



MASSEY FERGUSON

112 - 132 HP  
83 - 98 kW

# MF 6700



**FROM MASSEY FERGUSON**

# MF 6700

Setting New Standards.  
Extending Expectations

**THE NEW WORLD AND BRAND ICON** - As the most prestigious name in the farm machinery industry, Massey Ferguson excites the passions of professional farmers who love skilful engineering and iconic tractors.

Throughout the brand's history, Massey Ferguson tractors have symbolised the spirit of their times. Following its most emblematic predecessors: the black tractor, Ferguson Brown, TE20, world famous MF 35 and MF 65, MF 135, MF 165, MF 200 and MF 300, MF 4700, and MF 5700 Series, the MF 6700 aims to continue the remarkable saga of these MF icons of practical innovation to provide the modern equivalent for efficient operation in contemporary farming applications. These are modern pioneers offered to the world of farming – they are visionaries in their fields. It keeps on going beyond the limits. This new series of straightforward and dependable tractors opens the world of farming to new horizons.

Massey Ferguson has always provided innovative, but practical solutions to the farmer's needs to answer the challenges of the time. These tractors continue this tradition by offering a highly modern, high performance, heavy duty and straightforward range of tractors that provide exceptional efficiency for every type of farmer all over the world.

With its entirely new - yet simple - design, manufactured in state of the art factories across the Globe, with efficient drivelines and high level of comfort, the MF 6700 is definitely designed to be the new workhorse of the world.

**The MF 6700 brings exceptional value for money for any sector!**



## Easy to operate and efficient 12x12 transmission

The MF 6700 Series tractors feature an all-new synchronised mechanical transmission which provides a total of twelve forward and twelve reverse speeds courtesy of two ranges. Six gears are within the 4-12km/hr typical fieldwork range

The right speed for each job is easily selected using gear levers that are within easy reach, yet positioned neatly to the driver's hand, ensuring an unimpeded passage when mounting/dismounting. A single-plate, dry-type clutch is easy to operate and simple to service.

Super Creeper option is also available when the lowest speeds, down to 140m/hr\*, are required for the job in hand (not available on ST models).

\* at 1400 rev/min with 16.9R34 tyres and 12x12

### Why is the transmission so easy to operate?

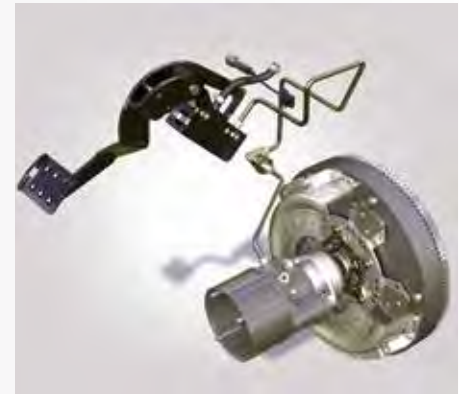


Moving between forward and reverse at field headlands or around the yard, or when hooking up implements, is made easy with a mechanical synchronised shuttle lever.



The optional left hand Power-Control lever provides convenient three-in-one, straightforward operation through the state of the art transmission. The operator can shuttle between forward and reverse and select neutral. For greater accuracy, shuttle responsiveness can be adjusted using the Comfort Control selector, the ultimate combination for working with a front loader.

This option comes with a clutch control button on the speed change lever allowing you to change gear without using the clutch pedal.



As the transmission is a brand new design, Massey Ferguson's engineers have been able to design the clutch pedal lever operation with customer comfort in mind. This new design allows a lower effort so that shifting becomes as smooth as in any modern car.

## Driveline - Inspired engineering

Straight through design minimises power loss to maximise performance and economy

AGCO Power 4 Cylinders, 4.4 Liters generating 112 - 132 hp (83 - 98 kW)

### Transmission

12 x 12 synchronized shuttle as standard or can be specified with the factory fitted option 12 x 12 Power shuttle transmission. Modern and cost effective transmission, low power absorption giving great efficiency and excellent fuel savings.

### Super Creep Gear Configuration

Available as a factory fitted option for use with all transmission configurations is a new Super Creep gear configuration. For use in specialist operations such as fine seed bed preparation, planting and harvesting of specialist crops.

Electro hydraulic diff lock engagement, easy activation in every condition

Hydraulic Modulated PTO clutch ensures simple operation and long life

Full Independent PTO

Heavy duty rear linkage with ELC (Electronic Linkage Control) ensures safe and reliable operation of the heaviest implements.

