

300M

SELF PROPELLED SPRAYERS



JOHN DEERE

NOTHING RUNS LIKE A DEERE

COMPACT PERFORMER

Designed for tight spaces, the 300M Series self-propelled sprayers are highly manoeuvrable for awkward shaped fields and narrow access roads. Available in two tank sizes they are well equipped with fast filling dual circuit pump systems and full integrated John Deere Precision Ag Technology.

VERSATILE PACKAGE

The 300M Series will take you places most sprayers simply can't go thanks to the choice of different track widths (1.5 – 3.0 m) and 1.1 m high ground clearance. For such a compact package it also delivers large sprayer performance with boom widths up to 36 m.



TANK SIZES

3200/4000 l



BOOM OPTIONS

24 – 36 m*



TRACK WIDTHS

1.50 – 1.80 m

1.80 – 2.25 m

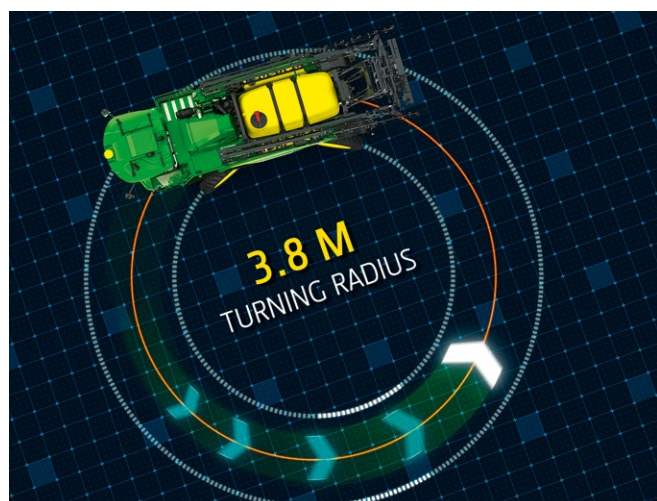
2.25 – 3.00 m

*Depending on model



TIGHT TURNING RADIUS

The four-wheel steering system and narrow track gives you an inner turning radius of just 3.8m*. You'll be able to squeeze into the tightest spots and find headland turns easier in small fields for faster work rates.



LOW SOIL COMPACTION

The lightweight design and 50:50 weight distribution evenly spreads the load over all four wheels to minimise soil compaction. That means you can get into fields when the soil conditions are more challenging, extending your spraying window.



*depends on model see specifications.

FAST START...

The 300M Series are designed with a number of time-saving features so you can get started as soon as you reach the field.

ONE CLICK AND GO

Set up your application in the John Deere Operations Center™ days or weeks in advance. When you get to the field, the job automatically appears on the display. All you have to do is press 'confirm' to start spraying. No delays. No mistaking the wrong field.

RAPID TANK FILL

Set the volume of clean water on the control panel and let the system do the rest. The powerful centrifugal pump has a fill rate of 600 l/min. It takes just 7 minutes to fill the 4000 l tank. You'll get out to the field faster and turnarounds are quicker, too.

EXCELLENT TRACTION

You'll have no problem getting the job done in wet spraying conditions or on steep slopes. The combination of even weight distribution and two independent hydraulic circuits provide outstanding traction, extending your spraying window.



... FAST FINISH

After a long day spraying there's only minimal work to do before you can put your feet up and relax.

PUSH-BUTTON RINSING

When you've finished spraying, just press the rinsing button and the PowrSpray system will do the rest. All you will have to do is to spray out the diluted volume before you leave the field. No wasted chemicals and easier switching between mixes.

FAST ROAD SPEED

With a road speed of up to 40 or 50 km/h* it won't take you long to get back to the farm to fill up again or be ready to pack up and go home. The Ecomode also reduces fuel consumption and engine noise for a smoother more economical transfer between fields.

AUTOMATIC DATA UPLOAD

All the time you're working in the field your application data is automatically uploaded to the John Deere Operations Center™. Safe, secure and backed-up on our servers you can easily share it with a third party, such as software providers for analysis and future decision-making.

*according to local regulations.



