TABLE OF CONTENTS

POZNANIAK 330/370/420/500 4
POLONEZ 550 5
POLONEZ PREMIUM / MAZUR 6
CAYENNE 1500 7
FM 400/700 8
FENIX 700 9
FENIX 3000 10
FS T DRIVE 14
FS 2000/2400 15
AMBER 900/1200 16
AMBER 3000/3100/3500 17
ALFA 18
ETA 200/500 19
DELTA / DELTA H 20
KRUK 22
POZNANIAK 330/370/420/500
mechanical seed drills

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>330</td>
<td>2.5</td>
<td>21</td>
<td>45</td>
<td>510</td>
</tr>
<tr>
<td>370</td>
<td>2.7</td>
<td>23</td>
<td>45</td>
<td>550</td>
</tr>
<tr>
<td>420</td>
<td>3.0</td>
<td>25</td>
<td>60</td>
<td>610</td>
</tr>
<tr>
<td>500</td>
<td>3.0</td>
<td>25</td>
<td>60</td>
<td>620</td>
</tr>
</tbody>
</table>

Robust side disc markers with two cylinders (optional)

Bent and reinforced hopper cover

New stepless gearbox made of cast iron

Divided seed conduits for calibration

Platform and steps in the centre of the seed drill

Seed hopper of bent design without bottom joint

Wide 165×70 R14 wheels with track openers

The POZNANIAK series seed drills are suitable to be combined with light cultivation machines.

The seed dispensing system comprises of two metering rollers for sowing fine seeds (rape) or large seeds (pea), that precisely collect the seeds from the bottom flaps.

Three types of coulters hoe, "V" disc and "V-TECH" disc coulters mounted to a ground-following and compacting wheel ensure excellent sowing in any selected cultivation method.

Precise, individually tested transmission gear each ensures accurate sowing pattern.

Drive markers of special reinforced design are based on two cylinders that lift vertically. They are provided with pitch-adjustable marker discs.

The tractor track aerators even up the surface compacted by the tractor and thus ensure equal sowing depth.

The POZNANIAK 420/3D

Bent and reinforced hopper cover

New stepless gearbox made of cast iron

Divided seed conduits for calibration

Platform and steps in the centre of the seed drill

Seed hopper of bent design without bottom joint

Wide 165×70 R14 wheels with track openers

The POZNANIAK series seed drills are suitable to be combined with light cultivation machines.

The seed dispensing system comprises of two metering rollers for sowing fine seeds (rape) or large seeds (pea), that precisely collect the seeds from the bottom flaps.

Three types of coulters hoe, "V" disc and "V-TECH" disc coulters mounted to a ground-following and compacting wheel ensure excellent sowing in any selected cultivation method.

Precise, individually tested transmission gear each ensures accurate sowing pattern.

Drive markers of special reinforced design are based on two cylinders that lift vertically. They are provided with pitch-adjustable marker discs.

The tractor track aerators even up the surface compacted by the tractor and thus ensure equal sowing depth.

uniamachines.com
### Mechanical Seed Drills - POLONEZ 550

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>550</td>
<td>3</td>
<td>25</td>
<td>80</td>
<td>710</td>
</tr>
<tr>
<td>550 D</td>
<td>3</td>
<td>25</td>
<td>80</td>
<td>850</td>
</tr>
</tbody>
</table>

- **Large seed hopper**
  - Of the capacity of 550 litres
  - (750 with an extension)

- **High 6x16 wheels**
  - With agricultural tire tread

- **Three options of coulter**
  - To choose from: hoe, 2-disc „V-TECH”
  - 2-disc alternating „SHELL”

- **Control rod**
  - Is used to adjust the depth of the work of all coulters simultaneously.

- **Track markers**
  - Based on a dual actuator system.

- **Seed hopper**
  - With a platform to load seed bags.

- **Variable gearbox**
  - In cast-iron.

- **Ground-following and compacting wheels**
  - Placed behind the coulters ensure high uniformity of sprouting.

- **STARTER SEED**
  - Electronic passage track and pre-sprouting marker controller.

