

Vicon iXdrive



See, Feel and Drive



Every Crop Deserves the Best Care

Vicon Crop Care believes that technology makes a better future. We develop intelligent solutions for a better harvest and to increase crop yields, because every crop deserves the best care. Our smart solutions help farmers work in an easier and more profitable way.

For modern farmers spraying means to protect their crops against diseases, pests and weeds with as few chemicals as possible. We want enough food for the world, with a lower impact on the environment. The Vicon iXdrive enables precision farming and spraying at the right moment, on the right spot.

Your Next Drive into P





recision Spraying

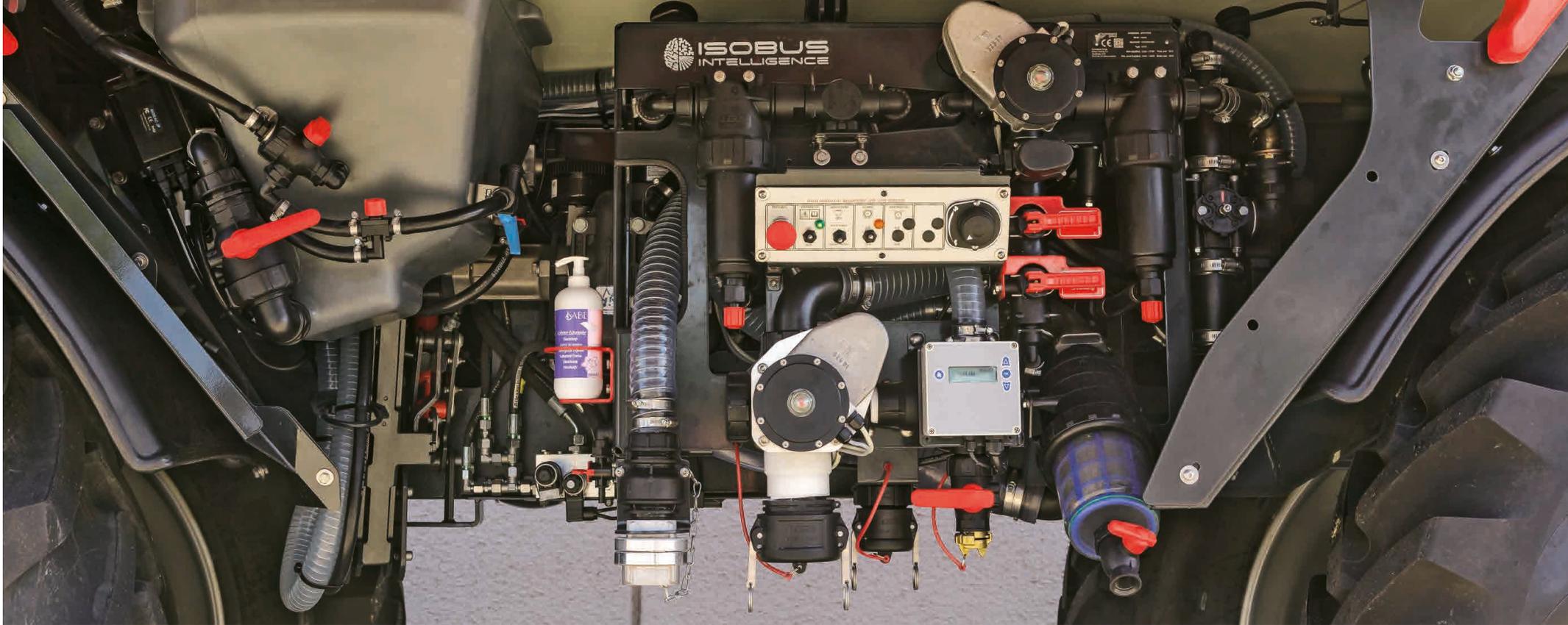
Ergonomic Design and Excellent Comfort

The iXdrive self-propelled sprayer is designed with a big focus on operator comfort and environmental protection.

The iXdrive is an 'all in one sprayer' offering ergonomics, efficiency and comfort. The cab is spacious, offers great visibility and gives you all the comfort you need. It gives you the best working environment, from the comfort of a Grammer seat, with a commanding view of the crop. The hydraulic folding steps give easy access to the cab.







