

HP  
95-150

# MF 6400/7400

Full range of Panoramic Cab tractors  
10 models: 95 to 150 hp (110 to 170 hp max. boosted\*)

\*See specifications



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

# Outstanding comfort, visibility and specification choice

Massey Ferguson Panoramic Cab tractors offer exceptional comfort and visibility with outstanding 'driveability' and unrivalled transmission choice. Operators work in the ultimate environment to achieve maximum productivity... and safety. Most models feature new generation styling with a tilting bonnet for easy service access, whilst MF 6445 and MF 6455 are also available with 'steep-nose' hood design to further aid forward visibility.

## High-productivity features\*

Massey Ferguson offers the ultimate transmission choice for maximum productivity with smooth, effortless operation. Any combination of speed and engine rpm is offered by the superb Dyna-VT transmission. Alternatively, the Dyna-6 mechanical semi-powershift transmission provides six clutchless steps in every gear, along with automatic changing functions.

On both transmissions, the left-hand Power Control lever gives smooth, adjustable power shuttle, clutch control and easy speed selection, from low creeper speeds right through to 50 km/h\*\* transport speeds.

The Panoramic cab, with its completely clear view to the right-hand side, offers maximum visibility without compromising comfort. At just **70 dB(A)**, the cab is exceptionally quiet and offers the highest levels of comfort and control.

Full road lighting is supplemented with additional work lights including rear fog and reversing lights, for efficient and safe working after-dark or in adverse weather conditions.

Equipment choice extends from less linkage and hydraulics, right up to comprehensive agricultural specifications with a range of high-capacity hydraulic systems, linkage, hitches and mechanical or electro-hydraulic spool valves.

The optional QuadLink™ suspended front axle and 'dual stage' cab suspension further enhance the driving experience and help to maximise productivity.

## MF 6400/7400 Series highlights

- Exceptional comfort and operating simplicity, with excellent fuel economy
- Purpose-designed for roadside maintenance and other municipal tasks
- Pillarless right-hand window for a perfect view of side-mounted equipment
- Dyna-6 transmission, with unique left-hand Power Control...
- Or Dyna-VT, continuously variable transmission for ultimate speed control
- Latest Tier III-compliant engines with common rail fuel injection and 4 valves per cylinder for outstanding fuel economy
- Available less linkage and hydraulics up to full 'agricultural' specification

\* Some features listed are optional  
\*\* Depending on model and market/legislation



### The MF 6400 and 7400 Model Line-Up

Model	Engine	Capacity	Rated/Max. hp <sup>1</sup>	Rated/Max. hp <sup>2</sup>	Max. PTO hp <sup>3</sup>
MF 6445	4 cyl. Turbo/intercooled	4.4 litre	95/100	100/110	88
MF 6455	4 cyl. Turbo/intercooled	4.4 litre	105/112	115/125	100
MF 6460	4 cyl. Turbo/intercooled	4.4 litre	115/125	125/135	110
MF 6465	6 cyl. Turbo/intercooled	6.6 litre	120/130	130/140	115
MF 6470	4 cyl. Turbo/intercooled	4.4 litre	125/135	135/145	120
MF 6475	6 cyl. Turbo/intercooled	6.6 litre	135/145	145/160	130
MF 6480	6 cyl. Turbo/intercooled	6.6 litre	145/157	160/170	140
MF 7465	6 cyl. Turbo/intercooled	6.6 litre	125/135	-	115
MF 7475	6 cyl. Turbo/intercooled	6.6 litre	140/150	-	130
MF 7480	6 cyl. Turbo/intercooled	6.6 litre	150/167	-	140

<sup>1</sup> ISO TR14396 (EG 97/68), nominal at 2200/2000 rpm

<sup>2</sup> ISO TR14396 (EG 97/68), in transport/PTO at 2200/2000 rpm

<sup>3</sup> OECD, at PTO shaft

# Panoramic Cab: Ultimate visibility with maximum control

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The Panoramic cab's 140° wide, polycarbonate screen with no B-post on the right-hand side provides a completely clear view of side-mounted implements.

The one-piece side screen is 8mm thick and extremely tough to protect the operator from flying debris. A special anti-scratch coating and dedicated wash/wipe system maintain excellent visibility in all conditions. A retractable sunblind, fitted as standard, folds away onto the front cab pillar when not required. Front and rear visibility is also outstanding, as is the view above when the Visio-roof is specified.

#### **Steep-nose bonnet**

The Visio-roof option, which enhances the overhead view, is also the perfect match for the high-visibility, steep-nose bonnet option available for the MF 6445 and MF 6455. This combination is an ideal partnership for front loader or snow clearing applications by providing an extra two metres of useful visibility ahead of the tractor.

There's also no compromise on cab comfort, when specifying the Visio-roof, because it is purpose-built and incorporates full air-conditioning and ventilation.

#### **All-round lighting**

The excellent standard lighting is enhanced with a range of additional work lights. At the front of the tractor, four roof-mounted work lights supplement the headlights. On the right-hand side there is a powerful work light mounted on an adjustable, extended arm and at the rear of the tractor there is an additional fog lamp and reversing light.

For local authority and road working operation, brackets and wiring are available and enable easy fitting of a roof-mounted 'tri-flash' hazard warning triangle.



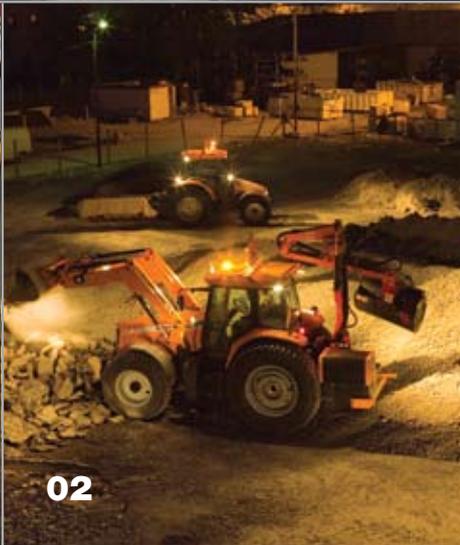
**01** Optional Visio-roof gives excellent high forward visibility.

