

FENDT

Fendt Rogator 300





The Rogator for all seasons.

In the plant protection sector, there's one name that gives you precise boom control, easy handling and optimal, reliable application: Rogator. Our many years of experience and a number of key technologies have all gone into our innovative Rogator 300 to create the perfect solution.



Efficient plant protection for healthy crops.

The Rogator 300 meets all the requirements that customers expect of a cutting-edge, trailed plant protection implement. Flexible drive, powerful, and easy to handle. SectionControl, VariableRateControl, VarioDocPro, and OptiNozzle give you all the tools you need for efficient work.

		Rogator 344	Rogator 355	Rogator 366
Nominal capacity	litres	4400	5500	6600
Boom widths	m	24 - 27 - 28 - 30 - 32 - 33 - 36	24 - 27 - 28 - 30 - 32 - 33 - 36	24 - 27 - 28 - 30 - 32 - 33 - 36

Developed at the AGCO Grubbenvorst site and assembled in Hohenmölsen, the machine embodies more than 50 years of experience in plant protection. This results in an application solution loved by customers around the world.

- Perfect boom position and ground following
- Low centre of gravity
- ISOBUS operation with SectionControl and VariableRateControl according to the AEF Standard
- 4400/5500/6600 l tank capacity and up to 900 l clean water
- Induction hopper with OptiFlow control centre
- OptiSteer steering axle fitted at the rear with up to 2.05 m higher tyres and 30° steering angle
- Smooth undercarriage with 85 cm ground clearance for maximum plant protection
- Drive via PTO or hydraulics
- Rotor pump with 785 l/min pump capacity
- Single beam frame for maximum stability and manoeuvrability



We have reviewed countless customer surveys, performed extensive practical tests, and have combined everything in the Rogator 300 that our Fendt customers expect: perfect boom position, user-friendliness, efficient use of resources, and the best equipment. A plant protection implement designed simply to focus on the customer's needs.

Plant protection breeds confidence.
Trust Fendt.

FENDT ROGATOR 300: CHASSIS

The Fendt Rogator is always the right choice.

Flexible drawbar

The universal drawbar allows the Rogator 300 to be used with clevis-type coupling and hitch-type couplings, with all drawbar eyes available on the market, or with ball couplings. You can switch between clevis-type coupling and hitch-type coupling at any time. The tractor's load-sensing hydraulics efficiently power the Rogator 300, with a PTO drive also available on request.

Perfect trailing with OptiSteer steering axle

The 30° steering angle with OptiSteer steering axle allows for a turning radius of just 3.8 m, which is always perfectly coordinated with the tractor's rear axle. The Fendt Rogator is therefore highly agile, and even protects uncut crop when turning. The high-performance hydraulics or air pressure brake ensures safety on the roads, regardless of whether the tank is full or empty. Wheel tracks from 1.5 m to 2.25 m are available on request.

Sturdy frame

The unbendable backbone of the machine, developed from the self-propelled frame, forms the basis for precise application and therefore effective use of your spray liquid. The boom is guided in front of the rear axle, so that the chassis only transfers minimal movements to the boom. The Rogator 300 always works with the utmost precision.

Single wheel suspension

The unique single wheel suspension with stability control and parallel function provides for an unrivalled driving experience. The chassis can compensate for gradients of up to 7°, and in doing so takes stability to new levels. Fendt Stability Control (FSC) can safely negotiate bumps and jolts even at high speeds, with the main benefit being smooth boom guidance in the field. On the road, potential rocking is kept to an absolute minimum by FSC.



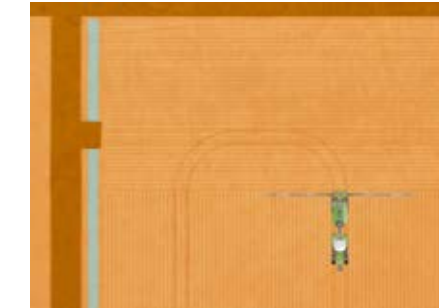
Height adjustment

The single-wheel suspension means you can adjust the height of the chassis by 245 mm.

