

8600 Series | 200 275 PTO HP Tractors
(240-320 Gross Engine HP)



MASSEY FERGUSON

There's never been a tractor,
or a feeling, like it.

Absolutely
exhilarating.

And
that's just
getting into
the cab.







I am the frontier. And the dust bowl. And abundant waves of grain.

I am six generations of farmers, looking forward to sunrise.

And six generations, working into the night.

The Spirit of the Brand

I am the next crop. The next harvest. The next opportunity.

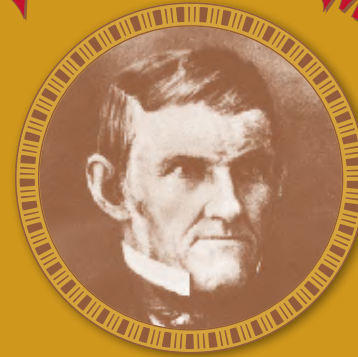
Your tractor. Your tool. Your edge.

I am your independence.

I am Massey Ferguson.

The heart of the farm. And the joy in the work.

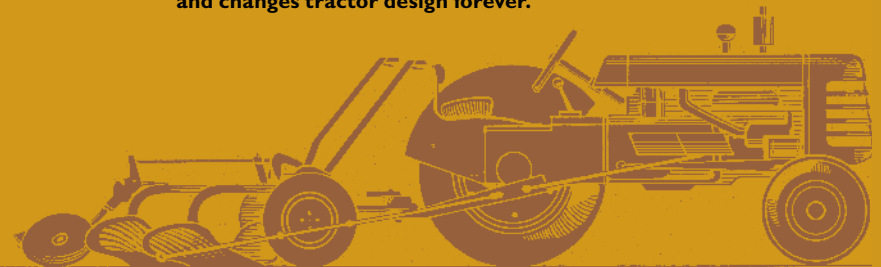
1847
MASSEY MFG. COMPANY



In a tool shed in Newcastle, Ontario, Daniel Massey begins what will become Massey Ferguson – the same year Thomas Edison, Joseph Pulitzer and Jesse James were born.

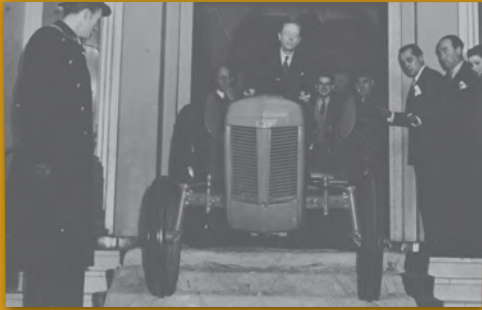
1926

Harry Ferguson patents the 3-point hitch and changes tractor design forever.



Massey Ferguson produces the first 4-wheel drive tractor.

1930



The grey Ferguson TE20 tractor is introduced – a classic of the 20th century.

1987

Massey Ferguson introduces the exclusive Autotronic System of electronic control for many tractor functions. The Datatronic System is also introduced.

1946

Massey Ferguson adopts ISOBUS technology, becoming a leader in achieving “plug & play” capability with other ISOBUS-compatible equipment.

2006



Massey Ferguson becomes the world’s best-selling tractor brand – and still is.

1962



Massey Ferguson introduces the MF8600 Series. Our most powerful, technically advanced tractor ever – and the first in the world to offer e3 clean air technology.

1969

Massey Ferguson introduces the industry’s first V8-powered fixed frame row crop tractor, the MF1150.

2009

TABLE OF OPPORTUNITIES

Introduction	p. 6
Highlights	p. 8
Cab/comfort	p. 10
Cab/control	p. 12
Power	p. 14
e3 clean air technology	p. 16
Dyna-VT™ transmission	p. 20
PTO/3-point hitch	p. 24
Hydraulics/loaders	p. 26
Command systems	p. 28
AUTO-GUIDE ² ™	p. 30
Options	p. 32
Specifications	p. 34
Servicing, service, financing & web support	p. 36

We couldn't have
done it without you.

Welcome to our all new Massey Ferguson® 8600 Series – the tractors you would have built, if you could design and work with some of the finest engineers in the world.

In a way, you did help build them, because our design strategy involved farmers every step of the way. We asked working producers to evaluate our designs. We asked them to test drive our prototypes. We were determined to find out which features worked best. Which didn't. And what would work even better.

So we listened – carefully. Then we added bigger, quieter cabs, improved fuel economy, more advanced engine management and breakthrough transmission technology. We adjusted. We redesigned. We innovated. And we improved these tractors again and again. Until we delivered a combination of power, comfort, technology and pure performance that literally no other tractor can match.

Our new Massey Ferguson 8600 Series. The best of everything.

That's not a wish – it's a promise.



MODEL	ENGINE	DISPLACEMENT	HORSEPOWER	TRANSMISSION
8650	6-cyl. Turbo/Intercooled	8.4 L (514 cu. in)	205 PTO hp (152.8 kW)	Dyna-VT
8660	6-cyl. Turbo/Intercooled	8.4 L (514 cu. in)	225 PTO hp (167.7 kW)	Dyna-VT
8670	6-cyl. Turbo/Intercooled	8.4 L (514 cu. in)	250 PTO hp (186.4 kW)	Dyna-VT
8680	6-cyl. Turbo/Intercooled	8.4 L (514 cu. in)	275 PTO hp (205 kW)	Dyna-VT



Now you'll see everything. Absolutely everything.

