



**MASSEY FERGUSON**

270-370 HP

# MF 8700

Exceptional power, unrivalled efficiency





# MASSEY FERGUSON

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**MASSEY FERGUSON** is a worldwide brand of AGCO.

# Shrink your workload

The most powerful Massey Ferguson tractors ever built are now yours

The MF 8700 Series represents the pinnacle of Massey Ferguson's engineering achievements. It's the most powerful tractor we've ever made; a flagship model that surpasses 370 hp in a conventional design. But we haven't done that simply to make a statement. The groundbreaking MF 8700 Series offers some of the most efficient, effective and useable power in this category. If you're a current Massey Ferguson customer, take a closer look and you'll see what makes the MF 8700 even more productive than the machines you've come to know and trust. And if you're new to Massey Ferguson, we'd like to invite you to read on so that we can show you why the MF 8700 Series is different to any other tractor range in this power bracket.

These are tractors with an enormous appetite for work, built to effortlessly cover hectare after hectare, all the while keeping the operator refreshed and the fuel bill to a minimum. While these are the largest tractors made by Massey Ferguson, the DNA that runs through all MF tractors

is clearly evident, with design cues from the same solid, stylish mould. The same commitment to product quality that marks all MF products is also immediately apparent, with the MF 8700 sharing the same skilled engineering and manufacturing team and award-winning Beauvais, France factory. But our engineers recognise that, while characteristics such as quality, reliability and fuel efficiency are important to all tractor users, in this power category there are some very specific requirements – the ability to handle wide kit, long hours and difficult field conditions. MF 8700 tractors are designed to take this and more in their stride.

With five models in the range, spanning max powers of 270 – 370 hp, MF 8700 tractors can operate with ease the largest drills, tillage implements, tankers and trailers. All are equipped with the industry's leading CVT transmission, Massey Ferguson's Dyna-VT, for the ultimate in efficiency, to make this dimension of power work for you.





# The ultimate dimension in farming power

Farming practices in today’s climate have many obstacles which farmers and contractors have to face. With the world’s population rising, a greater demand for food and land with changeable and volatile weather conditions, you need machinery you can rely on.

We understand these new challenges and our engineers are at the forefront of tractor design so you can be sure our range of flagship tractors have been designed and built by the people who truly understand the nature of your business.

Already setting the benchmarks for the high-horsepower tractor sector, the MF 8700 models feature key components that have been optimised and enhanced over those of their predecessors to bring a high level of performance to the industry. Through insight and innovation we built the MF 8700 to meet the needs of modern farming so you can look to the future with confidence.

- **AGCO Power engines** provide levels of torque and horse-power unsurpassed in conventional tractor designs, from a minimum amount of fuel. Coupled with the ultimate in transmission technology – the blend of efficiency, economy and ease of use that marks our Dyna-VT as the finest CVT in the business – these are tractors built to handle the heaviest loads and the hardest tasks.

- **A Best-in-Class operator environment** is nothing more than you would expect for a tractor of this type – and from Massey Ferguson in particular. Putting you in control of this power is a first class cabin offering state-of-the-art comfort and controls for full operating precision hour after hour.
- Massey Ferguson has long been a **leader in providing solutions to help farmers keep operating costs to a minimum**, and the MF 8700 tractors continue that legacy, incorporating the latest in AGCO FUSE™ Technologies™ to ensure operators and owners are kept informed and their machines are working at their optimum.
- All this is backed up by the **best customer service in the business**, designed to ensure that your machines are always operating at their optimum. Massey Ferguson dealers provide out-of-season servicing that fully prepares you for the year ahead.

	MF 8727	MF 8730	MF 8732	MF 8735	MF 8737
<b>Max power @ 1,900 rpm (hp)</b>	270	295	320	350	370
<b>Max torque @ 1,500 rpm with EPM (Nm)</b>	1,185	1,295	1,400	1,500	1,540



# Centre of Engineering and Manufacturing Excellence

Beauvais, France



The \$366m investment made over the last five years in the Beauvais tractor plant, home of Massey Ferguson's high horsepower range of tractors, has been carried out with a singular aim: to ensure Massey Ferguson tractors are built to standards of quality, reliability and productivity that guarantee peace of mind for the owners and operators who depend on them. More than 870,000 tractors have been built in Beauvais since the plant was opened in 1960, and farmers in over 140 countries rely on its products.

The 2,500 staff employed at the Beauvais site take particular pride in the products they design and manufacture, and while as many as 90 tractors a day leave the line, each one is crafted with the utmost care and attention. That focus on quality is coupled with Massey Ferguson's reputation as a leader in developing and offering innovative and pioneering solutions. The result is tractors which help you farm more productively and more efficiently.

Continuous research and development into making machines that do more for those that own and operate them has been part of the reason Massey Ferguson has won more independent innovation awards than any other manufacturer. As farmers' needs continue to evolve, that R&D commitment remains as strong as ever.

# BodyScan your MF 8700

Live the MF 8700 experience to the fullest

Across the board, we have injected innovative thinking into the design and features of the MF 8700, to improve power, comfort, useability, efficiency and reliability.

**01 Engine power outputs up to 370 hp**

The most powerful tractors ever made by Massey Ferguson, designed for the ultimate in output, with low running costs.

**02 Tier 2**

The latest common rail technology with Tier 2 Emissions for excellent fuel economy with no compromise.

**03 Improved cooling package**

CYCLAIR system designed to match the prodigious power output produced by industry-leading 8.4 litre AGCO POWER engines.

**04 Front-end redesign for improved airflow**

Carefully crafted to match the cooling package.

**05 Panorama Cab**

With plenty of room available, quietness and 360° visibility, the panorama cab comes with a dashboard design and the armrest including the Multipad lever on selected models.

**06 Redesigned rear hitch**

Stronger, more robust, easier to use, with higher capacity than ever before.

**07 Wheel diameter**

2.15 metre rear wheel diameter for better traction, reduced soil compaction, giving maximized performance to the ground.

**08 Front monobloc weight installation**

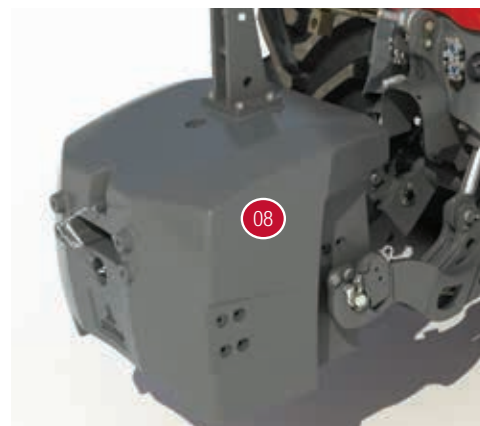
Made for quick and easy installation and removal as required.

**09 Ultimate Dyna-VT Transmission**

Dyna-VT transmission now comes with Engine Power Management to bring you extra power when you need more.

**10 OptiRide Plus Cab Suspension**

**11 Superb rear linkage with extreme 12,000 kg lift capacity**



**12 Packed with straightforward onboard technologies**  
Auto-Guide™ 3000 auto-steering and AGCOMMAND™ telemetry options. Auto-Guide™ 3000 with Go Mode now fully available through the optional CCD Console.

**13 Front linkage for maximum productivity in the field**  
A front linkage and PTO which are seamlessly integrated into the front end of the tractor, for full strength yet complete convenience, alongside the 4WD axle with front suspension – 5,000 kg massive lift capacity.