Everything in the Right

The complete EasySet control panel is located, between the wheels, on the left hand side of the iXdrive. This position close to the tank outlet results in an extremely low volume of liquid remaining in the tank. The intuitive control panel includes the electrical valves, pumps, filters, chemical inductor and the hose connections. So everything you need for filling and emptying the tank is together in one place. The control panel is well protected behind a cover; this keeps the operating area free of dirt and chemicals. The valve panel can also fold away for easy access to the pump and for maintenance. The chemical inductor with a capacity of 42 litres allows you to mix chemicals safely. Equipped with a circular rinsing system and a waterproof cover, it can be rinsed safely with the cover closed.

An efficient piston diaphragm pump with a capacity of 500 litres ensures quick tank filling.

The iXdrive is equipped as standard with iXclean Pro, our fully automatic electric valve management system. It means all functions can be controlled from the cab or the fill station. Switching between filling, agitation, spraying, diluting, priming, purging, rinsing and tank cleaning is extremely easy: just push the button! iXclean Pro also offers a fully automatic multi-step rinsing and cleaning program at the push of a button! It takes only a few minutes and residue levels are less than 1% after automated cleaning.

Place



The spraying technology is easy to operate from the cab. iXdrive is equipped as standard with the IsoMatch Tellus universal terminal with switchbox and joystick for easy, simple, fingertip control. With the IsoMatch GEOcontrol application in combination with a GPS receiver it fulfils your needs in terms of easy, smart and efficient farming.

Operation is easy and comfortable, from automatic section control and automatic rate control. You can focus 100% on driving in the field, with IsoMatch GEOcontrol.

More efficient work and a reduction in overlap leads to cost savings of 5-10% on spraying liquid, which means better growing conditions and increased yield.

Working at night also becomes very easy. IsoMatch GEOcontrol reduces the workload considerably.

iM FARMING

smart efficient easy **FARMING**

iM FARMING makes work smarter, more efficient and simpler. The use of ISOBUS technology makes machinery easier to connect, operate, control and monitor.

Maximum return from your investments, that is the core of Kverneland Group's iM FARMING solutions. iM FARMING describes and presents our offering on ISOBUS machines and solutions for electronic control of implements. All aimed at giving an insight into the benefits and efficiency of our extensive offering, adapted to your requirements. That is what you can expect from Kverneland Group, now and in the future, to make life easier for farmers.

► Precision Spraying

Do you also want to spray as little as possible, at the right moment, on the right spot? That's why we have developed IsoMatch GEOcontrol. This smart and modern technology prevents waste of expensive chemicals and ensures perfect alignment on the headlands and in the triangles. Overlap is a thing of the past, which not only saves on expensive pesticides, it also leads to more consistent crop yield and quality. Each plant receives exactly the same amount of protection.

► ISOBUS Compatible

For even more operator comfort we have some other features available on our sprayer range. Boom Guide is an ultrasonic boom height control system operating boom lift, slope correction and independent slope correction cylinders. iXclean Pro is our fully electric valve management system where all functions can be controlled from the operators seat.

100% ISOBUS compatible • Minimise overlap • Plot registration and data storage • Up to 10% saving on spray liquid • Automatic switching ON/OFF through IsoMatch GEOcontrol



