



# Pure power and performance from Massey Ferguson

# MF 5600

	MF 5608	MF 5609	MF 5610
Max power @ 2,000 rpm (hp)	85	95	105
Max Torque Nm @ 1,600 rpm	363	405	413
Transmission Type	Dyna-4	Dyna-4	Dyna-4
Engine Type	AGCO POWER 3.3 litre		
Cab Type	Essential		

# **Engine Highlights**

- ▶ Compact, agile short wheelbase models from 85 hp to 105 hp
- ▶ Outstanding manoeuvrability, visibility and features for loader operations
- ▶ Select from a choice of hydraulic systems to match the flow rate and the response you need
- ▶ Dyna-4 transmission standard on all models



# Bodyscan your MF 5600

# Designed and built specifically for you!

01 AGCO POWER engines

Pioneering 85 hp to 105 hp engines that deliver excellent fuel economy and performance.

02 Automatic low idle speed

The engine automatically reduces the engine speed when idling, which helps save fuel and reduces noise level.

03 High visibility pivoting bonnet

Unrivalled visibility for loader and front linkage operation over a slim, steep nose bonnet.

04 Compact cooling package

Clever design provides a compact, yet highly efficient cooling package, for optimum visibility over the slim, low bonnet.

05 Top transmission choice

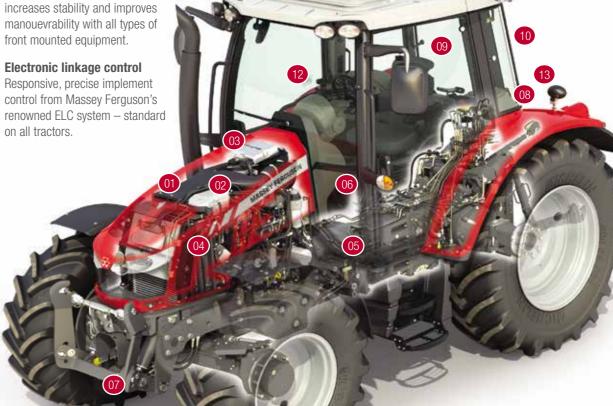
Renowned Dyna-4 transmission available on all models with optional AutoDrive.

06 Brake to Neutral function New brake pedal-activated transmission to neutral

increases efficiency and improves operator comfort, particularly in loader operations.







09 Spacious, comfortable high visibility cab

Clear console, slim dashboard, large glass area and convenient control, operators will appreciate the highest levels of comfort.

10 Cab suspension

Mechanical cab suspension offers extra comfort and increases productivity over long working days.

11 Cab roof and height options to suit Choose from Standard roof or Visioline roof for

unmatched loader visibility.

12 Simple joystick controls

Superb loader joystick choice allows operators to control the MF loader, transmission and hydraulics with the right hand.

13 High flow hydraulics Choice of two high flow hydraulic systems.

# The new power generation

# Introducing the new AGCO POWER Engines

AGCO POWER has gained an enviable reputation as one of the world's leading manufacturers of agricultural engines. More than 70 years of experience and expertise has recently been reinforced by huge investments in engineering and manufacturing. The prime focus on research and development along with state-of-the-art engineering results in the most advanced, efficient and reliable power that is the optimum driving force within every Massey Ferguson tractor.

Innovative design and clever engineering allows the MF 5600 Series to be equipped with compact cooling packages, which provide unparalleled visibility for all operations without impacting efficiency.



# Ground-breaking three cylinder engines

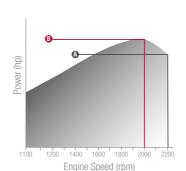
Economical, compact AGCO POWER three cylinder, 3.3 litre engines deliver 85 hp to 105 hp across the MF 5600 range and combine superb performance with efficiency.