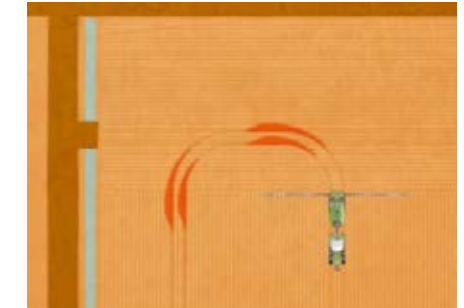
Turning radius of just 3.8 m thanks to a 30° steering angle, meaning that even narrow, tight entrances are no problem.



The intelligent OptiSteer steering axle detects the radius of the tractor's rear axle and the speed, and therefore knows exactly when it must be steered and by how much to accurately follow the rear axle's track. The combination therefore keeps to the track and damage to the crop is minimised.



Without OptiSteer steering, there are shifts in the tramlines as the sprayer is not trailed precisely.



The high ground clearance of up to 85 cm, and the smooth undercarriage with no sharp edges keep crop damage to an absolute minimum.



The single wheel suspension provides the ultimate in ride comfort, and protects the machine against bumps and jolts in the fields and on the roads.

FENDT ROGATOR 300: PUMP AND OPTIFLOW CONTROL CENTRE

Fendt Rogator: Synonymous with simple plant protection.

High-performance pump

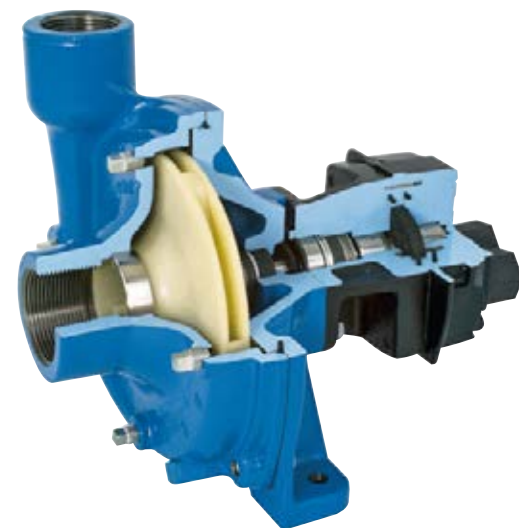
A rotary pump with optionally self-priming unit and 785 l/min pump capacity, driven by the load-sensing hydraulics or PTO, supplies all liquid-distributing parts of the system. The flow rate of the rotary pump prevents pulsation in the lines and ensures maximum application accuracy. There are no additional hoses or relief valves which are difficult to clean on membrane pumps. Application quantities are controlled via the pump speed – quickly and efficiently – and the pump only carries the required quantity of liquid for spraying, plus the specified quantity for the agitator. This helps the Rogator 300 to respond accurately to changing application quantities and different speeds.

Reliability with no strings attached

Our low-maintenance pump guarantees excellent reliability and low operating costs. Combined with the 3" fitting, you have everything you need to fill the tank quickly.

Ground-breaking controls

The straightforward, logically-designed OptiFlow control centre with easily readable monitor controls all valve functions, and makes it easy for the operator to fill the sprayer, even when wearing gloves. An electronic fill level indicator allows automatic filling modes to be monitored on the filling station or in the cab. Because the cab terminal works just like the OptiFlow control centre, it could not be easier to use.



The rotor pump with a maximum output of 785 l/min has a separate hydraulic drive, works without pulsation, and responds rapidly. For perfect plant protection.

The OptiFlow control centre allows convenient control of all functions during filling. Electric control valves ensure even greater comfort and safety.



Convenient, intuitive and safe operation, even with protective clothing.



FENDT ROGATOR 300: FILLING

Safe and easy filling for minimal downtimes.

Practical induction hopper

The 60 l capacity induction hopper has an output of up to 200 l/min. Even large quantities of crystalline products can be quickly and easily dissolved at a rate of up to 33 kg/min. The operator fills the induction hopper from a comfortable height and can fold it in and out easily using the gas pressure springs. The canister cleaning diffuser is used as an easy means of flushing the spray liquid canister, and helps you get every last drop from it. The induction hopper can also clean itself when the lid is closed.