370 horsepower of pure torque and rugged capability. Built to last, it can tackle the toughest terrain and farm the largest areas of land for longer with low running costs and superb reliability. The MF 8700 Series is an accumulation of power, strength, superior engineering, cleaner, more fuel efficient engines.



# Smart design

## Built to put power to the ground

Fuel consumption accounts for an important part of the running costs of a tractor, and minimising its use can have a significant effect on a business' bottom line, as well as helping to meet the industry's environmental commitments. How the driver operates a machine can have a significant bearing on its fuel use, and our engineers have done their utmost to help here. With 8.4 litres displacement from its six cylinders, the engine used in the MF 8700 Series is not only one of the most productive powerplants available, but is also among the most fuel efficient on the market.

MF 8700 tractors also feature a higher capacity cooling package to further improve performance, although they retain the same slim bonnet and industry-leading forward visibility of their predecessors. With CYCLAIR, air is directed through a fuel cooler and then a Charge Air Cooler (CAC) where it increases speed through the intercooler. The pack also contains the water radiator, oil cooler and condenser.

The bonnet vent arrangement splits the air flow to expel hot air, while directing cool, fresh air towards the main radiator. Filter and radiator access has been designed to make daily maintenance as simple as possible.

The 4 valve, common rail AGCO POWER engine provides the ultimate in optimum power delivery, with the benefit of a turbocharged intercooler.

With exceptional 'constant power' and torque backup, the engine keeps all of its productivity and strength, but with the added advantages of lower emissions and improved fuel economy.

### Intelligent engine management

The Electronic Engine Management (EEM) enables continuous adjustment of the amount and timing of fuel injected, in relation to engine speed and load, the results are lower emissions, more power and superb fuel economy.

EEM also enables a range of advanced engine control functions, including Engine Speed Control, which is standard on all MF tractors.

### Engine speed control

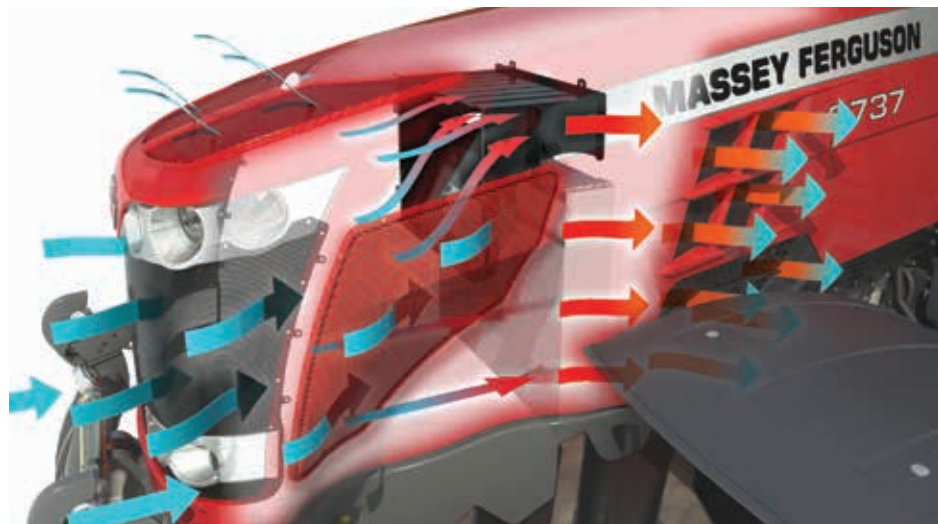
Switches mounted conveniently in the armrest enable engine speed to be pre-set and memorised.

The ability to return quickly and easily to precise engine speeds will boost productivity, improve work quality and simplify operation in almost all of your daily tasks.

### Improved fuel economy

The Electronic Engine Management system constantly monitors a wide range of parameters and makes continual and incredibly fine adjustments to fuel injection.

Combined with high pressure 'common rail' fuel injection and the 4-valve cylinder head design, this has given further significant improvements, not only in emissions but also in fuel economy.





## *Dyna-VT*

# The smoothest power delivery, the ultimate in productivity

Dynamic performance whatever the application. Massey Ferguson's Dyna-VT transmission provides enhanced productivity in stepless precision.

Once you have selected the mode in which you wish to drive the tractor – via the foot pedal, with the armrest lever or even with the Power Control lever – you can then focus on the work. Forward and reverse speeds and rate of acceleration can be pre-set and are maintained automatically, and stored in the tractor memory after shutdown for later use, making any operation requiring regular shuttling far less tiring.

**Stepless precision** Dyna-VT offers stepless travel from 0.03 to 50 km/h at any engine speed, operated via two speed ranges. This means it is always possible to achieve the correct operating

speed for the conditions and for the implement being used, and it is always possible to achieve the optimum engine speed to maximise work rate and minimise fuel consumption. Engine speed and forward speed are independent of each other, and forward speed can be instantaneously increased or decreased under full load to maximise output and maximise work quality.

Depending on the tractor specification, Dyna-VT can be operated via either a T-bar controller or the Multipad joystick on the right-hand armrest. Speed variation is also possible through the steering column-mounted PowerShuttle lever.



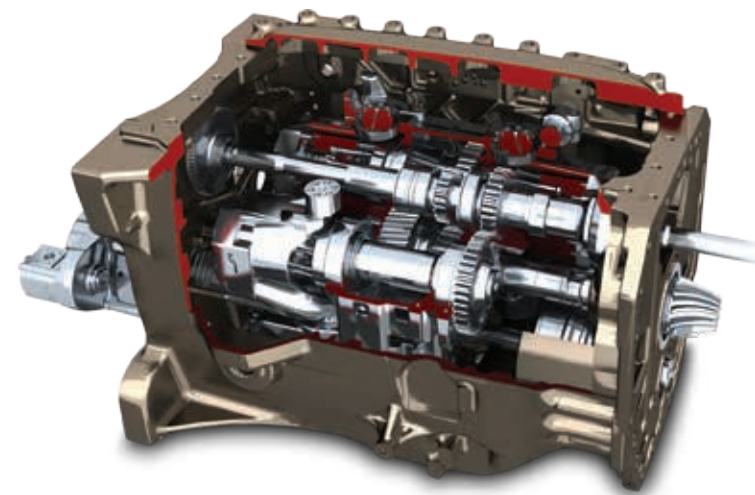
#### Multipad Joystick

The Command Control armrest, and the Multipad joystick – where fitted – are part of the package that makes these tractors, despite their power, so easy to control with precision. A multitude of functions can be controlled in the palm of your hand.



#### Cruise Control and Supervisor

MF 8700 tractors are fitted with an engine speed 'Supervisor' which automatically reduces forward speed to maintain full engine power by maintaining engine speed, whatever the job in hand. In conjunction with the ability to store two speed settings, this means the tractor is always working at its optimum.



With the continuously-variable Dyna-VT transmission, we have developed a system of power transfer that surpasses all others for ease of use and efficiency. We have taken a proven, refined transmission and made it even better, ensuring it delivers seamless strength hour after hour. It's intuitive to the operator, the easiest of transmissions to understand and get the most from, and new operators will quickly settle into feeling at one with the tractor.



#### Simple, multi-function Power Control

The Power Control lever provides convenient three-in-one, straightforward operation. Operators can shuttle between forward/reverse, select neutral, leaving the right hand free to operate the rear linkage or implement hydraulics.

