



MASSEY FERGUSON

MF 9300

Self-propelled Sprayer



The joy of simplicity

At Massey Ferguson, we understand the need for simplicity. Each feature of the MF 9300 Plus self-propelled sprayer has been designed, tried and tested to meet your needs.

Delivering precision, capacity and comfort, this is straight-forward machinery to cover more hectares per day while minimizing operating costs.

To meet the demand in the market for a robust, entry level machine, Massey Ferguson introduces the MF 9300 self propelled sprayer. Designed for small and medium sized applications, operators will appreciate its simplicity, strength and value.

The MF 9300 Plus is synonymous with technology, durability and performance. Manufactured in Canoas, Brazil for over six years, this machine has proven tremendous success.



Precision engine performance

The heart of a Beast

The excellent build quality and latest engine technology guarantees optimum fuel efficiency, maximum power, reliability and longevity.

The MF 9300 Plus is equipped with the distinguished AGCO POWER 6.6 liter Tier 3 engine

With unmatched fuel economy when coupled to the machine's hydrostatic drive system, the power and torque characteristics of this machine surpass that of its competitors

The engine is programmed to create maximum torque where the drive system requires, providing healthy torque at low revs with 210 HP and 790 Nm of torque at 1,800 rpm.

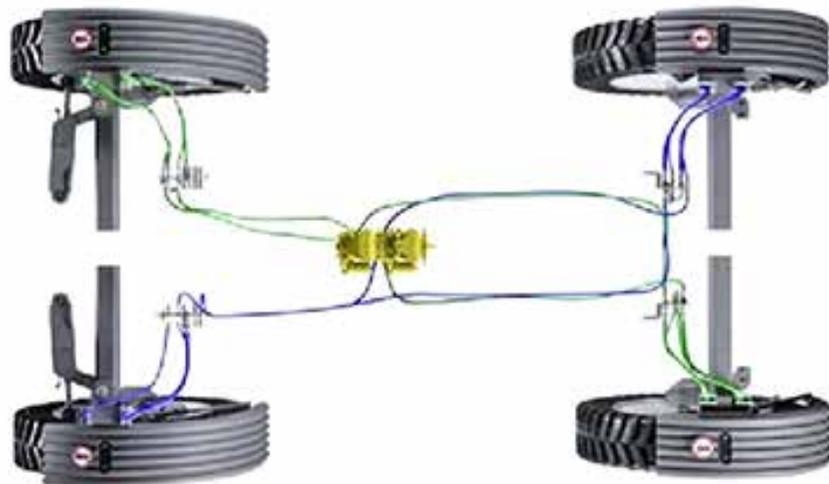
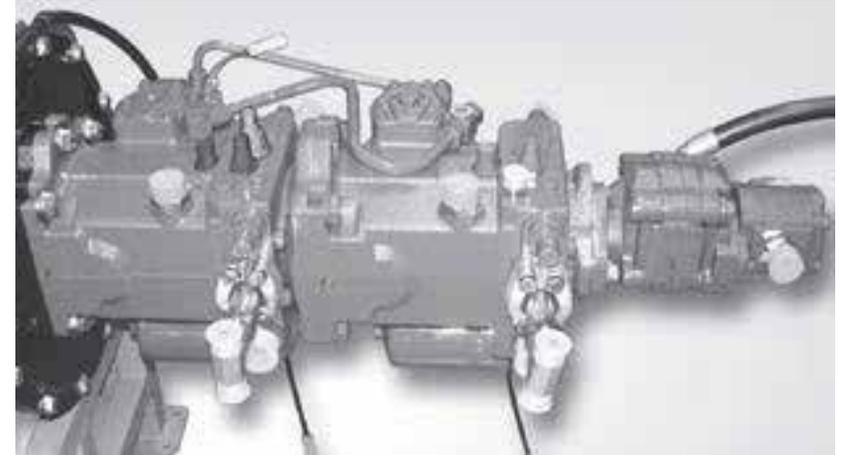


Cross Drive Transmission

The key to an efficient day's work is choosing reliable machinery that will help you get more done in less time over a range of tasks.