# **Engine Highlights**

- ▶ Developed specifically for use in agriculture, the ground-breaking 3.3 litre engine offers exceptional power density from its three cylinders. On top of providing more output per cylinder, this design is perfectly sized for the application and offers unrivalled levels of power and torque, generated at low engine speeds for optimum fuel economy.
- ▶ The ingenious design of its electronically-controlled, common-rail fuel injection and superb airflow through four valves per cylinder, provides great performance and low fuel consumption.
- ▶ The AGCO POWER three cylinder unit is very compact, allowing operators to benefit from superb visibility over the slim, steep-nosed bonnet. This also provides plenty of space for the new, easy-to-clean cooling package.
- ▶ Three cylinders means there are fewer moving parts that create less friction, further improving fuel efficiency.

## 3 cylinder engine benefits are:

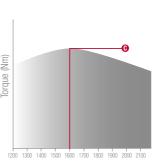
- ► AGCO POWER three cylinder, 3.3 litre engines generate maximum powers of 85 hp, 95 hp and 105 hp
- ► Maintenance free, emission control technology
- Exceptional power density delivers high output per cylinder
- ► Electronically controlled common-rail fuel injection
- ► Highly efficient, yet compact cooling package for high visibility over slim, steep nose bonnet



## Constant power

This curve clearly shows high power, with 'constant power' maintained down to 1,570 rpm.

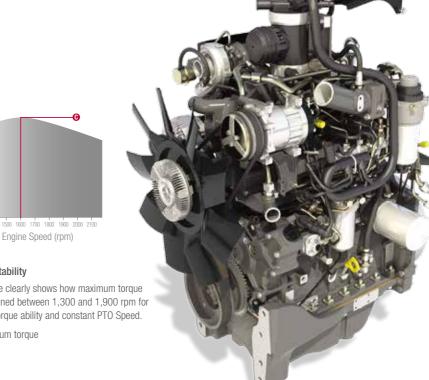
A. Rated power B. Maximum power



## Torque stability

This curve clearly shows how maximum torque is maintained between 1,300 and 1,900 rpm for greater torque ability and constant PTO Speed

C. Maximum torque



Three cylinder powered models	MF 5608	MF 5609	MF 5610
Max (ISO 14396) hp @ 2,000 rpm	85	95	105
Max torque (Nm) @ 1,600 rpm	363	405	413

# $D\sqrt{na-4}$ – Efficiency at your fingertips

Our renowned Dyna-4 transmission has been specifically optimised for use in the MF 5600 Series.



# All the three cylinder MF 5600 Series tractors - from 85 hp to 105 hp - are equipped with the Dyna-4 transmission as standard.

This Massey Ferguson transmission is renowned for its outstanding robust reliability with smooth and effortless operation, offering completely clutchless control via the left-hand Power Control or levers on the right-hand console or armrest, as well as on the convenient loader joystick controls.

A new brake-to-neutral function is standard. As soon as the brake is pressed it simultaneously operates the clutch. This eases the load on the operator, while increasing efficiency and convenience and particularly useful for loader operations.

To ensure smooth progress, Speedmatching is specified as standard on Essential versions to ensure that the most appropriate Dynashift ratio is automatically selected when range changes are made. Advanced AutoDrive is an option on all Essential versions. Supercreep speeds and Comfort Control are also available - depending on model specification.



## Simple, multi-function left-hand control

The exclusive Power Control lever provides convenient three-in-one, straightforward operation. Operators can shuttle between forward/reverse. shift Dynashift speeds and ranges and select neutral, leaving the right hand free to operate the loader or implement hydraulics.



## Right-hand T-handle

Simply move the T-shaped transmission control lever forwards or backwards to change up or down through the 4 or 6 Dynashift ratios. To change range, simply press the range selection button as you move the lever.



AutoDrive provides automatic operation, and operates in two modes. In 'Tortoise' setting it changes the Dynashift speeds within the ranges, while in 'Hare' it shifts the Dynashift speeds and the ranges (in Pedal Mode).



#### Supercreep

Close control in specialist low-speed tasks is assured with additional supercreep gears, enabling forward speeds as low as 0.1 km/h to be achieved.



#### **Comfort Control**

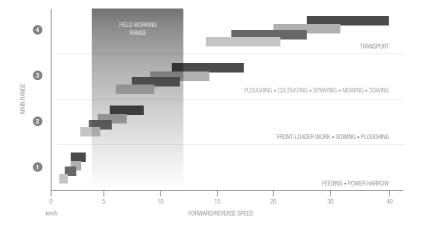
Smooth or quick shuttling – you choose by simply adjusting the Comfort Control that suits the job slow and smooth or fast and efficient.