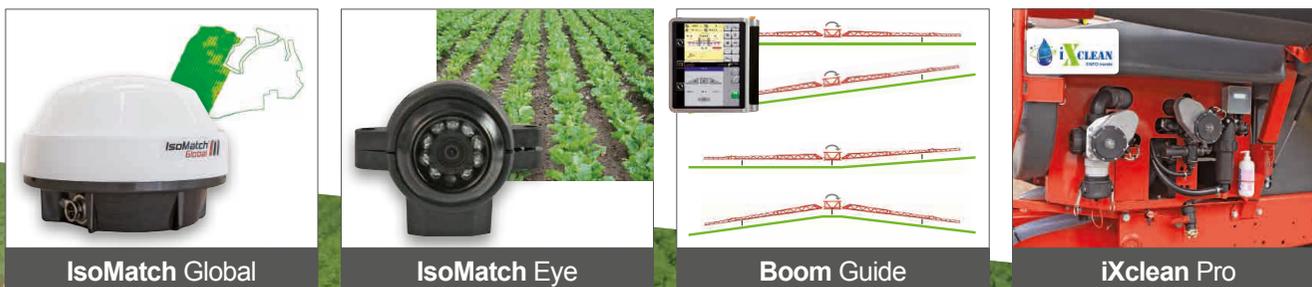
IsoMatch GEOcontrol and SPRAYERcontrol

Would you like some clear benefits? You just have to buy the IsoMatch Tellus terminal, a license and one of our ISOBUS compatible sprayers. Save 5-10% of your spraying costs and control and optimise your spraying process with IsoMatch GEOcontrol. Working at night? No worries, be at the forefront of environmental constraints. It is now possible with our applications!



► IsoMatch GEOcontrol

Once you have an IsoMatch Tellus terminal you can simply unlock the IsoMatch GEOcontrol application (after you have purchased a license key) and you get access to all precision farming applications: automatic switching on and off implement sections, variable rate control, manual guidance and easy exchange of data between the IsoMatch Tellus and your PC. To get familiar and convince yourself about the customer benefits of IsoMatch GEOcontrol you get 25 hours free of use of the application, before buying a license. No doubt for us, you will quickly become an enthusiastic follower of this new technology!





I am saving up to 5% on che

chemicals

“An advantage of the iXdrive is that it gives me a very good view of the crop from the cab, because I don’t have a tractor bonnet in front of me. I am constantly looking at the crop, so the optimal view is important for me. I am driving day and night with GPS. This is possible thanks to IsoMatch GEOcontrol. With the 80% overlap I am using I save up to 5 % on chemicals. Automatically I am always on the right track. It simplifies my day, because I can stay focused on my spraying job.”

24/7...