The MF 9300 Plus utilizes Bosch Rexroth components in its effective cross drive transmission. Undulating country, hills and boggy paddocks are a breeze, With huge amounts of torque and no loss of traction, the sprayer gives you the control in even the toughest conditions.

Two large capacity 90cc variable displacement pumps drive opposing wheel motors on the front and rear of the machine. The hydrostatic drive system has a poly link between the flywheel and the first pump, providing a fail-safe in the event of a pump failure.



Hydrostatic Drive System

A feature unique to the MF 9300 Plus is the addition of The DA (double acting) valve to the hydrostatic drive system.

Most hydrostatic machines require 26 bars of pressure from the pumps before the wheel motors will accept oil, this in turn results in the engine running at over 2,000 rpm and in some cases, up to 2,500 rpm.

The DA valve allows the wheel motors to accept oil at seven bars which occurs at a low 1,250 rpm. The MF 9300 Plus differs when the system hits 26 bar pressure at 1,800 rpm, allowing full torque from the engine and transmission providing fuel economy normally unseen in a hydro sprayer.



C-Flex Chassis

A sprayer covers demanding conditions, and a tough chassis is the assurance the operator needs to guarantee safety on any given day.

Stay Grounded

The fully bolted C-flex chassis gives the MF 9300 the ability to traverse channels, banks and contours most would not attempt.

The frame is not welded at any point, so when the suspension runs out of travel, the chassis itself will flex, allowing all wheels to stay in contact with the ground, ensuring the safety and agility of the MF 9300 even in the most adverse conditions

Manufactured from high rupture resistant material, the large C rails of the chassis add to the machine's robustness, giving the operator piece of mind no matter how demanding the terrain is.



Suspension

The active airbag suspension is simple, reliable and delivers a smooth ride in the field and on the road in transport.

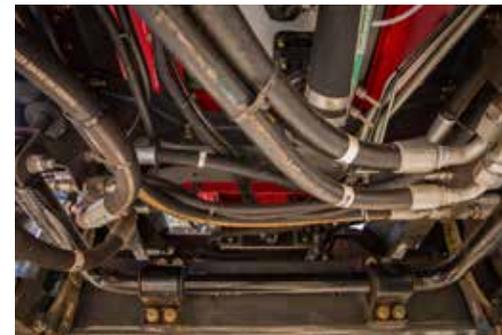
Each airbag is controlled by its own dedicated mechanical valve making sure the ride is adjusted to every change in condition.

The suspension is fed by a large 20 liter reservoir with a mechanically driven compressor at the engine with two conveniently located outlets for cleaning the nozzles and cabin.



Independent active pneumatic suspension

Not only does the suspension system offer a comfortable ride, but it also offers a longer service life as shock loads are soaked up by the suspension, not the chassis and boom.



Stabilizer bar

Many of these parts are commonly used heavy duty truck components such as sway bars and shackles, which require no maintenance at all.

Booms

The boom is a design used by AGCO for many years with added strength to handle arduous South American conditions. Consequently, the boom is strong, reliable and floats exceedingly well even in high speed spraying applications.

The booms are available in 28 or 30 meter widths with the following options fitted as standard to every machine:

- Section control (7 sections all boom widths)
- Fence line nozzles
- Norac auto boom levelling with 5 sensors
- Boom suspension on center section
- 1" stainless steel boom lines
- Hypro triple nozzle bodies
- Able to run with wing tips foled (19 m)

The MF 91300 Sprayer is available with many options as standard, providing a great amount of value.

Additional standard features of the boom include:

- Break away with soft return
- Boom skids
- Transport locks
- Work lights for night work

The Plumbing System



Main Commodity Tank

The 3000 liter tank has dual hydraulic agitators and a single oscillating tank rinse nozzle fed by a 240 litre fresh water reservoir. The tank sits in a cradle which allows the chassis to flex if required beneath the tank.