# *Dyna-VT*

## The tractor transmission without limits

The original Dyna-VT transmission is a true testament to precision engineering; guaranteed productivity, complete operator comfort and optimum fuel efficiency at all times. Further, consistent enhancements such as Dynamic Tractor Management (DTM) make it the most intuitive transmission on the market.

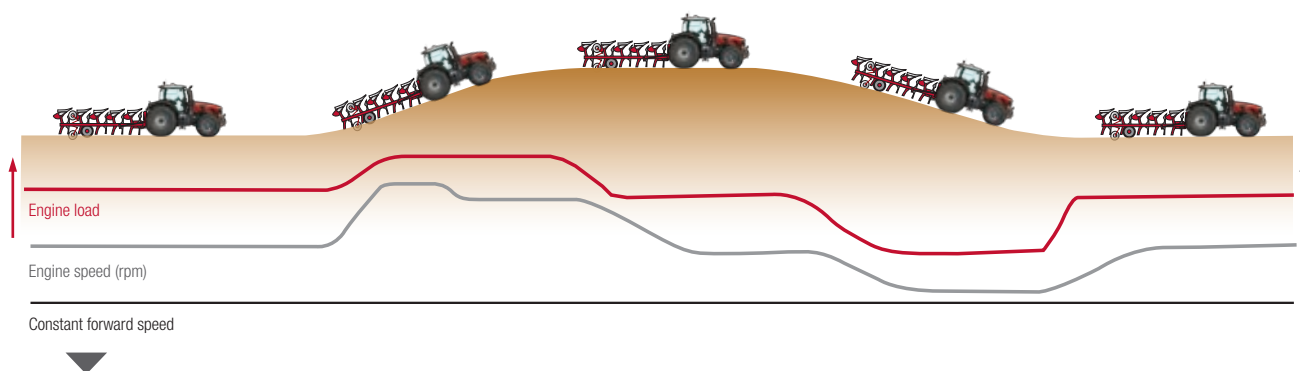
### Stepless precision

Dyna-VT is amazingly simple to operate and works extremely well in differing conditions. There's no shifting of gears, no jolts and no breaks in traction or power. The unique Power Control lever makes forward/reverse shuttling and speed change convenient and hassle-free.

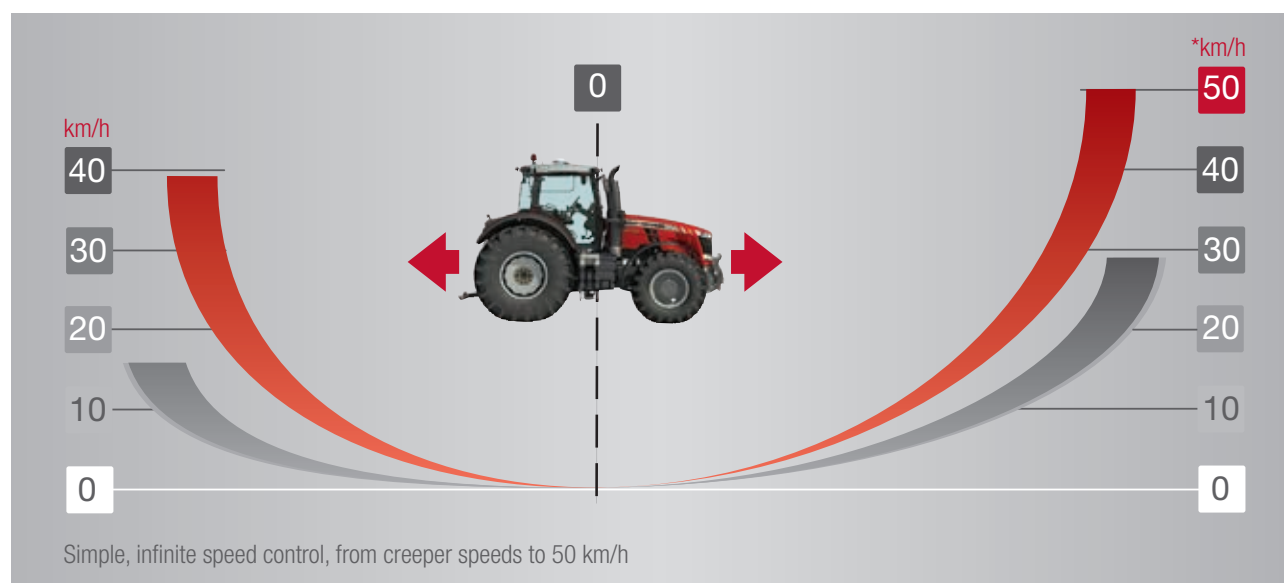
### Dynamic Tractor Management

When activated, Dynamic Tractor Management (DTM) works in conjunction with the Dyna-VT transmission, maintaining the required forward speed whilst keeping rpm to the minimum necessary. It works from 1000-2100 rpm, with the operator able to set both a lower and an upper limit within the range. DTM can be activated with a trigger such as PTO, Linkage or hydraulic activation. The result is smoother driving and excellent fuel efficiency.





Dynamic Tractor Management (DTM): As the load (red line) varies according to the conditions, the Dyna-VT will automatically adjust the engine speed (grey line) to maintain the forward speed whilst minimising fuel consumption and noise levels.



### Dyna-VT Highlights:

- 0.03 to 50 km/h
- 50 km/h Eco
- The choice of two speed ranges optimises torque for different applications
- Lever, pedal or automatic control
- C1/C2 cruise speeds
- 'Supervisor' maximises the output under varying loads
- Dynamic Tractor Management (DTM) maintains the set travel speed by automatically adjusting the power (engine speed) according to load
- Active Stop
- Turbo clutch on/off
- Shuttle aggressiveness adjustment
- Pedal aggressiveness adjustment
- Switch between cruise speeds (C1 and C2)
- Brake pedal to neutral feature

# Experience a dimension in comfort and control

Beneath their dramatic exterior, and despite their enormous power, the cab of each MF 8700 Series tractor provides a working environment that blends comfort, quietness and high quality from which to control the machine. This impeccably crafted cabin incorporates smart design and best-in-class ergonomics for hours of fatigue-free operation as you should expect from Massey Ferguson.

## Dashboard with SIS – Setup and Information Screen

A slim dashboard design provides for quick, clear and easy analysis of operating data, presented on 70 mm x 52 mm colour screen for the SIS. Not only is the screen 50% larger than before, but it has a resolution ten times better and large graphics that make information easy to read in all light levels.



## Intuitive controls

On the right hand side pillar, a control layout follows the familiar Massey Ferguson style, incorporating modules to operate the lights, PTO speed selection and rear linkage settings.



## Little extras make a big difference

Sometimes it's the small details that can make a huge change to your workload. The MF 8700 cab is available with numerous comfort and convenience features: Automatic beacon activation on road, Comfort light delay at end of the day with automatic work lights extinction, extra plug sockets for mobile phones or laptop, radio and CD player (including MP3), air suspended swivel seat, telescopic side mirrors and electric de-icing, plus automatic air conditioning.



### **Efficient – the freedom to choose your own working environment**

The MF 8700 range is available in Efficient specification, with premium operator environment features. Designed around a spacious frame and logical, carefully thought-out controls, everything is to hand, with key controls all on the operator's right, and those used most often grouped on the armrest.

### **Best-in-class design**

The four-pillar cab frame design makes for superb 360° all-round vision to the sides and out to the extremities of wide implements, while the award-winning OptiRide Plus cab suspension uses cutting edge sensors, hydraulics and accumulators to ensure the operator is always on the level. To meet drivers' individual desires, the level of damping can be adjusted simply from the cab. Paired with a premium-class air-suspended operator's seat, the result is one of the most comfortable rides around.

