

Mounted Mechanical Seed Drills



EcoLine, Profiline
and Vibro Seeder

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EcoLine

Lightweight and Accurate



Ideal for small and medium-sized farms, the EcoLine drill can be operated either as a solo machine behind the tractor or in combination with a tined cultivator, power harrow or Rotavator. The lightweight nature of the EcoLine drill (3m model = 499kg) makes it particularly suitable for smaller tractors, and due to the fact that the hopper forms part of the frame the construction of the drill is very robust. Possible row spacing 10, 12, 13, 14 or 16 cm.

Equipped with

Suffolk coulters (EU) or single disc coulters (ER). The use of ER coulters with depth control skids is recommended for optimal adjustment of sowing depth.

Features

- Excellent flow of soil and residues through the coulter bar.
- Accurate seeding precision regardless of coulter position.
- Highly even germination through exact seed depth placement.
- Accurate and reliable metering system drive from tractor pattern 7.00X12 tyres.
- Coulter pressure is adjustable manually by crank handle (std) or hydraulically (optional)
- Electronic tramlining and hydraulic marker arms (optional).
- Pre-emergence markers facilitate plant protection before germination (optional).
- Sieves prevent seed contamination (optional)
- Integrated toolbox for storage of tools, spare parts etc



Suffolk coulters (EU).



Wing-Flow following harrow.



Single disc coulters (ER).



Vario-K gearbox for stepless adjustment of application rate.



Quick hitch for easy coupling. (optional)



Tractor profile tyres including scraper. (optional)



Technical specifications

	EcoLine 250	EcoLine 300
Working width, cm	250	300
Transport width, cm	250	300
Weight without rear harrow, kg (approx)	465	508
Height, cm	139	139
Filling height, cm	128	128
Hopper volume, litres	446	556
Hopper capacity, kg wheat	334	417
Number of Suffolk coulters	17/19/21	19/21/23/25/29
Number of single disc coulters	17/19	19/21/23
Number of coulter rows	2	2
Distance between rows, cm	33	33
Drive	Stepless gearbox	Stepless gearbox
Seed wheels	Pegged rollers	Pegged rollers
Tyres	7.00X12	7.00X12

Options

- Remote seed rate adjustment
- Hydraulic markers
- Pre-emergence markers
- Tramlining computer
- Hopper sieve 17 mm
- Grass seed box
- Fertiliser box
- Adjustable hydraulic coulter pressure

Profiline

High capacity All-rounder



A real universal and versatile seed drill, ideal for professional farmers. The Profiline is available in working widths of 3, 4 and 4,5 m and with a hopper volume of up to 1200 l makes it suitable for medium and large-scale farming operations.

A weight-saving feature of the Profiline is that the hopper forms part of the frame of the drill, but without sacrificing strength and rigidity.

Possible row spacing 10, 12, 13, 14 or 16 cm.

Equipped with

Suffolk coulters (EU), single disc coulters (ER) or double disc coulters (DR). For optimal adjustment of drilling depth the DR coulters together with rubber press wheels is recommended.

Features

- Operates as a solo machine behind the tractor or in combination with a tined cultivator, power harrow or Rotavator.
- Accurate seeding precision regardless of coulters position.
- Highly even germination through exact seed depth placement.
- Accurate and reliable metering system drive from large wheels 6.00X16 or 10/80X12 tyres.
- Integrated toolbox for storage of tools, spare parts etc.
- Coulter pressure is adjustable manually by crank handle (std) or hydraulically (optional).
- Even distribution of straw residues and even seed covering with optional following harrow.
- Fine seed and fertilizer hoppers (optional).
- Pre-emergence markers facilitate plant protection before germination (optional).
- Sieves prevent seed contamination (optional).



Double disc coulters (DR) with rubber press wheels. (optional)



Heavy duty frame construction.



Accurate and reliable metering system driven by large wheels. (optional)



Pre-emergence markers. (optional)



Fine seed fingers for reducing the application rate.



Hydraulic drill linkage for mounting the seed drill on cultivator.



Technical specifications

	Profiline 300	Profiline 400	Profiline 450
Working width, cm	300	400	450
Transport width, cm	312	419	469
Weight without rear harrow, kg (approx)	728	908	970
Height, cm	146	146	146
Filling height, cm	135	135	135
Hopper volume, litres	741	1052	1201
Hopper capacity, kg wheat	555	789	900
Number of Suffolk coulters	21-25-29	33	37
Number of single disc coulters	21-23	31	35
Number of double disc coulters	21-23	31	35
Number of coulters rows	2	2	2
Distance between rows, cm	33	33	33
Drive	Stepless gearbox	Stepless gearbox	Stepless gearbox
Seed wheels	Pegged rollers	Pegged rollers	Pegged rollers
Tyres	6.00 X 16	10/80 X 12	10/80 X 12

Standard

- Hydraulic markers

Options

- Remote seed rate adjustment
- Pre-emergence markers
- Hopper sieve 17 mm
- Grass seed box
- Tramlining computer
- Adjustable hydraulic coulters pressure

Vibro Seeder

Precision and clout in the field



Kongsilde Vibro Seeder is a tine seeder combination, for minimum tillage seeding operations in unploughed conditions.