**02** Standard equipment includes extra lighting for side illumination.

**03** Sun blinds are standard.



**01**

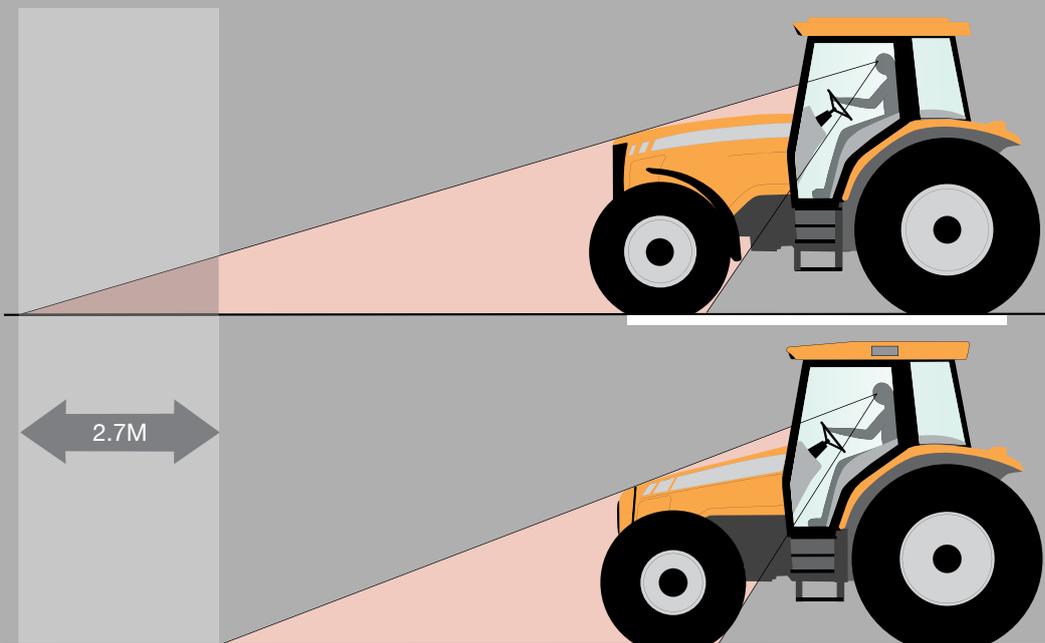


**02**



**03**

**04** The steep-nose bonnet design (option, MF-6445/6455) gives improved forward visibility.



**04**

**05**

# Panoramic Cab: Ultimate visibility with maximum control

Comfort, productivity and safety go hand in hand. So the Massey Ferguson Panoramic Cab tractors are designed to tackle long working hours, whatever the temperature, the terrain or the task.

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## High specification seats

The high specification, swivelling seat is fully adjustable to help reduce back pain. It includes a lumbar support and mechanical height adjustment. In addition, there is a height and aft adjustment for the right-hand armrest, ensuring the armrest controls are positioned perfectly.

Options include pneumatic height adjustment or a super de-luxe seat with double pneumatic lumbar support, heating and 'active carbon' seat covering for greater comfort in really hot conditions.

## QuadLink suspension

Available as an option, Massey Ferguson's 'QuadLink' suspended front axle further enhances ride comfort and control. It has a compact, simple design

that automatically maintains a constant suspension height, regardless of axle load. The result is increased stability and a significant improvement in driver comfort, productivity and safety.

**Operator-controlled QuadLink** is operator-controlled so you can switch it on or off as required.

For example, when working in a confined space with a loader or with pallet forks, where height control must be precise, it is a real advantage to be able to deactivate the system.

## Dual Stage suspended cab

To provide the ultimate in ride comfort, Massey Ferguson's cab suspension system can also be specified. The design features 'dual stage' air suspension that

can be adjusted, at the flick of a switch, between two ride firmness settings to suit field or road working conditions.

This unique operator-controlled system stabilises cab movement more effectively and also has fewer mechanical links between the cab and transaxle, so noise insulation is also improved.

## Simple, precise controls

Most of the frequently used controls are grouped to the right, either armrest-mounted or on the right-hand console. All of the controls are large and easy-to-operate and all activate with satisfying precision. Many of the tractors' functions are automated or semi-automated to reduce repetitive tasks and simplify operation.



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01 The Closed Centre Load-Sensing (CCLS) hydraulic system increases oil-flow & pressure when required.

02 High specification seat.

03 Heating & air lumbar support switches on super deluxe seat (optional).

04 QuadraLink suspended front axle.

05 Superb ergonomics for efficient control (Dyna-6 model shown).



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# Power in reserve plus outstanding fuel economy

All models are powered by either Perkins or AGCO SISU POWER, Tier III emissions-compliant engines, featuring common rail fuel injection and 4-valve cylinder head design. They deliver high power and torque and work in perfect harmony with the highly efficient Dyna-6 and Dyna-VT transmissions to give outstanding performance in a wide range of applications, with excellent fuel economy.

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## **Advanced Electronic Engine Management**

The Electronic Engine Management system (EEM) controls not only the very precise common rail fuel injection, but also enables a range of advanced engine control functions, including Power Boost and Engine Speed Control.

## **PTO/Transport boost**

On MF 6400 models, in PTO and Transport applications, EEM automatically gives a significant power and torque 'boost' (see specifications, Page 25). This means relaxed operation and fewer gear changes even on steep gradients and uneven load conditions.

## **Engine Speed Control**

Switches mounted conveniently on the right-hand console enable two engine speeds 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**

Electronic engine management constantly monitors a wide range of parameters and makes continual and incredibly fine adjustments to fuel injection. Combined with four-valve cylinder head design and common rail fuel injection, this has given significant improvements in both emissions and fuel economy.

Whilst lowering the absolute Specific Fuel Consumption (SFC) figure is important, the graph (on the page opposite) shows how the latest engines achieve lower fuel consumption over a much wider range of operating conditions.

## **Common rail fuel injection**

The common rail fuel injection system gives a faster response to changes in working conditions and engine load. It also gives more

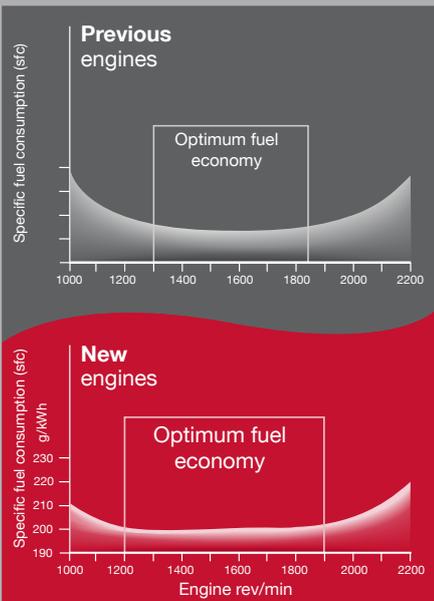
power and torque over a wider engine speed range, excellent fuel economy and lower noise and emissions.