Operation

All valve functions required for filling and stirring can be operated from the OptiFlow control centre on the induction hopper, as well as from the cab. The standard automatic filling system stops exactly at the number of litres set by the operator – even if there are two figures, e.g. water and pesticides. The system always guarantees an optimal spray liquid mixture in the tank at all times, and reliably prevents overfilling.

A perfect concentration from start to finish

The permanent circulation through the 1" spray line feeds the solution straight to the diffuser as soon as the rotor pump is switched on, even if the diffusers are closed. Apply the right quantity and concentration of liquid across the entire working width from the very first metre. To clean the diffusers, switch the intake end of the pump over to the clean water tank, and briefly switch on the diffusers. This is how you reliably and effectively prevent deposits in the diffuser pipe and diffusers. Easy, quick, reliable – from the convenience of the operator's seat.

Operator convenience

All filling fittings are clearly arranged on the left-hand side of the machine. The large and easy to open panels of the Rogator 300 consist of the same HDPE material as the spray tanks. Extremely smooth, glass-like surfaces effectively prevent sticking and are easy to clean. Cleverly-designed and sealed stowage compartments allow personal protective equipment and funnels to be carried safely. The hydraulic agitator power can be adjusted from the terminal. Foaming residues are prevented by the agitator control which is linked to the fill level.

The lowerable induction hopper for ergonomic operation and easy filling.



High-performance diffusers on the wall and on the overflow optimise induction.



The hose couplings can be controlled easily and conveniently.



Using AutoFill, the tank can be automatically filled up to the required volume.



A practical box for gloves: No need to bring protective clothing into the cab. The cab always stays clean.



Easily accessible stowage options for dosing small product quantities. Everything in view, well protected.



The high intake capacity of the induction hopper ensures short downtimes and high daily output.

FENDT ROGATOR 300: TANK AND PIVOT

Full control, even on difficult terrain.

Robust tanks

The spray tanks on the Rogator are made from high-density polyethylene (HDPE). The tank's shape is a perfect fit for the machine frame, guarantees an optimal weight distribution, and can be completely drained through a 3" transfer fitting. The filling tube stretching down to the tank floor prevents foaming. The fill level is determined by pressure sensors on the tank floor.

Tank cleaning

Few residues remain inside the tank courtesy of the smooth, non-stick surface. Even hidden spots in the tank can be cleaned quickly and reliably with relatively little water, thanks to the six reflux Hypro rotation nozzles. The automatic tank cleaning system cleans the tank from top to bottom, or just flushes the boom. The clean water tank holds 900 litres.

State-of-the-art valves

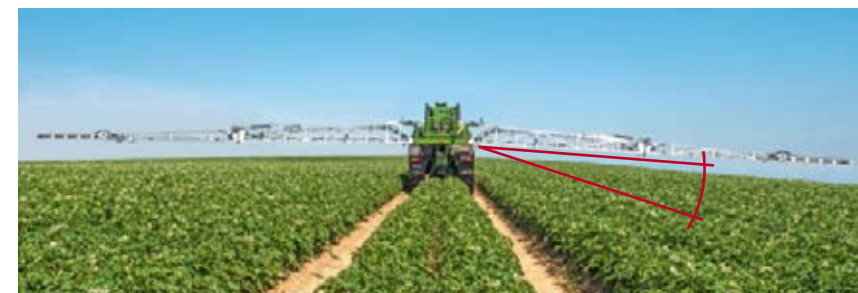
To enable the spray system to respond correctly to all requirements, we use the latest valve assembly to guide the spray from the induction hopper through the tank to the diffusers. To enhance user-friendliness, there's an option to actuate all switching valves electrically. The 1" pressure circulation line guarantees high liquid speeds and therefore no deposits. Thanks to the high-precision flow control, the spray system can work with a wide variety of application quantities. The delivery pipes which ensure an even flow, and the few connection points, make the system extremely reliable.

Unique pivot

The parallel linkage and articulation of the lift arm fitted in front of the suspended axle keep the centre frame close to the rear axle, and transfer very little chassis movement to the boom.

It comes with an external washing kit to clean the boom with water or for use with compressed air. The hose reels have plenty of reach to get to the ends of the boom.