Exceptionally strong rear axle with heavy duty epicyclics guarantees reliable operation even under the severest loads





## Hydraulics & PTO -

### Power any implement for any application

The key to reliable, heavy-duty machinery is to choose a tractor that meets the requirements of today's modern implements and utilizes them to their full potential within a wide range of agricultural applications. There is no limit to the range of powered equipment that can be put to work behind the MF 6700 Series tractors.

#### Simple and efficient hydraulic system

A simple open-centre hydraulic system, powered by three gear pumps, one pump supplies to the internal services like steering wheel and the PTO. The other pumps supplies the linkage and spool valves with a flow rate of 57 and 41 litres per minute respectively. The third pump is optional and can be combined with the second one to produce a combined flow of 98 l/min.

#### New 98 litre 'Combined' flow option

On the MF 6700, 98 litres/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.

2 spool valves as standard, flow divider and a 3rd spool valve is available as an option to power more demanding implements.

In addition, this oil flow is also available via the two standard auxiliary spool valves to operate implement hydraulic functions while operating the steering. A must have when turning on headlands.



New 98 litres/min 'Combined' flow option at the press of a button



#### Hydraulic systems

	Internal service	Auxiliary Base	Spool valves	Lift capacity
<b>MF 6700</b>	33l/min	57 l/mn supplying rear linkage + 41 l/mn supplying spool valve The two pumps can be combined to supply 98 l/min to spool valves (eg : Loader)	2 standard 1 optional	5,200 kg



### High efficiency direct drive PTO

The MF 6700 Series is provided with 540/1000, with a 540 or 540/1000 option. A 21 spline shaft is an option with the 1000 PTO.

Control is via a modern independent PTO (IPTO) clutch, which is engaged electro-hydraulically and 'eases' the engagement, to protect the driveline by gradually taking up the drive. This well-proven control system combines upmost reliability with ease of use and is controlled simply using a three-position rocker-switch on the operator station. The electronics controls the rate of engagement for more reliability – smoother, regulated, adjusted for the optimum rate of engagement to provide a reliable engagement of the PTO whatever the engine speed and the size of the implement.

As well as activating the PTO, the three-position switch has an off position, in which the shaft can be turned, as well as a 'braked on' that prevents it moving in, for example, transport situations.

### Highly specified three-point linkage with Electronic Linkage Control (ELC)

The rear linkage has been optimised specifically to complement this size of tractor.

It boasts an impressive lift capacity of 5,200 kg.

It comes with the industry leading Electronic Linkage Control (ELC) as standard. The system provides precise and responsive control of linkage functions ensuring accurate management of working depth for soil engaging implements plus working height for other implements. It brings more responsiveness and accuracy because the electrics operate immediately – this means that the draft reacts accurately to ensure maximum traction at all times to minimise wheel slip and fuel consumption.

### Smooth and accurate controls

MF 6700 comes as standard with a standard linkage control including up/down function and draft control. An advanced version is available adding extra functions: rate of drop setting, maximum height setting, linkage suspension and quick soil engagement.



#### ELC (Electronic Linkage Control)

1. Electronic linkage adjustment dial
2. Electronic linkage control
3. Electronic control box
4. Electronic/hydraulic control valve
5. Position Sensor
6. Draft sensor in the lower arms.
7. Three point linkage
8. Optional linkage controls on fenders



PTO engagement remains electro-hydraulic using the same 3-position safety switch (On, Off and Lock/brake).



Advanced ELC controls

# ST Specification



**Pendant Pedals**  
For clutch and brake.  
For optimal comfort  
and low pedal effort.

**Easy shifting**  
The mechanical shuttle lever  
fitted on ST variants is ideal for  
basic loader work

# Essential Specification



**Modern Dashboard**  
A mix of digital and analogue displays  
provide you with all the information you  
need at a glance.

**Effortless Movement**  
The Power Shuttle is unique to  
Massey Ferguson and provides  
state-of-the-art fingertip control  
- ideal for front loader work.

**Range Lever**  
Conveniently positioned  
to the left of the operator





**Easy shuttling**

The optional Power Control lever allows clutching and shuttling at your fingertips with Comfort Control, providing effortless control - ideal for frequent loader work. The mechanical lever fitted on ST variants is ideal for basic loader work.