## **Four valves per cylinder**

The cylinder head design features two inlet valves and two exhaust valves per cylinder, enabling the fuel injectors to be centrally positioned in the cylinder head.

This design improves fuel/air mixture and gas flow, giving optimum fuel combustion and reducing emissions and fuel consumption, whilst also improving engine reliability by reducing upper cylinder temperature. The more efficient combustion also improves torque characteristics throughout the whole working range.

\* Optional on MF 6400; standard on MF 7400



Compared to previous generation engines, Massey Ferguson's electronic engine management system broadens the operating range within which the tractor is operating at optimum fuel efficiency.

# Dyna-6: for exceptional flexibility and productivity

On MF 6400 models, Dyna-6 offers six change-under-load speeds within each of four ranges, plus left-hand Power Control giving smooth, on-the-move, clutchless powershift changes.

## Working with Dyna-6

Dyna-6 uses four simple synchromesh gears, each with six Dynashift speeds. All Dynashift changes are made under load, without the need to use the clutch pedal, which makes Dyna-6 exceptionally easy to use. And with a choice of either left- or right-hand control, there's total operating flexibility to suit different applications and driver preferences.

With Dyna-6 'Eco', maximum speed is achieved at only 1,880 rpm on most models, for improved economy and reduced noise levels.

With optional AutoDrive, the system will change speeds automatically, which means you can concentrate on achieving the best work quality.

## Left-hand Power Control

The left-hand Power Control lever provides convenient forward/reverse shuttle, powershift changes, range changes (in AutoDrive, Transport mode) and fingertip declutching, leaving the right hand free to operate complex mounted equipment.

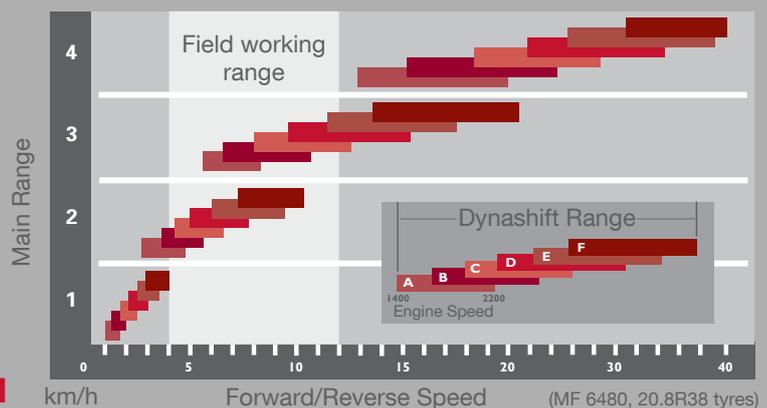
Shuttle operations are more efficient too, with programmable forward/reverse speeds, to reduce

repetitive tasks and speed up cycle times.

## Right-hand control

The T-shaped gear lever is mounted in the armrest, which is adjustable, so all of the controls are always in the right position. Simply 'pulse' the gear lever forwards or backwards to change up or down through the six Dynashift ratios individually.

To change range, simply press the range selection button as you



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Two levels of automation are available; Speedmatching and AutoDrive, and also creep and super-creep options, offering travel speeds from low-speed hedge-cutting to high-speed transport.

**Speedmatching** (standard)

Speedmatching is the ideal transmission control aid when mowing, hedge-cutting and for a wide range of other local authority maintenance work.

When changing gear or range, Speedmatching automatically selects the most appropriate Dynashift ratio to suit forward speed.

For example, if a tractor is carrying heavy mounted implements in 3rd gear in Dynashift ratio 'F', if the operator changes into 4th gear, Speedmatching will automatically select either C or D ratio.

**Variable shuttle take-up**

On Speedmatching models, in front of the LED display is a rotary 'comfort control' for adjustment of the rate of engagement of the forward/reverse shuttle.

So whether you are mowing verges on side roads or working with a front loader, simply turn the control to achieve the optimum balance between comfort and productivity.

**AutoDrive**

AutoDrive enables the operator to select the engine speed at which the transmission will automatically upshift, and will also downshift automatically according to load.

**The AutoDrive Controller has three main settings:**

- **Manual** gives full manual control with Speedmatching switched off.
- **Speedmatching** is available within both Transport and Field sectors.
- **AutoDrive** (see diagrams below); in the Field sector, gives fully automatic upshifting and downshifting of Dynashift changes, and in the Transport sector, gives automated Dynashift and range changes.

By adjusting the control, you can pre-select the engine speed at which upshifting takes place, between 1600 and 2200 rpm.

Downshifting takes place when engine speed falls under load by around 20%, maintaining full control and engine braking.

AutoDrive gives you total command of the transmission, with the exact level of automation you require for any application, simply by turning the AutoDrive Controller.

**Creep and supercreep speeds**

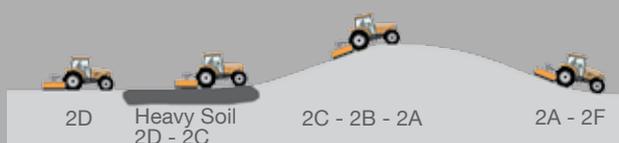
The (optional) creeper gearbox provides a 4.0:1 speed reduction, giving additional 12 forward and 12 reverse creeper gears with speeds down to around 400 metres per hour at rated engine speed. Supercreep gives an additional 24 forward and 24 reverse gears, with speeds down to around 110 metres per hour at rated engine speed.



**AutoDrive Transport Sector**



**AutoDrive Field Sector**



# *Dyna-VT* : the ultimate transmission for municipal operations

Dyna-VT is the perfect partner for the Panoramic cab, offering infinitely variable speeds from 0-50 km/h\*, in forward and reverse. Dyna-VT is exceptionally easy to use. Just set the exact engine speed for the implement, then vary forward speed to precisely match the work and conditions using either left-hand Power Control or the foot pedal.



### Stepless speed control

Dyna-VT has two infinitely variable speed ranges, 0-28 km/h for low speed applications and 0-50 km/h\* for transport applications.