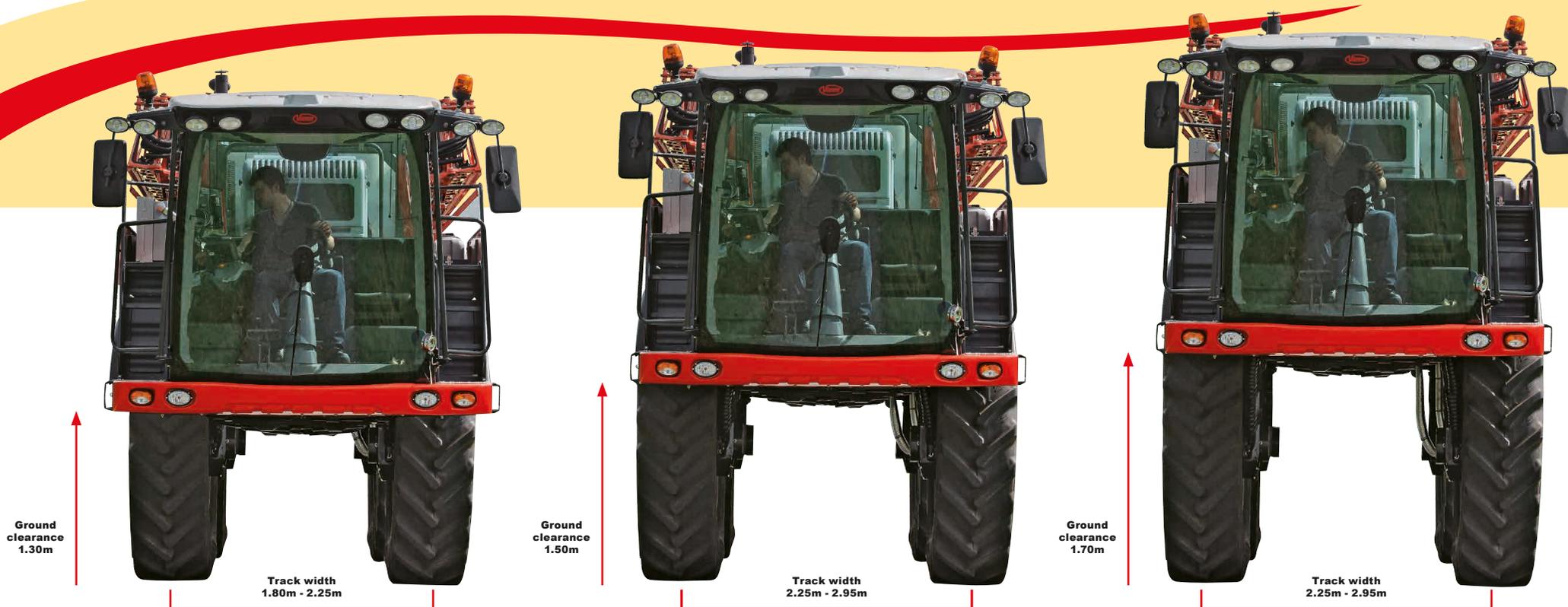


Vicon

iXdrive

MICHELIN

MICHELIN



*Track width in combination with standard tyres

The Ultimate Crop

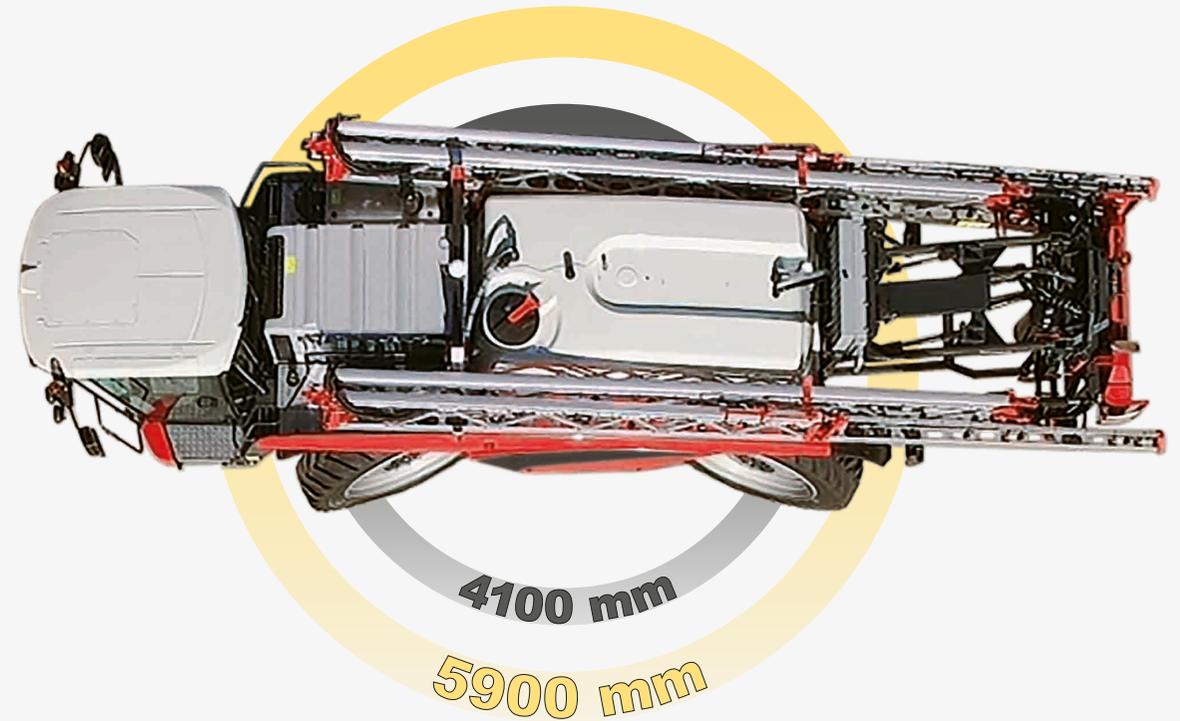
Adjustable Track Width

For operational flexibility iXdrive is available in three different ground clearance and track width combinations. The hydraulically adjustable track width suits many row spacing possibilities in different crops. Adjustment between the two track widths from the cab is available as an option.



Axles

The hydro pneumatic suspension on both axles provides operator comfort and boom stability in transport and field operation. The 3D rear axle suspension allows axle movement, but limits the track influence on the spray boom. A strong chassis with the best centre of gravity brings a perfect 50/50 weight distribution in every situation, without any influence from tank filling or spray boom position. Manoeuvrability is guaranteed with 2-wheel/4-wheel and crab steering modes as well as ErgoDrive headland management as standard.