### **Intuitive ergonomics**

Accessed via broad steps and a single, wide, full-glass door, there's plenty of space in the cab for the driver, a passenger and anything required for a long day's work. Once the door is closed and the engine started, you'll notice just how quiet this cab is. Almost everything you need to control the tractor's key functions is grouped on the right-hand armrest, arranged so that operation is almost immediately intuitive.





# MF 8700 Dashboard

Puts you in total control

The slim dashboard provides a quick, clear and easy analysis of operating data, presented on the 70 x 52 mm Setup and Information Screen (SIS). The large screen has a resolution that make information and graphics easy to read in all light conditions.



The dashboard also provides outstanding front visibility thanks to its slim design.



Intuitive navigation and control with easy access of the SIS through the steering column mounted pad.



For optimum levels of control, the Datatronic 4 CCD console is STD on all models – find more details on p.31.



### The Setup and Information Screen includes –

#### Setup:

- Transmission operation
- Slip control
- Engine speed control
- Hydraulic valve flow and timing
- Easy-to-use headland management
- Front loader control
- PTO activation via rear fender switch
- Comfort light delay
- Trigger for counting mode
- Display setting

#### Information:

- Tractor performance
- Working area
- Working/travelling distance
- Fuel consumption
- Engine and transmission temperature
- Slippage measurement

# Efficient Package

Advanced equipment for outstanding accuracy



The MF 8700 features the Efficient specification package to incorporate all the features today's operator needs. Dedicated to delivering increased productivity thanks to key features, the Efficient specification will enable the operator to work faster, to a higher standard, with more accuracy, together with high

levels of comfort, ergonomics and reliability. It provides all the key elements with a blend of simplicity and technology, with all key functions ergonomically grouped in the Control Command Centre armrest.

## Standard Efficient features includes:

- Command Control Armrest with « T » lever
- Power Control Shuttle lever
- OptiRide Plus semi-active cab suspension
- Super Deluxe Air Suspended Seat
- Datatronic 4 CCD
- Radar & slip control
- SpeedSteer
- AGCOMMAND™ Telemetry system
- "QuadLink" suspended front axle 50 k
- Automatic air conditioning
- 4 electronic spool valve with joystick and fingertip control

## Efficient specification option:

- Integrated front linkage and front PTO
- Auto-Guide™ 3000 with Go mode
- Maximo Evolution Air Suspended Seat
- Mirrors with electric de-icing and adjustment
- 1000 Eco PTO
- Multipad

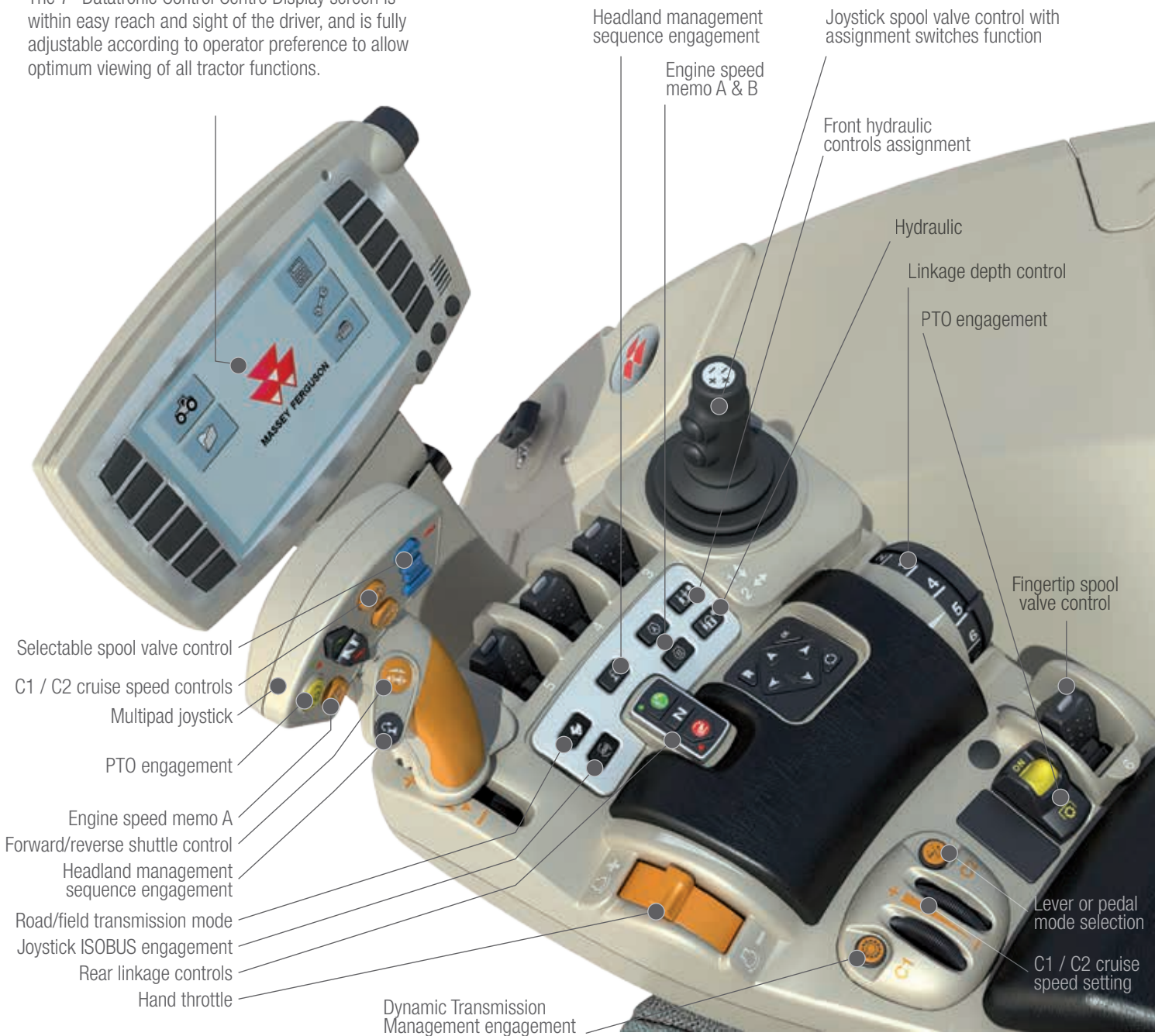
Work lights and beacon control panel

Electronic rear linkage adjustment



### Datatronic Control Centre Display

The 7" Datatronic Control Centre Display screen is within easy reach and sight of the driver, and is fully adjustable according to operator preference to allow optimum viewing of all tractor functions.



Headland management sequence engagement

Joystick spool valve control with assignment switches function

Engine speed memo A & B

Front hydraulic controls assignment

Hydraulic

Linkage depth control

PTO engagement

Fingertip spool valve control

Selectable spool valve control

C1 / C2 cruise speed controls

Multipad joystick

PTO engagement

Engine speed memo A

Forward/reverse shuttle control

Headland management sequence engagement

Road/field transmission mode

Joystick ISOBUS engagement

Rear linkage controls

Hand throttle

Dynamic Transmission Management engagement

Lever or pedal mode selection

C1 / C2 cruise speed setting

# OptiRide Plus

## The ultimate cab suspension system

A comfortable operator is a productive operator. Massey Ferguson designers and engineers know that this holds true whatever the operation in hand. This is the reason why the sheer brute force of the MF 8700 deserves an award winning cab suspension system.

