

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



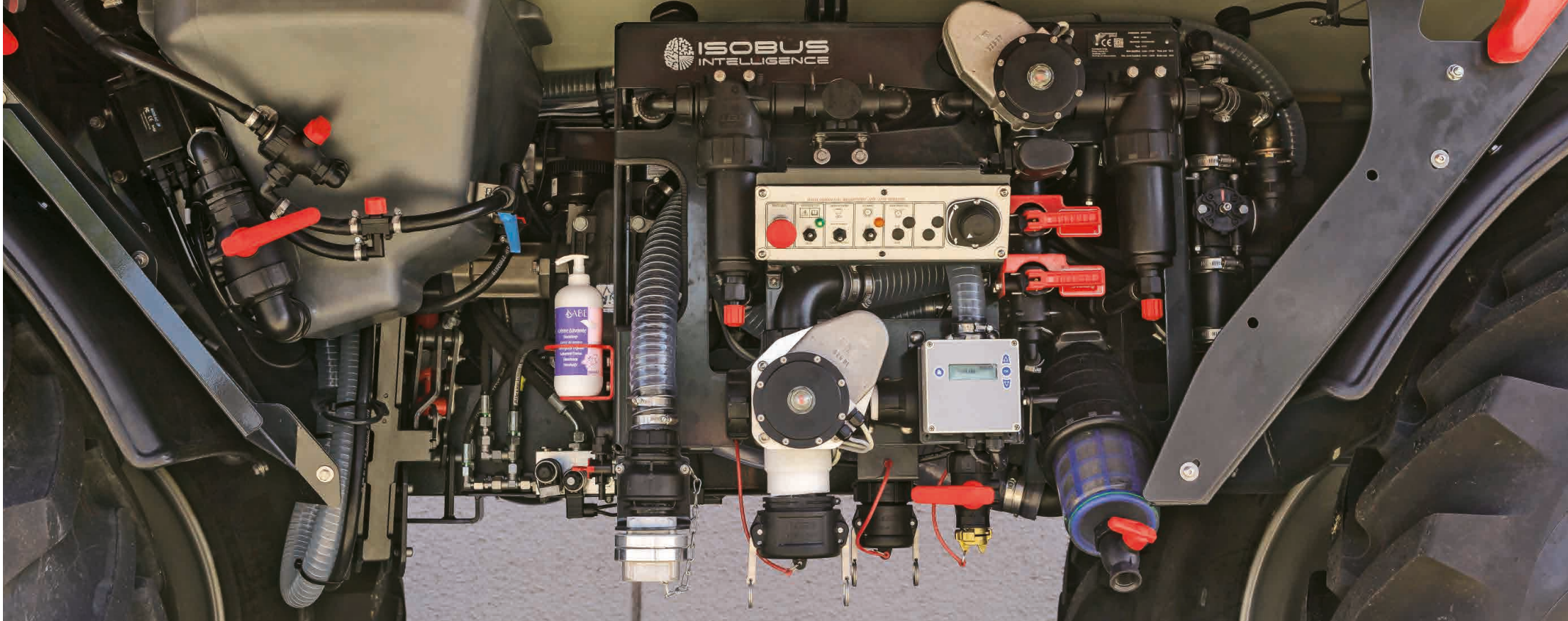
recision Spraying

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 InLine



Manual guidance



Section control



Variable rate control



Documentation

► IsoMatch GEOcontrol

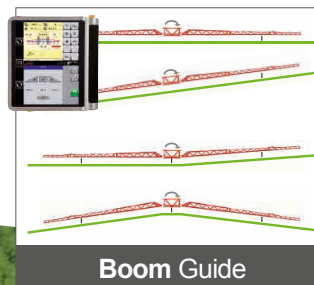
Once you have an IsoMatch Tellus terminal you can simply unlock the IsoMatch GEOcontrol application (after you have purchased a license key) and you get access to all precision farming applications: automatic switching on and off implement sections, variable rate control, manual guidance and easy exchange 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!



