



Kverneland DG II
HIGH PERFORMANCE SEED DRILL

WHEN FARMING MEANS BUSINESS

Realising the full potential of farming is about growing and developing your business, not only your crop or livestock, but also your profit. Improve productivity and profitability by focusing on the positives and minimising disadvantageous aspects, through strong, dedicated management.

Success springs from determination and clear targets, from laying down the appropriate strategy and allocating correct investments for the future. Quality results require the right ideas and equipment. When there is work to be done, you need the optimal setup and smart solutions that support you towards an easier, more profitable way of working. You need solutions that make tough and demanding conditions less complicated.





Effective sowing means speeding up when the soil is exactly right, in order to give your crop a head start.



PLACEMENT

PERFORMANCE

EFFICIENCY

FLEXIBILITY



EFFECTIVE SOWING FOR BEST FIELD EMERGENCE

Performance

When the time is right, you want to sow immediately. Tomorrow conditions may be worse, so speed and high performance is important. You need a machine that has the right capacity to finish the job in time.

Flexibility

You want to be flexible. Soil structure is not the same in every field, nor are working conditions. For best results the DG II adjusts automatically with the Active-on system and ELDOS electric driven metering device. ISOBUS technology – to be efficient.

Efficiency

The seed drill has been designed with high capacity, the lowest weight possible and requires a relatively low pulling force. The DG II offers high performance and operator convenience, to achieve consistently good results - even at higher speeds.

Placement

Once you have configured your machine, you want to rely on a perfect execution. The Kverneland DG II with the CD coulter ensures excellent seed placement. Not too deep, not too shallow. So it will germinate perfectly into a great crop.

Highest efficiency in sowing.

AT A GLANCE

BEST SEED-QUALITY

The machine's clear layout and the high level of incorporated intelligent technology offers the user maximum ease of use, from set-up and filling, to transport and the seeding operation. With working widths of 9 or 12m and a hopper capacity of 6,000 l, its performance is unequalled. Up to 140 ha in one day!

Save of costs and time.

1

Easy Filling

The hopper can easily be filled using big bags and a front loader or telescopic handler. The hopper can also be filled from a scissor trailer and grain auger, thanks to the well-planned layout. The 6000 litre hopper capacity is one of the largest in its class and makes the DG II one of the top performers!

2

Sowing at uniform depth

The heart of the machine is its coulters. The narrow profile of the coulters with their slightly offset steel discs allows easy penetration into the soil. Nearly all of the coulters pressure (as much as 80kg) can be used on the integrated press wheels. The result: uniform seeding depth even at high working speeds.

3

Covering the seeds

Harrowing the soil completes the seeding. S-shaped or finger harrows ensure an optimum covering of the seeds. The working intensity can be set by the stepless pressure adjustment.



OPTIMUM SEED PLACEMENT WITH ELDOS® AUTOMATIC AND SAFE

ELDOS® is the **electric driven metering device** for Kverneland pneumatic seed drills. It is state-of-the-art technology for perfect seed placement.

ELDOS® is controlled by the Kverneland e-com software, which is fully **ISOBUS compatible**. By the automatic section control, GEOCONTROL, the metering device stops/starts automatically. Double and/or missed seeding on headlands or odd-shaped fields is avoided. Special sensors ensure complete functionality from the tractor cab.

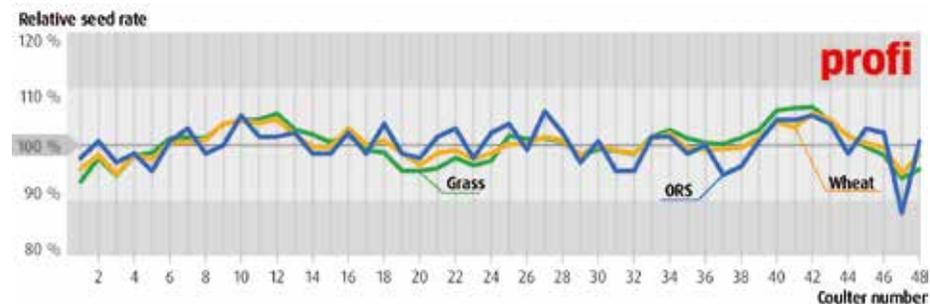
Calibration is automatic, and a range of interchangeable seed metering rotors can be swapped - even when the hopper is full - without the need for tools. Sensors monitor the metering rotors, and give a warning if the wrong metering rotors are accidentally installed.