OptiRide Plus standard on the superb MF 8700, provides unprecedented levels of operator comfort and acknowledges Massey Ferguson's long-held position at the forefront of agricultural innovation.

OptiRide Plus is a dynamic cab suspension system that continually adjusts to a wide variety of driving conditions, using multiple on-board sensors.

### Intelligent comfort

The cab sits on four hydraulic dampers that provide the suspension. Sensors automatically register the degree of cab tilt and raise the hydraulics to restore equilibrium. Included in the design is a torsion bar linking the left and right sides of the rear of the cab. This performs an anti-roll function to reduce lateral movement.

The OptiRide Plus cab suspension system processes information, via a series of sensors, from a variety of tractor functions – acceleration, braking, forward/reverse shuttling, etc. – and the control box adjusts the damper units to counter their effects for the smoothest possible ride.

As the 'nerve centre' of the entire system, the electronic control box calculates the optimum damper settings using information from the on-board sensors and the tractor's CAN-bus system.

For the ultimate in cab comfort, the OptiRide Plus system offers the ability to further refine ride firmness/softness during operation. This innovative technology could not be simpler to adjust, using the straightforward switch on pillar pad. This, in turn, minimises the often wearing effects of working on uneven terrain, sudden braking and surges in acceleration so the operator suffers less fatigue, fewer aches and lower stress levels, allowing fresher, more alert work performance.





**A Operator Input:**  
In-cab controls

**B Tractor Input:**

- Position sensors (S)
- Accelerating/Braking
- Forward/Reverse shuttling
- Speed

- 01 In-cab controls
- 02 Transmission lever
- 03 Speedometer
- 04 Brakes
- 05 Accelerator
- 06 Front axle position sensor
- 07 Suspension damper units
- 08 Anti-roll bar
- 09 Control box

# The ultimate dimension in traction

## Performance in all conditions

Tractor power means nothing if it cannot be transferred to where it matters: the ground. While we have developed one of the highest powered conventional tractors on the market, we've also put a great deal of research into ensuring that power is useable.

A wide range of ballast and tyre choices, included a large rear wheel diameter of 2.15 m, ensures that MF 8700 tractors can

be tailored precisely to the tasks that are expected of them, for maximum traction with the minimum of soil damage, whilst using the minimum of fuel. That is part of our commitment to help protect the soil and preserve the land for future generations.





The latest tyre equipment allows MF 8700 models to work at very low tyre pressures, even for high traction jobs, including dual wheels:

- Rear tyre choice up to 900 mm and 2.15 m diameter



#### **A wide choice of ballasts are available**

Sometimes you need extra weight to deal with intensive traction work. The MF 8700 is available from factory or via AGCO Parts with additional front, rear and tyre weights to exactly match your needs. This includes a 1,500 kg and 2,300 kg compatible weight extension, wheel weight installation from 250 to 750 kg on each side and integrated belly weight from factory.

**Increased traction and low soil compaction can be achieved working with the right ballast and tyre choice including tyre pressure.**

**The right balance between ballasts and tyre choices brings:**

- More power to the ground
- Ultimate traction capabilities
- Limited soil compaction to boost yields whilst maintaining soil health for the next generation
- Improved fuel economy



# Best in class 370 hp manoeuvrability...

Compact, manoeuvrable, with perfect power-to-weight ratio MF 8700 tractors handle easily and comfortably in the field and on the road, at minimum speeds and full speed. Excellent manoeuvrability and stability when making headland turns or

working in hilly fields, plus the ability to tread lightly yet pull strongly, is all part of our commitment to help protect the soil and preserve the land.



Curved chassis and integrated front linkage smart designs provide excellent manoeuvrability and tight turning angles.



Smart and easy system to pass from front linkage working position to stowage position for minimizing overall tractor length when front linkage isn't needed such as transport application.

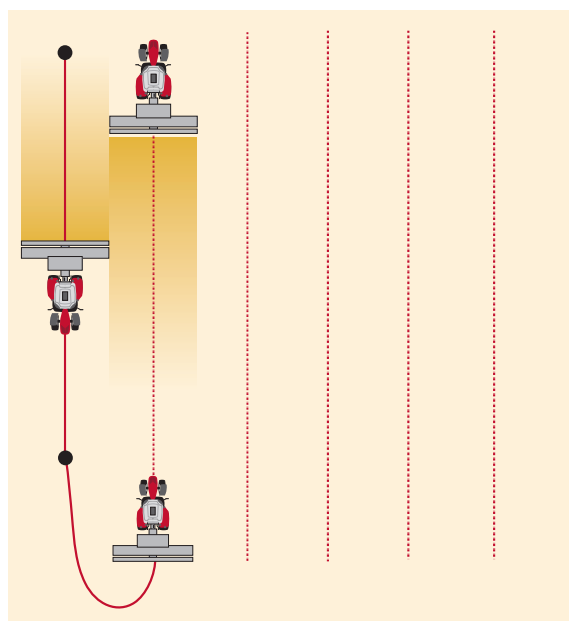




#### Four-wheel drive and differential lock

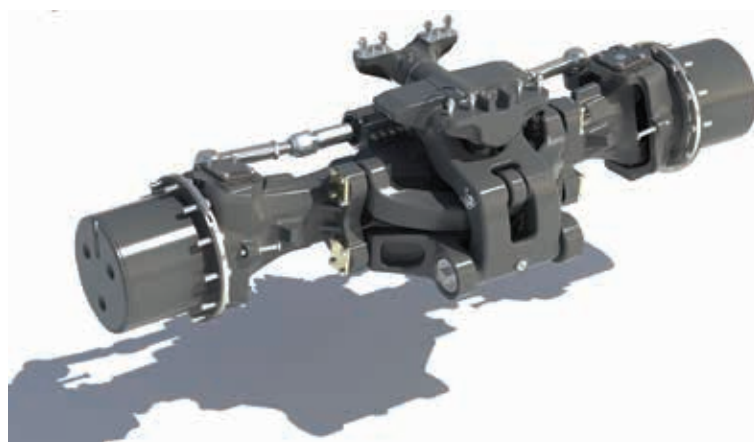
The transmission controller also relieves the driver of many repetitive tasks of four-wheel drive and differential lock operation. It engages the differential lock when it's required, when the implement is lowered into work, and disengages it when it's not:

- Automatic disengagement of 4WD and differential lock above 14 km/h
- Automatic differential lock disengagement when a rear linkage mounted implement is raised (and re-engagement when lowered)
- Automatic differential lock disengagement when either one or both of the brake pedals are pressed (and re-engagement when released)
- Automatic 4WD engagement when both brake pedals are depressed, when the differential lock is engaged or the handbrake applied
- Automatic differential lock and 4WD disengagement linked to wheels turning angle



#### QuadLink suspended front axle

Standard on all MF 8700 tractors, QuadLink front suspension provides a smooth ride, improved traction, excellent ground clearance and tight turning angles, even on tractors with large tyres.