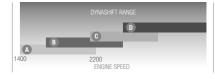
The impressive performance and efficient design of the Dyna-4 transmission provides unbeatable productivity, control and convenience, with completely clutchless shifting of 16 forward and 16 reverse speeds.

All MF 5600 Series models are equipped with a Dyna-4 transmission – each of which has been developed especially to handle the power of your MF 5600 Series tractors.

These transmissions are packed with advanced features and automatic functions, yet are reassuringly easy to operate.

Dyna-4 provides class-leading, simple and convenient control using either the left-hand Power Control or right hand T-lever. There's also a loader joystick that changes direction and shift speed.





Dyna-4 offers four Dynashift changes in each range with excellent overlap Field Working range to ensure you can always select the right speed to suit all tasks and conditions. The maximum 40km/h top speed improves efficiency on the road.

# **Dyna-4 Highlights:**

- Exceptional performance in the vard, field or on the road - 16 forward and 16 reverse speeds on one lever, all shifted without using the clutch. Speedmatching selects the best dynashift ratio when shifting range
- ▶ Ultimate ease of use with left-hand Power Control lever, T-Lever or optional Joystick control



# Welcome to your workplace

We take great care to ensure that as an MF 5600 operator, you will always benefit from an outstandingly quiet and comfortable cab, which combines unrivalled visibility with a superb control layout to reduce fatigue and create a more productive, peaceful workplace.

The high quality cab, is finished to the highest standards with a large front screen for excellent visibility across the steep nosed bonnet. It is equipped with a host of features that ease your workload and boost overall performance.

The choice of a Visio or standard roof allows for the best mix of comfort and visibility.



A choice of roof types allows you to tailor your MF 5600 Series tractor to suit you exact needs. To maximise visibility, specifically when using a front loader in its fully raised position, the Visio Cab Roof features a large opening glass screen with FOPS at the front of the roof panel. A sun blind is provided to reduce glare when the screen is not in use.



# Information where you need it

Visio roof with FOPS

Clear, bright instruments sit within a slim dashboard and show vital operating information. A wide range of functions can be set and adjusted on the dot matrix screen



# Top class comfort

There is a choice of seats to suit particular workload and tasks. Mechanical suspension is ideal for road application. while an automatic air suspended seat provides extra comfort for long days.



## All in the right place

The right-hand pillar houses less frequently-used switches that are still an integral part of the working day. Here you will find working lights, rear PTO selection, rear linkage settings as well as control of the Combine Flow hydraulics.



### Easy cab access

You can get into the cab through either the left or right doors, with great access up wide, well-spaced steps. The bottom step is fully-adjustable so you can choose the most convenient, comfortable height



# **Essential**

# Straightforward, practical design makes operation easy

Essential is the interior specification for the MF 5600 Series. It provides all the key elements you would expect from Massey Ferguson, with a blend of simplicity, straightforward design and versatility to fit needs that require power and performance without excess sophistication.



# Standard Essential features include:

- ► Control Centre with T-handle transmission lever
- ▶ Dvna-4 16x16 semi-powershift transmission ▶ Brake to Neutral Clutch Effect to place the transmission into neutral when you brake
- ► Mechanical control of spool valves
- ► Air Conditioning with manual adjustment

## **Essential specification options:**

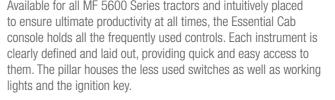
► Integrated front linkage and PTO

Worklights and

beacon control panel

- ► Mechanical Multifunction loader joystick
- ► AGCOMMAND™ Telemetry System Ready







can be specified as an option

Transmission control lever for effortless speed and range changes

> Hand throttle Electronic linkage control Linkage depth control



# The unrivalled loader specialist

MF 5600 Series tractors are designed specifically to provide optimum handling ability when coupled with the MF 900 Series loaders. The perfect combination both are fully integrated from the factory to deliver ultimate performance.