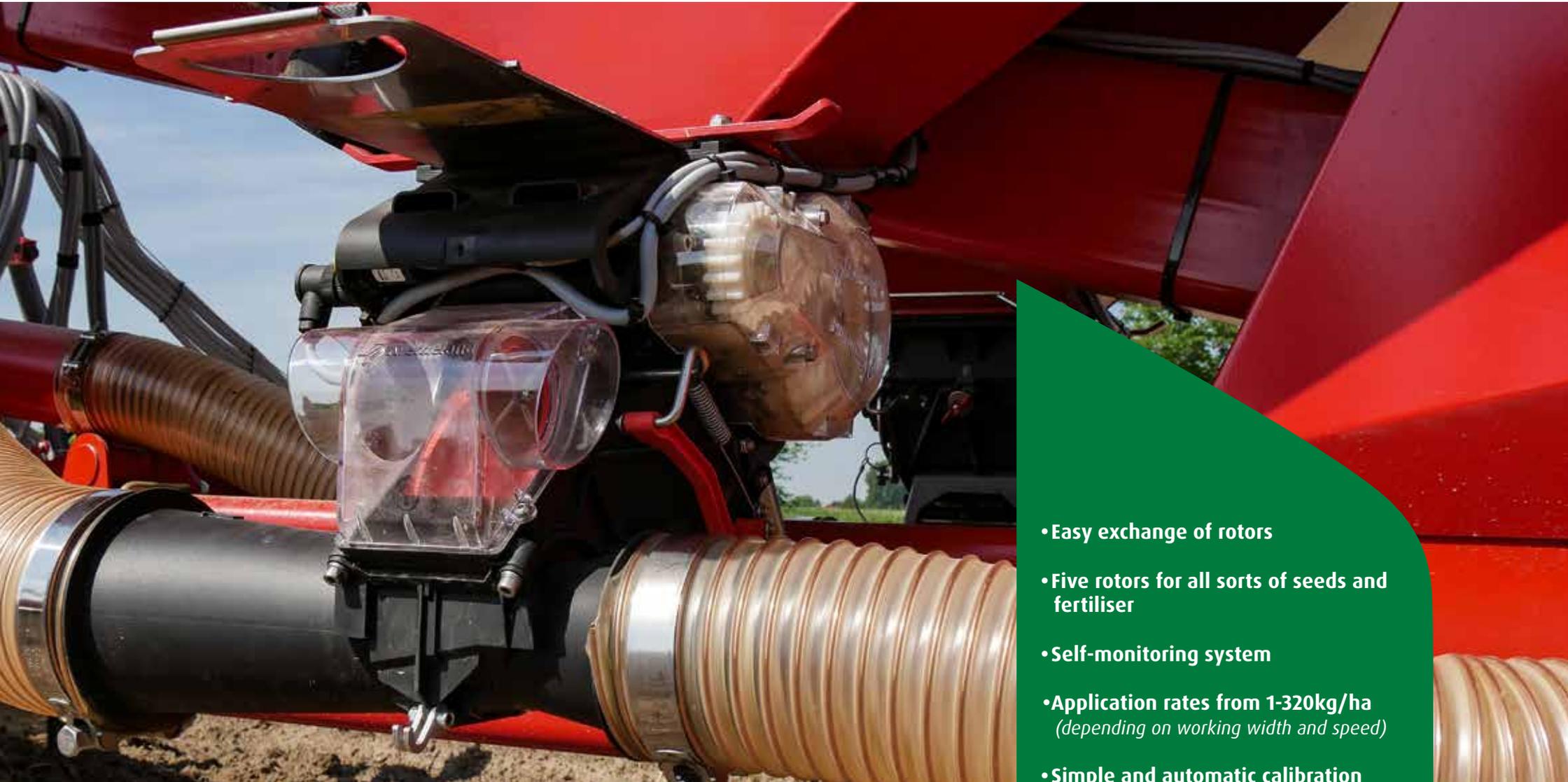
Good results of seed rate variation across the drill.

According to the test from Profi magazine,, the coefficients of variation of seed rate across the drill (i.e. the spread around the average) were 2.7% for wheat, 3.3% for grass and 3.7% for OSR.

Seed rate is pretty consistent across the width of the drill, showing maximum errors of 12% (OSR), 7% (wheat) and 7% (grass). Graph: ST.

