislation Yes
EU ATEX legislation No
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

PERFORMANCE
Bulk density t/m³ Moisture content % Capacity t/h
Barley 0.68 20 (15) 400 (240)
Maize 0.71 20 (15) 400 (240)
Malt 0.52 20 (15) 300 (150)
Oats 0.51 20 (15) 150 (50)
Peas, common 0.7 20 (15) 300 (120–300)
Rapeseed 0.74 20 (7–9) 400 (120)
Rice, white 0.75 20 (15) 300 (50)
Rye 0.69 20 (15) 400 (240)
Sorghum 0.64 20 (15) 400 (240)
Soybeans 0.72 20 (15) 350 (120–300)
Wheat 0.76 20/15 (15) 400/450 (240)

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

DIMENSIONS
Screen area, total 32.4 m²
Screen size 1 800×1 000 mm (18 pcs)
Overall length 5 620 mm
Overall height 6 338 mm
Overall width 3 506 mm

WEIGHT
Weight, empty 12 200 kg
Weight, operating (wheat) 13 300 kg
Weight, choked (wheat) 29 500 kg