IsoMatch Global



IsoMatch Eye



Boom Guide



iXclean Pro





I am saving up to 5% on che



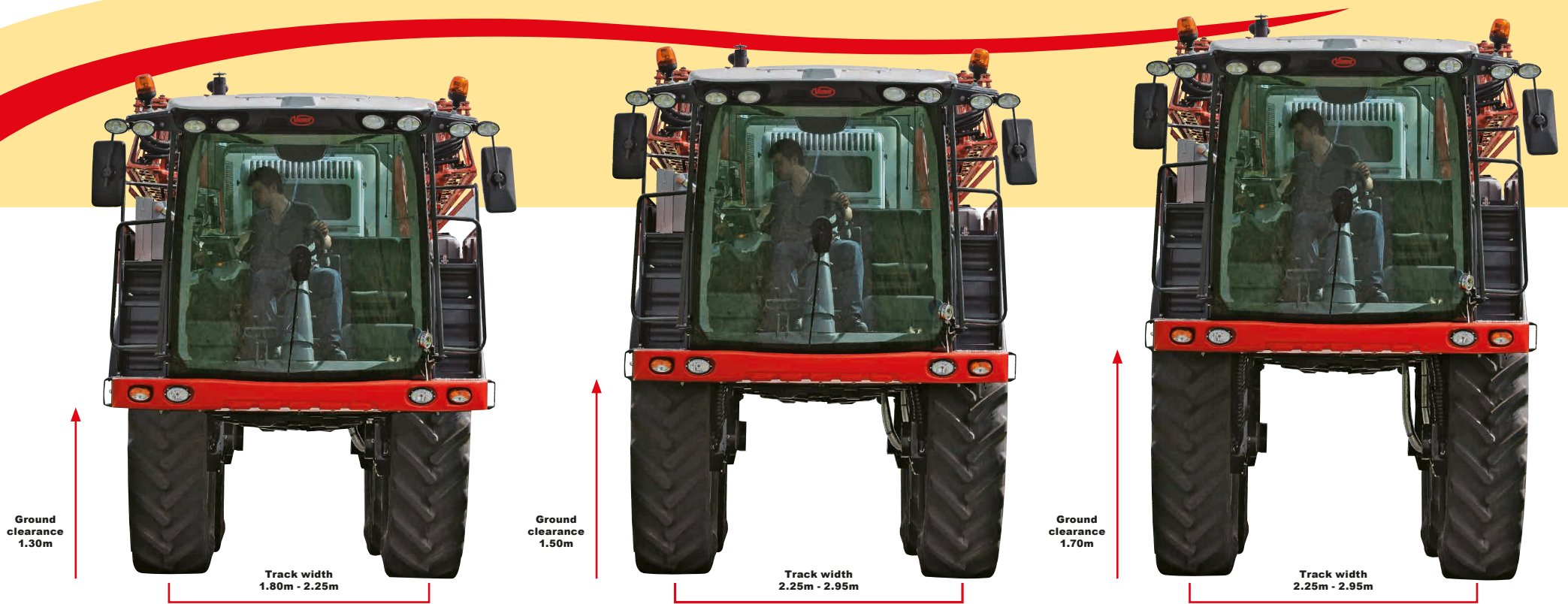
micals

“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...