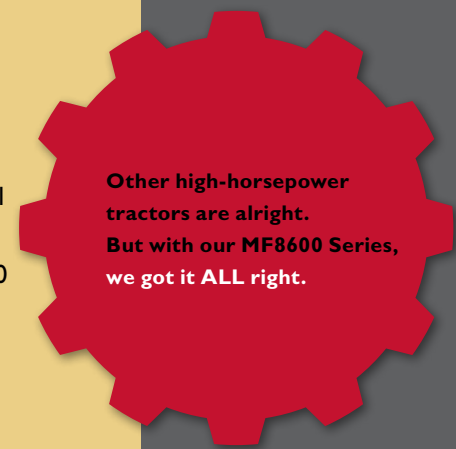
- The most powerful row crop tractor available
- The largest, roomiest cab in its class
- Visionary control arm technology
- The quietest cab interior sound rating
- Unparalleled picture window visibility
- The most efficient transmission in the industry
- The most advanced clean air technology
- State of the art Dynamic Tractor Management system
- The highest capacity 3 point hitch in its class

Performance without precedent.

This isn't just big news. It's huge – like these massively powerful tractors themselves.

They promise seriously heavy-duty capabilities that include a range of features and benefits that are completely unprecedented. While technologically advanced and exceptionally responsive, they're also simple to operate. They're strong and stylish. They're comfortable and stress-free. They're economical to run and low in emissions. They even require less maintenance while delivering more output.

Maybe that's why leading farming journalists across Europe have already recognized one of the MF8600 Series models with a "Golden Tractor" award in design and named it "Tractor of the Year 2009".



Other high-horsepower tractors are alright. But with our MF8600 Series, we got it **ALL** right.

Permission to feel proud.

Farmers don't just love driving their tractors. They love farming. That feeling of accomplishment. The contentment in knowing they're doing something positive for the world today and for future generations. Then, of course, there's the pride in their equipment.

When we brought together engineers and designers from four countries to create the all new Massey Ferguson 8600 Series, we gave them one simple, but overriding challenge – to make this a tractor any farmer would be proud to own. Here are twelve reasons you undoubtedly will be.

- 1 New higher horsepower ratings**
Massey Ferguson has extended its range into a new power sector – up to 275 PTO horsepower.
- 2 New ergonomically designed, larger panoramic cab**
It's the roomiest cab in its class, with 28 percent more interior cab space than its predecessor, the MF8400 Series. A clean, four-post structure and more than 67 sq. ft. (6.2 m²) of glass mean unequalled visibility. A purposeful layout and superb, intuitively placed instrumentation complete this extraordinary work environment.
- 3 New Dynamic Tractor Management (DTM) coupled with Dyna-VT transmission**
This cooperative combination works like a dream, providing clutchless operation as well as the ability (when DTM is activated) to control both the engine speed and transmission ratio automatically. This allows the engine to run at lower speeds, reducing fuel consumption.
- 4 New-generation styling**
Smooth, curved lines give the 8600 Series a powerful, dynamic new look. The streamlined, one-piece hood allows easy tilt-up access to the engine.
- 5 New chassis structure**
A rugged chassis-rail frame, combined with a new sculpted front axle support casting provides a solid foundation for the MF8600 Series and allows a tight turning radius.
- 6 New heavier front axle**
Our heavy-duty front axle features larger final drives and the muscle to handle larger draft loads and weight. QuadLink™ axle front suspension is also available as an option.
- 7 New AGCO SISU POWER® engine**
Designed not only to meet upcoming emission standards, but to do it more economically than ever before. Our new 8.4L CTA engine works hard to satisfy you and Mother Nature.
- 8 New e3 Selective Catalytic Reduction (SCR) technology**
This thoroughly proven process converts the Nitrogen Oxide (NO_x) gasses that normally exit the exhaust into nitrogen and water, making it the cleanest tractor in the industry.
- 9 New front 3-point hitch option**
Our innovative front axle support casting allows the use of a fully integrated 3-point hitch that's stronger and more compact, improving lift capacity and ground clearance. This new design also provides the option of a 1,000-rpm PTO.
- 10 Headland Management & Control Center Display**
The most comprehensive headland management system in the industry allows multi-function operation of up to 35 commands at the push of one button, improving productivity while reducing fatigue.
- 11 New SpeedSteer**
Just another way Massey Ferguson is giving you more control than ever. Simply adjust the steering ratio and select the number of steering wheel turns required for a given amount of front wheel turn.
- 12 New OptiRide hydraulic cab suspension system**
Our MF8600 Series delivered a smooth, comfortable ride to begin with. Then we added a new cab suspension system that uses hydraulic rams and accumulators to further cushion the ride. Choose either semi-active or standard reactive damping.



The MF8600 Series is designed to enhance your productivity. And your quality of life.

Think you love farming now? You haven't seen anything yet.

Step into the totally new MF8600 Series panoramic cab and you'll fall in love with farming all over again. It's literally the largest, roomiest, quietest most technologically advanced cab in the business. Almost 1/3 more interior space than its predecessor, with 67 sq. ft. (6.2m²) of room to work, 67 sq. ft. of glass, and the quietest sound rating in the industry at just 71 decibels.

Our new four-post design, with its wide door and curved glass provides an awesome 360-degree view, even without video assist. A standard air-suspended swivel seat offers eight different adjustments, including lumbar support and automatic weight adjustment, for exceptional comfort.

The standard lighting package includes eight halogen field lights and provides excellent nighttime visibility. Or, step up to the optional NightBlaze lighting system, which provides a brighter, whiter light for better illumination.



These cabs are designed to help you stay in touch with your work. And your life.

Super deluxe seat option

For enhanced ride comfort, choose the optional "low-frequency" super deluxe seat. In addition to double pneumatic lumbar support and eight different adjustments, it features internal heating for cold winter days and an active carbon seat covering that absorbs moisture to help you feel cooler on hot summer days.