#### SpeedSteer – for precision and reduced effort

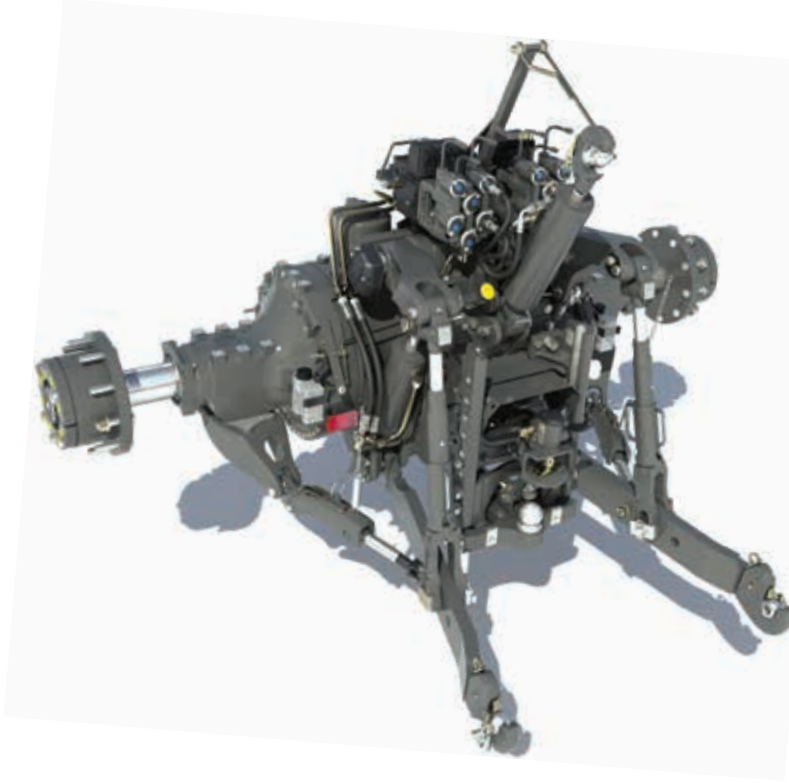
SpeedSteer allows the operator to adjust the steering ratio and select the number of steering wheel turns required for a given amount of steering angle. The system, which can be switched on and off, automatically disengages above 18 km/h for safe operation at high speed, whether in the field or on the road.

# Powerful Hydraulic Muscle

Give a lift to your productivity

The innovator of three-point linkage power and hydraulic capability, Massey Ferguson has never rested on its laurels when it comes to ensuring its systems meet and exceed the requirements of modern machinery.

Part of Massey Ferguson DNA, our three-point linkage is the finest example of productivity, power and responsiveness for the operator in the field for more than 75 years.



## Heavy-duty front and rear linkages

With a rear linkage lift capacity of 12,000 kg, there are few tractors in this power bracket that can match the MF 8700 Series for the ability to hoist heavy implements. The rear linkage design and the tractor's structural build are designed to handle such demands, with twin external lift rams and twin variable-float telescopic stabilisers. Quick couplers with decompressing system are standard, as external linkage and valve controls. A total of 6 spool valves are available.

At the front, buyers can specify a fully-integrated 5,000 kg front linkage designed to match the Massey Ferguson front suspension, with two double-acting spool valves and a free return line.

## Rear Hitch

CAT3 or CAT4 swinging drawbar is standard on the MF 8700 models.

## The ultimate in draft control accuracy

Massey Ferguson continues to lead the way in electronic linkage control (ELC). On MF 8700 tractors, the latest evolution in this development provides even greater accuracy in depth setting and ground contour following to provide excellent weight transfer, traction and workrates, while reducing wheelslip, tyre wear and fuel consumption. Armrest-mounted controls for functions including quick engagement, sensitivity and raise/drop speed fall intuitively to hand. There are also full rear fender controls on both sides of the tractor to help when hitching up.



## Powerful braking systems

As you would expect from a tractor of this size, designed to haul and handle the heaviest loads, the MF 8700 braking system is as beefy as the rest of its hydraulic arrangement. Reassuring, fade-free braking comes courtesy of oil-immersed, power-assisted disc brakes, while air brakes for trailed equipment are an option.





### Standard Active Transport Control

Designed to minimise the pitching action of heavy mounted equipment when in the raised position during transport or on the field headland, Active Transport Control, fitted as standard to MF 8700 tractors, is a shock-absorbing system that is automatically adjusted for different implement weights to counter implement bounce. The result is smoother, safer, faster transport and a reduced risk of damage to the tractor and its hydraulic system.

### ATC and Quadlink

The combination of ATC and the Quadlink suspended front axle provides exceptional stability when transporting or operating mounted equipment at speed, resulting in greater comfort and safety for the driver, and ultimately greater productivity.

### Power Beyond

Built into the CCLS spool block is a Power Beyond facility that, via additional flow and return pipes, provides oil flow directly from the pump, enabling additional remote spool valves to be connected.

### Auxiliary spool valves

Standard specification comprises four electro-hydraulic spool valves, with up to eight available if required. Fingertip Spool Management allows complex equipment to be precisely and easily controlled. There are separate spools for the operation of the front linkage and front couplers.

### High flow, high pressure oil

All MF 8700 tractors feature a closed centre load-sensing (CCLS) hydraulic system that provides 205 l/min of oil flow for both linkage and external services, for fast response whatever the load. The result: the ultimate in fuel and power efficiency. Decompression-type hydraulic couplers make implement attachment easier, allowing coupling and uncoupling under pressure.



All rear couplers are equipped with an hydraulic decompressing system.



# Performing the most demanding operations with precision



### High specification PTO

MF 8700 tractors can be specified with a fully-independent 540 Eco/1,000 rpm PTO, or 1,000/1,000 Eco speeds. External engagement and emergency stop buttons provide convenience and safety. External engagement can be automated with engine speed for fast control of implement such as slurry tank filling.

### Economy PTO

Achieved at around 1,600 rpm, 540E and 1,000E rpm economy PTO speeds further improve fuel efficiency and noise levels when on lighter duties.

### Automated PTO control

In 'Auto' mode, the PTO is automatically disengaged when travelling at speeds above 25 km/h, while it is also disconnected when the linkage is raised and re-engaged when it is lowered. The transmission controller monitors and controls PTO engagement according to load for a smoother take-up, leading to improved driver comfort whilst protecting both tractor and implement from damage due to inappropriate engagement.

### Front PTO

A six-spline front PTO which operates at 1,000 rpm is optional on MF 8700 tractors, and when combined with a front linkage allows a wide range of additional implements to be powered, helping to reduce passes and improve efficiency.

### Power with economy

Nominal PTO speeds are achieved at, or near to, 1,950 rpm, which is also maximum engine power. With the benefit of a constant power band of up to 600 rpm and the ability, with Dyna-VT, to precisely select any ground speed at the chosen engine speed, you can always achieve a perfect match of PTO speed, forward speed and power, for optimum economy.



Pillar mounted PTO speed selection controls and linkage controls.

Command Centre PTO selector switches and Auto activation button.



Fender mounted PTO, hydraulic spool valve and linkage controls.



# FUSE™ Technologies

Connecting your farm enterprise

Information is power, with accurate data measurement and recording enabling more precision in decision making. The pace of progress and innovation set by the MF 8700 Series is evident in the on-board technology solutions that it incorporates – systems that have a real place in the future of agriculture, helping farmers to become more productive through the knowledge brought by putting precision-measured data at the business owner's fingertips.

Through AGCO FUSE™ Technologies, Massey Ferguson delivers the straightforward and dependable technology solutions it has

long been known for – technology that quietly, without fuss, does the jobs that farmers require of it. The on-board technology solutions incorporated into the MF 8700 Series are a clear indication of the pace of progress and innovation set by Massey Ferguson. Information is power where making farming more efficient and productive is concerned. This is why we focus on delivering straightforward, dependable technology solutions that bring about improved productivity, ease of use and profitability through higher yields, lower input costs and greater profits.