*Track width in combination with standard tyres

The Ultimate Crop

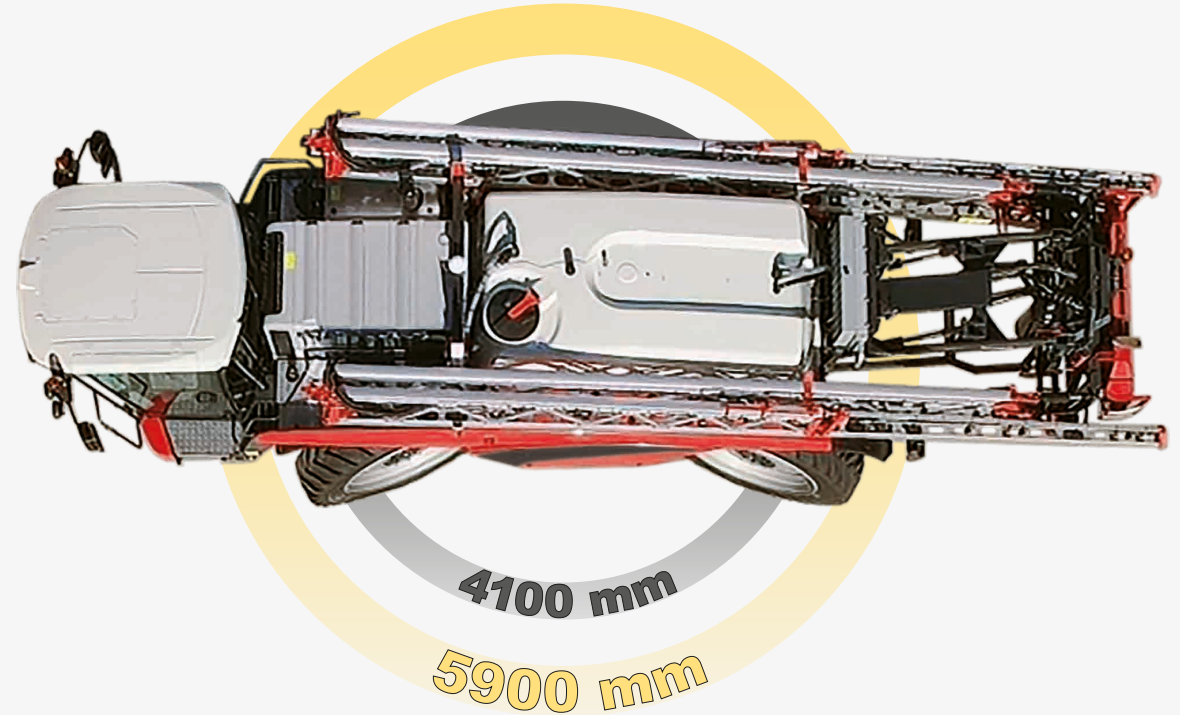
Adjustable Track Width

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.



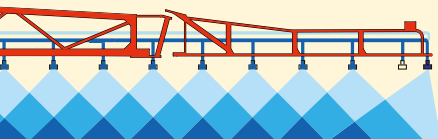
Non return valve

Avoids return flow to the water source.

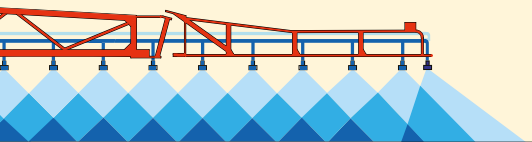


Suction hose (3 inch)

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



Border nozzle



Verge nozzle



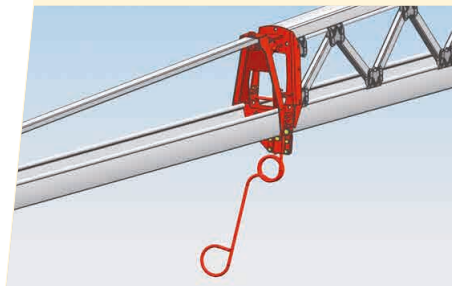
Optional Equipment



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

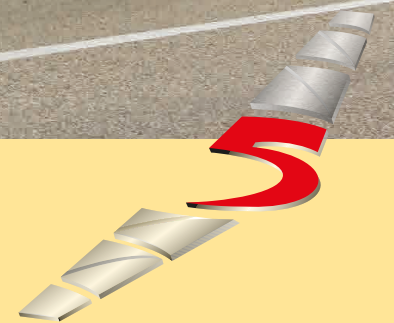
The high tech HSA aluminium spray boom profile protects the nozzle holders within the base of the boom. This profile is designed for easy cleaning with no sharp angles or corners for residue and liquid to collect. The anodised surface protects against corrosion and scratches.

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, 72 dba at 1900 RPM		
Power	175 kW (240HP), Phase IV		
Hydraulic Twin Sauer pumps		Standard	
Poclain 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		•	

▲ = 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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