Source: Magazine Profi





- Easy exchange of rotors
- Five rotors for all sorts of seeds and fertiliser
- Self-monitoring system
- Application rates from 1-320kg/ha
(depending on working width and speed)
- Simple and automatic calibration



6000 L

Large hopper capacity for maximum field performance and shorter set-up time.

320 kg/ha

Seed rates up to 320 kg/ha depending on working widths and driving speed.

DG II -STRONG FRAME DESIGN

HIGH STABILITY AND RELIABILITY!

The Kverneland DG-II combines high performance, safe, rapid transport, ease of adjustment, and short preparation times in one machine. Often large machines offer limited visibility and manoeuvrability. Not so with the Kverneland DG-II! From the tractor cab the operator has the entire machine in view, the working procedures can be monitored constantly and conveniently. The Kverneland DG-II offers the perfect balance between size and compactness!

The DG II is quickly set up for operation: All important settings can be controlled from the in-cab display, starting from the simple calibration up to any adjustments in field. With on the go adjustment of seeding depth, coulter pressure and automatic headland management, the DG II offers operator comfort and safe application.

High performance up to 12ha/h.

In order to give sufficient support to the 6000l seed hopper and two-section coulter bar, Kverneland developed a sturdy frame design for the DG II that distributes the weight of the machine evenly between the carrier axle and the tractor.

Large sized wheels (800/45 x 26.5) ensure safe handling on the road and low pressure on the soil. In the working position the independently mounted toolbars are supported by support wheels that ensure accurate tracking and seed depth for the individual coulters during the seeding operation.

Powerful hydraulic cylinders guarantee safe conversion from the transport position to the working position and vice versa!



12 times longer lifetime

Fully integrated maintenance-free disc bearings provide an easy flow, thanks to durable bushes, exclusively designed for Kverneland.

Self-cleaning press wheels

The press wheels (Ø 380mm) are made of special rubber with a self-cleaning effect.

Centrally controlled seed depth

The seed depth adjustment is controlled centrally via the ISOBUS terminal.

Just one sort of coultter

Clear overview and simplified maintenance.

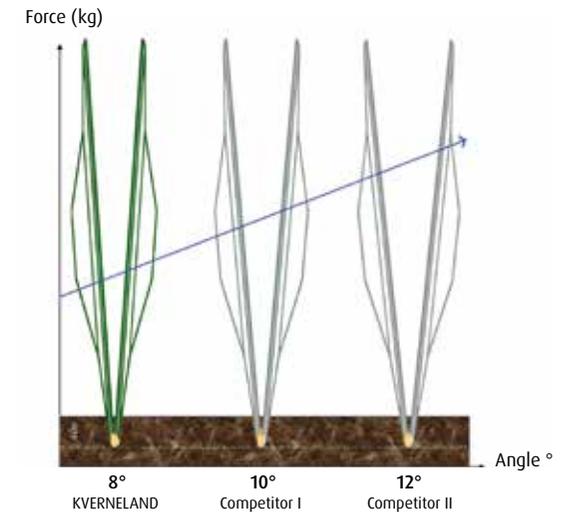
CD COULTER

FOR PERFECT SEED PLACEMENT



Thanks to the very slim design of the **CD coulters**, there is only a small amount of soil being moved. Therefore you need less pressure to achieve the right seeding depth. Thus, more of the available coulters pressure can be led to the press wheels. The result is a very even seed application.

Up to 25% less penetration force needed.



Lower fuel consumption with narrow profile of CD coulters

The CD coulters of the DG II has an extremely narrow profile design, with an angle of only 8°.

There is a clear relation between the angle of the seed cutting disc and power requirement: the smaller angle requires less power and less fuel.



EXCELLENT AND CONSTANT PENETRATION ALWAYS THE RIGHT PRESSURE WITH ACTIVE-ON

With Kverneland's "Active-on" system, the coulter pressure can be adjusted up to a maximum of 80kg. The system benefits from the interaction between the coulter pressure and the pressure of the coulter toolbars across the entire width of the machine. Where coulter pressure is high (retracted cylinder), the pressure on the coulter toolbars is increased. This in turn produces a back pressure for the coulters, which results in excellent coulter penetration!

With the series e-com model, the pressure can be adjusted to between 0 and 90 bar from the convenience of the control unit located in the tractor cab. The "Active-on" system actively regulates the coulter pressure with the help of individual pressure sensors, thus guaranteeing that the set pressure is maintained in order to ensure the precision and consistency of the sowing depth. In order to reduce the load on the toolbar wheels when turning at the headland, the coulter pressure/coulter bar pressure is always neutralised and then automatically increased again to the pre-set value when the coulter bars are lowered again. Kverneland engages in active, intelligent prevention of wear!