**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 the work lights, the rear windscreen wiper, the ELC panel and the starter key.

**Large window for 360° visibility**

For optimum efficiency and safety

**Spool valves**

Two valves to cover most of the applications

**Hand throttle**

**Gear and range levers**

Ease of shifting gears thanks to latest technology from the automotive industry. Shifting gear is now as smooth as in your car.

# Specifications

## Engine Performance

	MF 6711	MF 6712	MF 6713	
Engine Power	ISO hp (kW)	112 (83)	122 (91)	132 (98)
Max Torque	Nm @1500 rpm	467	500	540
Rated engine speed		2200	2200	2200

## Engine

Engine type / no. of Cylinders / Capacity / Aspiration	AGCO POWER AP44 / 4 / 4400cc / Turbocharged		
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## Transmission type

12 x 12 Side shift	●	●	●
Power Shuttle	○	○	○

## Power take-off

IPTO single speed - 540 rpm	●	●	●
IPTO two speed - 540 rpm/1000 rpm	○	○	○

## Steering

Hydrostatic	●	●	●
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## Hydraulics

3-point linkage control	ELC	ELC	ELC	
Lift capacity	Max Kg	5200	5200	5200
Standard hydraulic pump capacity	Litre/min	57	57	57
Optional hydraulic pump capacity	Litre/min	98	98	98
System Pressure	bar	200	200	200

## Spool valves

2 x DA / KO / FL	●	●	●
2x DA / KO / FL w/FD	○	○	○
3x DA / KO / FL w/ FD	○	○	○

## Brakes

Type	Oil immersed	Oil immersed	Oil immersed
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## Standard wheels and tyres

Front	380/85 R28	380/85 R28	380/85 R28
Rear	460/85 R38	460/85 R38	460/85 R38

## Weights and Dimensions

Weight without ballast - Cab	Kg	4230	4230	4230
Length	mm	4925	4925	4925
Height with Cab	mm	2725	2725	2725
Wheelbase	mm	2500	2500	2500

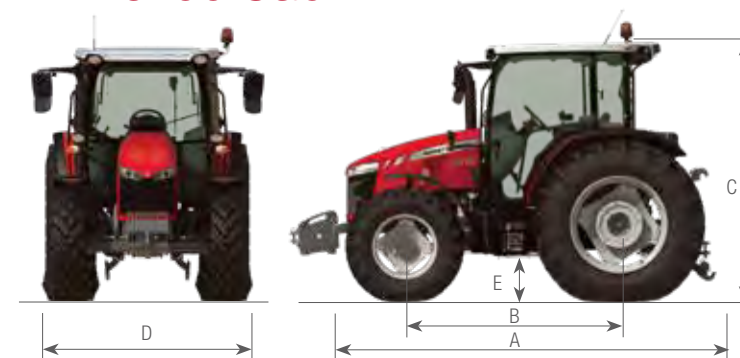
## Capacities

Fuel tank	Litres	190	190	190
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● Standard ○ Optional

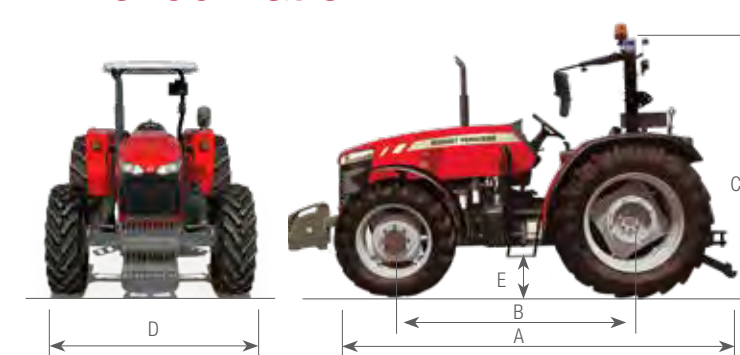
# Dimensions

## MF 6700 Cab



A – Overall length from front weight frame to rear linkage arms - mm	4305
B – Wheelbase - mm	2500
Turning circle* - mm	4500
C – Height to top of Standard roof	2780
D – Width min - mm	1821
E – Maximum ground clearance - mm	520

## MF 6700 Platform



A – Overall length from front weight frame to rear linkage arms - mm	4305
B – Wheelbase - mm	2500
Turning circle* - mm	4500
C – Height to top of Standard	2820
D – Width min - mm	1795
E – Maximum ground clearance - mm	520





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