Solar energy for extra power

A new solar panel, located on the cab roof is just another cost-effective and environmentally friendly way to get the most from your machine. The solar panel is designed to compensate for any natural battery loss.

Reduce your turning effort with SpeedSteer.

Now making turns at the headlands is even quicker and requires less effort with our new, standard, SpeedSteer feature. A potentiometer allows you to adjust the number of steering wheel turns needed for the same angle of turn on the front wheels, while a rocker switch allows the system to be turned on and off as needed.

New hydraulic OptiRide cab suspension

Available on all MF8600 Series models, our new OptiRide cab suspension uses an innovative hydraulic damper and accumulator system on each corner of the cab for an unsurpassed ride. Lateral movement is controlled by a torsion bar between the two rear mounting points. The OptiRide system is standard. Or choose optional OptiRide Plus dynamic suspension, featuring adjustable damping, for an even smoother ride.

QuadLink suspension offers multiple benefits

Certainly our QuadLink Suspended Front Axle system offers enhanced ride comfort – reducing vibration by 50 percent or more when combined with OptiRide cab suspension. But there are lots more reasons you'll appreciate it. Besides being required for stability in combination with the 30-mph (50 kph) Dyna-VT transmission, one of the most valuable benefits is the increased traction and efficiency via reduced power hop and wheel slippage. QuadLink automatically maintains a constant suspension height, regardless of axle load, to reduce shock load and keep the front tires in contact with the ground. That translates into more acres per day and less wear on the tractor for lower ownership costs.



The solar panel uses only 100 percent renewable energy and will maintain battery longevity.



The optional Automatic Climate Control system automatically adjusts the fan and temperature controls to maintain a specified temperature.



More than 67 square feet (6.22 m²) of glass area, along with the contoured, sloping hood; a new sculpted frame, and side mounted exhaust provides a panoramic view of the field.



The world at your fingertips is no longer just an expression.

A highlight of the MF8600 Series is the redesigned, seat-mounted control arm that puts all key functions – including electronic control of up to six hydraulic remote valves – literally right where your fingertips want them to be. The control arm also includes an advanced ISOBUS-based Control Center Display, which now includes video capability, as well as integrated control of any ISOBUS-compliant equipment.

All major tractor and implement controls are sensibly located on the overhead roof liner, by the right B pillar/right console or on the seat-mounted control arm that moves with the operator. That includes the new Control Center Display that provides a user-friendly interface with a wide variety of tractor and implement functions – which means you don't need to aim for a moving target when changing settings on the go.



Better than anything else. Better than ever before.

Built with the help and advice of farmers like you, our MF8600 Series incorporates a wealth of standard features to improve comfort and efficiency.

Plenty of adjustable vents, including new low-level vents, provide excellent air distribution and accurate temperature control.

The redesigned dash features a slim profile, for improved forward ground visibility.

A handy lighting touchpad, located on the right-hand B pillar, clearly indicates which outside tractor work lights are on and which are off.

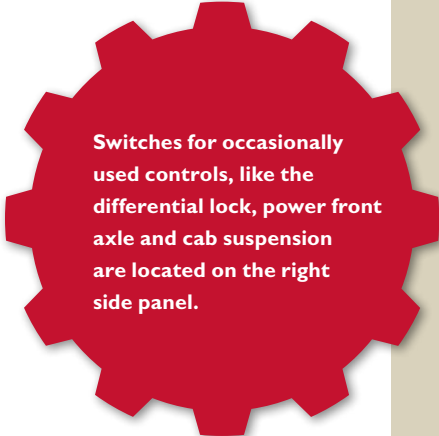
Additional connections near the right-side floor include an additional 12-volt outlet for monitors and accessories along with an ISOBUS connection.

A roomy cab roof, designed for more headroom and better forward visibility, puts radio access and climate control within easy reach.

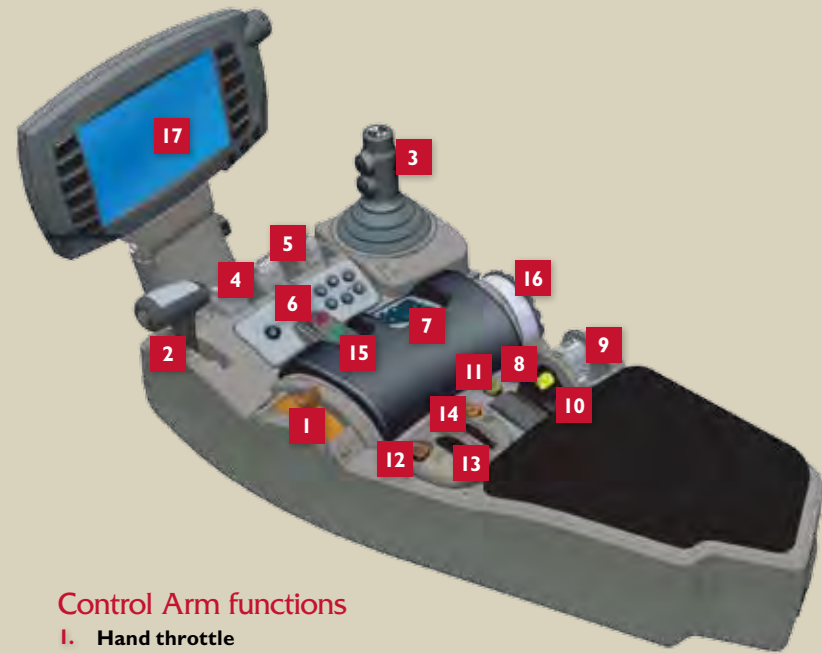
Electronic connections on the right-hand B pillar include a 12-volt outlet with its own switch; a cigarette lighter and an ISOBUS connection.