Active-on regulates the pressure automatically.



HEADLAND MANAGEMENT FOR UTMOST PRODUCTIVITY

The DG II comes with a fully automated headland management system. This saves the driver lots of time and eases the operation.

Extremely operator-friendly.

Using just one button, the DG II operator can initiate a headland sequence with track eradicators, track markers and coulter bar all capable of automatic operation in timed stages. The track marker arms do not fold completely in parking position to save time when turning.

Together with the SEEDER CONTROL function as the headland sequence starts, the metering device ELDOS® stops automatically - avoiding double seeding. The seed hoses are empty at the headland. This saves up to 5% of seed.

The driver can concentrate on driving the machine and its correct operation. With headland management the job can be done more quickly, precisely and efficiently with double and/or missed seeding prevented. The drill requires only one double-acting spool to operate. One additional spool is needed if a clod board is in use but this is not perated during a headland turn.

Thanks to the excellent manoeuvrability of the machine – even at working widths of 9 to 12 metres – seamless coverage of the field is no problem. Due to a maximum pivoting of 90°, considerable time is saved during turning at the headland. The track marker can also be integrated in the headland turning procedure. The Kverneland DG-II is the very essence of stress-free work!





5 %

No double seeding on
headlands saves up to
5% of seeds.



FIRST CHOICE WITH SEEDBED PREPARATION FOR A PERFECT SEEDBED AND MAXIMUM GROWTH

The combination of seedbed preparation and seeding is possible in one pass.

①

Clod board

To achieve a perfect seedbed Kverneland recommends the use of the DG II with hydraulic clod board. The DG-II is the only machine in the trailed seed drill category with the optional offer of a clod board to pre-work and level the seedbed. The paddles are individually mounted and sprung to protect against overload. Depending on soil quality and the traction available, the operator can adjust the clod board more or less aggressively in order to achieve an optimum seedbed. If the clod board is taken out of operation, less power is required and thus less fuel per hectare. Flexible technology that reduces costs!

②

Track eradicator

For perfect seed placement, tines loosen the tracks of both the tractor and the seeder. All three types of track eradicators are overload protected and pre-loaded with spring pressure. Kverneland particular recommends their use on ploughed land.



SAFE ROAD TRANSPORT

COMPACT AND MANOEUVRABLE DESPITE THE SIZE



The machine tows exceptionally well due to the sturdy axle and floatation wheels. It can be authorized to be towed at speeds up to 40 km/h. With a width of 3 metres and a height of 4 metres, its dimensions are within European traffic regulation standards. The machine dimensions also allow it to pass through standard bridges and tunnels.

The road lights and fixed warning signs are fitted as standard to ensure in combination with the optional dual-circuit air brakes (or hydraulic brake) compliance with traffic regulations. The machine's great manoeuvrability and ease of transport ensures that lower lying fields and small pockets of land can also be reached.

Up to 40km/h on the road.





HIGH USER CONFIDENCE

SHORT SET-UP TIME AND GOOD ACCESS

The Kverneland DG II impresses with its easy accessibility for setting and maintenance.

Excellent access to the metering devices for setting and cleaning, even when the coulter bar is folded. A calibration bag and set of digital scales are supplied as standard. With the ISOBUS compatible e-com model, the calibration tests are carried out electronically rather than manually.

The hopper can easily be filled using big bags and a front loader or telescopic handler. There is no need for unfolding the machine. The hopper can also be filled from a scissor trailer and grain auger, thanks to the well-planned layout. The 6000 litre hopper capacity is one of the largest in its class and makes the DG II to one of the top performer!

User friendliness is no art – it's an absolute necessity!

The hopper is fitted with an access platform system ideal for maintenance purposes and the monitoring of the filling operation. The inside platform is accessible via the standard access ladders. Rungs located inside the hopper ensure safe access into the hopper.

A close fitting hopper cover protects the seed from dust and water and can easily be opened and closed with the help of the quick release locking lever. The positioning of all the major components is well organised and clear. The fan hydraulics and electronics are located in front of the hopper.



iM CALCULATOR APP

FREE TO DOWNLOAD

With GPS it is possible for the farmer to accurately seed, spread and spray without any overlap. The iM Calculator app calculates the cost saving by using those GPS functionalities.

Save seeds and money!

After filling in the required data, the calculator clearly shows what you can save in terms of money.

