



112 - 132 HP
83 - 98 kW

MF 6700R



FROM MASSEY FERGUSON

A new dimension of Comfort and Versatility

The MF 6700R brings more features and technology for better performance, efficiency and comfort.

The MF 6700R series is perfect for operations that need a highly productive and economical machine. With power ranging from 112hp (82kW) to 132hp (98kW), its high operating efficiency is due to its autonomy, AGCO Power Engine, the Dyna-4 transmission, and advanced hydraulic system.

This new series of tractors offers a unique and straightforward concept aimed at increasing your productivity and performance in your daily operations. In addition to its spacious and ergonomically designed cabin, the MF 6700R series has the optional AutoGuide ready system, which is a fully integrated satellite assisted-steering ready solution.

The MF 6700R provides you with an ideal solution in reliability, technology, and productivity without compromise.



Built for hard work and long days

The heavy duty front and rear axles of the MF 6700R series tractors have been developed to ensure reliability and longevity in arduous field conditions and haulage applications.

To maximise traction in field applications an electro-hydraulic differential lock is specified for the front and rear axle. This is activated on the move or stationary via a soft touch button giving you true 4WD.

Hydrostatic power steering with a maximum 55° steering angle provides excellent maneuverability amongst buildings and on field headlands. The axle oscillates 11° maintaining traction, stability and steering control in difficult ground conditions. Minimum caster angles enhance traction, reduce tyre wear and minimise ground surface disturbance when turning.

The fuel tank has a 210 L capacity enables you to work for longer hours without refueling, hence increasing your operational efficiency and productivity in the field.



Power and performance working for you

AGCO Power Engine

The MF 6700R series is designed to provide unmatched power and performance and is configured to meet Tier 2 emissions standards and are specifically designed to suit the requirements of agricultural applications where high levels of power and torque are essential and their rugged construction provides enhanced reliability.

At a low rated engine speed of only 2200 revs/min, you are assured of enhanced fuel efficiency whilst also minimizing noise and wear. The long piston stroke design provides high levels of torque across a broad speed range with maximum torque being achieved at only 1200 revs/min.

When time matters, the MF 6700R ensures that you get the job done, with longer service intervals of 500 hours, giving more productivity at a lower running cost.

	MF 6711R	MF 6712R	MF 6713R
Maximum power @2200 rpm (hp/kW)	112 (83)	122 (91)	132 (98)
Maximum torque @ 1200 rpm (N.m)	460	510	540
Max Torque (Nm)	320	365	395
Engine Type	AGCO Power 4.4 Litre 4 Cylinder		
Emission Compliance	Tier 2		
Air Filter	Dry – Dual Element with Self Cleaning Aspiration		
Engine Aspiration	Turbocharged & Intercooled		
Injection System	Mechanical – Bosch Rotary Pum		
Cooling	Liquid		



Efficiency, Productivity and Comfort

Dyna-4 Transmission

Simple to understand and easy to operate the MF 6700R comes standard with the Dyna-4 transmission.

With a maximum speed of 40 km/h, the Dyna-4 transmission is equipped with four powershift ratios in each of four mechanical ranges providing 16 Forward and 16 Reverse speeds, all operated without the need to use the clutch pedal. Speedmatching selects the most appropriate powershift ratio automatically during range changes ensuring smooth and progressive speed changes.

The brake to neutral feature of the Dyna-4 transmission specified for MF 6700R Series tractors allows the transmission to be temporarily placed in neutral when the brake pedal is pressed and re-engaged when the brake pedal is released. This is particularly useful for applications where frequent stops are required, such as when using a round baler or feeder mixer.



MF Control Lever

The PowerShuttle is operated by the unique MF Power Control lever which also provides an additional control for travel direction changes, powershift changes and a de-clutch function for inching.



T Lever

At the center of the "T lever", there is a button for direct grouped shifting where the operator can select the change of up to 4 speeds in a single motion, in both forward and reverse applications.



Additional supercreep gears

For activities that require very low speed but high torque, the supercreep option for use in specialist operations such as fine seed bed preparation, planting and harvesting, reaching speeds from as low as 0.13 km/h at rated engine speed. Supercreep is engaged electro-hydraulically by a rocker switch located on the right hand console.

* The supercreep is available as a factory fitted option.



The right speed for any operation

The sequential configuration, simple control layout and easy operation allow you to make ratio changes as and when appropriate allowing optimum use of the engine power and torque characteristics whilst minimizing fuel consumption and optimizing productivity. 8 of the 16 speeds are available in the typical field working range providing the most appropriate speed for a full range of applications.

Ready for any implement

CCLS Hydraulic System

The Closed Center Load Sensing (CCLS) Hydraulic System gives you more performance with up to 200 Bar pressure or 110 liters/min oil flow.

The MF 6700R Series comes equipped with 2 auxiliary hydraulic valves as standard, with a third valve available as a factory option. All valves are double acting with Float, Kick out, Zero Leak and load sensing allowing you both single and double acting functions. Each auxiliary valve is equipped with a flow divider that controls the oil flow to the implement.

Accurate draft control

Massey Ferguson's digital ELC system gives you the highest standards of draft control with more accurate depth settings and better ground contour following. The result is more weight transfer, better traction, less wheel slip, reduced tyre wear and reduced fuel consumption whilst still maintaining great output.

Active Transport Control (ATC)

ATC dampens the forces acting on the tractor when transporting or operating linkage mounted equipment at speed, achieving greater productivity, safety and comfort.

Power beyond

Provides oil flow directly from the pump through a load sensing spool valve block, which allows you to use remotely operated spool valves, that are found on modern loaders, potato harvesters and planters.

Automatic PTO:

To further increase your productivity, MF 6700R series is equipped with an automatic start & stop PTO that is controlled by simply operating your linkage controls.



