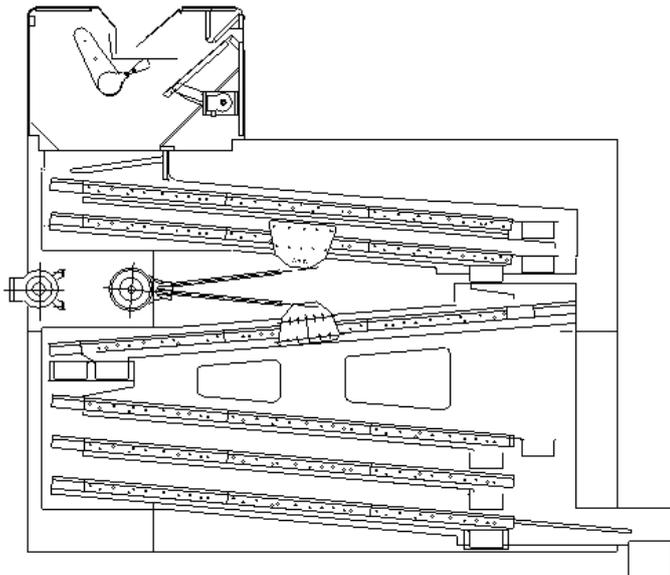# PROCESSING

SCREEN GRADER
DELTA 127

Designed for precise grading of grain and seed, its gentle flow of product through the machine ensures an excellent grading precision.
The Delta 127 screen grader include shaker feeder and flexible screen flow.

PERFORMANCE

Materials	Bulk density t/m³	Moisture content %	Capacity t/h
Barley	0.68	14	10
Coffee, green	0.65	14	3–7
Maize	0.71	14	4–8
Oats	0.51	14	7
Peas, common	0.7	14	5–7
Rice, white	0.75	14	7
Rye	0.69	14	10
Ryegrass	0.3	14	3
Sorghum	0.64	14	10
Soybeans	0.72	14	5–7
Sunflower	0.4	9	2–3
Wheat	0.76	14	10

Note: Capacities are for grading three to four fractions. Capacities may vary for different number of grades.

SCREENS
Screen angle   5º
Screen area, total   18 m²
Screen size   1 250×800 mm (18 pcs)

DIMENSIONS
Overall length   3 794 mm
Overall height   3 062 mm
Overall width   1 892 mm

WEIGHT
Weight, empty   2 880 kg
Weight, operating (wheat)   3 210 kg
Weight, choked (wheat)   7 510 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

AIR SUPPLY AND EXTRACTION
Aspiration volume   1 000–2 500 m³/h

DYNAMIC LOADS
Horizontal load "Ph"   ±2 845 N @ 4.6–4.8 Hz
Vertical load "Pv1" (inlet end) ±1 338 N @ 4.6–4.8 Hz
Vertical load "Pv2" (outlet end) ±1 503 N @ 4.6–4.8 Hz
Note: Dynamic loads are for normal operation.

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

CIMBRIA