- **Road lighting**
  - 250x42 for „V-TECH” coulters
  - 300x50 for „SHELL” alternating coulters

- **Stable platform with steps**
  - Across the entire width of the seed drill

- **Wheels**
  - 250×42 for „V-TECH” coulters
  - 300×50 for „SHELL” alternating coulters

---
POLONEZ premium / MAZUR

mechanical seed drills

Hydraulic disc markers
on two cylinders

Superior computer
ensures electronic sowing control and adjustment. The computer is compatible with other UNIA machines.

Two disc-coulters "SHELL" in alternating configuration
protect the sown seeds up to the required depth, ensuring even sprouting. Pressure wheels determine the correct depth and ensure proper moisture supplied to the seeds.

Depth control hydraulic rod
ensures even sprouting in the fields with patched soil.

Hydraulic pre-sprouting tracks (optional)

Divided seed conduits
for calibration

Wide platform with steps across the entire width of the seed drill

Reinforced cover of bent metal sheet

Longitudinal transport system
makes logistics much easier during field operations

DUPLO System
due to a division of the hopper into two compartments and additional sowing units, allows for simultaneous sowing and fertilizer spreading with a single coulter.

A hopper of 855 or 1100 dm³, DUPLO System – a divided hopper (fertilizer/seeds)
CAYENNE 1500
heavy mechanical seed drill

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500</td>
<td>4</td>
<td>26</td>
<td>80</td>
<td>2300</td>
</tr>
</tbody>
</table>

Large hopper
capacity of 1500 dm³

Precise gear transmission,
to pre-set the seed dose

Hydraulic coulter lifting system
for transport is at the same time the central pressure unit

Semi-mounted system
allows to aggregate the machine with tractors of the a power from 80 hp.

A heavy „V-TECH” two-disc coulter
with min. pressure of 65 KG

CAYENNE 1500

High 7.5x20 tyres
ensures stable transport

Hydraulic pressure
Hydraulic cylinder allows coulter pressure regulation and lifts coulter section to transport position.

A stepless sowing unit
for seed that is adjusted by ejecting a sowing roller.

A spiked roller fertilizer distribution unit

Mechanical adjustment of sowing
by a chain transmission it is possible to precisely set the sowing by changing the gear. Mounted for both, seed and fertilizer in a DUPLO system.

A heavy „V-TECH” coulter
has, as standard version, a wide compaction roller that compacts the soil around the seeds. Easy depth adjustment reduces the penetration of the coulters even on patched soil.

CAYENNE
A loading platform across the entire width.
**FM 400/700**

mechanical seed drills

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>400</td>
<td>3</td>
<td>25</td>
<td>70</td>
<td>1200 1350</td>
</tr>
<tr>
<td>700 S</td>
<td>3</td>
<td>25</td>
<td>120</td>
<td>1680 1850</td>
</tr>
<tr>
<td>700 T</td>
<td>3</td>
<td>—</td>
<td>120</td>
<td>— 1800</td>
</tr>
<tr>
<td>700 A</td>
<td>3</td>
<td>25</td>
<td>140</td>
<td>2100 2230</td>
</tr>
</tbody>
</table>

**Seed hoppers of the capacity**

of 700 dm³ (FM 700) or 400 dm³ (FM 400)

**Hoe coulters or single-disc coulters**

300 mm with a 250 × 42 mm ground-following wheel

**Work elements**
are professionally protected against stones.

**Front and rear beam**
allow for precise crushing of clumps without picking them up again.

**Three aggregation systems**
guarantee good soil cultivation in all conditions.

**The 400 model**
with its super-lightweight version of the seed drill is designed for tractors with 70 HP. As a standard it is equipped with a STARTER SEED computer and passage markers.