**FUSE™**  
TECHNOLOGIES

# The CCD console

Keeping you informed and in control



- 1** Full tractor functions management and optimisation features (transmissions, engine and hydraulics).



- 2** **Video Mode** – Pictures from an on-board camera can be displayed on the console screen, allowing operators to monitor complex implements or simply improve safety and efficiency when reversing.



- 3** **ISOBUS for total implement control** – ISOBUS allows an implement manufacturer's control system to be displayed on the console screen, saving owners and operators time and money, with no need to install additional terminals in the cab. Simply plug the implement lead into the tractor's ISOBUS socket and the system automatically uploads the operating menus and displays on the screen.

Available as an option on Efficient models, the CCD console puts information at your fingertips to allow you to quickly make the best decisions to run your business efficiently.



- 4** **Memorise data and settings** – Up to eight different memories enable the system to record information during operation on area worked, fuel use, hours worked and much more.

All the settings and parameters can be stored by the CCD to securely back-up those tractor settings: A truly unique feature of CCD is the ability to save the memorised tractor settings to a USB memory stick and manage those settings before commencing work. All these settings can be transferred between all your machines equipped with CCD.



- 5** **Headland management settings** – The CCD Console comes as standard with the most intuitive, straightforward and easy to use automatic headland management system available in the market today and developed exclusively by Massey Ferguson. It is designed to save you significant time at headlands, allowing you to concentrate on the operation in hand so that you can maximise outputs with ease.



- 6** **AG3000 Receiver** – Auto-Guide 3000, a fully integrated telemetry system, is available on these machines. See over leaf for more information.



# AUTO-GUIDE<sup>®</sup>

## 3000

### Auto-Guide™ 3000 automatic guidance

Massey Ferguson introduces the fully machine integrated Auto-Guide™ 3000 system.



### Plug-and-play solution

Simple integrated solutions are available for tractors fitted Auto-Guide ready from the factory. Using either the optional Datatronic or C3000 screens, all that is then required is the AG3000 Receiver.

### “GO” mode

Auto-Guide™ 3000 Basic offers the most easy-to-use “GO” mode. In this mode, only the absolutely necessary menu items are shown for easy operation. “GO” mode enables you to start in only seconds. Click “GO” and the terminal guides you through the set-up: ONE set implement TWO, choose your way line, and GO.

Implement

Wayline

Go!

### Auto-Guide™ 3000 Basic

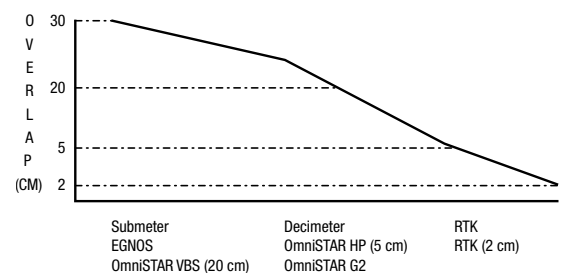
Highest accuracy guidance integrated into the optional Datatronic CCD display for maximum operator ease.



### Auto-Guide™ 3000 Advanced

For all advanced guidance features and a touchscreen terminal, choose Auto-Guide™ 3000 advanced with AGCO's C3000 terminal.

- 12.1" touch screen
- User configurable screen
- All advanced guidance features
- Virtual ISOBus terminal



### From Free-To-Air Autonomous to full RTK

Using both GPS and Glonass satellites, all accuracy levels are available from Autonomous, Decimeter up to full RTK.

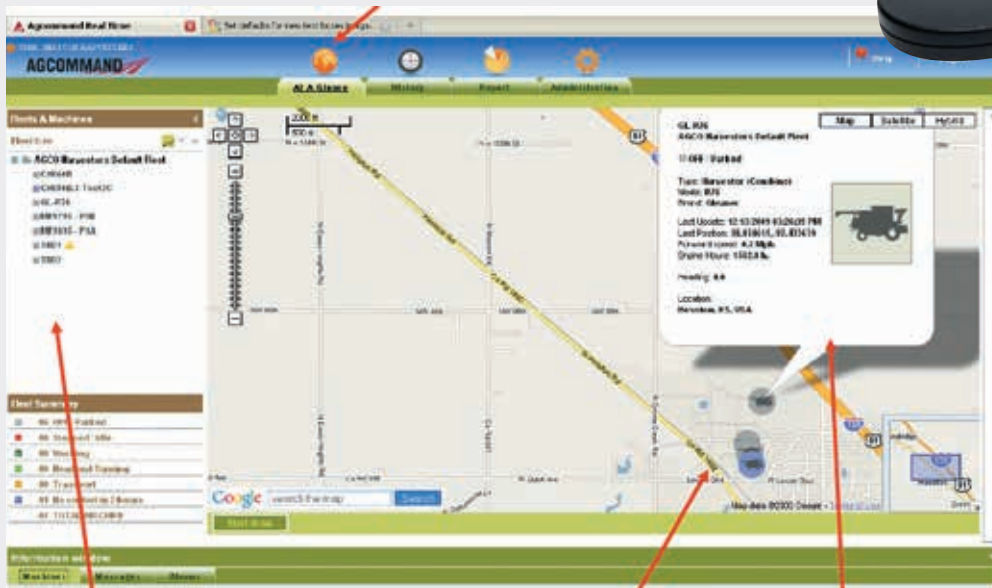
# AGCOMMAND™

## Your finger on the pulse at all times

The AGCOMMAND™ telemetry system from AGCO is ideal for large businesses and contractors. If you need consistent, concise information concerning your fleet at all times then AGCOMMAND™ is the perfect choice.

AGCOMMAND™ Standard Plus is a leading edge data recording and transmission tool that allows you to optimise fleet performance by monitoring and reporting vehicle position, history and status. Also, monitor operating costs and enhance productivity.

AGCOMMAND™ collects machine performance data and GPS location, this is then transmitted via the phone network and is then viewable via your PC or iOS device.



## Features and Benefits

### ► Near Real Time Access

AGCOMMAND™ Standard Plus collects and transmits data providing accurate and precise information regarding machine performance and location optimising machine utilisation and efficiency

### ► Fully Automatic Data Collecting and Transfer

AGCOMMAND™ Standard Plus requires no operator input, the operator can concentrate on the task in hand maximising in-field performance whilst the data is continuously transferred

### ► Universal Installation

AGCOMMAND™ Standard Plus is not limited to AGCO branded machines and vehicles

### ► Alarms

AGCOMMAND™ GEO-fences allow the customer to monitor machine position and check that the machine is working in the correct location. Service alarms allow routine maintenance to be planned and actioned with a minimum impact to machine productivity

### ► Maintenance

AGCOMMAND™ allows the requirements for machine maintenance to be directly monitored and managed by the customer or passed over to the dealer

### ► Maps

AGCOMMAND™ provides maps showing a machines working history – historic locations, area worked, travel patterns, etc, allowing productivity to be measured in specific fields or over a specific length of time

### ► Comparisons

AGCOMMAND™ allows the direct comparison of the performance and efficiency of up to five machines in the same fleet working in any location or application

### ► Reports

AGCOMMAND™ allows a number of reports to be generated, ranging from individual field reports up to a full season efficiency report allowing productivity to be studied and maximised

### ► AGCOMMAND™ Advanced

For those customers wishing to receive minute-by-minute updates plus an abundance of extra information to assist their business with data capture



# Servicing made easy

With a Massey Ferguson 8700 Series tractor, time spent in the yard preparing for the day ahead is kept to a minimum. We have combined practicality with style to ensure daily maintenance is speedy, straightforward and simple, taking the stress out of maintaining your tractor, getting you to the field earlier for greater productivity.