The central boom pivot ensures that all diffusers are ideally positioned and remain stable above the uncut crop.



The ground contour or crop can be used as a reference for height control to precisely adjust the boom to suit your crop. A hybrid control is also possible.



Boom angling at one side to attain the ideal application height on steeply sloping terrain.

FENDT ROGATOR 300: BOOM

Fendt Rogator: The ideal basis for flexible application.

Now even lighter

The Rogator 300 comes as standard with a rigid lightweight aluminium boom, which is available in widths of 24 to 36 metres. This is attached to the machine via a central frame, which is not only robust, but also provides an exceptional level of stability when spraying at any speed. The nozzle holders are fitted into a frame profile to protect them. The wide holder profile ensures easy access and also allows the use of double flat fan nozzles in any position. In view of the very high performance values and potential of this machine, only this boom can meet the heavy demands in practice.

Compact folded boom

When collapsed, the boom rests in grooves on the side of the spray tank. Depending on the version, this creates a machine width of 2.55 m when the boom is collapsed, ideal for optimal transport and for preventing damage. The Fendt boom has one of the most stable designs on the market. Especially when it comes to yaw, the Fendt Rogator 300 has it all under control: Regardless of the road speed and ground conditions, the pivot is able to almost completely eliminate horizontal vibrations, and all without having to turn to elaborate controls or sensors.

Ideal positioning at all times

Horizontal and vertical boom movement, which can be attributed to the terrain or to the acceleration and slowing of the vehicle, are almost completely eliminated by the special Rogator damper cylinder. At the same time, the system reduces the main frame load to a minimum. Due to the low yaw, there is no overlapping and no gaps which can often be caused by a swinging (forward/back) boom.

OptiSonic height control

Thanks to the OptiSonic boom height control system, the right, middle and left sides of the boom automatically and separately follow the ground. Four ultrasonic sensors keep the spray height constant at all times. The boom is of course protected against damage by an impact guard.

Single diffuser switch

The Rogator has a huge selection of diffuser adapters: 5-way, DuelSelect 2+2 and Quadselect. Distance between diffusers is 50 cm. Depending on the diffuser adapter, one or more diffusers can be controlled electrically, so the sky's the limit with SectionControl, VariableRateControl, and OptiNozzle; systems which help you get the most out of your pesticides.

The nozzle adapters are seamlessly integrated into the boom, and so are protected against damage.



The diffusers are well protected yet easy to access.



The Quadselect diffuser adapter enhances comfort. The optimal diffuser combination is selected at any time in combination with OptiNozzle.



The four protected OptiSonic ultrasonic sensors guarantee quick boom reactions to a wide variety of crops.



The Fendt Rogator impact guard can turn by up to 90°. The backswing is damped so that no additional pulses have an effect on the boom.



The boom provides adequate space for all diffuser adapter and diffuser combinations.

FENDT ROGATOR 300: COMFORT

Electronics made easy for you.

Very efficient operation

All machine functions can be operated from the Varioterminal 10.4" in combination with a Fendt tractor, with an additional terminal as an option. Our multifunction joystick offers you exceptional comfort and convenience, and is specially optimised for use with our plant protection technology. This allows you to conveniently control all sprayer functions via easily accessible buttons. The optional cameras give you perfect all-round visibility, right around the machine. The customised display gives all the key information you need at a glance.

Headland management

Headland management activates a range of functions at the touch of a single button. Turn on/off the application process, OptiSonic boom control, boom flushing, rear axle control, or switch the cruise control and VarioGuide guidance system. All this helps take the stress out of your working day. If field boundaries are stored, there's no risk that application of liquid will start if the boom moves beyond the field boundary. Even if the run-out limits are unclear or if you work at night, you'll only treat your target area.

VarioGuide Contour Assistant

The VarioGuide Contour Assistant adds Contour Segments and Single Track to the existing VarioGuide wayline types, to enhance both efficiency and convenience. After creating the contour segments, the VarioGuide system automatically selects the right segment according to direction of travel, angle and distance. Waylines can be automatically created based on the field boundary, and do not have to be changed manually. Using Single Track, all tramlines can be recorded as one contour line during plant protection. The track is recorded by driving in the tramlines, and can be used for the next application. The Contour Assistant must be made available by the traction vehicle.