# **Ultimate loader specification**

Tractors ordered as 'loader ready' come with a range of unrivalled factory-fitted features and only require the fitting of loader beams and implements.

- ► Fully integrated loader sub-frame
- ▶ Pre-installed pipes to the spool valves mounted on the loader bracket
- Mechanical joystick

## **Mechanical control provides:**

- ► Additional functions set on the dashboard dot matrix display
- ► Lock/unlock of the attachment pins
- ► Loader suspension on/off
- ► Transmission to neutral with brake setting
- ▶ Operation of the 3rd and 4th loader functions



## MF 5600 Series: Ultimate loader features

- Excellent visibility over slim dashboard and narrow steep-nose bonnet
- ► Highly manoeuvrable, agile design
- ► Two cab positions and a choice of Standard or Visioline roofs
- ► A choice of two hydraulic systems provide exceptional pressure, flow and response
- ▶ Left-hand Power Control lever or right-hand T-handle change direction, shift speeds and selects neutral
- ► A choice of joysticks operate the loader, as well as change direction and change speeds
- ▶ Brake to Neutral function Brake activated transmission to neutral
- ► 'Comfort-Control' Adjustable shuttle sensitivity from slow and smooth to fast and dynamic
- ► Tractors ordered 'Loader ready' require just the fitting of the quick coupler, loader beams and implement

## MF 900 Series: The ultimate loader

- ▶ Designed for fitting MF 5600 Series tractors
- ► Clean beam design offers unrivalled visibility and safety
- ► Enclosed pipework reduces the risk of damage
- ► 'Lock & Go', semi-automatic connection and removal system simplifies mounting
- ► Fast coupling of all hoses
- ► Soft Drive absorbs shocks and protects operators and the machine from shock loads
- ► Fully integrated operation through a range of MF 5600 Series joysticks
- ► Simple fitting of a wide range of implements

MF 5600		MF 900 Series loaders without parallel linkage		MF 900 Series loaders with parallel linkage		
3333		MF 941*	MF 951*	MF 949	MF 956	MF 956X
MF 5608		•	•	•	•	•
MF 5609		•	•	•	•	•
MF 5610		•	•	•	•	•
Lift height to pivot pin	m	3.75	4.0	3.90	4.0	3.90
Lift capacity at max. height at pivot pin	Kg	2,150	2,310	1,890	2,060	1,600
Lift capacity ground level at pivot pin	Kg	2,810	2,920	2,220	2,520	2,520
Min rollback angle	Degrees	43	46	45	45	43
Max dump angle	Degrees	59.7	55.5	54	55	46





# Unlock the potential

# **Hydraulics and Power Take Off**

The key to reliable, hard-working machinery is to choose a tractor that meets the requirements of today's modern implements and utilises them to their full potential within a wide range of agricultural applications. The MF 5600 Series has excellent lift capacity and loader capability with outstanding hydraulic potential and PTO specifications to give you total operating flexibility.

# **Advanced hydraulics**

# Simple, effective hydraulic system

58 litre/min of oil is available for linkage and external hydraulic functions. Plenty of flow and pressure to cater for lifting heavy equipment or powering ancillary accessories.

## 100 litre 'Combined' flow option

100 litre/min oil flow is achieved at the press of a button, a higher flow is made available to give extra speed and power for loader operation.

## **High efficiency PTO**

The PTO stems from a simple driveline giving maximum power transmission. PTO speed selection is electrohydraulic. Rocker switches are conveniently placed in the console.





## **PTO Engagement**

PTO engagement remains electro-hydraulic using the same 3-position safety switch (On, Off, and Lock/Brake). Standard external fender mounted switches are available for PTO engagement and disengagement.