A larger field cooler and improved field office, along with a cell phone holder and 12-volt outlet keep you refreshed and productive.

Select options that further increase comfort, convenience and safety include beacon lights and power adjustable side mirrors with electric defrost.



Switches for occasionally used controls, like the differential lock, power front axle and cab suspension are located on the right side panel.



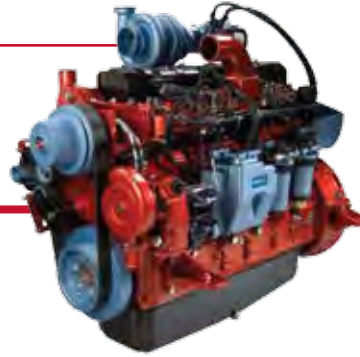
Control Arm functions

1. Hand throttle
2. Transmission lever
3. 4-function joystick (1st and 2nd valves)
4. 3rd and 4th spool valves
5. Optional 5th spool valve
6. Engine, transmission, hydraulics panel with buttons for headland management, engine speeds, front/rear spool valve selection, hydraulic lock, SV1 and SV2
7. Control Center Display navigation
8. Rear PTO auto
9. Front linkage control or 6th rear hydraulic valve
10. Rear PTO
11. Front PTO
12. DTM transmission mode switch
13. SV1/SV2 speed setting dial
14. Pedal/lever mode
15. Linkage lift/lower
16. Rear linkage height adjustment
17. Control Center Display (CCD)

MF8600 Series tractors provide constant power over a broad range of rpm for maximum efficiency and fuel economy.



A power plant that won't take no for an answer.



Although there is no direct translation, the Finnish word “Sisu” can roughly be interpreted in English as grit, guts or fortitude. But that’s close enough when you’re talking about the new 8.4-liter AGCO SISU POWER engine that is standard equipment in all MF8600 Series models.

Designed and hand-built in Nokia, Finland – where temperatures can fall to -40 degrees Fahrenheit and diesel can cost as much as \$6 per gallon U. S. equivalent – AGCO SISU POWER engines have evolved over more than 65 years of company innovation into an unbeatable combination of power, strength and fuel economy.

Equipped with Electronic Engine Management 3 (EEM3), AGCO SISU POWER engines maintain maximum torque between 1,185 and 1,550 rpm and deliver constant power down to 1,570 rpm to handle the toughest job you can dish out. Equally important, it works in perfect harmony with the highly efficient Dyna-VT transmission to ensure peak performance in a wide range of applications.

- A wastegate turbocharger with air-to-air intercooling ensures optimum inlet manifold pressure and a more thorough ‘burn’.
- Four valves per cylinder provide a better fuel/air mixture, optimum fuel combustion and a reduction in thermal loads at the top of the cylinder. It all translates into lower emissions, longer engine life and better fuel economy.

- Our single-piece, cast-iron block boasts exceptional structural strength and a narrow profile. When combined with the new sculpted frame, it results in a tight turning radius and a superior line of sight.
- The oil-cooled pistons have an additional cooling channel molded into the underside for enhanced heat reduction.
- Single-side servicing gets you into the field quicker and simplifies maintenance.

Full-authority Electronic Engine Management

Working in perfect unity with the electronic fuel injection system to provide quick and precise response to throttle movement, this EEM system is also in constant communication with the transmission. It continually adjusts the amount and intervals of fuel injected in relation to engine speed and load. The benefits are lower emissions, more power and exceptional fuel economy.

But wait – there’s more.

Introducing e3 clean air technology

In tandem with the electronic engine management system, our new e3 clean air technology means these AGCO SISU POWER diesel engines run better, stay cooler and last longer. Read on. We’d love to bring you up to speed.



Two speed control settings

Dual switches integrated into the EEM system allow the operator to pre-set two different engine speeds for instant recall. Engine speeds can be adjusted in increments of 10 rpm independent of hand throttle position.



New easy-open hood

Redesigned for optimum airflow, the new one-piece hood on the MF8600 Series lifts at the front for quick, easy access to the cooling system and front of the engine.



More efficient cooling

Our MF8600 Series cooling package allows the cooling units and heat exchangers to conveniently tilt up and away from each other for complete access and easy cleaning.



Compliance without compromise.

Finally, there's emission technology that complies with you. Because our MF8600 Series tractors offer the most farmer-friendly approach toward meeting upcoming EPA standards – without making trade-offs in power, productivity and operating costs.

With e3 you don't give up a thing.



- Uncompromised horsepower and torque
- Significantly improved fuel economy
- An easier, more efficient path to meeting EPA standards now and in the future
- With e3 technology, engines run cooler
- And e3 technology adds nothing to the price of the tractor

"I need technology that meets EPA standards. But first it has to meet mine."

Farmer on 3,000 acres in Nebraska

The hottest, coolest thing in clean air technology.