Protection Solution



IsoMatch Global

GPS antenna with DGPS accuracy.



IsoMatch InLine

Light bar which allows easy manual guidance.



IsoMatch Eye

You can connect up to four cameras for a better view by day and night.



Non return valve

Avoids return flow to the water source.



Suction hose (3 inch)

External aspirated water is filtered first by the filter on the hose and then by the suction filter.



Border nozzle



Verge nozzle



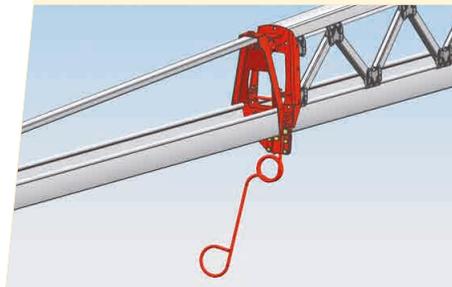
Optional Equipment



Boom Guide
Automatic spray height control.



Rotating beacon
Safety on the road during transport.



Sensing skid
Prevents the spray boom from touching the ground.



Boom lights (LED)
For the best view of the boom and crop, when spraying at night.



External cleaning
Allows cleaning in the field with water from the clean water tanks.

The High Tech Aluminium Boom

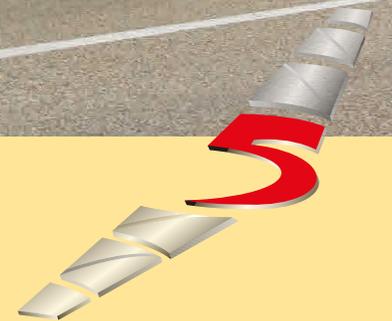
The high tech HSA aluminium spray boom profile protects the nozzle holders within the base of the boom. This profile is designed for easy cleaning with no sharp angles or corners for residue and liquid to collect. The anodised surface protects against corrosion and scratches.

HSA spray booms are equipped as standard with our iXflow spray line recirculation system with pneumatic nozzle control to create a fast-reacting spraying system, well suited to higher spraying speeds and automatic functions with GPS.





Aluminium bonding instead of welding provides weight saving and remarkable strength. Developed in close co-operation with aluminium specialist Norsk Hydro, this patented aerospace technology has consistently proven itself in the field over many years. As a result of these experiences and our full belief in the strength of the design, Vicon offers a five year warranty on the bonding and clamping of the boom.



The Professional and Compact Steel Boom



Range

The HSS boom range is designed for professional use. Its triangular construction provides perfect integration of the stainless steel spray lines, nozzles and nozzle holders and the best hose routing where all is well protected. The special HSS profile combines minimum weight with maximum strength and stability. Computer assisted design, use of laboratory and field tests, plus specially hardened Domex steel contribute to the legendary reputation of this long lasting heavy duty, high quality range of booms. The HSS design includes a strong suspended parallelogram lift which gives excellent stability both in road transport and challenging field conditions.