Plenty of room to access radiators for cleaning.



The well proportioned cooling package is easy to access, clean and maintain. 90% of dust is removed naturally thanks to the suction from the cooling fan. The engine air filter is also very easy to access and clean.



The cab air filter can be removed easily for cleaning.



The waisted bonnet and front axle design ensures comfortable access to the engine oil filters and oil dipstick.



The single piece bonnet lifts fully to allow excellent access for full servicing.



# Standard and optional equipment

Tailor your tractor to you

	<b>EFFICIENT</b>
<b>Engine</b>	
6 cylinder AGCO POWER Tier 2	●
EEM Engine with memorised speed control	●
<b>Transmission</b>	
Power Control shuttle	●
T lever on Command Control Armrest	●
MultiPad lever on Command Control Armrest	○
Dyna-VT 50 km/h Eco with Dynamic Tractor Management (DTM)	●
Cruise speed control	●
ParkLock	●
<b>Operator environment</b>	
Standard Air Conditioning	○
Automatic Air Conditioning	●
Super Deluxe Air Suspended Seat	●
Maximum Evolution Premium Air Suspended Seat	○
Auxiliary Seat with Seatbelt	●
Radio, CD, MP3, Equalizer, Bluetooth, USB & Front Aux.	●
Telescopic Large Side Mirrors	●
Telescopic Large Side Mirrors with Electric Adjustment and de-icing	○
OptiRide Plus Cab Suspension semi-active	●
Radar and slip control	●
CCD/Datatronic 4 with video and isobus capability	●
Trailer steering axle management	●
Dual Control	●

## KEY

- Not available
- Standard specification
- Optional

	<b>EFFICIENT</b>
<b>Operator environment (cont.)</b>	
Headland Management System	●
Auto-Guide™ 3000 Ready	●
Auto-Guide™ 3000 with Go Mode	○
SpeedSteer	●
AGCOMMAND™	●
<b>Chassis and hydraulics</b>	
Electrical controls of spool valves	●
Electronic Joystick	●
Power beyond	●
Electronic linkage controls with Active Transport Control	●
Auto PTO function	●
Auto 4-Wheel-Drive and Auto DiffLock functions	●
Telescopic stabilisers	●
Automatic stabilisers	○
Hydraulic Toplink	○
Integrated front linkage system	○
Integrated Front PTO	○
<b>Electrical equipment</b>	
Automatic Isolator switch	●
ISO signal connector	●
External lift control on fenders	●
External PTO start/stop control on fender	●
External remote valve control on fender	●
LED lighting	○
<b>Other equipment – specifications may vary by market</b>	
Quadlink – Suspended front axle	●
Pivoting front fenders	●
Hydraulic trailer brake	●
Pneumatic trailer brake	○

# Specifications as standard

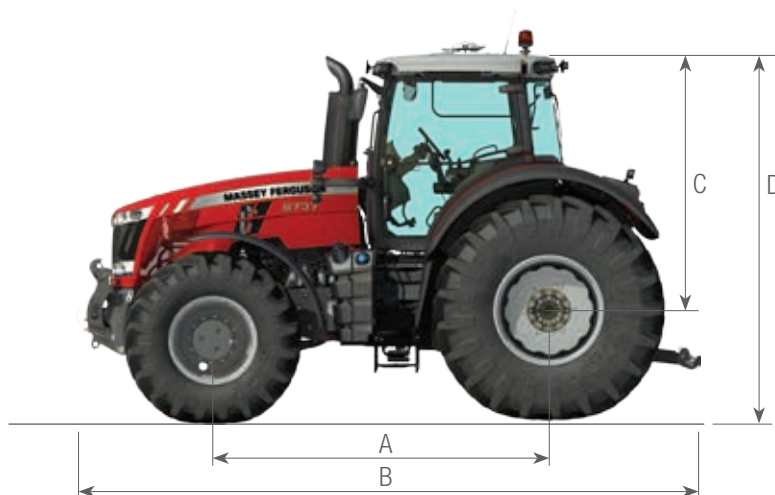
<b>Engine</b>		<b>MF 8727</b>	<b>MF 8730</b>	<b>MF 8732</b>	<b>MF 8735</b>	<b>MF 8737</b>
Engine Type		AGCO POWER				
No. of cylinders / no. of valves / Capacity		6 / 4 / 8.4 L				
Bore / Stroke	mm	111 / 145				
Aspiration		2 stage Turbocharger with Interstage Charge Air Cooler and electrical wastegate at the high boost pressure side				
Injection type		Common rail				
Fan type		Vistronic – variable fan speed				
Maximum hp @ 1,950 rpm	✪ ISO hp	270	295	320	350	370
Maximum torque @ 1,500 rpm	✪ Nm	1,185	1,295	1,400	1,500	1,540
Max. power available @ PTO shaft (OECD, accuracy +/- 3%)	hp	225	250	275	300	320
Fuel tank capacity	litres	690				
<b>Transmission Dyna-VT</b>						
Type		Stepless, Continuously variable transmission with Dynamic Tractor Management (DTM)				
Field speed range	km/h	0.03 – 28 km/h Forward and 0.03 – 16 km/h Reverse				
Road speed range	km/h	0.03 – 50 km/h* Forward and 0.03 – 38 km/h Reverse 50 km/h Eco at 1,550 rpm				
<b>Rear Linkage and hydraulics</b>						
Lower links type		Cat 3 or 4 (Cat 3 quick hitch optional)				
Maximum lift capacity, at link end	kg	12,000				
Hydraulic type		Closed Centre Load Sensing				
Maximum Flow	litres/minute	205				
Maximum pressure	Bars	200				
Maximum no of rear spool valves		6				
<b>Front linkage and Front Power Take-Off</b>						
Type		With independent electro-hydraulic control				
Lower links type	Category	3				

## KEY

- ✪ ISO TR14396
- Not available

<b>Front linkage and Front Power Take-Off (cont.)</b>		<b>MF 8727</b>	<b>MF 8730</b>	<b>MF 8732</b>	<b>MF 8735</b>	<b>MF 8737</b>
Maximum lift capacity, at link end	kg	5,000				
Maximum No of front spool valves		2				
Engine speed at 1,000 front PTO speed	rpm	2,036				
<b>Power Take-Off (Rear)</b>						
Operation and control		Electro-hydraulic engaged. Start/stop control on armrest and on rear fender, with headland automation				
Speed selection		Electro-hydraulic control in cab				
Engine speed at 540 Eco / 1,000	rpm	1,577 / 1,970				
Engine speed at 1,000 / 1,000Eco	rpm	1,970 / 1,605				
Shaft diameter	inches	1 <sup>3</sup> / <sub>8</sub> " 6 & 21 splines; 1 <sup>3</sup> / <sub>4</sub> " 20 splines				
<b>Weights</b>						
Average minimum weight with no ballast	kg	10,800				
Maximum Gross vehicle weight	kg	18,000				

## Dimensions



<b>Dimensions</b>	<b>MF 8700</b>
A - Wheelbase - mm	3,093
B - Overall length from front weight frame to rear linkage arms - mm	5,552
B - Overall length from front linkage to rear linkage arms - mm	6,200
C - Height to top of canopy/cabin - mm	2,353
D - Track width - mm	3,428