To start work, simply move the left-hand Power Control lever into 'forward' or 'reverse' direction then push the armrest-mounted Dyna-VT lever. The further you push the lever, the faster you accelerate. No shifting of gears. No jerks. No breaks in traction or power; just infinite speed control from 'supercreep' to high transport speeds!

### Left-hand Power Control

If you prefer left-hand control, the Power Control lever adjusts ground speed in a similar way, and also gives convenient, left-hand control of forward/reverse shuttle.

### Smooth forward/reverse shuttle

Moving the Power Control lever from forward to reverse position gives an incredibly smooth power shuttle, with the added benefit of being able to pre-set the relationship between forward and reverse speed.

### Pre-set speed control

Travel speed and rate of acceleration can also be pre-set and memorised within each of two ranges - 'SV1' and 'SV2'.

The memorised speed acts as a cruise control to maintain a specified speed. It is activated by pressing the SV1 or SV2 button located conveniently in the armrest and can be adjusted, during work, simply by turning the appropriate SV1/SV2 rotary switch in the binnacle on the right-hand console.

### The 'Supervisor'

Supervisor optimises the relationship between engine load and travel speed and, in conjunction with SV1/SV2 speed control, can significantly increase productivity in all conditions.

Supervisor reduces forward speed when load becomes excessive, as defined by the rotary control setting, and SV1/SV2 will accelerate the tractor back to the desired forward speed as load decreases.

As this process is happening smoothly, continuously and automatically, maximum output and fuel economy are easily maintained.

### Choice of operating modes

In addition to Lever Mode, where the Power Control lever or armrest-mounted Dyna-VT lever are used, Pedal Mode is also available.

### Pedal Mode

Pedal Mode offers three further operating modes enabling tractor control by use of the accelerator pedal or hand throttle:

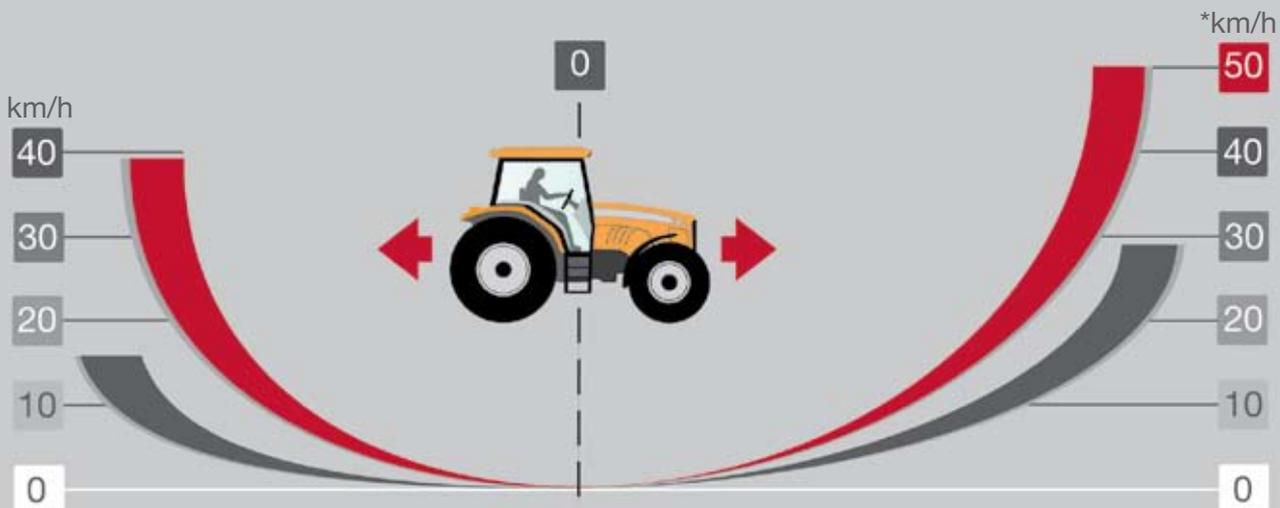
**Power Mode** gives 'automatic transmission' characteristics, with maximum speed at optimum engine revs, so full power is on hand for hauling fully laden trailers and for other heavy duty applications.

In **Economy Mode** ratio changes are made at a maximum engine speed of 1800 rpm, so top speed is available at reduced engine speed and economy is improved in lighter duty applications.

**Forager Mode** maintains pre-set engine speed and maximum power.

When mowing or hedge trimming, you can vary speed smoothly between 0 and 50 km/h, simply by pressing the foot pedal. Maximum power is maintained at all times to cope with hills and varying load conditions.

\* depending on market/legislation



# Wide specification choice for year-round productivity

MF 6400 and MF 7400 Panoramic Cab tractors are equipped to a high specification as standard. There is also a wide choice of features and options that allow you to virtually tailor-make the machines to suit your precise requirements.

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## **Load sensing hydraulics**

Closed Centre Load-Sensing (CCLS) hydraulic systems provide high oil-flow and pressure according to demand, with virtually instant response. This means there's no wasted power or fuel used for pumping oil that's not required. CCLS is standard on MF 7400 models and an option on MF 6400s.

## **Auxiliary spool valves**

With a choice of mechanical or electro-hydraulic valves or Spool Valve Management System (SMS), complex equipment can be controlled easily and effectively.

## **Power beyond**

All CCLS systems offer a 'Power beyond' facility. Extra flow and return pipes provide oil flow directly from the pump, enabling additional remote spool valves to be connected, without occupying the existing couplers.

## **Highly accurate linkage control**

Massey Ferguson's renowned ELC Electronic Linkage Control, with its class-leading accuracy and intuitive operation, provides precise draft, position and intermix functions. Further sophistication includes sensitivity, rate of drop and 'quick soil engagement'.

Frequently used controls are mounted in the armrest, with other functions grouped on the straightforward ELC console, providing simple and accurate operation. (Linkage is standard on MF 7400; optional on MF 6400).

## **Active Transport Control (ATC)**

Active Transport Control is standard and an integral function of the ELC system. This is a shock-absorbing system that minimises the 'pitching' action - automatically adjusting for different implement weights. This provides smoother, safer, faster transport and, by

reducing shock loads through the lift rams and hydraulic circuits, also protects the operator and the tractor from jarring.

## **Three-point linkage option**

MF 6400 Panoramic Cab models have the option of no rear linkage, ELC and hydraulics, or they can be fully specified to meet the needs of the most demanding users. All MF 7400 models come with three-point linkage as standard. This features twin external lift rams for high lift capacities and quick-attach top and lower links.