Fully ISOBUS-capable

The Rogator 300 is fully ISOBUS-compatible. The ISOBUS functionality ensures that tractor and plant protection sprayer can be easily combined.

Optimal integration into the existing ISOBUS systems.



The Fendt Varioterminal gives you a perfect overview of your Rogator 300 with all relevant machine functions, SectionControl including coverage map, as well as other configurable functions.



OptiControl joystick for even more operating comfort.



Each operator demands different things from the machine controls. Thanks to the Aux-N protocol for individual joystick button assignment, your Rogator 300 controls can be quickly and easily adjusted to suit your needs.

FENDT ROGATOR 300: SMART FARMING

Smart solutions to ensure success.



VariableRateControl (VRC) offers high precision when spraying your fields.

Section engagement for increased efficiency
The automatic section engagement facility is absolutely essential for those who need 100% efficiency. Valuable liquids are not used twice on the same area, but there's also no overlapping or gaps. This applies to large areas as well as to smaller, winding run-outs. The ISOBUS standard function TC-SC (TaskController SectionControl) automatically engages sections depending on the GPS position and the required degree of overlapping. SectionControl can also produce higher yields whilst saving 5 to 15% of the spray liquid costs.

OptiNozzle
With the aid of OptiNozzle, the Rogator 300 selects the diffuser or diffuser combination that best matches the road speed, based on the required drift reduction. If the driver accelerates, the pressure in the system also changes automatically. In order that the drift does not change if the speed changes, the diffusers are combined accordingly. Because it combines different nozzles, this system helps you to drive faster without losing sight of the drift.

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Tractor Implement Management (TIM)
With the new ISOBUS standard function TIM, the Rogator 300 can control the driving speed of a paired TIM-compatible towing vehicle. The speed is controlled so that the pressure is optimised at all times for a specific diffuser combination. Active TIM control lets the driver adjust the speed using the specified speed settings. If the speed setting and with it the diffuser combination is changed, the speed is automatically adjusted to the target figure.

VariableRateControl (VRC)
VariableRateControl (VRC) shows its strength when it comes to precise dosing of liquids. The ISOBUS function TC-GEO (Task Controller geo-based) gives you the option of working with location-specific application maps, and recording the output quantities in your field database. Just transfer the relevant application maps to the terminal via USB, Bluetooth or mobile network before application. The exact output quantity is then transmitted to the Rogator 300 via the ISOBUS interface. VRC can be used to avoid returning to the yard with leftover liquid, which can otherwise be laborious to deal with, and can assist to source pesticides more efficiently. This service must be made available by the traction vehicle.

Using the Variotermin, you can clearly see the status of individual sections in 3 fields and of the Rogator 300, the map with the worked area, and the current status of VarioGuide.

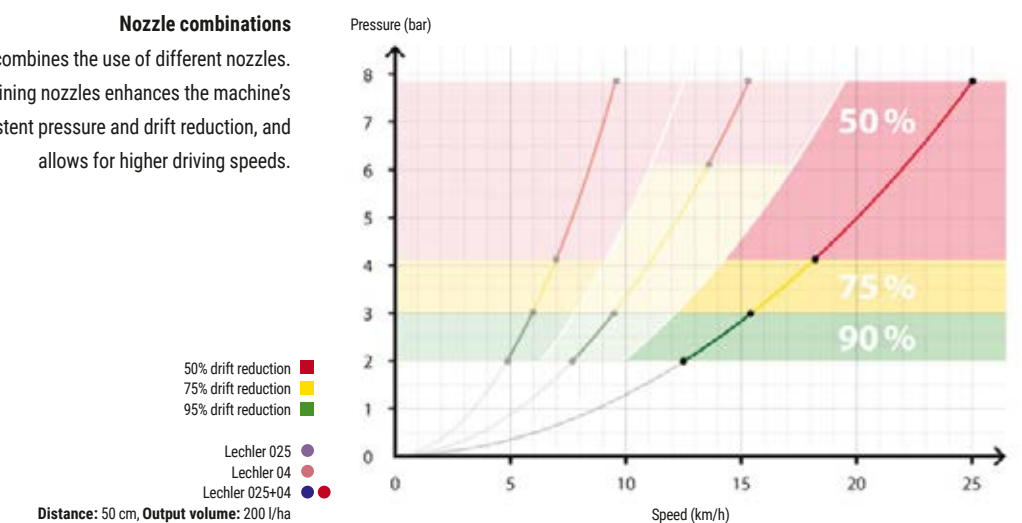


With the help of your compatible field database, simply plan your liquid application in detail in the application map before starting work, and transfer it using the TC-GEO ISOBUS standard. All this is not magic, but is simply the most efficient way to work your land.