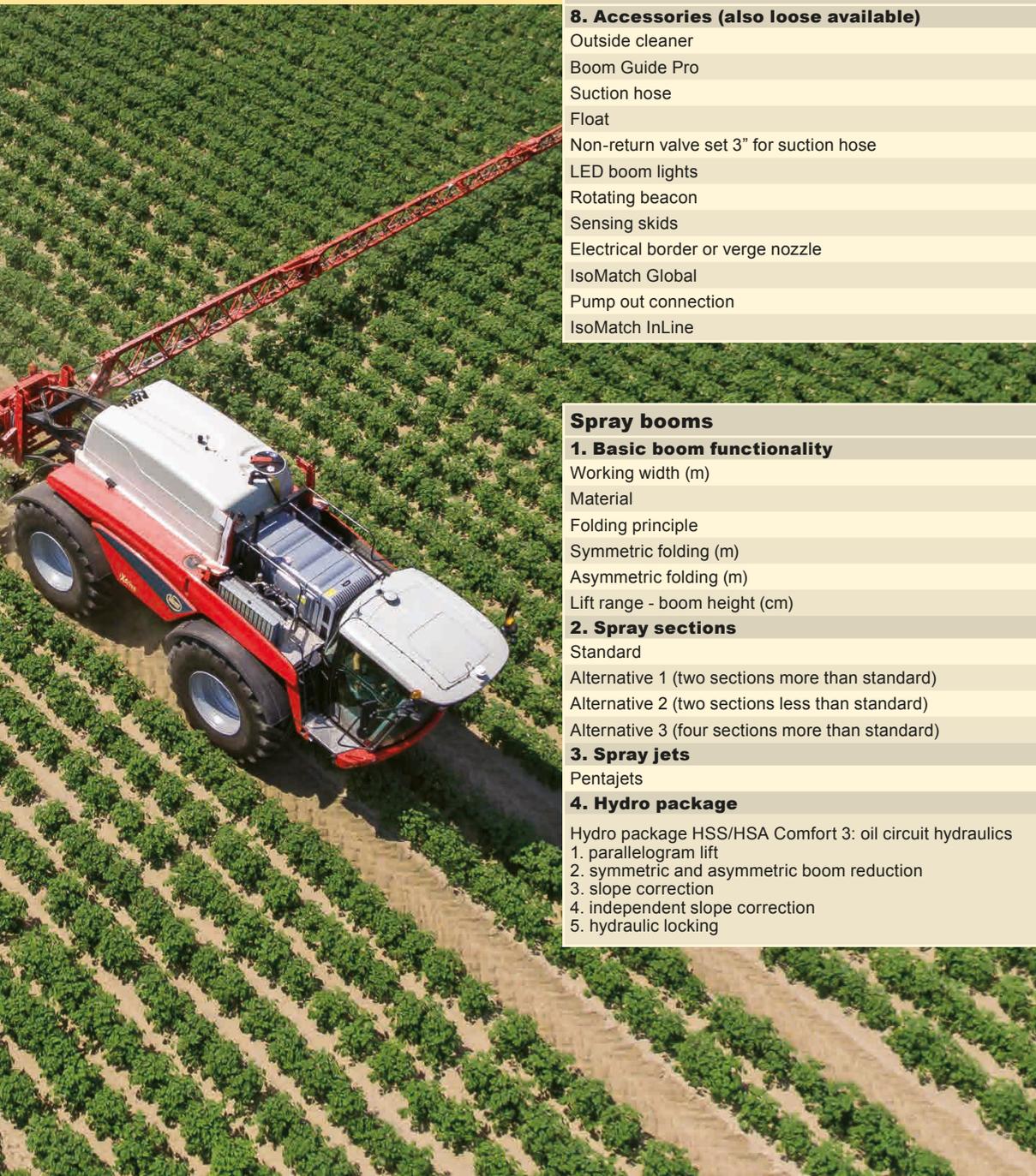
section lengths: A spray boom that can be adapted to your demands!



Technical Specifications

| iXdrive | iXdrive 4240 | iXdrive 5240 | iXdrive 6240 |
|--|--------------------|---|--------------------|
| 1. Tank size | | | |
| Nominal tank capacity (l) | 4000 | 5000 | 6000 |
| Maximum tank capacity (l) | 4500 | 5300 | 6300 |
| Clean water tank (l) | | 520 | |
| Hand wash tank (l) | | 15 | |
| Fuel tank (l) | | 320 | |
| 2. Weight distribution | | | |
| Full (open boom) | | 50%-50% | |
| Empty (open boom) | | 51%-49% | |
| 3. Weight | | | |
| Standard tyres | 320/90R54 Alliance | 380/90R54 Alliance | 380/90R54 Alliance |
| Empty weight (with standard tyres) | 10.700 kg* | 10.800 kg* | 10.900 kg* |
| *Dependent on spray boom and tyres | | | |
| 4. Chassis | | | |
| Wheel base | | 3.60m | |
| Turning radius | | 4.10m (5.90m external) | |
| Steering mode | | 2-wheel/4-wheel*/crab steering | |
| *Integrated ErgoDrive headland management control function | | | |
| Length x width x height (mm) | | 9095x2550x3800* | |
| Ground clearance (m) | 1.30/1.50/1.70 | | 1.30/1.50 |
| Track width (m) | | 1.8-2.25/2.25-2.95 | |
| *With 1.50m clearance, standard tyres, HSA 30m | | | |
| Hydro pneumatic suspension | | Standard | |
| Hydraulic brakes | | Standard | |
| Disc brakes | | • | |
| Driving speed | | 0-20 km/h - field mode | |
| *Dependent on tyre size and homologation | | | |
| 5. Driveline | | | |
| Diesel engine | | Perkins, 6 cylinder power pack silenced | |
| Power | | 175 kW (240HP), 72 dBa at 1900RPM, Phase IIIA (option IV) | |
| Hydraulic Twin Sauer pumps | | Standard | |
| Poclair wheel motors | | Standard | |
| 6. ISOBUS electronics | | | |
| FMA 7-15 sections | | ▲ | |
| 7. Spraying equipment | | | |
| Pumps 2x250 l - Altek piston membrane | | Standard | |
| Chemical inductor (42 l) | | Standard | |
| IsoMatch Tellus and switchbox | | Standard | |
| Joystick | | Standard | |
| iXclean Pro automatic valve management | | Standard | |
| iXflow spray line recirculation | | Standard | |
| ErgoDrive headland management | | Standard | |
| Speed sensor | | Standard | |
| Urea sieve | | Standard | |
| Hydrant filling | | Standard | |
| Pump out connection | | Standard | |