## **Front-linkage option**

A front linkage, with or without PTO, is an option on all MF Panoramic cab models, which further enhances the tractors' versatility. There is a choice of 2.5, 2.8 or 4.0 tonne lift capacity to suit the tractor.



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01 A fully specified rear linkage & hydraulic system is available.

02 Well laid out controls, with large, easy-to-operate levers and switches (Dyna-6 model shown).



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# Keeping your investment working, year after year.

When the verge-cutting season ends, this versatile machine goes from strength to strength and is easily adapted to other applications. Routine servicing is quick and simple too so you'll waste no time getting the job done.

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## High specification PTO

With power, versatility and simplicity of operation as key design criteria, Panoramic cab tractors offer high PTO specifications to meet the needs of every conceivable application.

All controls for front (optional) and rear systems are grouped conveniently on the right-hand console. Additional fender-mounted engagement and emergency stop buttons also give added convenience and safety.

All models also have automated PTO control. In 'auto' the PTO is disengaged when the linkage is raised and when travelling at speeds more than 25 km/h. It is engaged when the linkage is lowered.

## Datatronic 3

Datatronic 3 offer unrivalled levels of automated operation of complex equipment, while also gathering and recording information in multiple memories.

Tractor and operating information, logged by the Console, can be downloaded via an SD (Secure Digital) Card and transferred to an office PC. The system comes with GTA100 Communicator software as standard. Further software options build into a powerful management tool. This allows real costs to be allocated to jobs or fields.

## Simple routine servicing

All Massey Ferguson Panoramic cab tractors feature easy access to all routine service items. The sleek bonnet on MF 6465/75/80 and

MF 7465/75/80 models is stylish and practical. Rear hinged, the lockable bonnet raises fully, giving completely clear access to the engine, radiator and re-designed cooling package.

The radiators have a greater surface area for improved cooling and also hinge and separate for easy cleaning.



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01 The MF Panoramic Cab tractors are available in RAL 2000 orange and Massey Ferguson red.

02 MF 6400 & 7400 - 6 cylinders featuring pivoting bonnet for easy maintenance.

03 The Datatronic fits neatly to the right, for easy access to controls and for clear legibility.



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04 The SD card slot enables data transfer.



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# Individual care packages for individual circumstances

Nothing is ever certain in life; this is especially true if you work within the agricultural sector. So imagine how much easier life would be if you could experience true peace-of-mind where your farm machinery is concerned; no more hidden costs or surprise invoices.

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**manager** Service and Repair Contract\* is a complete package aimed at providing total care for your tractor including routine maintenance, repair cover and full AGCO backed warranty. This fully-backed contract will cover critical components such as:

- Engine and transmission
- Hydraulics
- PTO
- Steering
- Electronics
- Cab and controls
- Axles

#### Assurance for the life of the machine

You can be assured of 'preventative' servicing using the latest technology and professionally trained technicians. With years of experience they are on hand to ensure that your machine runs at optimum performance.

All of this will be carried out according to a strict maintenance schedule supplied by Massey Ferguson.

With a **manager** contract and through this 'preventative' servicing, your machine will maintain excellent productivity throughout its long working life. The most important aspect of this package is that you will never incur any unexpected hidden costs.

It is possible to cut the cost of maintaining your machine through 'preventative' servicing and maintenance, thereby reducing long term ownership costs and securing a productive future for your business.

#### Tailored to your needs

**manager** has been designed to cater for your individual needs. Cover is available for up to 5 years or 6,000 hours depending on your requirements. Available at initial point of sale or, for added flexibility, you can choose to take on a **manager** contract any time up to 12 months after machine registration.

Your dealer will prepare the servicing contract and can tailor it to last up to a maximum of 10,000 hours.

By choosing **manager** Service and Repair Contract, not only are you assured of complete peace-of-mind for you and your business but also a higher residual value for your machinery, full dealer history and genuine AGCO Parts inside and out.

**For more information on **manager** Service and Repair Contracts speak to your Massey Ferguson dealer.**

\* **manager** Service and Repair Contract may not be available or may be market dependant. Please contact your Massey Ferguson dealer to check availability in your area.



# Customer Support

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## **AGCO Customer Support...** providing local service to the global brand

Massey Ferguson is a truly global brand with machines operating all over the world, from revolutionary “little grey fergie” tractors to the latest high-tech tractors and combines. Have you ever wondered how we continue to provide industry-leading parts and service support to such a vast array of machines and technologies across the globe?

Behind every Massey Ferguson machine is the powerful aftersales support of AGCO’s Customer Support organisation.

Our main aim is to ensure that every machine - old or new - is fully supported locally, offering every Massey Ferguson owner:

- The best service in the industry
- Low cost of ownership
- A reliable and durable machine
- Minimum machine downtime
- A high resale value

### **State-of-the-art warehousing and logistics from AGCO Parts**

Of course, every Massey Ferguson dealer is fully backed-up by the AGCO Customer Support organisation which provides industry-leading parts supply through AGCO Parts’ state-of-the-art warehousing and logistics. With outstanding service levels, overnight delivery and inventory covering all Massey Ferguson machines - even those over 10

years old - we only ever supply genuine parts, and we guarantee the right fit, first time.

### **The right aftersales solution whatever the age of machine**

Whatever the age of Massey Ferguson machine, AGCO Customer Support has the right aftersales solution to save time & money, providing appropriate, affordable and reliable servicing and maintenance solutions in every situation.

### **Practical local support where you need it**

AGCO places great emphasis on providing the best service to our Massey Ferguson dealers and this extends beyond the exceptional servicing and maintenance solutions and parts supply:

- Expert training and specialist equipment
- Advanced diagnostic techniques
- Information retrieval technology to communicate the very latest parts and service information
- Highly skilled technical support groups

With aftersales support from AGCO Customer Support, it’s not just about supplying a filter or doing an oil change. It’s about providing the best solution to our customers’ needs, wrapped up with industry-leading parts and service support.



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01 Ensuring the best service support.  
02-04 Industry-leading parts supply from AGCO Parts.  
05 Lifetime support for all Massey Ferguson machines.

# Our promise to you

Our mission at Massey Ferguson, since the company was founded, has been to design, engineer and manufacture reliable, trustworthy and innovative tractors. Tractors that people recognise the world over.

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## VISION

Our vision for the world of agricultural machinery has always been clear; to produce worthwhile and innovative solutions for professional farmers feeding the world. Always recognisable, the Massey Ferguson brand of products signifies technological advancement, enhanced design, strict testing and quality manufacturing which is consistently trustworthy and hardworking.