- ▶ 540/ 540 Economy/1000 rev/min 'economy' offers standard and ECO PTO speed at 1560 engine revs to save fuel and cut production costs
- ► Electrohydraulic selection switches give optimum convenience to the operator
- ▶ PTO STOP/START button on the rear fender allows the operator to use attached machinery safely and securely from the exterior of the tractor cab
- ► Automatic PTO will engage and disengage when the rear linkage is raised and lowered
- ▶ Optional front PTO available



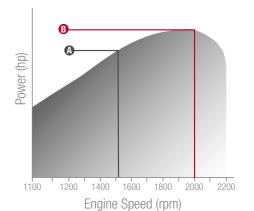
Operator control comes from the switch mounted on the right-hand console



Electro-hydraulic PTO speed selection

The alignment of the available PTO speeds to engine speed has been designed to ensure optimum utilisation of the AGCO POWER engine power and torque characteristics, whilst minimising fuel usage for maximum productivity and efficiency.

A. 540 Eco PTO speed @ 1,560 rpm B. 540/1000 PTO speed @ 2,000 rpm



# Serious about hard work

Both the front and rear axles on the MF 5600 Series have been specially designed to work harder, tackling the toughest jobs with ease. Our rear axle design provides you with a strong, rigid and safe location for the brakes, differential lock, 4WD clutch and PTO driveline.

# Industry-leading Electronic Linkage Control (ELC) as standard

The latest ELC system provides precise and responsive control of the linkage functions, ensuring accurate control of the depth of work for soil engaging implements plus working height for non-soil engaging implements.

The controls include the mouse and a simple panel which provide a convenient and simple control of the linkage. Active transport control is also a highly useful standard feature. External lift/lower control is located on the right and left hand fenders.

The ELC 'mouse' is placed specifically to the right of the operator to provide quick and easy access, allowing precise control of implement depth and lifting and lowering of linkage.

The Electronic Lift Control panel allows straightforward adjustment of other rear linkage functions for enhanced productivity.

# Highly specified three-point linkage

The rear linkage has been optimised specifically to complement this size of tractor. It boasts an impressive lift capacity of up to 4,300 kg, meaning that heavy-mounted equipment can be lifted with ease

Fully adjustable lift rods and heavy-duty stabilisers provide adjustment for the correct attachment and setting of a wide range of mounted and semi-mounted implements.





FLC controls



Fender mounted rear linkage controls

#### **Functions include:**

- ► Position/Intermix/Draft control For precise operation with all types of implement
- ► Rate of linkage lowering control For optimum performance and safety, including lock
- ► Maximum lift height control Adjust the lift height accurately and protect PTO drive shafts, safeguard both tractor and implement and reduce cycle times during headland turns
- ► Lift/Lower/Height/Depth control Allows for precise adjustment and ensures accurate control
- ► Active Transport Control (ATC) Provides shock dampening for the rear linkage and protects the tractor during transport of heavy implements, resulting in improved driver comfort

# Compact integrated front linkage for complete versatility

Take full advantage of the power of the MF 5600 Series to boost productivity with front and rear combinations. The close coupled front linkage is an integral part of the design, maintaining the tractor's compact dimensions, which aids stability and manoeuvrability.

With a lift capacity of 2,500 kg, the front linkage can handle modern implements with ease and great control. On all efficient tractors you can even employ the electronic joystick option to operate the linkage.

- ► Electrical plug
- ► One set of hydraulic couplers (standard)
- ► Front PTO option
- ► Improved ground clearance enables the tractor to be used in difficult and tough terrain





# In total control

#### **Automated control**

► Transmission controller automates frequently used functions, including differential lock, PTO and transmission Speedmatching

#### True four-wheel drive

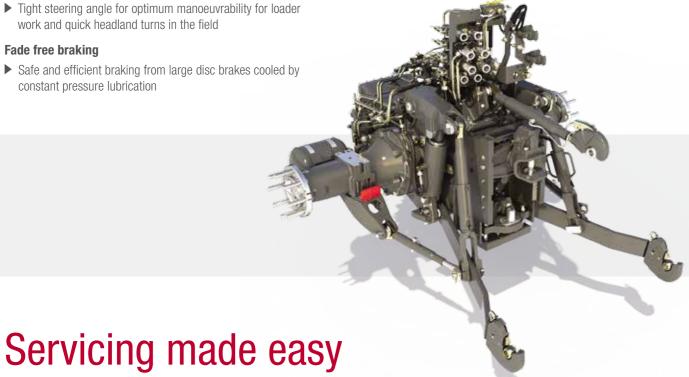
- ► Hydralock provides true four-wheel drive with fast and full simultaneous activation of the front and rear differential locks
- ► Centre-mounted (enclosed) driveshaft offers excellent ground clearance
- ▶ Tight steering angle for optimum manoeuvrability for loader work and quick headland turns in the field