The amount of seeds saved depends on the size and shape of the field and may amount to more than 5%.

The iM Calculator app for tablets is free to download from the App Store or Google Play.

Please find the online calculator on our homepage:
<http://imcalculator.kvernelandgroup.com/#/>







MANAGE YOUR FARM AS A BUSINESS WITH OUR ISOMATCH PRECISION FARMING OFFERING

Our precision farming offering is essential in managing your farming business with success. Applying electronics, software, satellite-technology, online tools and Big Data enables you to use your farming equipment more effectively and reach higher profitability of your crops.



*iM FARMING - smart,
efficient, easy farming*

*Speed up on the path towards
connected agriculture.
We offer you numerous options
and solutions for how to produce
more with less; utilise inputs
more efficiently and thereby
increase profits and
sustainability.*

Enhance your success with e-learning

IsoMatch Simulator is a free downloadable virtual training program. It simulates all functions of the IsoMatch Universal Terminals and Kverneland ISOBUS machines. Train yourself and make yourself familiar with your machine to avoid errors and enhance your machine performance.

The best overview in farm management

IsoMatch FarmCentre is the first of a series of telematics solutions. This fleet management solution is applicable for your ISOBUS machines in combination with an IsoMatch Tellus GO/PRO. Whether you wish to control your fleet, manage tasks remotely or analyse machine performance data, IsoMatch FarmCentre provides this in an efficient web application, linking implements, tractors, terminals and the cloud in one continuous flow of data and connectivity.





ISOMATCH PRODUCTS



*Improve your performance
Maximum efficiency, minimum waste*

Be a PRO in increasing productivity

The **IsoMatch Tellus PRO** 12-inch terminal provides you with the optimal solution for an all-in-one control system inside the tractor cab. It is the centre for connecting all ISOBUS machines, running precision farming applications and Farm Management Systems. It offers everything you need to get the maximum out of your machines and crop, as well as cost savings in fertiliser, chemicals and seeds by using automatic section control and variable rate control. With the unique dual screen functionality it gives you the

opportunity to view and manage two machines and/or processes simultaneously.

Easy control management

The **IsoMatch Tellus GO** is a cost-efficient 7-inch terminal, especially developed for managing the machine in a simple way. Easily set up the machine with the soft keys and simply use the hard keys and rotary switch for optimal control while driving.



Reduce overlap and save up to 15% on input costs with IsoMatch GEOCONTROL

Maximum savings!
The IsoMatch GEOCONTROL precision farming application includes Manual Guidance and Data Management free of charge. It is possible to expand this application with Section Control and/or Variable Rate Control.



NEW

IsoMatch Grip

This ISOBUS auxiliary device is made for maximum machine control and efficient farming. Operate up to 44 implement functions from one device.



IsoMatch Global

GPS antenna enabling satellite navigation for site-specific section control, variable rate application, manual guidance and field registration.



IsoMatch InLine

Light bar for manual guidance including section status information. Manage the distance from the A-B line and steer for the ideal position.



IsoMatch (Multi)Eye

Connect up to 4 cameras to the IsoMatch Universal Terminals. It gives you full control and overview of the entire machine operation.

ORIGINAL PARTS & SERVICE

ONLY ORIGINAL PARTS WILL KEEP YOUR MACHINE A KVERNELAND

Did you know that Kverneland parts are manufactured to the same high standards and strict specifications as Kverneland machines? Original Parts will always work and fit as intended, and are guaranteed to keep your machine running at maximum performance.

Kverneland has been a symbol of quality since 1879. The experience we have, combined with a constant strive to improve our products, ensures that the best parts are available for your Kverneland machine. Parts and service surround your machine with a safety-net. The quality of the machine ensures optimal usage and the quality of the parts provide a low life-cycle cost and longer wearing time.

Our long term relationship starts at the purchase of your Kverneland machine, and we will continuously stay by your side for support and assistance. We will guide you on the way to make sure you achieve maximum performance, productivity and profit.

Do not compromise quality with cheap solutions, remember that only Original Kverneland parts are the guaranteed solution to achieve what is expected by a Kverneland machine.



YOUR PARTS SPECIALIST

Through our worldwide dealer network you will find your local dealer, who is always prepared to assist you. Your Kverneland dealer knows every inch of your machine and will gladly provide the expertise needed to ensure that you are operating at maximum potential.