## INNOVATION

We've always been one step ahead when it comes to innovation. Our founder, Harry Ferguson is proof of that.

Through continual questioning and analysis of customers' needs, our products are designed, tested and built to enhance productivity, efficiency and convenience, constantly pushing the boundaries of farm machinery.

From the simplest push of a button to technological innovations in engine and transmission efficiency, we strive to make life simpler for the operator.

## LEADERSHIP

Massey Ferguson is the most widely sold tractor in the world, making us the leaders in the agricultural arena. We've won awards for our class-leading technology and advancement in design and we're already driving ahead, environmentally and economically.

## QUALITY

It takes certain distinctive attributes to make a quality product. At Massey Ferguson, this distinction starts at the drawing board and doesn't stop. Every stage of manufacturing, from the building and testing process to sourcing the best components, demands excellence. Our products and services meet the most stringent standards allowing us to deliver our promises, confidently.

## RELIABILITY

We don't let a Massey Ferguson machine out of our sight until we are 100% sure it will perform to the high standards you expect. Only after rigorous and painstaking testing both in simulations and in the field, will we allow our products to leave the factory. Whatever you put your tractor through, day after day, season after season, we can guarantee we've already tested those limits and gone beyond them.

## SUPPORT

Agriculture can be a solitary business, that's why we make sure that you can get support whenever you need it and at crucial times of the year. Be assured of sustainability from more than 3,200 dealer outlets in over 140 countries and a comprehensive machinery distribution network, you'll be part of dedicated family of specialists who make it their business to give you genuine, top quality service support.

Equally, we won't let an opportunity slip through your fingers. If you have the commitment but not necessarily the financial resources to compete in today's market-driven climate then AGCO Finance could have the solution. Ask your local dealer for more information.

Financial options are market specific but can include leasing, hire purchase, contract hire and loan facilities.

## PRIDE

Here at Massey Ferguson, pride means many things to us. It's in everything we do and it shows. It's in our proud heritage, our unique product design and our ongoing support to our customers.

## COMMITMENT

We are deeply committed to delivering the highest of expectations and to build quality, reliable products with innovative features that are backed by the best support packages. Ultimately, we are committed to continuous growth and profitability for all, whilst recognising the needs of both large and small businesses through professionalism and quality.



Engine Power, Nominal		MF 6445 <i>Dyna-6</i>	MF 6455 <i>Dyna-6</i>	MF 6460 <i>Dyna-6</i>	MF 6465 <i>Dyna-6</i>	MF 6470 <i>Dyna-6</i>
Rated hp @ 2200 rpm	ISO hp (kW)	95 (70)	105 (77)	115 (84)	120 (88)	125 (92)
Rated hp @ 2200 rpm in transport/PTO	ISO hp (kW)	100 (74)	105 (84)	125 (92)	130 (96)	135 (99)
Maximum hp @ 2200 rpm	ISO hp (kW)	100 (74)	112 (82)	125 (92)	130 (96)	135 (99)
Maximum hp @ 2200 rpm in transport/PTO	ISO hp (kW)	110 (81)	125 (92)	135 (99)	140 (103)	145 (107)
Maximum torque	Nm	400	463	538	543	585
Maximum torque in transport/ PTO	Nm	463	525	585	585	625
Maximum power available @ PTO shaft Maximum hp @ 1000 PTO rpm OECD (accuracy +/- 2%)	hp (kW)	88 (65)	100 (74)	110 (81)	115 (85)	120 (88)
Specific fuel consumption†	g/kWh	208	208	205	210	205

#### Engine

Diesel, direct injection	make	Perkins	Perkins	AGCO SISU POWER	Perkins	AGCO SISU POWER
Type		1104D-E44TA	1104D-E44TA	44CTA	1106D-E66TA	44CTA
Cooling/fuel injection		Water cooled, direct injection diesel. Tier III compliant. Common rail electronic fuel injection. 4 valves per cylinder				
Aspiration		Turbocharged, with wastegate and Intercooler				
Capacity/ no. of cylinders	litre/no.	4.4/4	4.4/4	4.4/4	6.6/6	4.4/4

#### Clutch

Operation and control		Forward and reverse, multi-plate, oil-cooled clutches with hydraulic actuation and electronic control				
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#### Transmission

Dyna-6 - Speedmatching Semi-powershift gearbox, with 6 Dynashift ratios in each of 4 electro-hydraulically controlled ranges. Power Control and Speedmatching functions						
Dyna-6 - AutoDrive As 'Speedmatching', plus AutoDrive, giving manual, semi - or fully-automated Dynashift changes		○	○	○	○	○
50 km/h max. speed ▲		-	-	○	○	○
Creeper speeds - Additional 12F/12R Creeper speeds		○	○	○	○	○
Supercreeper speeds - Additional 24F/24R Creeper speeds		○	○	○	○	○
Dyna-VT		-	-	-	-	-
Field speed range						
Road speed range						

#### Power Take-Off (Rear)

Operation and control		Independent, electro-hydraulic with rear fender-mounted start/stop control and headland automation. In-cab control lever				
Speed change: Shifttable, flanged In-cab/external control		●/○	●/○	●/○	●/○	●/○

#### PTO speed @ engine rev/min

540 rpm (6 spline shaft)	rpm	1980	1980	1980	1980	1980
1000 rpm (21 spline shaft)	rpm	2000	2000	2000	2000	2000
Ground speed PTO		○	○	○	○	○
Economy PTO , 540 or 1000 rpm	rpm	○ /1550	○ /1550	○ /1550	○ /1550	○ /1550
Shaft diameter		35mm (1 <sup>3</sup> / <sub>8</sub> in)				

# Specifications

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.