## **Fade free braking**

▶ Safe and efficient braking from large disc brakes cooled by constant pressure lubrication

## **Auxiliary spool valves**

- ► A large choice of spool-valves and control options to help you get the most out of modern implements, while easing operation
- ► Available with three to four spool valves
- ▶ Mechanical lever control on Essential versions with Open Centre and Combined flow systems



Servicing is straightforward and simple, taking the stress out of maintaining your tractor and leaving you with more time in the field.

The cab air filter can be removed easily for servicing. The waisted bonnet and good design provide easy access to the engine oil dipstick and filters.

The well-proportioned cooling package is easy to access, clean and maintain. The engine air filter is also reached easily.

The compact cooling package provides excellent visibility over the slim, narrow bonnet, while still providing plenty of room for cleaning and servicing.









# AGCOMMAND<sup>™</sup> – Telemetry



AGCOMMAND™ is the perfect fleet management and monitoring tool for large businesses, contractors or anybody who needs to keep a close eye on equipment out working – at all times. Operating data is collected automatically, transferred wirelessly

and displayed in near real time on a secure webpage or IOS app. Part of the Fuse™ Technologies, it can be fitted to a wide range of equipment to create a comprehensive, universal system.



#### Vehicle history map

The vehicle history map shows you where the tractor has been during a selected period of time. You can view where the tractor stopped, where it was working and travelling from and to via a Google plan or satellite view. AGCOMMAND™ Advanced can show parameters collected with the CANBUS. For example, you can see engine load, slippage, fuel level and consumption. The machine is traceable at all times.

## **Efficiency report**

It is possible to create two types of report within this function: Time efficiency (percentage of the total engine hours of each status) and Distance efficiency (percentage of working/headland/ transport of the total distance travelled by the machine).

The report will show the time the machine was working and/or in the headland, in transport mode and not moving. The fleet owner can analyse quickly the efficiency and driving ability of the driver. This report gives total time and distance and can be made for up to five machines at one time. This data can be exported into manageable PDF or excel files to be worked on via PC or laptop.





## Dashboard

AGCOMMAND™ Advanced allows you to view machines up to 30 minutes a day in near real time. You can view the main parameters available through the virtual dashboard via a PC or laptop. For example you can alert the driver, without having to call them, if the fuel consumption appears too high or even to adjust settings to achieve maximum output. AGCOMMAND<sup>TM</sup> Advanced is the perfect tool to help contractors and managers ensure that even less experienced drivers get the best out of their machine.



Take all the benefits of AGCOMMAND™ to the field with the new AGCOMMAND™ app (iPads, iPhones). The app offers all the same functions as the desktop version including an overview of machine data position, address and weather.



Scan me to get the app!



# Standard and optional equipment by cab type

Models	Essential
High visibility bonnet	•
Transmission	
Power Control Shuttle	•
T lever on control centre	•
Dyna-4 40 km/h Speedmatching	•
Dyna-4 40 km/h Autodrive	0
Supercreeper	0
Operator environment	
Standard cab	0
Mechanical cab suspension	•
Standard roof	•
Visio roof	0
Standard Air Conditioning with manual adjustment	•
Cool box	•
Air suspended swivel seat	•
Automatic air suspended seat	0
Auxiliairy seat	•
Radio pre-wired	0
Radio – CD – MP3 – Equalizer, Bluetooth®, USB and front aux	•
Telescopic large side mirrors	•
Radar and slip control	O
AGCOMMAND™ ready	0
Chassis and hydraulics	
Mechanical control of spool valves	•
Loader ready with mechanical multifunction joystick	Ο
Electronic linkage control with active transport control	•
Auto PTO function (linkage activation)	Ο
Four wheel drive	•
Diff lock	•
Auto 4-Wheel-Drive and Auto DiffLock functions	•
Telescopic stabilisers	•
Integrated front linkage	O
Integrated front PTO	O
Electrical equipment	
Automatic Isolator switch	•
External lift control on fenders	•
External PTO start/stop control on fender	•
Worklights	•
Additional worklights on handrails and rear fenders	O
Other equipment (Specifications may vary by market)	
Pivoting front fenders	•
Hydraulic trailer brake	O