| iXdrive | iXdrive 4240 | iXdrive 5240 | iXdrive 6240 |
|---|-----------------------|--------------------------|-----------------------|
| 8. Accessories (also loose available) | | | |
| Outside cleaner | | • | |
| Boom Guide Pro | | • | |
| Suction hose | | • | |
| Float | | • | |
| Non-return valve set 3" for suction hose | | • | |
| LED boom lights | | • | |
| Rotating beacon | | • | |
| Sensing skids | | • | |
| Electrical border or verge nozzle | | • | |
| IsoMatch Global | | • | |
| Pump out connection | | • | |
| IsoMatch InLine | | • | |
| Spray booms | | | |
| | HSS 27-30 | HSS 32-40 | HSA 24-30 |
| 1. Basic boom functionality | | | |
| Working width (m) | 27/28/30 | 32/33/34/36/38/39/40 | 24/27/28/30 |
| Material | Steel | Steel | Aluminium |
| Folding principle | Two-part side folding | Three-part side folding | Two-part side folding |
| Symmetric folding (m) | 15/15/15 | 28/28/28/28/28/28 | 12/15/15/15 |
| Asymmetric folding (m) | 21/21.5/22.5 | 30/30.5/31/32/33/33.5/34 | 18/21/21.5/22.5 |
| Lift range - boom height (cm) | | 50-275 | |
| 2. Spray sections | | | |
| Standard | 7/7/9 | 9/9/9/11/11/13/11 | 7/7/7/9 |
| Alternative 1 (two sections more than standard) | | • | |
| Alternative 2 (two sections less than standard) | | • | |
| Alternative 3 (four sections more than standard) | | • | |
| 3. Spray jets | | | |
| Pentajets | | Standard | |
| 4. Hydro package | | | |
| Hydro package HSS/HSA Comfort 3: oil circuit hydraulics | | | |
| 1. parallelogram lift | | | |
| 2. symmetric and asymmetric boom reduction | | | |
| 3. slope correction | | | |
| 4. independent slope correction | | | |
| 5. hydraulic locking | | Standard | |

▲= must be selected, • = option, free to select

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Kverneland Group

Kverneland Group is a leading international company developing, producing and distributing agricultural machinery and services.

Strong focus on innovation allows us to provide a unique and broad product range with high quality. Kverneland Group offers an extensive package aimed at the professional farming community, covering the areas of soil preparation, seeding, forage and bale equipment, spreading, spraying and electronic solutions for agricultural tractors and machinery.



Original Spare Parts

Kverneland Group spare parts are designed to give reliable, safe and optimal machinery performance - whilst ensuring a low cost life-cycle. High quality standards are achieved by using innovative production methods and patented processes in all our production sites.

Kverneland Group has a very professional network of partners to support you with service, technical knowledge and genuine parts. To assist our partners, we provide high quality spare parts and an efficient spare parts distribution worldwide.



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