There are huge potential savings, especially at the field boundaries and headlands. The automatic section control takes the strain off the operator, who can then concentrate on other tasks. Potential savings increase even further if there are no tramlines, e.g. during pre-emergence work or on grassland.



Nozzle combinations
OptiNozzle fully automatically combines the use of different nozzles. Automatically combining nozzles enhances the machine's application range at a consistent pressure and drift reduction, and allows for higher driving speeds.





FENDT SERVICES

The best product with the best care and service.

With Fendt, you get a cutting edge product that will overcome the toughest of challenges. That's why you can expect that little bit extra when it comes to services from highly-efficient, certified Fendt dealers:

- with fast lines of communication between you and our trained service team.
- 24/7 availability of replacement parts throughout the season
- 12-month warranty on Fendt original parts and their fitting

100% quality. 100% service: Fendt Services
We offer outstanding services to offer you the best possible reliability of use and efficiency from your Fendt Machine:

- Fendt Demo service
- Fendt Expert operator training
- AGCO Finance – finance and lease deals
- Fendt Care – servicing and guarantee extensions
- Fendt Certified - Pre-owned machine programme



+44 330 123 9909

Your Fendt dealers are always there when you need them, and have just one aim – to make sure your Fendt machines are ready for action at any time. If something does go wrong during harvest time, simply call your certified service centre 24/7 on the emergency hotline.

FENDT SERVICES

Rest assured that your machine will be ready for action tomorrow.

Fendt Demo service

Is this a new purchase? You'll love our Fendt solutions and overall efficiency. Let the Fendt Demo service make the decision easier.

Fendt Expert operator training

We help you get the most out of your vehicle. With the help of our exclusive Fendt Expert operator training programme, you can optimise the efficiency of your Fendt even further, and get to know all the functions to make your daily routine that much easier. Our team of professional trainers will advise you on how to use your Fendt machine to its full potential.

Individual finance and lease models

Investing in technology means a considerable capital outlay. A credit finance agreement from AGCO Finance offers attractive conditions and flexible terms. From the initial down payment to monthly instalments to the payment term – you set the general terms on which to finance your Fendt. If you need additional resources in a hurry or want to use tractors over a long-term period without purchasing them, your Fendt dealer can offer the ideal solution with tailored lease packages.

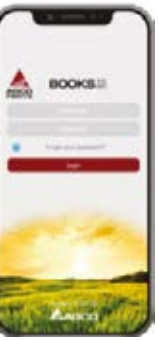
Fendt Certified - Pre-owned machine programme

Leaders drive Fendt – including with pre-loved agricultural machinery. Used agricultural machinery to tried and tested high-quality standards and certified Fendt quality – the ideal solution for cost-conscious farmers or as an addition to a growing fleet.

The benefits:

- Certification according to strict quality standards
- Extensive incoming check (technology, wear, appearance)
- Fully serviced wear parts
- If required, replace, clean and paint components
- One-year warranty (option to extend)

Using the smartphone app "AGCO Parts Books to go", you can find Fendt spare parts quickly and easily and order them directly. The app is available for download in the app store and in the Google Play Store. Your personal access data is available from your Fendt dealer.



Standard and optional equipment
 Standard: ■
 Optional: □

FENDT ROGATOR 300

Equipment variants and technical details.