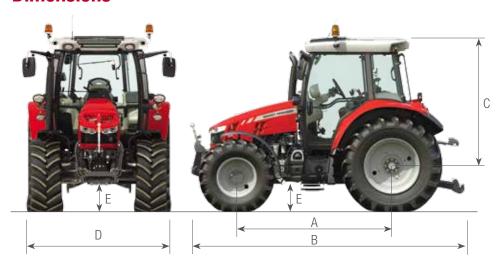
# Specifications as standard

Engine	MF 5608	MF 5609	MF 5610	
Engine Type	AGCO POWER Elec	AGCO POWER Electronic Injection / Common Rail / Turbocharged and Intercooled		
Size (L) / Cylinders (No.)		3.3/3		
Max hp (kW)* @ 2,000 rpm	85 (63)	95 (70)	105 (77)	
Max Nm torque* @ 1,600 rpm	363	405	413	
PTO hp (kW) @ 2,000 rpm	70 (52)	80 (60)	89 (66)	
Transmission – Essential Dyna-4		·		
Туре	Dyna-4 – 16F/16R	Semi-powershift with le Lever	ft-hand Power Control	
Powershift Speeds		4		
Ranges (robotised)		4		
Minimum Speed (km/h) @ 1,400 rpm with supercreep		1.3		
PTO(Rear)				
Operation / Control	In	Independent / Electro hydraulic		
Standard PTO speeds		540 / 540E / 1000		
Engine rpm at standard speed		2,000		
Engine rpm at economy speed		1,560		
Shaft		6 & 21 spline		
PTO (Front)				
Туре	Indepe	Independent / Electro hydraulic / 6 spline		
PTO Speed (rpm)		1,000		
Hydraulics				
Internal services (Stage 1)	32 L/min (Steeri	32 L/min (Steering, Brakes, diff-lock, PTO & other internal services)		
Auxiliary services – Essential Standard	Open Centre	Open Centre – 58 L/min (Spool valves and linkage)		
Auxiliary services – Essential Option		Open Centre – 58 L/min (Linkage) + 42 L/min (Spool valves) OR Combined for 100L/min (Spool valves)		
Valves - Std (Opt)		3 (4)		
Maximum Pressure – bar		200		
Linkage				
Controls		Electronic (Height/Depth, MF Draft Control, Intermix, Maximum Height, Lower Rate and Transport Shock Absorber)		
Rear - Maximum Lift capacity (kg)		4,300		
Front - Maximum Lift capacity (kg)		2,500		
Rear Link type		Cat 2 Hook ends		

Brakes	MF 5608	MF 5609	MF 5610	
Туре	EI	Electro hydraulic / Oil cooled		
Differential Lock				
Туре	Hydr	Hydralock rear axle and front axle		
Weights and Dimensions				
Weight (kg)	4,2	4,200		
Approximate height (mm)		2,755		
Wheelbase (mm)		2,460		
Turning Circle (m)		7.9		
Fuel tank Capacity (L)		160		

	MF 5608 / 09 / 10
A – Wheelbase – mm	2,460
${\sf B-Overall}$ length from front weight frame to rear linkage arms – mm	4,253
B – Overall length from front weights to rear linkage arms – mm	4,659
eq:B-Overall length from front linkage (transport position) to rear linkage arms-mm	4,354
${\sf C}-{\sf Height}$ from rear axle to top of cab with standard roof – mm	2,002
${\sf C-Height\ from\ rear\ axle\ to\ top\ of\ cab\ with\ Visioline\ roof\ Standard,\ flat\ floor\ cab-mm}$	2,054
D – Width, with (min / max) – mm	2,020 / 2,340
E – Ground clearance (with 420/85 R38 tyres) – mm	405

# **Dimensions**









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