Features include:

- 40 litre standalone hand wash tank
- Adjustable agitation rate
- high and low level tank sensors



Filling Station

Massey Ferguson is world-renowned for the easy use of its machines and the filling station of the MF 9300 is no different; it's simple to understand and operate.

Features include:

- 2" and 3" cam lock fill point
- 568 l/min reload pump
- Unload point
- 26.5 litre hypro chem hopper
- Adjustable agitation rate
- Fresh water pump on/off
- Tank rinse
- Hand wash
- Air connection for nozzle cleaning



Commodity Pumps

The main sprayer pump is a 549 l/min Hypro "Force Field" run dry pump controlled by a PWM valve. Enforcing its efficiency, the MF 9300 keeps the pump running at precisely the right rate to maintain the correct output of the product even during speed changes.

Allowing the operator to quickly fill the tank from dams and tanks when necessary, the 568 l/min reload pump is also a standard fitting on the MF 9300.

The best working environment

Designed for safety, clarity and comfort; the MF 9300 gives you the kind of work environment you need to get through a tough day's work.

Effortless comfort

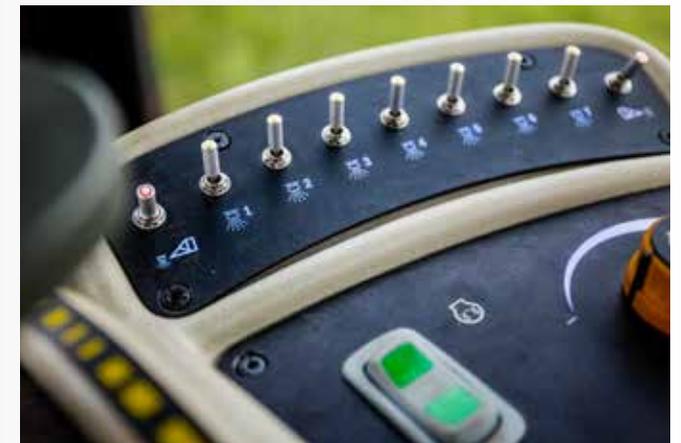
The cabin of the MF 9300 is simple, uncluttered and functional to maximize operator comfort and safety.

Controls are ergonomically arranged, within easy reach and the cabin provides a generous amount of space to increase daily productivity and reduce fatigue, especially when spending long hours behind the wheel.

The adjustable air ride seat combined with the air-conditioning system and low levels of noise and vibrations ensures a comfortable and pleasant work station at any time of the year.

Better visibility

In addition to providing the operator with an excellent view of the front, sides and rear, the positioning of the cab allows great vision of the tyres and boom.



Technology

The MF 9300 has been fitted with the latest technology, assisting with accuracy and data recording.

The MF 9300 arrives from the factory fitted with autonomous auto steer. However, the options don't end there; this can be upgraded to sub-meter at any time. If at any point, higher precision is required, it can be upgraded to RTK.

To monitor productivity, all jobs and spray data can be recorded on the C3000 terminal and easily stored onto a USB for record keeping and data analysis.

The MF 9300 is fitted with telemetry, offering the ability to track and monitor machines from your office which provides an insight into the machine's operational efficiency and any potential breakdowns before they may occur.