**Scaled depth adjustment**
allows for precise placement of seeds at the desired depth.

**Soil compaction**
by Packer roller or by a rubber roller ensure even moisture penetration across the entire width.

**Compact design**
of the support enable easy removal of the seed drill.
FENIX 700
pneumatic seed drills

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>700 S</td>
<td>3</td>
<td>24</td>
<td>100-120</td>
<td>1850</td>
</tr>
<tr>
<td>700 T</td>
<td>3</td>
<td>24</td>
<td>120</td>
<td>1910</td>
</tr>
<tr>
<td>700 A</td>
<td>3</td>
<td>24</td>
<td>120-140</td>
<td>2120</td>
</tr>
</tbody>
</table>

Central design;
seeds distributor inside the hopper of the capacity of 700 litres

Central seed distributor
provides uniform sowing of sine and coarse seeds

Three cultivation systems
to choose: with tines, discs, active

A sowing unit drive
mechanical or electrical

„SHELL“ two-disc alternating coulter
with the pressure of P = 25 kG

The fan
is powered by a hydraulic motor of the output of 24 l/min.

Calibration test in a seed drill
with electric drive is performed by pressing a single button.

Superior Computer
a new seed drill and electronic sowing control solution.

Central system for dispensing and dosage
of seed material ensures precise adjustment of seed dose of various types of seeds, without the need to readjust the seed distribution units. This solution is provided with two control scales, namely for fine seeds (like rape or alfalfa) or coarse seeds (cereals, peas).

Fenix A
is a combination seed drill based on an active harrow. As a standard equipment it is provided with a full protection against stones and a possibility to install levelling bars or tines at the front and between the machine and the roller.

The radar sensor
allows for very precise sowing, considering actual drive speed, eliminating the impact from wheel slip.

Hydraulic disc markers
with two actuator
**FENIX 3000**

pneumatic seed drills

**large grain hopper**

uniform grain hopper with capacity of 3000 litres combined with working width 6.0 m provides high efficiency of the tilling and sowing set even in difficult soil conditions. Comfortable ladder with platform facilitates approach the hopper.

**stable side markers**

hydraulic side markers are folded along the machine so that it facilitates the transport on public roads as well as folding the set into transport position.

**covering springs**

the springs of the firmer are integrated with sowing coulters for proper drainage between sowing rows. Road lighting installed on FENIX tilling and sowing set facilitates safe transport on public roads.

**precise grain distributing unit**

two grain distributing units driven by electric motor provide even sowing on the entire width. Quick and simple is also the alteration to large from fine grains. Two grain distributors placed above the coulters are equipped with COMBI valves for closing technological paths (return of the grain to the sowing system). Photo radar controls electric motor that transfer the drive on dosing apparatus.

**massive disc coulter**

double disc coulters in “V” configuration and disc size of 300 mm equipped with a stable and strong depth wheel size of 350×78 mm ensure grain embedment at required depth and optimum contact with soil. The coulters are clamped by a strong spring that ensures constant minimum pressure of P = 40 kg per coulter even at high speed. Wide gauge between the coulters (15 centimetres) facilitates the work on stony fields with crop residue.
## FENIX

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>NUMBER OF DISCS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000/3</td>
<td>3</td>
<td>24</td>
<td>24</td>
<td>120</td>
<td>4900</td>
</tr>
<tr>
<td>3000/4</td>
<td>4</td>
<td>32</td>
<td>32</td>
<td>150</td>
<td>6500</td>
</tr>
<tr>
<td>3000/6</td>
<td>6</td>
<td>40</td>
<td>48</td>
<td>220</td>
<td>7600</td>
</tr>
</tbody>
</table>

**hydraulic front leveller**

Hydraulic front leveller evens the ground after tractor’s wheels as well as the surface before the soil preparing discs (option).

**precise disc cultivation**

Cultivation section is equipped with two rows of discs 460 mm secured with rubber damper. Discs consist of two rows, self-lubricating bearings provide comfortable work on large fields. Soil preparing section provides effective cultivation even in difficult conditions.