Engine Power, Nominal		MF 6475 <i>Dyna-6</i>	MF 6480 <i>Dyna-6</i>	MF 7465 <i>Dyna-VT</i>	MF 7475 <i>Dyna-VT</i>	MF 7480 <i>Dyna-VT</i>
Rated hp @ 2200 rpm	⊕ ISO hp (kW)	135 (99)	145 (107)	125 (92)	140 (103)	150 (110)
Rated hp @ 2200 rpm in transport/PTO	⊕ ISO hp (kW)	145 (107)	160 (117)	-	-	-
Maximum hp @ 2200 rpm	⊕ ISO hp (kW)	145 (107)	157 (116)	135 (99)	150 (110)	167 (123)
Maximum hp @ 2200 rpm in transport/PTO	⊕ ISO hp (kW)	160 (118)	170 (125)	-	-	-
Maximum torque	⊕ Nm	607	649	585	681	711
Maximum torque in transport/ PTO	⊕ Nm	681	711	-	-	-
Maximum power available @ PTO shaft Maximum hp @ 1000 PTO rpm OECD (accuracy +/- 2%)	hp (kW)	130 (96)	140 (103)	115 (85)	130 (96)	140 (103)
Specific fuel consumption†	g/kWh	208	208	210	208	208

## Engine

Diesel, direct injection	make	Perkins	Perkins	Perkins	Perkins	Perkins
Type		1106D-E66TA	1106D-E66TA	1106D-E66TA	1106D-E66TA	1106D-E66TA
Cooling/fuel injection		Water cooled, direct injection diesel. Tier III compliant. Common rail electronic fuel injection. 4 valves per cylinder				
Aspiration		Turbocharged, with wastegate and Intercooler				
Capacity/ no. of cylinders	litre/no.	6.6/6	6.6/6	6.6/6	6.6/6	6.6/6

## Clutch

Operation and control		Forward and reverse, multi-plate, oil-cooled clutches with hydraulic actuation and electronic control	-	-	-
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## Transmission

Dyna-6 - Speedmatcing Semi-powershift gearbox, with 6 Dynashift ratios in each of 4 electro-hydraulically controlled ranges. Power Control and Speedmatching functions				-	-	-
Dyna-6 - AutoDrive As 'Speedmatching', plus AutoDrive, giving manual, semi - or fully-automated Dynashift changes		○	○	-	-	-
50 km/h max. speed ▲		○	○	-	-	-
Creeper speeds - Additional 12F/12R Creeper speeds		○	○	-	-	-
Supercreeper speeds - Additional 24F/24R Creeper speeds		○	○	-	-	-
Dyna-VT		-	-	Stepless, continuously variable transmission		
Field speed range				0.03 – 28 km/h Forward and 0.03 – 16 km/h Reverse		
Road speed range				0.03 – 50 km/h* Forward and 0.03 – 38 km/h Reverse		

## Power Take-Off (Rear)

Operation and control		Independent, electro-hydraulic with rear fender-mounted start/stop control and headland automation. In-cab control lever				
Speed change: Shiftable, flanged In-cab/external control		●/○	●/○	-/●	-/●	-/●

## PTO speed @ engine rev/min

540 rpm (6 spline shaft)	rpm	1980	1980	2100	2100	2100
1000 rpm (21 spline shaft)	rpm	2000	2000	2100	2100	2100
Ground speed PTO		○	○	-	-	-
Economy PTO , 540 or 1000 rpm	rpm	○ /1550	○ /1550	○ /1520	○ /1520	○ /1520
Shaft diameter		35mm (1 <sup>3</sup> / <sub>8</sub> in)				

● = Standard  
○ = Optional

- = Not applicable/available

▲ = Depending on market/legislation

⊕ = ISO TR 14396 (EG 97/68 values are comparable to ISO values +/- 0.5%)

† = Optimum specific fuel consumption (Manufacturer's test)

\* = Fender width complying with 50 km/h maximum road speed legislation

\*\* = Depending on market/legislation

		MF 6445 <i>Dyna-6</i>	MF 6455 <i>Dyna-6</i>	MF 6460 <i>Dyna-6</i>	MF 6465 <i>Dyna-6</i>	MF 6470 <i>Dyna-6</i>
<b>Front power take-off and linkage</b>						
MF IFLS - Integrated Linkage System		-	-	-	○	-
'Standard' linkage system		○	○	○	-	○
Operation and control		Independent, electro-hydraulic. 6 or 21 spline, 35mm (1 <sup>3</sup> /sin) diameter PTO shaft. 1000 rpm @ 2040 engine rpm				
Linkage lift capacity	kg	2500	2500	2500	2800/4000	2500
<b>Linkage and hydraulics</b>						
Linkage control		Electronic control of draft, position, Intermix, height/depth, rate of drop, 'quick soil engagement' and Active Transport Control				
Max oil flow/pressure Open Centre Closed Centre (load sensing)	litre/min /bar litre/min /bar	○ 57/200+33/17 ○ 110/200	○ 57/200+33/17 ○ 110/200	○ 57/200+33/17 ○ 110/200	○ 57/200+33/17 ○ 110/200	○ 57/200+33/17 ○ 110/200
Lower links		Quick-attach, hook end with Cat. 2/3 balls and cones				
Maximum lift capacity, at link ends	kg	5850/7100	5850/7100	5850/7100	7100	5850/7100
<b>Auxiliary hydraulics</b>						
Spool valves, type	○	Single/double acting mechanical Spool valves				
- number	○	Up to 4, mechanical Spool valves				
Optional, CCLS models only		Spool Valve Management System (SMS) with up to 4 electro-hydraulic Spool valves				
<b>Steering</b>						
Type		Hydrostatic, balanced, with tilting, telescopic steering column				
Auto-Guide - Automatic steering system		○	○	○	○	○
<b>Brakes</b>						
Oil cooled disc brakes, hydraulic actuation with power assistance		-	-	○	●	○
Oil cooled disc brakes, hydraulic actuation less power assistance		●	●	●	-	●
Trailer brakes		Hydraulic, pedal-operated				
<b>4WD Front axle</b>						
Differential lock		Hydralock (full engagement/disengagement), with automated control				
QuadLink suspended axle		○	○	○	○	○
<b>Standard wheels and Tyres</b> (A full range of agricultural and industrial wheels and tyres is available. Please consult your Dealer)						
Front, welded rims (agricultural tyres)		13.6R24	13.6R28	13.6R28	14.9R28	14.9R28
Rear, welded rims (agricultural tyres)		16.9R34	16.9R38	16.9R38	18.4R38	18.4R38
Wheel weights (industrial wheels only)	○	Up to 450 kg left-hand side wheel				
<b>Track adjustments</b> (with standard wheels and tyres)						
Front - 2WD (not available in UK)	m	1.54-2.33 ○	1.54-2.33 ○	1.54-2.33 ○	-	-
Front - 4WD/QuadLink	m	1.67-1.92	1.67-1.92	1.67-1.92	1.67-1.92	1.67-1.92
Rear	m	1.59-1.94	1.59-1.94	1.59-1.94	1.70-1.95	1.70-1.95
<b>Weights and dimensions</b> (approximate, with standard wheels and tyres, 4WD model, less fuel)						
Weight minimum, no ballast	kg	4150	4220	4570	5240	4610
<b>Dimensions</b> (Less front weights)						
Overall length, to lower link ends	m	4.25	4.25	4.32	4.79	4.32
Overall height - over cab	m	2.78	2.82	2.82	2.90	2.86
Minimum width	m	1.98	1.98	1.98	2.28	2.28
Wheelbase	m	2.55	2.55	2.67	2.82	2.67
Turning circle; diameter, less brakes, 2WD/4WD	m	7.4/8.4	7.4/8.4	7.7/8.9	-/9.6	-/8.4
<b>Capacities</b>						
Fuel tank capacity	●/○ litre	130/190	130/190	145/190	270/-	145/190