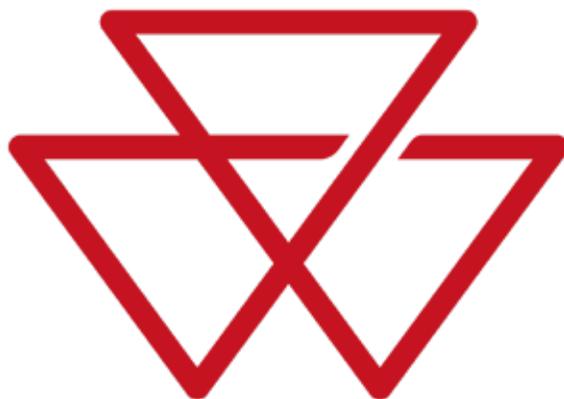
Specifications

	MF 9330	MF 9350
Engine Performance		
Max hp (kW) power	⊕ ISO hp (kW)	210 (157)
Max torque @ 1800 RPM	Nm	790
Engine		
Type/Capacity/no. of Cylinders	AGCO POWER 6.6 Litre, 6 cylinders	
Transmission		
Brand/Type	Bosch Rexroth Hydrostatic Full Time 4x4	
Speeds	3	
Pump	2 x 90cc	
Wheel Motors	Axial	
Speeds @ 1800 RPM		
Wheels	380 / 90R46	
1 st	km/h	21
2nd	km/h	32
3rd	km/h	45
Brakes		
Service	Hydrostatic Dynamic	
Parking	Electro Hydraulic Activation	
Chassis		
Type	Flex Frame	
Material	Steel Alloy	
Shape	Section "C" chassis fully bolted	
Suspension		
Type	Active airbag with stabilizers	
Guage		
Adjustment	Hydraulic	
Minimum	m	2.8
Minimum	m	3.4
Steering Wheel		
Type	Hydraulic	
Turning Radius	m	7.5
Electrical System		
Battery	1 x 170A	
Voltage	12 V	
Alternator	200 A	

	MF 9330	MF 9350
Cab		
Area	m	
Suspension	4 x rubber cushions	
Air Conditioner	Hot / Cold	
Filters	2 x Activated charcoal	
Steering wheel	With position adjustment	
Seat	Pneumatic with adjustment	
Instructor Seat	Yes	
Capacities		
Fuel	Litres	365
Hydraulic	Litres	200
Dimensions and Weight		
Total Length	m	8.5
Total Height	m	3.95
Min. Width Transport	m	3.5
Wheel Base	m	4.4
Clearance	m	1.65
Dry Weight	m	8,900
Full Weight	m	11,900
Wheels		
Size	380 /90R46	
Tank		
Capacity	Litres	3000
Material	Polyethylene	
Supply Nozzle	1950 2" and 3"	
Tank Washing	1 x Rotary Water Jet	
Agitator	2 x Hydraulic	
Spray Control		
Mode		
Bar Sections with Automatic Sealing	Standard C3000	
Boom Levelling	Standard	
Onboard Technology		
Auto Steer	Auto-Guide 3000 autonomous	
Telemetry	Standard – must add subscription	

	MF 9330	MF 9350
Reloading Product Pump (Standard)		
Type	Centrifugal	
Brand	4 Hypro,300	
Material	Polypropylene	
Capacity (l/min)	658	
Clean Water Tank		
Capacity	Litres 260	
Material	Polyethylene	
Boom		
Assembly	Rear	
Width	m Standard 30 m – Optional 32 m	
Minimum Height	cm 70 on 380/90R46 wheels	
Maximum Height	m 2.1 on 380/90R46 wheels	
Boom Lines	1" Stainless Steel	
Nozzle Bodies	Hypro Triple Bodies	
Nozzle Spacing (cm)	50	
Sections	7	
Section Valves	KZ Electric Valves	
Sprayer Pump		
Type	Centrifugal (Run Dry)	
Brand	Hypro "Force Field"	
Operation	Hydraulic Motor	
Maximum Flow (l/min)	549	
Material	Stainless Steel	
Reload Station		
Illumination	Standard	
Security System	Standard	
Air Outlet	Standard	
Chemical Hopper	Standard	
Chemical Hopper		
Material	Polyethylene	
Capacity (Litres)	26.5	
Fresh Water Feed	Penumatic Driven Pump	
Sprayer System Filters		
Main Line Filter	Pressure 30 mesh	
Line Filter	80 mesh	





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