**proper soil compaction before sowing**

Tyre roller with diameter of 800 mm (wheels 7.5x16) ensures proper soil compaction before sowing. Wide diameter of narrow tyres installed on rigid axle provides precise soil levelling on the entire width directly before disc coulters system.
**FENIX 3000**

pneumatic seed drills

“V-TECH” two-disc coulters

3 and 4-metre versions are equipped with coulters with 12.5 cm spacing. The disc diameter is 350 mm. The copying wheel of 300x50 mm ensures adequate density. The minimum coulter pressure is P=40kG. A traditional system of a hinge and a massive pressure spring guarantees very good terrain copying by the coulter.

Drive-thickening tire shaft

Wheel size 420/55-17 (910 m diameter). Pivoting wheel system facilitates work on light soils in the traditional technology.
485 mm diameter discs
protected with four rubber shock absorbers. They are equipped with double row maintenance-free bearings, which ensures long and comfortable operation.

Precise sowing system
It works in the range from 1.8 to 400 kg per hectare. The versatility of the machine allows for the sowing of both fine and large grain. The machine is powered with an electric motor and its speed is controlled by means of a signal from a built-in radar.

FENIX 3000/4 in the transport mode
FENIX 4 and 6 metre is equipped with a hydraulic system of the machine folding up to 3-metre width. A stable transport system based on 4 driving wheels facilitates driving and navigation on public roads.

DRILL-Control computer
– Müller Elektronik

Electronic control of sowing by electric motor controlled by radar. The supreme dosing precision based on two dosing units.

Basic computer drill-control functions:
- control of sowing dosage depending on working speed – work optimization
- constant control of the grain amount on the computer monitor
- simple and easy „calibration test“
- a record of the set-up of sowing dosages for a given grain
- possibility of hectare reading on different fields
- control of tramlines marking
- alteration of sowing dosage during the work
- control of grain level in the hopper
FS T DRIVE
mechanical and pneumatic seed drills

Seed hoppers
of the capacity of 1,500 dm³

Two-disc
„SHELL“ alternating coulters
or heavy „V-TECH“ coulters

The DRIVE system
with a wheel shaft
of the diameter 670 or 800 mm

Mechanical drive
of sowing roller from a ground-following wheel.

In mounted versions,
three cultivating units to choose from:
tine, disc, active

Table:

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1500/3</td>
<td>3</td>
<td>24</td>
<td>100</td>
<td>2850</td>
</tr>
<tr>
<td>1500/4</td>
<td>4</td>
<td>32</td>
<td>140</td>
<td>3250</td>
</tr>
</tbody>
</table>

Stairs integrated
in the back of the seed drill provide
free access to the seed hopper.

The dispensing system
for each row and pneumatic distribution
translate into perfect uniformity of sowing.

Hydraulic drive cooling system
controlled thermostatically with a temperature
indicator prevent overheating of oil and thus
increasing the durability of the unit.

PILOT SEED computer
in standard equipment
Functional and intuitive computer

HYDROMAX
hydraulic control module (extended hydraulics
with control via solenoid valves).

The fan
with independent hydraulic system driven by
PTD shaft ensure stability of air supply. This
prevents clogging of the pipes and ensures
rapid transport of seeds to the coulters.

uniamachines.com
**FS 2000/2400**

**Mechanical and Pneumatic Seed Drills**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000/3</td>
<td>3</td>
<td>20</td>
<td>120-140</td>
<td>4300</td>
</tr>
<tr>
<td>2400/4</td>
<td>4</td>
<td>28</td>
<td>140-160</td>
<td>4700</td>
</tr>
</tbody>
</table>

---

**Heavy two-disc "V-TECH" coulters**

- **Superior**: Electronic monitoring of sowing operations and control of seed drill. This panel is compatible with other UNIA machines.

- **Fan**: Powered by a hydraulic motor of the output of 24 l/min.

- **Cultivation discs**: Of the diameter of 460 mm mounted on a leg and protected with rubber shock absorbers. Mounted maintenance-free bearings ensure comfortable work.

- **Front levelling spring board**: Design evenly levels the surface of soil before the cultivating discs, which facilitates pre-sowing soil compaction. Easy adjustment of operating pitch with bottle screws.

- **Two-disc "V-TECH" coulters**: Of the diameter of 300 mm with ground-following wheels of the diameter of 350 mm.

