



MASSEY FERGUSON

MF 8225

Self-propelled Sprayer



A new standard of efficiency

Each feature of the MF 8225 self-propelled sprayer has been designed, tried and tested to meet your needs.

Spraying is essential to guarantee productivity. To carry out the activity efficiently, the farmer needs strong machines. Massey Ferguson sprayers are equipped with the exclusive high-torque AGCO Power motor, which runs every day at the farmer's side from sunrise to sunset.

Designed for small and medium sized applications, operators will appreciate its simplicity, strength and value.

The farmer who buys the MF 8225 will have machines always available and unbeatable in terms of efficiency and fuel economy.



High Power to work in the field

AGCO Power Engine

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

The MF 8225 Plus is equipped with the distinguished AGCO POWER 4 cylinder 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 high torque at low revs with 174 HP and 675 Nm of torque at 1,900 rpm.

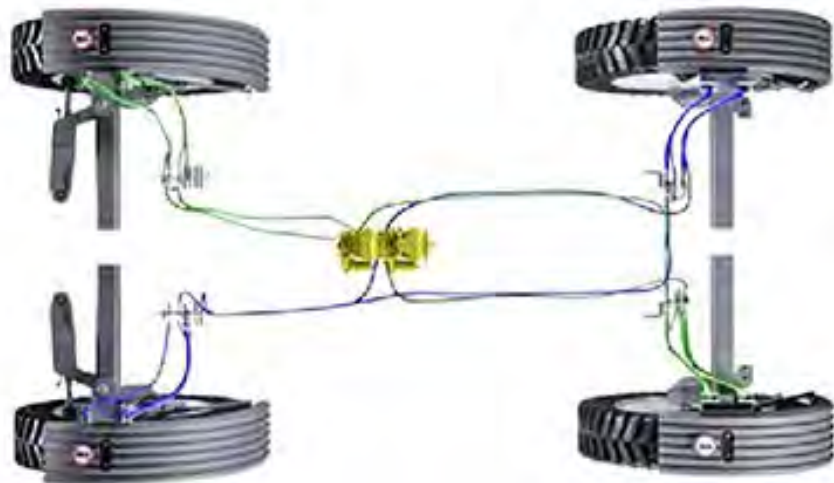


Cross Drive Transmission

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 8225 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 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 8225 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 8225 differs when the system hits 26 bar pressure at 1,500 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 8225 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 8225 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.

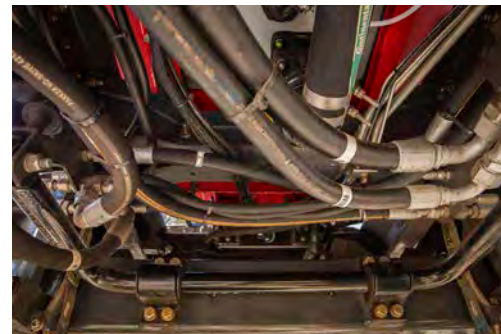
Each airbag is controlled by its own dedicated mechanical valve making sure the ride is adjusted to every change in condition.

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 African conditions. Consequently, the boom is strong, reliable and floats exceedingly well even in high speed spraying applications.

The booms are available in 25 meters (optional) and 28 meters (Standard) 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 8225 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
- Transport locks
- Work lights for night work



The Plumbing System



Main Commodity Tank

The 2500 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 8225 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 8225 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 8225

The best working environment

Designed for safety, clarity and comfort; the MF 8225 gives you the kind of work environment you need to get through a tough day's work.

Effortless comfort

The cabin of the MF 8225 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 8225 has been fitted with the latest technology, assisting with accuracy and data recording.

The MF 8225 arrives from the factory fitted with a guidance system. To monitor productivity, all jobs and spray data can be recorded on the Topcon X25 terminal and easily stored onto a USB for record keeping and data analysis.

The MF 8225 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.