Tine seeding

Seeding behind cultivator tines instead of through seed coulters has some advantages:

- Field residues are incorporated into the soil together with the seeding operation
- Strong penetration of the soil due to the heavy spring loaded tines, allows deep seeding of peas and other crops demanding higher seeding depths.
- The number of passes on the field is reduced, as the last soil preparation is done together with the seeding operation
- The seeding depth is equal to the working depth, and the seeds are therefore placed on firm soil, which leads to a fast germination

Seed distribution

- Individual metering for each distributor head gives a precise distribution
- Distributor heads placed close to the seed coulters gives a short transport and a high precision in the distribution
- Reliable mechanical metering system by the stepless Vario-K gearbox
- Stable and dampened land wheel gives precise drive of the gearbox.

Seed coulters / tines

- 150 mm row spacing
- Seed coulters are attached to the rear of the vibrating Kongsilde VTH tines
- Precise placement of the seeds on firm soil ensures fast germination
- When working in stony conditions, it is possible to keep the seeding depth as the VTH tine quickly comes back to its position after release

Open frame

- 4 rows of tines at 630 mm distance
- 630 mm frame clearance
- Easy passage of field residues
- No wheels are placed inside the frame, resulting in an optimal symmetric tine pattern
- Hydr. accumulator system on the wings secures a good following of the field contours

Rear harrows

- Option of Max Flow or Wing flow rear harrow combinations
- The rear harrows are hung up in spring loaded parallelograms, which ensures a good levelling of the seed rows and contours in the field.



Easy access to the seed hopper.



Vario-K stepless transmission.



Hydraulic markers.



The compact design ensures the load close to the tractor.



Precise depth control is achieved by the large low flotation tractor pattern tires.



Frame folding in 2 sections ensures 3,0 m transport width.



Use of the front hopper gives a good weight distribution.



4 rows of tines allows easy passage of field residues.



Max flow rear harrow.



Wing flow rear harrow.

Large hopper

- Option of 1100 or 1900 liters front- or rear mounted seed hoppers allows many hectares of seeding per fill-up.
- Easy access to the hopper platform for quick filling with big-bags.
- The rear mounted hopper is positioned close to the tractor, which limits the demands of lifting capacity.
- The front mounted seed hopper offers flexibility, and the hopper can also be used in other implement configurations
- The front hopper improves the weight distribution of the complete seeding unit

Technical data Vibro Seeder	VS 500 H	VS 600 H	VS 500 HF	VS 600 HF
Placement of the seed hopper	Rear	Rear	Front	Front
Working width, m	5	6	5	6
Number of outlets, pcs	32	40	32	40
Row distance, cm	15	15	15	15
Hopper volume, l	1100	1100	1500/1900	1500/1900
Hopper volume, kg wheat	825	825	1125/1425	1125/1425
Transport width, m	3	3	3	3
Transport height w. markers, m	3,4	3,9	3,4	3,9
Weight empty w.o. accessories, kg (incl. hopper)	2700	3000	2675	2975
Tractor requirements, HP	130	150	130	150
Wing Flow rear harrow	Optional	Optional	Optional	Optional
Max Flow rear harrow	Optional	Optional	Optional	Optional
Hydr. markers	Optional	Optional	Optional	Optional



Easy filling of the hopper with big-bags.



Seed Drill Technic

In the European market the lion's share among seed drills is at a working width of 3m. Only working widths above 4,5 m make the choice of pneumatic drills with a central hopper preferable, while widths from 2,5 to 4,5 m can be combined with seedbed-preparation implements in an optimal way.

KONGSKILDE mechanical drills rely on decades of experience in design and manufacturing technology.

Today they are produced by latest technologies at highest quality – standards.

The KONGSKILDE - series EcoLine, ProfiLine and MasterLine offer always the right specification to all requirements and farm-sizes.

Three different types of coulters make the machines suitable to all kinds of soils and every intensity of seedbed-preparation.

EcoLine and ProfiLine can be used as a solo-machine or together with an "up and over"-lift behind compact-harrows or power-harrows. Whereas MasterLine is the perfect build-on seed drill for use on big farms or by contractors.

All series can perfectly be completed by a wide range of optional equipment, which also can be retrofitted even after years of use.

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