- **Seed hopper**: Of high capacity of 2000 or 2400 dm³.

- **Packer roller**: Of the diameter 800 mm.

- **Universal disc cultivation**: With maintenance-free bearings.

- **The hydraulic system**: Is made of an independent system: pump on PTO + oil tank + cooler.

- **Front Packer rollers**: With steering axle for the FS 2400 model and optional in the 1000 model. Uniform operation of the machine and correct setting of the tractor arm position.

- **Cultivation discs**: Of the diameter of 460 mm are mounted on a leg and protected with rubber shock absorbers. Mounted maintenance-free bearings ensure comfortable work.
AMBER 900/1200
mechanical seed drills

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>900</td>
<td>3</td>
<td>24</td>
<td>100-120</td>
<td>1750</td>
</tr>
<tr>
<td>1200</td>
<td>4</td>
<td>32</td>
<td>120-140</td>
<td>2300</td>
</tr>
</tbody>
</table>

The harrow scraper with individual rigid springs allow to drain and level the surface of the soil above sowing rows to prevent soil surface clumping.

DRIVE is a transport system based on a tyre roller, which better distributes the weight of the machine and ensures its high stability during the field operations.

Hitch Packer compacts the soil between the tractor wheels.

Single-disc coulters protected by rubber shock absorbers.

Hydraulic markers with a special folding system.

Amber 900 in the mounted version with a rubber roller is a compact solution for situations where high manoeuvrability of the machine is crucial.

Hydraulic system distribution using double measuring rollers with a high-resistance gear box provides even sowing and seed distribution.

Amber 1200/4

The DUPLO system enables to dose fertilizer in individual sowing rows; simultaneous sowing and fertilizer spreading. Through independent dosing system, it provides high sowing precision and efficiency.

SeedListing or combination of seeding with fertilizing metering system (optional in DUPLO).

The harrow scraper with individual rigid springs allow to drain and level the surface of the soil above sowing rows to prevent soil surface clumping.

Mechanical system distribution using double measuring rollers with a high-resistance gear box provides even sowing and seed distribution.

Amber 900 in the mounted version with a rubber roller is a compact solution for situations where high manoeuvrability of the machine is crucial.

The DUPLO system enables to dose fertilizer in individual sowing rows; simultaneous sowing and fertilizer spreading. Through independent dosing system, it provides high sowing precision and efficiency.

Single-disc coulters of the diameter of 40 cm and a pressure of 100 kg guarantee reliability and durability. The AMBER-type coulters allow you to work in difficult conditions and on stony fields where the resistance of the coulter determines the machine’s sowing capacity.

The harrow scraper with individual rigid springs allow to drain and level the surface of the soil above sowing rows to prevent soil surface clumping.

Mechanical system distribution using double measuring rollers with a high-resistance gear box provides even sowing and seed distribution.

Amber 900 in the mounted version with a rubber roller is a compact solution for situations where high manoeuvrability of the machine is crucial.

The harrow scraper with individual rigid springs allow to drain and level the surface of the soil above sowing rows to prevent soil surface clumping.

Mechanical system distribution using double measuring rollers with a high-resistance gear box provides even sowing and seed distribution.

Amber 900 in the mounted version with a rubber roller is a compact solution for situations where high manoeuvrability of the machine is crucial.
**AMBER 3000/3100/3500**

**Mechanical seed drills**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3000</td>
<td>3</td>
<td>24</td>
<td>120-140</td>
<td>2500</td>
</tr>
<tr>
<td>3100</td>
<td>3,5</td>
<td>28</td>
<td>140</td>
<td>2950</td>
</tr>
<tr>
<td>3500</td>
<td>4</td>
<td>32</td>
<td>140-160</td>
<td>3100</td>
</tr>
</tbody>
</table>

**Seed hoppers** of the capacity of 3000 or 3500 dm³.

**AMBER 3000/3 + CULTIVATION UNIT**

- **Hitch Packer** compacts the soil between the tractor wheels.
- **Hydraulic markers** with a special folding system.
- **Parallel disc harrow** with discs 460 mm and a tyre roller 670 mm.
- **Single-disc coulters** of a diameter of 400 mm or double disc “V-TECH” coulters of the diameter of 360 mm with a lateral ground-following wheel.