Front power take-off and linkage		MF 6475 <i>Dyna-6</i>	MF 6480 <i>Dyna-6</i>	MF 7465 <i>Dyna-VT</i>	MF 7475 <i>Dyna-VT</i>	MF 7480 <i>Dyna-VT</i>
MF IFLS - Integrated Linkage System		○	○	○	○	○
'Standard' linkage system		-	-	-	-	-
Operation and control		Independent, electro-hydraulic. 6 or 21 spline, 35mm (1 <sup>3</sup> / <sub>8</sub> in) diameter PTO shaft. 1000 rpm @ 2040 engine rpm				
Linkage lift capacity	kg	2800/4000	2800/4000	2800/4000	2800/4000	2800/4000
<b>Linkage and hydraulics</b>						
Linkage control		Electronic control of draft, position, Intermix, height/depth, rate of drop, 'quick soil engagement' and Active Transport Control				
Max oil flow/pressure Open Centre Closed Centre (load sensing)	litre/min /bar litre/min /bar	○ 57/200+33/17 ○ 110/200	○ 57/200+33/17 ○ 110/200	- ● 110/200	- ● 110/200	- ● 110/200
Lower links		Quick-attach, hook end with Cat. 2/3 balls and cones				
Maximum lift capacity, at link ends	kg	7100/○ 8000	7100/○ 8000	7600	7600	8600
<b>Auxiliary hydraulics</b>						
Spool valves, type	○	Single/double acting mechanical Spool valves		SMS + joystick: electro-hydraulic/mechanical		
- number		○ 3	○ 3	● 2/1	● 2/1	● 2/1
- number	○	Up to 4, mechanical Spool valves		N/A		
Optional, CCLS models only		Spool Valve Management System (SMS) with up to 4 electro-hydraulic Spool valves				
<b>Steering</b>						
Type		Hydrostatic, balanced, with tilting, telescopic steering column				
Auto-Guide - Automatic steering system		○	○	○	○	○
<b>Brakes</b>						
Oil cooled disc brakes, hydraulic actuation with power assistance		●	●	●	●	●
Oil cooled disc brakes, hydraulic actuationless power assistance		-	-	-	-	-
Trailer brakes		Hydraulic, pedal-operated				
<b>4WD Front axle</b>						
Differential lock		Hydralock (full engagement/disengagement), with automated control				
QuadLink suspended axle		○	○	○	○	○
<b>Standard wheels and Tyres</b> (A full range of agricultural and industrial wheels and tyres is available. Please consult your Dealer)						
Front, welded rims (agricultural tyres)		14.9R28	16.9R28	14.9R28	14.9R28	16.9R28
Rear, welded rims (agricultural tyres)		18.4R38	20.8R38	18.4R38	18.4R38	20.8R38
Wheel weights (industrial wheels only)	○	Up to 450 kg left-hand side rear wheel				
<b>Track adjustments</b> (with standard wheels and tyres)						
Front - 2WD (not available in UK)	m	-	-	-	-	-
Front - 4WD/QuadLink	m	1.67-1.92	1.67-1.92	1.62-1.97	1.62-1.97	1.75-1.87
Rear	m	1.76-2.02	1.76-2.02	1.62-2.00	1.62-2.00	1.67-2.00
<b>Weights and dimensions</b> (approximate, with standard wheels and tyres, 4WD model, less fuel)						
Weight minimum, no ballast	kg	5400	5470	5815	6060	6345
<b>Dimensions</b> (Less front weights)						
Overall length, to lower link ends	m	4.79	4.79	4.79	4.79	4.79
Overall height - over cab	m	2.90	2.94	2.90	2.90	2.94
Minimum width	m	2.28	2.28	2.55*	2.55*	2.55*
Wheelbase	m	2.82	2.82	2.82	2.82	2.82
Turning circle; diameter, less brakes, 2WD/4WD	m	-/9.6	-/10.0	-/9.6	-/9.6	-/10.0
<b>Capacities</b>						
Fuel tank capacity	●/○ litre	270/-	270/-	270/-	270/-	270/-

● = Standard  
○ = Optional  
- = Not applicable/available

▲ = Depending on market/legislation  
✱ = ISO TR 14396 (EG 97/68 values are comparable to ISO values +/- 0.5%)

† = Optimum specific fuel consumption (Manufacturer's test)  
\* = Fender width complying with 50 km/h maximum road speed legislation

# MF 6400/7400 highlights

Here's a quick reminder of some of the advanced features of the MF 6400/7400 Series tractors that further enhance their place firmly within the medium horsepower sector.

- 01** Highly efficient, powerful diesel engines, built using the latest technology to produce maximum torque, outstanding fuel economy and lower emissions.
- 02** Choose from 10 models in the 100-170 hp category to get precisely the right tractor for your farming business.
- 03** Spacious, exceptionally quiet cab, combines with sector-leading levels of comfort to create a relaxing, stress-free working environment for the operator.
- 04** MF 6400 Series tractors have the renowned Dyna-6 semi-powershift transmission, while the 7400s deliver the power via the unbeatable Dyna-VT continuously variable transmission.
- 05** Available with Datatronic III, video capability and ISOBUS compatibility, together with the most comprehensive, yet simple headland management system.
- 06** Smooth, modern styling in line with the new Massey Ferguson 'family' design.
- 07** Transport boost on most models means 50km/h\* can be achieved when undertaking road work, reducing journey times and raising operator productivity.
- 08** New front axle support casting and 'structural' engine sump to allow fitting of the fully integrated front linkage and PTO system.

\* Depending on market/legislation.



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