		Rogator 344	Rogator 355	Rogator 366
Main tank				
Nominal capacity	litres	4400	5500	6600
Maximum capacity	litres	4670	5775	6930
Material: High-density polyethylene (HDPE)		■	■	■
Clean water tank				
Capacity	litres	400 / 900	900	900
Material: High-density polyethylene (HDPE)		■	■	■
Filter				
Suction filter	mesh	12	12	12
Pressure filter	mesh	80	80	80
Plumbing				
Suction side	inch	2-3	2-3	2-3
Pressure side	inch	2	2	2
Material: High-density polyethylene (HDPE)		■	■	■
Suction valve				
Manual 5-way valve		■	■	■
Electric 5-way valve		□	□	□
Spray pump				
Pump type: Centrifugal pump		■	■	■
Maximum capacity at 2.5 bar	l/min	785	785	785
Maximum pressure	bar	8,5	8,5	8,5
Stainless steel centrifugal pump		□	□	□
Chemical inductor				
Volume	litres	60	60	60
Fluid intake capacity	l/min	200	200	200
Capacity for solids	kg/min	33	33	33
Rinse system	bar	6	6	6
Cleaning gun**		□	□	□
Boom and spray equipment				
Plumbing	inch	1	1	1
Maximum number of sections including endrow nozzles	number	60	60	60
Boom widths	m	24 - 27 - 28 - 30 - 32 - 33 - 36	24 - 27 - 28 - 30 - 32 - 33 - 36	24 - 27 - 28 - 30 - 32 - 33 - 36
Material: Aluminium		■	■	■
Max. working height*	m	2,5	2,5	2,5
Min. working height*	m	0,5	0,5	0,5
OptiSonic boom height control with 4 sensors		□	□	□
Independent boom geometry		■	■	■
Nozzle spacing	cm	50	50	50
Quin nozzle body	nozzles	5	5	5
2+2 DualSelect nozzle body	nozzles	4	4	4
QuadSelect nozzle carrier	nozzles	4	4	4
Endrow nozzle EU		□	□	□
Endrow nozzle NL**		□	□	□
Reelerhose water**		□	□	□
Reeler hose air		□	□	□

*Depending on the selected tyres and/or the selected boom, ** = Mandatory country-specific

Drawbar and Coupler

		Rogator 344	Rogator 355	Rogator 366
Drawbar height adjustable	positions	8	8	8
Towing eye	mm	40/50	-	-
Ball Coupler K80	mm	80	80	80
Hydraulic jack tractor operated		■	■	■
Hydraulic jack manual pump		□	□	□

Axle and Brakes

Fixed axle		■	■	■
Steering axle		□	□	□
Steering angle*	degrees	30	30	30
Single wheel suspension		□	□	□
Track width*	m	1,50 / 1,80 / 2,00 / 2,25	1,80 / 2,00 / 2,25	1,80 / 2,00 / 2,25
Pneumatic brakes		■	■	■
Pneumatic brakes with ALB		□	□	□
Hydraulic brakes		□	□	□

Tires and Fenders

Diameter 320/105R46	m	1,84	1,84	1,84
Diameter 380/90R46	m	1,84	1,84	1,84
Diameter 380/90R54	m	2,05	2,05	2,05
Diameter 480/80R50	m	2,05	2,05	2,05
Diameter 520/85R46	m	2,05	2,05	2,05
Diameter 620/70R42	m	1,95	1,95	1,95
Diameter 620/75R34	m	1,81	1,81	1,81
Diameter 710/75R34	m	1,90	1,90	1,90
Fenders outside width	m	2,55	2,55	2,55
Wide Fenders outside width	m	3,00	3,00	3,00

Hydraulic system

Load Sensing system hydraulics	l/min	60	60	60
Tractor with opencenter hydraulic system	l/min	60	60	60
PTO driven with wide angle pto shaft	rpm	540	540	540

Controls

ISOBUS		■	■	■
OptiControl lever		□	□	□
X25 ISOBUS touch screen terminal	inch	8	8	8
Reverse camera		□	□	□
Optiflow control panel		■	■	■

Weight

Empty (depending machine options)	kg	5140	5800	6000
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Dimensions

Length	m	7,7	8,2	8,2
Width*	m	2,55	2,55	2,55
Height*	m	3,9	3,9	3,9
Ground clearance*	cm	85	85	85

*Depending on the selected tyres and/or the selected boom, ** = Mandatory country-specific

FENDT

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