PRECISION SPRAYING

The combination of the dual circuit PowrSpray™ system, TerrainCommand Pro and Individual Nozzle Control provides a new level of accuracy and reliability compared to conventional sprayers.



INDIVIDUAL NOZZLE CONTROL

Individual nozzles can be switched on an off for highly targeted spot spraying applications. It significantly reduces your chemical usage and cuts costs.



98% SPRAYING ACCURACY*

The Direct Rate Controller switches the pump's output from minimum to maximum in less than three seconds. This maintains the application rate when the forward speed of the sprayer changes. It is also particularly useful during headland entry and exit as well as variable rate applications or spot spraying, as these require nozzles to be rapidly switched on and off.

EASY CHEMICAL FILLING

The unique ActivePause feature stops the main tank from filling while you add your crop protection chemicals and also lets you rinse the containers with clean water from the filling hose.

RELIABLE PUMP SYSTEM

The centrifugal pumps are much more reliable than traditional diaphragm pumps and require very little maintenance. There are no pressure regulators and half the number of parts. Fewer parts means less to go wrong and better long-term reliability.

ADAPTIVE BOOM SUSPENSION

The TerrainCommand Pro system (3 or 5 sensors) provides excellent stability over slopes and uneven fields for even spraying.

AIR ASSISTED BOOM**

An optional stainless steel air sleeve boom is available for widths up to 30 m. Offering excellent coverage in tall and leafy crops it provides increased penetration of the crop canopy for better pest control.

*From JDLink™ data based on the John Deere piston diaphragm pump system compared to the John Deere 7.6-cm (3-in.) PowrSpray™ system and means that the set target rate is applied 98 percent of the time.

**Please check availability with local dealer.



COMFORTABLE WORKSPACE

Comfortable and spacious with excellent visibility to the ends of the boom, the cab is designed for long days in the field. All the main functions are on the arm and the joystick controller lets you set your own field and road speeds.

HIGH DEFINITION DISPLAY

The latest G5^{Plus} Universal display gives you more screen space for your information. A faster processor for shorter boot up times. And, all in glorious high definition.

SMOOTH RIDE

The driver's seat includes dynamic air suspension to soak up the bumps in uneven fields. You'll also appreciate the seat heating on those cold, early morning starts.

EXCELLENT AIR QUALITY

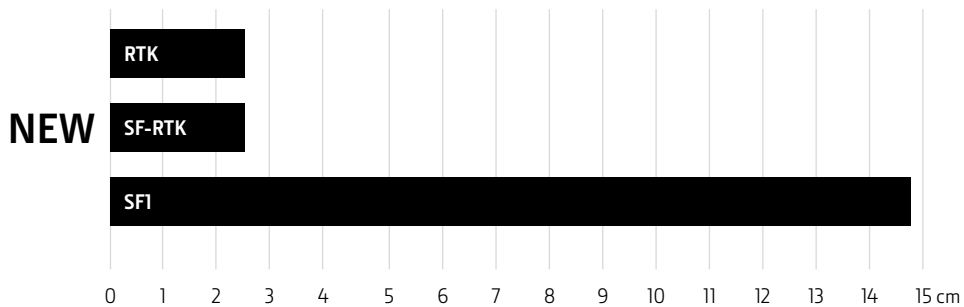
The cab is fully pressurised with a Cat.4 filtration system to minimise exposure to chemicals while spraying. The air conditioning will also keep you nice and cool on hot summer days.

GUIDANCE

The latest Starfire 7000 receiver offers a range of guidance options including SF-RTK with guaranteed repeatable accuracy up to ± 2.5 cm without the need for a base station. Work at higher speeds in crop rows. Eliminate crop damage. Avoid skips and overlaps.

STARFIRE™ 7000 RECEIVER SIGNAL OPTIONS

A compelling new level of accuracy, signal stability and repeatability



- RTK: Radio or Mobile RTK, ± 2.5 cm pass-to-pass accuracy, including 14 days RTK Extend if you lose line of sight or mobile network. Additional hardware and license(s) are required.
- SF-RTK: ± 2.5 cm pass-to-pass accuracy and 5 year repeatability. Requires recurrent license, no additional hardware.
- SF1: ± 15 cm pass-to-pass accuracy, free of charge.