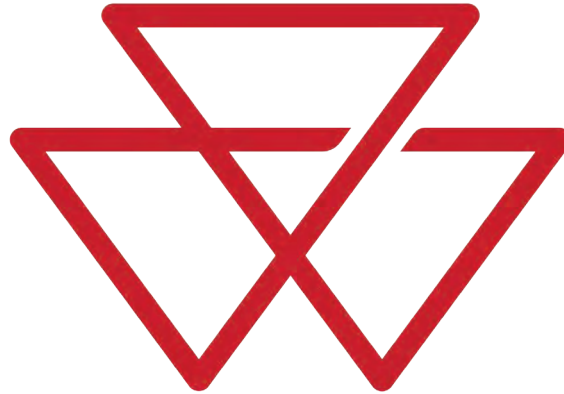
Specifications

		MF 8225	
Engine Performance			
Max hp (kW) power	⊕ ISO hp (kW)	174 (130)	
Max torque @ 1500 RPM	Nm	675	
Engine			
Type/Capacity/no. of Cylinders	AGCO POWER 4.9 Litre, 4 cylinders		
Transmission			
Brand/Type	Bosch Rexroth Hydrostatic Full Time 4x4		
Speeds	3		
Pump	2 x 90cc		
Wheel Motors	Axial		
Speeds @ 1800 RPM			
Wheels	380 / 80R38	380 / 90R46	
1 st	km/h	16	21
2 nd	km/h	24	32
3 rd	km/h	33	46
Brakes			
Service	Dynamic hydrostatic		
Parking	Electro Hydraulic Activation		
Chassis			
Type	Flex Frame		
Material	Steel Alloy		
Shape	Section "C" chassis fully bolted		
Suspension			
Type	Pneumatics with stabilizer bars		
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 8225	
Cab			
Area	m ²	5	
Suspension	4 x rubber cushions		
Air Conditioner	Hot / Cold		
Filters	2 x Activated charcoal		
Steering wheel	With position adjustment		
Seat	Standard: Mechanical Optiona: Pneumatic with adjustment		
Instructor Seat	Yes		
Foldable Ladder	Standard		
Capacities			
Fuel	Litres	365	
Dimensions and Weight			
Total Length	m	8.5	
Total Height	m	4.05	
Min. Width Transport	m	3.2	
Wheel Base	m	4.4	
Ground Clearance	m	1.5 (380 / 80R38)	
Ground Clearance	m	1.65 (380 / 90R46)	
Dry Weight	kg	8,700	
Full Weight	kg	11,200	
Wheels			
Standard	380 / 90R46		
Optional	380 / 80R38		
Tank			
Capacity	Litres	2500	
Material	Polyethylene		
Supply Nozzle	1950 2" and 3"		
Tank Washing	1 x Rotary Water Jet		
Agitator	2 x Hydraulic		
Spray Control			
Model	X25		
Bar Sections with Automatic Sealing	Standard		
Boom Levelling	Optional		
Onboard Technology			
Guidance	X25 10 centimeter (standard) X 25 centimeter (RTK) (optional)		

MF 8225	
Reloading Product Pump (Optional)	
Type	Centrifugal
Brand	4 Hypro,300
Material	Polypropylene
Capacity	(l/min) 568
Clean Water Tank	
Capacity	Litres 240
Material	Polyethylene
Boom	
Assembly	Rear
Width	m 25 or 28
Tip (breakaway)	m 5.7
Minimum Height	m 0.55
Maximum Height	m 1.95
Boom Lines	1" polypropylene with quick release system
Nozzle Bodies	Hypro Triple Bodies
Nozzle Spacing	cm 50
Sections	7
Section Valves	Electric Valves
Sprayer Pump	
Type	Centrifugal
Brand	Hypro "Force Field"
Operation	Hydraulic Motor
Maximum Flow	l/min 549
Material	Stainless Steel
Reload Station	
Lighting	Standard
Chemical Hopper	Standard
Chemical Hopper	
Material	Polyethylene
Capacity	Litres 26.5
Sprayer System Filters	
Main Line Filter	Pressure 30 mesh
Line Filter	Triple 80 mesh





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