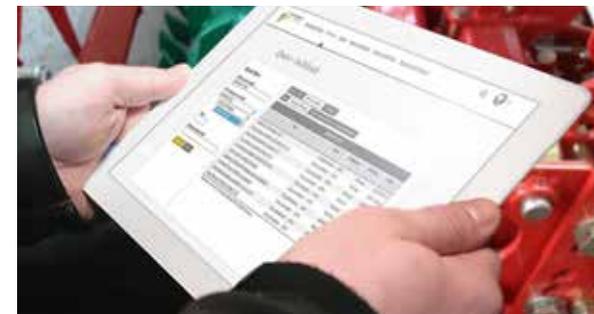
Your parts specialist has got all the parts that you need and will also have the facilities to service your machine. Make sure to visit your Kverneland dealer on a regular basis to be updated on promotions and product news that you will not find elsewhere.



ALWAYS AVAILABLE

Time is money, and we know the importance of receiving the right parts at the right time! Your Kverneland dealer is supported by a massive distribution network to supply you with exactly what you need, when you need it.

Our main distribution centre is located in Metz, France. A strategic location for distributing parts to all corners of the world. With over 70,000 parts in stock and 24/7 service, we are ready to supply you with parts – at any time!



EASY ACCESS TO INFORMATION

Are you looking for a complete overview of parts for your machine? Maybe you are searching for more technical information? Our Online Search Database, *Quest*, has all of the information available for your machine, gathered in one place.

Various documentation like Parts Manuals, Operation Manuals, Software updates and FAQ's are all there. *Quest* is available in several different languages and can be accessed wherever and whenever. All answers are easy to find – just a few clicks away !

TECHNICAL DATA

Model	DG II 9000	DG II 12000
Working width (m)	9.00	12.00
Transport width (m)	3.00	3.00
Transport length (m)	8.55	8.55
No. of metering devices ELDOS®	2	2
Seed rate (kg/ha)	1 - 320kg	1 - 320kg
Hopper capacity (l)	6,000	6,000
Filling height (m)	3.10	3.10
Required oil volume	> 110l/min	> 110l/min
Single-acting hydraulic valve + zero-pressure return for fan drive	●	●
1 x double-acting hydraulic valve for machine control	●	●
Power requirement 12 V > 70 A	●	●
Elektro-hydraulische Einstellung der Ablagetiefe via ISOBUS Terminal	●	●
No. of CD coulter	72	96
Coulter pressure up to 80kg (Active-on system)	●	●
Press wheels (Ø 380 x 50 mm)	●	●
Scraper of press wheels	○	○
Row spacing (12,5 cm)	●	●
Coulter staggering 17,5 cm	●	●
Electronic adjustment of the seed quantity with radar	●	●
Filling level sensors in the seed hopper (no.)	● (2)	● (2)
Hydraulic fan drive	●	●
Fan speed sensor	●	●
Metering device monitoring	●	●
Electronic half-width shut-off	●	●
Magnetic shut-off valves (max. no.)	○ (8)	○ (8)
Calibration set	●	●
LED working lights	○	○
Maintenance platform, lightning for road transport and inside the hopper	●	●
Lower link hitch Cat. 3 (965mm)	●	●
Lower link hitch Cat. 3N (825mm)	○	○
Lower link hitch Cat. 4N (965mm)	○	○

Model	DG II 9000	DG II 12000
Working width (m)	9.00	12.0
Hydr. clod board	○	○
S-Following harrow 10mm	●	●
Finger following harrow 12mm	○	○
Hydraulic foldable trackmarker arms with notched discs	○	○
Hydr. track eradicator (2 tines per tractor track)	○	○
Track eradicator (2 tines per wheel of the wing segment)	○	○
Track eradicator (3 tines per transport wheel DG II)	○	○
Transport wheel (mm)	800/45-26.5	800/45-26.5
Wheels of the wing segment (mm)	31x15.5-15	31x15.5-15
Pneumatic brake	○	○
Hydraulic brake	○	○
Pre-emergence marker (centre marking)	○	○
iM Tellus for non-ISOBUS-capable tractors	○	○
iM Tellus for ISOBUS-capable tractors	○	○
Headland management	●	●
Max. road transport speed (km/h)	40	40
Weight (kg) (Basic equipment)	6.850	7.660
Min. power requirement (PS)	180	230



Rotor 1
for high rate cereals



Rotor 2
for grass or similar



Rotor 3
for rape and small seeds



Rotor 4
for low rate cereals



Rotor 5
for maize, sunflowers and
greening seeds

- Standard equipment
- Option
- Not available

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