FARM SMART. PROFIT MORE.

John Deere Precision Ag Technology is easy to use and helps you plan, monitor and analyse your farming operation throughout the year. JDLink™ is included as standard and connects your machine directly to the John Deere Operations Center™ for remote monitoring and automatic data transfer.

Plan your work in advance, inputting your field boundaries, chemical mixes, dosage rates and more. Monitor your sprayer during the season. When the harvest is over, analyse your yield maps for planning the next year's planting.

SPECIFICATIONS



	332M	340M	
ENGINE			
Make	John Deere	John Deere	
Rated engine power	175 hp (129 kW) Stage V	225 hp (168 kW) Stage V	
Cylinders	4	6	
Displacement	4.5 l	6.8 l	
Fuel tank capacity	300 l	300 l	
Ecomode	at 1800 rpm	at 1800 rpm	
SOLUTION SYSTEM			
Capacity, l	3200	4000	
Tank material	Polyethylene	Polyethylene	
Rinse tank capacity	230 l	460 l	
PowrSpray™ spraying pumps 2"	base	base	
Centrifugal filling pump	600 l/min	600 l/min	
Spraying pump	750 l/min	750 l/min	
Spray pressure min -max	1 - 8 bars	1 - 8 bars	
Inductor hopper capacity	50 l	50 l	
BOOM			
Boom options	Stainless steel 24 and 28 m with air sleeves High-strength Steel 24 and 28 m	Stainless Steel 24 and 28 m with air sleeves High-strength Steel from 24 to 36 m	
Automatic boom height	TerrainCommand Pro™ 3 or 5 sensors	TerrainCommand Pro™ 3 or 5 sensors	
Nozzle solutions	Individual Nozzle Control	Individual Nozzle Control	
DRIVETRAIN			
Type	Hydrostatic 4WD	Hydrostatic 4WD	
Hydrostatic pump	Twin Pump Front / Rear	Twin Pump Front / Rear	
Hydraulic tank capacity	170 l	170 l	
Wheel motors	Poclair MS08 High Flow Option: Poclair MHP11 High Performance	Poclair MHP11 High Performance	
Braking system	Front integrated dynamic brakes system + hydrostatic brakes system	Front integrated dynamic brakes system + hydrostatic brakes system	
Spray speed range	0 to 18 km/h	0 to 20 km/h	
Transport speed	0 to 40 km/h	0 to 40 or 50 km/h*	
Steering mode	2-wheel drive, 4-wheel drive and crab mode	2-wheel drive, 4-wheel drive and crab mode	
CHASSIS			
Crop clearance with standard tires	110 cm	110 cm	
Turning radius – inner	380 cm	420 cm	
Turning radius – outer	450 cm	510 cm	
Parking brake	Negative parking brake	Negative parking brake	
Total unladen weight	from 7500 to 8100 kg	from 8500 to 9500 kg	
Weight distribution	50 - 50	50 - 50	
Ladder	Hydraulic	Hydraulic	
TREAD ADJUSTMENT			
Manual Hydraulic track, m	150 to 180 180 to 225 225 to 300	150 to 180 180 to 225 225 to 300	
Automatic track, m	150 or 180 180 or 225 225 or 300	150 or 180 180 or 225 225 or 300	
TYRES			
Size available	With Poclair MS08 High Flow: 270/95R44 300/95R42 320/90R42 380/80R38 VF 540/65R30 VF	With Poclair MHP11 High Performance: 270/95R48 VF 320/90R46 IF 340/85R46 380/95R38 IF 540/65R38	270/95R48 VF 320/90R46 IF 340/85R46 380/80R38 VF 380/90R46 540/65R38 650/60R38 VF

*Please check local regulation with your dealer



WHY CHOOSE JOHN DEERE?

We've been in the sprayer business for almost 100 years and build all key components in-house: engines, transmissions, cabs and electronic control systems. John Deere also owns the StarFire guidance system which provides you with a reliable signal for accurate spraying and our data connectivity helps you analyse your applications for better decision-making.

Above all, it's the service provided by our network of factory trained specialists that gives you the long-term support and advice to get the most from your sprayer.



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