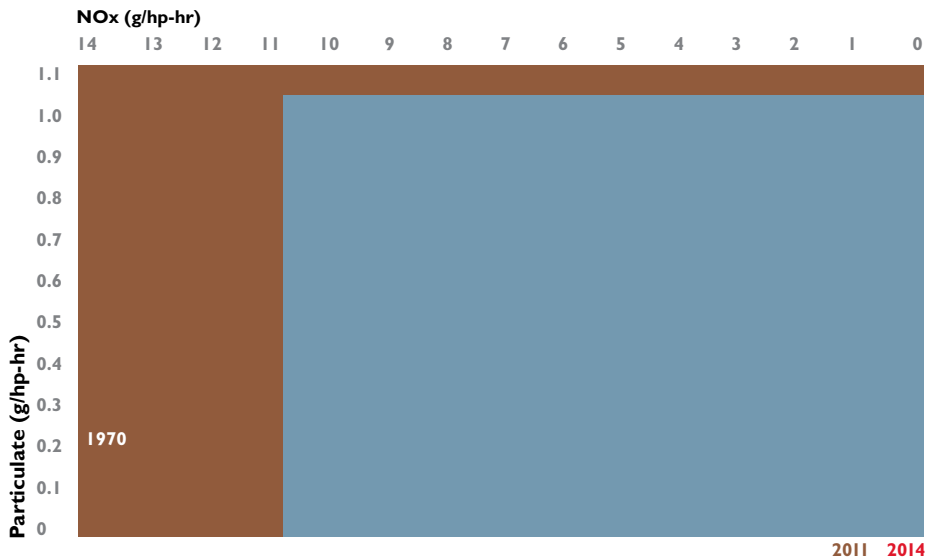
When most farmers think of meeting emission standards, they think of the trouble long-haul truckers have experienced with EGR (Exhaust Gas Recirculation) emission control. Loss of power, increased costs, reduced fuel efficiency and most troubling of all – excessive heat rejection.

The plain fact is that e3 is an SCR process (Selective Catalytic Reduction), not the EGR process that truckers had to deal with. It's entirely different technology that works for you, not against you.

Welcome to 2014.

EPA regulations are only getting tougher. Tier 4 interim standards must be met by 2011. And Tier 4 final standards by 2014. We're so sure that e3 SCR technology is the best way – the only way – to achieve those standards without sacrificing performance and fuel economy, that we can say it's virtually inevitable our competitors will end up taking the same path.

THE HISTORY — AND THE FUTURE — OF EPA STANDARDS



What lies ahead: This chart shows how EPA standards have grown progressively more stringent since the early days of emission regulation. Tier 4 interim requirements go into effect in 2011 and Tier 4 final standards must be met by 2014. At each step, reduced NOx and PM emissions are represented by a smaller rectangle.



Great minds think alike. Many of the finest engineering minds in the world agree that SCR technology is the way to go. Which is why it's been adopted by Mercedes®, Volvo® and BMW®.

Funny, it doesn't feel like you're saving the planet.



Cleaner air. Pure performance.

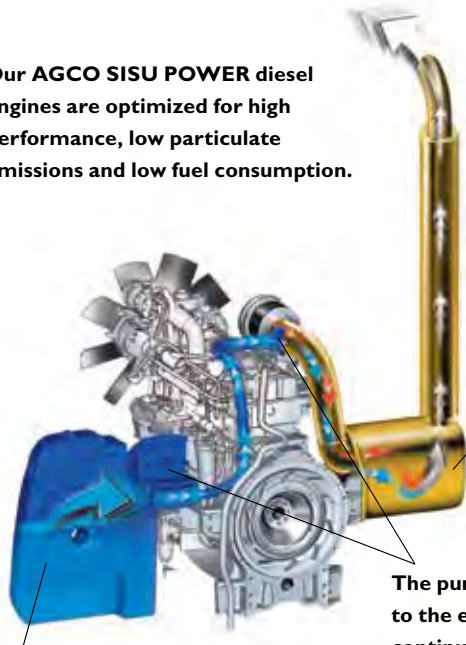
Our e3 version of SCR technology provides you with all the power you need, in the form of undiminished horsepower and torque and better fuel economy than our competitors – up to 15 percent better.

e3 treats the downstream exhaust with Diesel Exhaust Fluid (DEF), which breaks nitrogen oxides (NO_x) down harmlessly into nitrogen and water vapor. Believe it or not, the e3 process, along with electronic engine management, actually allows our AGCO SISU POWER diesel engines to perform better, run quieter, stay cooler and last longer. At current Tier 3 levels, consumption of DEF is about 2.5 to 3 percent of fuel consumption, depending on load.

As simple as it is effective.

Because e3 is a post combustion, after-treatment process that takes place in the exhaust system, it never interferes with the performance of the engine itself. The technology is simple, robust and reliable, consisting of very few parts. Main components include a tank, an injection system and an SCR catalyst chamber.

Our AGCO SISU POWER diesel engines are optimized for high performance, low particulate emissions and low fuel consumption.



Tank that holds Diesel Exhaust Fluid (DEF)

In the catalyst chamber, nitrogen oxides (NO_x) are transformed into harmless nitrogen gas and water vapor.

The pump and injection system unit reacts to the emissions output of the engine by continuously varying the amount of DEF added to the exhaust stream – effectively maintaining control of emissions released into the environment.

Real questions from real farmers.

Q: How can e3 reduce emissions, save fuel AND optimize power and performance? I don't get it.

A: The key to its success is the fact that it's a post combustion process. It stays out of the way of what the engine is built to do – provide power. After the exhaust leaves the engine, all that remains to be done is to reduce the nitrogen oxides (NO_x).

Q: What is the added cost to the tractor for e3 technology?

A: There is nothing added to the purchase price of a tractor with e³ technology.

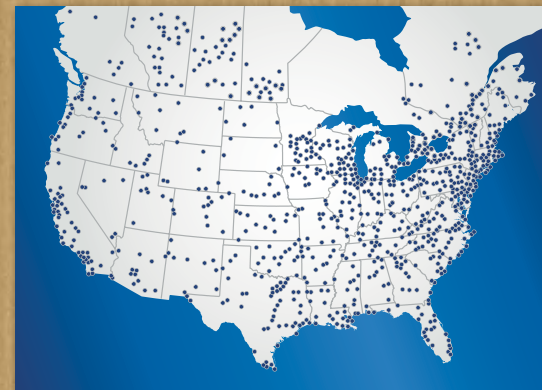
Q: How much money can e3 save me in fuel consumption?