**Hydraulically adjusted front levelling board** allows to crush soil lumps and level the surface of the soil before sowing, thus making depth control easier.

**Standard version of AMBER** with optionally installed coulters and depth limiters on wheels and a front leveller.

**Front PACKER roller** compacts soil between the tractor wheels, which facilitates uniform pre-sowing cultivation.

**The double disc coulter** of the diameter of 36 cm and the pressure of 40 kg, coupled with a wheel with independent ground-following of soil to place the seeds at the same depth despite terrain irregularities.

**The fertilizer and the seed hopper space** is divided by an adjustable partition, which allows for maximum opening it for seeds or fertilizer (up to 1/3 of the hopper).

**Section with 460 mm Premium cultivating discs** on 175 x 13 rubber shock absorbers. Compaction roller of tyre roller-type enables to restore the soil to the proper structure before sowing.
ALFA mechanical seed drill for aftercrop, fertilizer

In a fertilizer version, the hopper is made of stainless steel.

Construction enables to assemble on other UNIA machines.

The machine can be assembled in factory on a number of units manufactured by UNIA (KOS T, KOS, ARES, CUT, CROSS).

Possible options with various numbers of spreaders suitable for a wide range of applications.

Spreading bar in L-models enables sowing of seeds over the entire sowing width with easy compaction control.

Fertilizer solutions installed on the three-point suspension system provide easy tractor weight control and separate distribution of fertilizer and seeds.

Row-sowing unit can precisely sow fine seeds or fertilizers.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>NUMBER OF SOWING UNIT (PCS.)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>170</td>
<td>2.6</td>
<td>7</td>
<td>100</td>
</tr>
<tr>
<td>220</td>
<td>3</td>
<td>8</td>
<td>120</td>
</tr>
<tr>
<td>240</td>
<td>4</td>
<td>30</td>
<td>220</td>
</tr>
<tr>
<td>550</td>
<td>3</td>
<td>25</td>
<td>265</td>
</tr>
<tr>
<td>750</td>
<td>3</td>
<td>12</td>
<td>230</td>
</tr>
<tr>
<td>MODEL</td>
<td>WIDTH (M)</td>
<td>NUMBER OF SOWING UNIT (PCS.)</td>
<td>WEIGHT (KG)</td>
</tr>
<tr>
<td>-------</td>
<td>-----------</td>
<td>------------------------------</td>
<td>-------------</td>
</tr>
<tr>
<td></td>
<td>Electric</td>
<td>Hydraulic</td>
<td>Electric</td>
</tr>
<tr>
<td>200</td>
<td>6</td>
<td>8</td>
<td>—</td>
</tr>
<tr>
<td>500</td>
<td>12</td>
<td>—</td>
<td>16</td>
</tr>
</tbody>
</table>

Two capacities of tank
200 or 500

**ETA pneumatic seed drill** mounted on AKCENT weeder harrow is an interesting solution for those who want to ecologically control the amount of weeds on their field.

**Basic control**
5.2 control computer allows for manually control of seed drill functions without the use of additional sensors at a constant working speed.

**Hydraulic drive**
dedicated to a working width of 6 to 12 meters. In the ETA 500 version, also with an increased number of spreaders.

**Electric drive**
provides effective operation up to 6 working meters in ETA model 200.

**Pneumatic cover crop seed drill**
may be mounted on folding combined units due to flexible seed/fertilizer conduits.

**The 5.2 computer**
allows for full control sowing, conducting automatic seed calibration test, connecting the sensors for the seed drill control, regardless of the operating speed of the machine.