Class leading Comfort and Productivity

Ergonomics in the power of your hands

The MF 6700R Series offers the most productive cabin to date. Everything is easily accessible. The controls are more integrated thanks to the innovative console, with the transmission instruments, hydraulic and PTO controls perfectly located for for you.

The new, slim panel contains a digital display that offers clear, operational and functional information, and more space to move in addition to an ergonomic seat for extra comfort. The cabin of the MF 6700R Series will give you a smooth ride and stability without compromise, even in rough terrains.

Vents for the air conditioning are distributed across the front of the headlining. Speakers for audio equipment are mounted at the rear. There is a cool box located on the top right hand side of the cab. It is temperature controlled by its own duct directly from the air conditioning system.



Ease of cabin access

Access to the cab is very practical, and can be performed from both sides of the machine. Rugged handrails and wide steps with adjustable depth, and non-slip texture ensures that you will safely climb on and off the MF 6700R cabin with ease.



Information where you need it

Information on tractor performance, status and diagnostics is provided through a analogue / digital instrument panel. The instrument panel has a range of warning lights advising the operator on the operating status and items requiring attention. In conjunction with the with soft touch keypad located to the right hand side of the steering column.



Incomparable comfort and productivity

The front windscreen is curved both vertically and horizontally to provide better visibility and interior space. The cab features a flat floor with pendant mounted clutch, brake pedals and foot throttle giving unobstructed access. The interior trim provides a light and welcoming environment and the floor is covered with an easy cleaning rubber mat helping to reduce noise and enhance comfort. The armrests are both height adjustable and the seat can swivel 20° left and right of the normal driving position. As an option, an auxiliary seat with seat belt can be requested.



Controls positioned in the right places

All the major controls are mounted in the most ergonomic position. The auxiliary hydraulic valve control levers are within easy reach located on the right hand console to the right of the Electronic Linkage Control (ELC) lift lower buttons and adjacent to the hand throttle control. Control switches for the 4WD and differential lock are located on the right hand cab B-pillar with the PTO controls located just below. Large fully adjustable external mirrors are part of the standard configuration.



Auto Guide Ready

Total Accuracy and Control

To meet the increasing demand for precision farming technology the Massey Ferguson 6700R Series can be specified with AutoGuide ready as a factory option.

The AutoGuide configuration is an ideal starting point for those looking for results, simplicity and safety. Suited for operations which are investing in technology that require a high level of precision.

This configuration equips the tractor with the various components, including the electro-hydraulic steering valve, wheel angle sensors, harnesses, etc. to allow the installation of an aftermarket guidance system.

This AutoGuide ready configuration allows you to install the most appropriate guidance system to achieve the level of accuracy and technology required whilst ensuring good correction signal reliability and aftermarket support that is available in the market where the tractor will operate.

AGCO AutoGuide 3000 uses modern technology that works with the concept of GNSS positioning (Global Navigation Satellite System), which combines GPS with other positioning satellite systems. The result is guaranteed signal availability and superior accuracy in any ground condition or time of day. The system offers two levels of accuracy to meet all needs, decimeter ($+ / - 10 \text{ cm}$), and centimeter ($+ / - 2.5 \text{ cm}$). Auto Guide 3000 can be converted in minutes to your highest level of accuracy simply by adding the radio module and the reference station.

**Order an AGCO AutoGuide 3000 from your MF dealer*

Specifications

Engine Performance

Engine Power	
Max Torque	
Rated engine speed	

	MF 6711R	MF 6712R	MF 6713R
ISO hp (kW)	112 (83)	122 (91)	132 (98)
Nm @1500 rpm	460	510	540
Rated engine speed	2200	2200	2200

AGCO Power AP44 / 4 / 4400cc / Turbocharged

Transmission

Dyna-4 16 x 16 Semi-powershift with power shuttle	
Maximum Speed	
Supercreep	

	●
km/h	40
	○

Front and Rear Axle

Maximum Steering angle	
Differential Lock	
4WD	

Degrees	55
	Hydralock with Electro-hydraulic Actuation in combination with Front and Rear Axle
	Automatic 4WD Engagement, with Spring On / Pressure Off with Electro-Hydraulic Actuation

Power take-off

IPTO 540 / 540e / 1000 rpm	
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Hydraulics

Type	
Oil Flow	
Pressure	
Linkage Control	
Lift Capacity	

	Closed Centre Load Sensing (CCLS)
Litre/min	110
bar	200
	Electric Linkage Control (ELC)
Max kgs	5200

Spool valves

2 x DA KO FL ZL FD	
3 x DA KO FL ZL FD	

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	○

Brakes

Type	
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	Oil Immersed multiple plate with Electro-hydraulic Actuation & 4WD Engagement
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Standard wheels and tyres

Front	
Rear	

	380/85R28
	460/85R38

Capacities

Fuel tank	
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Litres	210
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Operator Environment

Mechanical Suspension Swivel Seat with Armrests	
Air Suspension Swivel Seat with Armrests	
Auxiliary seat with seat belt	

	●
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	○

Guidance

AutoGuide ready	
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● Standard ○ Optional

Weights & Dimensions

Unladen Weight	Kg	5000
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A	Wheelbase	mm	2622	
	Length without front weight up to the rear linkage	mm	4436	
B	Length with front weight up to the rear linkage	mm	4886	
	Length without front weight + pin up to the rear linkage	mm	4956	
C	Maximum Height	mm	2885	
D	Front axle to the front	Without Weight	mm	610
		With Weight	mm	1060
		With Weight + pin	mm	1130



E	Flange to Flange - Front axle	mm	1680
	Flange to Flange - Rear axle	mm	1640
F	Outer Fender Width	mm	2305
G	Ground Clearance	mm	509



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