A: Compared to competitive models, e3 technology delivers up to *15% in fuel savings. For example, if you normally consume 10 gallons per hour, use your tractor for 600 hours per year and assume \$2.70 diesel fuel, you would save an estimated \$2,430.00 per year. Visit www.agcocorp.com/e3 to calculate your potential savings.

* based on OECD tests of fuel consumption at Max. PTO Power (g/kW.hr).

Q: Will DEF be available in my area?

A: Absolutely. There are literally thousands of supply locations springing up across North America. Since the trucking industry has already adopted SCR technology as the inevitable path to Tier 4, availability at truck stops is spreading nationwide. AGCO will distribute DEF via its network of equipment dealers across North America.



DEF availability is widespread.

Transmission technology so advanced it makes 14-hour days fly.

Until now, nothing could beat the stepless speed control and efficiency of the Dyna-VT continuously variable transmission, with infinite speed control, from super-creep to transport speed without shifting, jerking or a delay in traction or power. But with our 8600 Series, Massey Ferguson introduces the new Dyna-VT with Dynamic Tractor Management (DTM). Simply put, DTM coordinates the engine and transmission to minimize rpms and optimize fuel efficiency.

Advanced Dynamic Tractor Management

DTM is what turns our MF8600 Series into “Smart Tractors” when coupled with our standard Dyna-VT CVT transmissions. Activate the DTM with the push of a button and choose your ground speed using the Dyna-VT transmission. Automatically, the DTM will dictate the most efficient engine speed, hold the ground speed, and maintain power under a load. So engine speed no longer dictates your ground speed with DTM. It’s technology that does your thinking, and automates the work so you can concentrate on other tasks at hand, all while knowing you’re preventing engine wear while optimizing power, fuel efficiency, and productivity.

Sophisticated yet simple

How much easier could it be? To operate the Dyna-VT, simply move the Power Control lever in the desired direction of travel, then push the armrest-mounted Dyna-VT lever. The farther you push the lever, the faster the tractor accelerates. To slow down, simply pull back on the Dyna-VT lever. Once you’ve reached the desired speed, release the lever and the technology of the Dyna-VT takes over.

Two speed ranges

Dyna-VT offers two infinitely variable speed ranges: 0 to 17 mph (0-28 kph) for field applications and 0 to 25 mph (0-40 kph) with the standard front axle or 0 to 30 mph (0-50 kph) with the QuadLink front suspension system.



- N** Neutral
- De-clutch
- Forward drive
- Reverse drive
- Change up ratio
- Change down ratio



The left-hand power control lever can be used to control both travel direction and ground speed when desired. The longer the lever is held in the “forward” or “reverse” position, the faster the speed. The same lever is also used to shuttle between forward and reverse without clutching. You can even pre-set forward and reverse take-off speeds.

Unlike some competitors, the Dyna VT does not require the use of clutch packs that are prone to wear.



Pre-set speed control

Travel speed and rate of acceleration can be pre-set and memorized within each of two ranges – SV1 and SV2. Each setting acts as a cruise control to maintain the specified speed when the appropriate button is depressed.



Instrument panel monitoring

The Dash Control Center Display screen on the left-hand side of the instrument panel provides information on a number of tractor functions, including forward/reverse take-off speeds, pre-set cruise speeds, pre-set engine speeds, actual ground speed, PTO speed, wheel slippage, etc.





Productivity a la mode.

There are plenty of reasons the Dyna-VT was recognized by the American Society of Agricultural and Biological Engineers (ASABE) with their AE50 award. But one of its most obvious advantages is its range of operating modes. Attaining the desired combination of ground speed and engine speed can be as simple as adjusting the throttle and advancing the control lever. But there are other options that make its efficiency and productivity even more manageable – if not automatic.

Pedal mode

To control ground speed, you can use the foot pedal to operate the tractor much like an automobile. This feature is ideal in applications like loader work or crop harvesting, which require a constant engine speed to maintain hydraulic flow or a set PTO speed.

Forager mode

This mode, in combination with the foot pedal, is ideal for jobs like baling hay or pulling a forage harvester, since it maintains a pre-set engine speed and maximum power. Should the machine encounter a heavy windrow or thick crop mat during operation, simply lift your foot off the pedal. Ground speed will be automatically adjusted without affecting engine speed or power to the PTO.

