

MODULAR GRADER

GP1.02.2110.GB

GP-1000 / -1250 / -1500 / -1750



Photo shows machine enclosed with doors [option]

The GP modular grader is a very compact machine ensuring an accurate sizing in 4 fractions of a large variety of products in one operation

For capacity and all other specific information see the back page.

The GP [A1-B5-E91] modular grader offers the below basic features:

- Feeding section with feed roll and gate with spring.
- Pre-aspiration channel with fixed depth.
- Screen section consisting of two sieveboats with screens with fixed 6° screen inclination.
- Upper sieveboat with 3 screen layers for grading in two fractions [large size and small size].
- Two parallel transport plates from upper to lower sieveboat; one for large size product and one for small size product.
- Lower sieveboat with 6 screen layers; upper 3 screen layers for grading in two large size

fractions and lower 3 screen layers for grading in two small size fractions.

- All screens with quick-change system.
- Four outlets in the bottom of the machine; each outlet with integrated manually adjustable dust aspiration with 4 spouts on top of the machine for connection to an external aspiration system [customer delivery].
- Fixed drive and motors.
- Motors with PTC sensor prepared for frequency converter.

The machine is of steel construction with sieveboat of laminated wood.

Options:

- *Vibrator feeder*
- *Variable drive with frequency converter*
- *Screen section enclosed with doors*
- *Screen inclination of 4°*
- *Interlock screen system*
- *Screens with tumbling plates*
- *Adaptive aspiration control system [AAC]*

EQUIPPED FOR CHANGE

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TECHNICAL SPECIFICATIONS:

| Screen section E91 | GP-1000 | GP-1250 | GP-1500 | GP-1750 |
|----------------------------|---------|---------|---------|---------|
| Screen size L=800 mm x W | 1000 | 1250 | 1500 | 1750 |
| Screen area m ² | 21.6 | 27 | 32.4 | 37.8 |
| Screen segments nos. | 27 | 27 | 27 | 27 |
| Capacity in maize t/h | 10 | 12 | 15 | 18 |
| Capacity in sunflower t/h | 3.5 | 4.3 | 5.1 | 6 |

Capacity: estimate [guideline] based on fine cleaned product with approx. 25% product size distribution; if the product size distribution differs, the capacity will change.

DISTINGUISHING ADVANTAGES:

- Feeding section ensuring an even spread of product over the full working width of the machine
- Highly efficient dust aspiration system for each outlet with individually adjustable false air valve ensuring a uniform aspiration of each fraction
- Easily accessible screens with superior cleaning system
- Sieveboats suspended with fibreglass springs giving a smooth and safe operation due to the centrally located eccentric shaft
- Easy clean-down when changing from one product to another
- In right or left-hand construction to suit individual plant layouts
- Low maintenance costs