**ETA pneumatic seed drill**
mounted on AKCENT weeder harrow is an interesting solution for those who want to ecologically control the amount of weeds on their field.
DELTA / DELTA H
pneumatic precision seed drills

<table>
<thead>
<tr>
<th>MODEL</th>
<th>WIDTH (M)</th>
<th>FERTILIZER TANK (L)</th>
<th>NUMBER OF COULTERS (PCS.)</th>
<th>POWER DEMAND (HP)</th>
<th>WEIGHT (KG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4</td>
<td>3</td>
<td>2×200</td>
<td>4</td>
<td>45</td>
<td>1050</td>
</tr>
<tr>
<td>K6</td>
<td>4,2</td>
<td>4×200</td>
<td>6</td>
<td>60</td>
<td>1350</td>
</tr>
<tr>
<td>K8</td>
<td>6</td>
<td>4×200</td>
<td>8</td>
<td>80</td>
<td>1700</td>
</tr>
<tr>
<td>K6H</td>
<td>4,2</td>
<td>1×850</td>
<td>6</td>
<td>100</td>
<td>2000</td>
</tr>
</tbody>
</table>

Large capacity seed hopper of 6 × 54 l

Row spacing adjustable through a hydraulic system (model H)

Delta sowing section

DELTA K4 has two fertilizer hoppers of the capacity of 200 litres each.

The markers fold in half, allowing to transport the machine even under low obstacles.
The computer for sowing control allows to fully collect sowing data (sowing distance, sowing density and the daily output). The computer also prevents from idle runs.

The transport of fertilizer to the external coulters is performed pneumatically, which significantly increases the uniformity of fertilizer dosing across the entire operating width of the machine.

The gear wheel allows to easily control the required distance between seeds.

Two independent seeds selectors enable precise separation and as a result, their homogeneous distribution on the field. Precise setting translates into precise sowing.

The fertilizer disc coulter can work on the fields with high amount of post-harvest waste.

Folding frame (H) enables to fold the unit up to the transport width of 3 m and to change row spans of 75, 70, 65 cm, which helps to better spread the plants on the field and adjust the sowing pattern to the type of the sown seeds.

The grid is made of stainless steel. Revision openings, visible from the tractor cabin allow you to assess the amount of seeds in the hopper.

MICRO dispensers allow to sow start dose of fertilizer in the form of micro-granules.

Stepless gearbox allows for free adjustment of the fertilizer dose, and the calibration test, if performed, accurately determines the applied fertilizer dose.

PM100 E allows to control the sowing sections and check if the seeds fall out of the section and thus avoid idle runs.

PM300 E computer for sowing control allows to fully collect sowing data (sowing distance, sowing density and the daily output). The computer also prevents from idle runs.
KRUK mechanical precision seed drills for vegetables

KRUK B4

Openwork pressure rollers
soil clumping

Adjustable sweep

Seed hopper capacity
0.45 dm³

KRUK mechanical precision seed drill
is available in two versions: A and B (manual versions) and A1 and B1 and more rows (trailed versions).

Aluminium body
prevents electricity build-up on seeds.

The sowing section
may be equipped with one or two distributors, depending on the vegetables sowing technology.

A system of wheels
with 30 sowing cups enables precise sowing. The cups must be correctly selected to match the size of the seeds.

The seed drill may be composed
from 2 to 8 sections, depending on the sowing and the cultivation technology.

Adjustable support wheels
are responsible for the operation of the machine on sowing coulters.

KRUK

<table>
<thead>
<tr>
<th>MODEL</th>
<th>NUMBER OF ROWS (PCS.)</th>
<th>WIDTH (M)</th>
<th>WEIGHT (KG)</th>
<th>POWER DEMAND (HP)</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>—</td>
<td>13</td>
<td>manual</td>
</tr>
<tr>
<td>A2*</td>
<td>2</td>
<td>1,8</td>
<td>126</td>
<td>30</td>
</tr>
<tr>
<td>B</td>
<td>2</td>
<td>—</td>
<td>23</td>
<td>manual</td>
</tr>
<tr>
<td>B2*</td>
<td>4</td>
<td>1,8</td>
<td>156</td>
<td>30</td>
</tr>
</tbody>
</table>