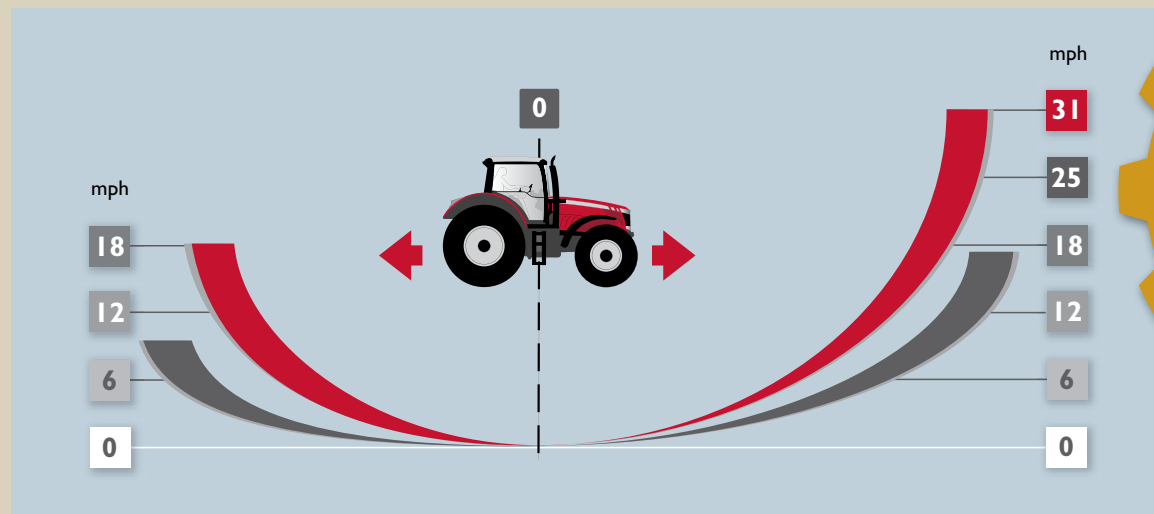
Engine supervisor

Working in conjunction with the Dyna-VT, the engine supervisor allows the operator to select the percentage of engine rpm loss allowed under heavy loads – up to 40 percent – before the transmission slows the ground speed. Once the engine has recovered, the tractor speed returns to the initial setting. This feature can also be used in conjunction with PTO-powered implements when maintaining engine speed is important.

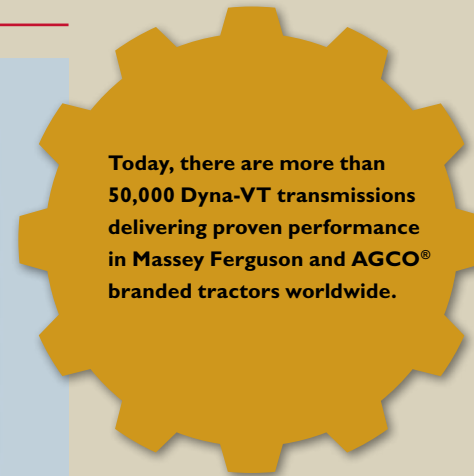
Dynamic Tractor Management (DTM)

As we mentioned earlier, we've increased the performance and efficiency to the MF8600 Series with the addition of DTM. In fact, as long as the system is activated via the DTM switch, you don't even need to move the throttle unless the application requires a minimum or maximum engine speed. Simply move the Dyna-VT control lever or foot pedal to attain the desired ground speed. The engine speed is automatically regulated between 800 and 2,260 rpm as needed, although it can be manually set for an upper or lower speed limit.

If less power is required to maintain the ground speed, the engine throttles back to compensate, saving fuel, reducing engine noise and extending service life. Conversely, the engine speed is automatically increased when the tractor encounters a heavy draft load or an uphill grade.



Two infinitely variable ranges cover all field and transport applications.





ATC operates in perfect unity with the QuadLink suspended front axle to provide exceptional stability when transporting or operating mounted implements.

Power, versatility and absolute control.

At the heart of these Massey Ferguson MF8600 Series tractors, power is what it's all about. And that power isn't just limited to putting horsepower to the drawbar. These rugged machines are also very proficient at directing up to 275 PTO horsepower to the rear of the tractor.

Standard dual-speed PTO

It's not often that you find a 1,000/1,000E PTO on a high-horsepower tractor – especially one with more than 250 PTO horsepower. But that's one indication of the exceptional versatility built into the MF8600 Series. Engagement is electronically controlled through a wet multi-disc clutch while PTO speed is digitally displayed on the dash panel for precise control of PTO-driven implements.

Economy PTO option

For 1,000 PTO demands that are lighter than normal, Massey Ferguson offers an economy PTO that allows the engine speed to be reduced by 23 percent from 1,970 to 1,605 rpm while still maintaining 1,000-rpm PTO shaft speed. Obvious benefits include reduced fuel usage and less noise and vibration.

Automated management

You can forget about the details and relax, with Massey Ferguson's unique Transmission Controller. In addition to monitoring and controlling PTO engagement in response to the load, which ensures better protection of the tractor and implement, it also takes care of the repetitive tasks of four-wheel-drive and differential lock operation.

Transmission Controller engages all-wheel-drive when you need it – like when braking and when the differential lock is engaged – and switches it off when you don't – when travel speed exceeds 8.7 mph (14 km/h).

The system also engages the differential lock (after initial manual engagement) each time the implement is lowered, when using independent brakes or when you're traveling less than 8.6 mph (14 km/h).

Highest capacity 3-point hitch

Harry Ferguson was well ahead of the curve when he introduced the world's first 3-point hitch more than 70 years ago. Today, Massey Ferguson has raised the bar again with the MF8600 Series.

With a lift capacity that's the highest in its class – 22,760 lbs. (10,323 kg) across the board on the Category 4/3N rear hitch – MF8600 Series tractors have the strength to lift the heaviest planters, harvesters and strip-till units.

But that's just the beginning. Digital electronic linkage control offers a choice of “draft-sensing mode” for quick response to changing field contours, or “position-control mode” for maintaining a preset height or depth.

Still the leader in electronic control

Our digital Electronic Linkage Control (ELC) system is unsurpassed in terms of accuracy, responsiveness, ease of use and reliability. The system also incorporates sensitivity, quick soil engagement and automatic drop speed as standard features.

All frequently used controls are mounted on the armrest console, while adjustment dials and selections are housed beneath a protective panel on the right-side console.

Active Transport Control (ATC)

Active Transport Control is integrated into the ELC system as standard equipment to help reduce shock loads and stabilize 3-point hitch loads during transport. As mounted equipment is being moved over the road or across the headland in the raised position, the hydraulic rams absorb the shocks that can impact both the ride and your control – automatically adjusting for different implement weights.

The ATC system can be controlled either manually or automatically linked to the ELC lift/lower switch. It is then activated when the implement is raised and deactivated when the implement is lowered.



Integrated front linkage

Take advantage of all the power the MF8600 Series has to offer with the optional Integrated Front Linkage System (IFLS). Fully consolidated into the tractor mainframe for greater strength and a more compact profile, the front 3-point hitch provides more than 11,000 pounds (5,000 kg) of lift capacity, which allows it to handle cultivators, plows, fertilizer tanks, etc.

IFLS equipment also includes a towing clevis, an electric power connector and two hydraulic remotes that provide 26 gpm (98 L/m) per valve of diverted flow from the rear remotes at the flip of a switch.

Add the front PTO option to handle a disc mower, snow blower or other powered implement. Easily engaged via a console-mounted rocker switch, the PTO features a 21-spine, 1,000-rpm shaft with clockwise rotation (based on NA standards).

Hydraulic power that's dedicated to the job.

It takes significant hydraulic power to handle today's big equipment. And that entails more than mere muscle to lift the load. With lift cylinders often positioned 20 to 30 feet out on an implement wing, it demands unmatched flow for quick response. Fortunately, the MF8600 Series is built to handle the hydraulic demands of both today and tomorrow.

Don't be fooled by competitors that list higher flow rates – because there's really no comparison. Instead of using just one pump to supply all the needs on the tractor, the MF8600 Series employs five separate pumps – including one each for the power steering circuit and Dyna-VT transmission, which means that all the pressure and flow from the hydraulic circuit pump is dedicated to the 3-point hitch and remotes.

Up to six hydraulic remotes

Equipped with a closed-center, pressure- and flow-compensated hydraulic system, MF8600 Series tractors provide flow to multiple functions at up to 46 gpm (175 lpm) and 2,900 psi (200 bar), with a maximum flow of 26.4 gpm (100 lpm) from any individual valve.

A single joystick on the armrest console provides control of two electrohydraulic proportional spool valves, while fingertip levers control two additional remotes. As an option, one or two additional remotes can be added with fingertip control.

Power beyond

A separate power beyond circuit, built into the hydraulic spool block, provides flow directly from the pump to operate a hydraulic-drive motor without utilizing the existing couplers.



Massey Ferguson offers a choice of more than 12 loader implements that attach without the use of tools.

Adaptable high-powered material handling

The true test of any tractor is its ability to handle a wide range of applications – whether it’s strip tilling row crops or loading round bales on a semi trailer. Which is why there’s a Massey Ferguson loader designed specifically for the MF8600 Series.

Thanks to its solid construction and integral fit, the model MF985 mechanical self-leveling loader ensures the performance, reliability and operator comfort that is demanded from a high-powered material-handling unit.

- The main loader arms are constructed of two U-shaped, high-strength alloy steel channels fitted together and welded on the inside for a 70-mm-wide profile with a clean, strong appearance.
- A centrally located valve unit – protected by the cross tube and hidden under a cover – connects all functions at one point for easier service and synchronized flow between the left and right sides, regardless of the load, oil temperature or hydraulic pressure.
- Loader mounting is fast and easy, thanks to our unique “Lock and Go™” connection system and a quick connection option, which groups all hydraulic couplers into a single block coupling.
- Responsive joystick control is already built into the MF8600 Series tractors via the RMS (Remote Management System) joystick located on the armrest console.
- Individually adjust the operating characteristics of all electrohydraulic spool valves, including those controlled by the joystick, using the dial and buttons on the control center display. Enable or disable “float” and accurately set ram extension and retraction, flow rates and kickout timing.



Implement hook-up is fast and easy, thanks to decompression couplers that allow hoses to be connected and disconnected under pressure.



The joystick is especially valuable for faster, more efficient loader work or when performing complex equipment commands during headland maneuvers.

Model MF985 Loader Specifications

Maximum lift height to pivot pin	189 in. (4.80 m)
Maximum rollback angle	40 degrees
Maximum dump angle	54 degrees
Lift capacity to maximum height @ pivot pins	5,335 lbs. (2,420 kg)
Lift capacity to max. height @ 31.5" forward of pivot pins	4,696 lbs. (2,130 kg)
Maximum breakout force @ pivot pins	7,319 lbs. (3,320 kg)
Lift time @ 15.6 gpm	8.5 seconds
Digging depth	8 in. (210 mm)



Welcome to command central.

The advanced, optional Control Center Display on the MF8600 Series supports you in virtually every way you can imagine. Working in conjunction with the standard ground radar, it offers more than 20 valuable monitoring, control and comparative functions, including wheel slip, fuel/hour, distance, cost/hour, area worked, etc.

The Control Center Display also includes the Implement Response Control System and Trailed Implement Control (TIC), which provide automatic wheel slippage monitoring to control both 3-point-hitch and drawbar-mounted equipment.

The end of cab clutter

Until now, dedicated terminals were required to monitor and control each different implement you hooked behind the tractor. But no more. The armrest-mounted Control Center Display is designed to monitor the performance of both the tractor and trailing implements through a common ISOBUS system. As a result, Massey Ferguson now offers a single terminal for control of all ISOBUS-compliant implements, including balers, planters, sprayers and more, saving you time, money, unnecessary installations – and annoying cab clutter.

One-button Headland Management

You have enough to think about when making turns at the headland. Simple to program and even easier to operate, Massey Ferguson's intuitive Headland Management system gives you the power to initiate and execute up to 35 tractor and implement functions with the touch of a single button. Examples include changing the transmission ratio, accelerating or decelerating the engine, raising and lowering the 3-point hitch, engaging and disengaging the PTO and raising and lowering an implement.

We offer more programmable actions and more ways of setting up a sequence than any other system on the market.

Sequence memory – Unlike other systems, the MF Headland Management system allows you to pre-program a sequence for those times when someone else will be behind the wheel.

Data recall – Using the keys and rotary dial on the control arm, Headland Management allows you to store, name and recall up to eight sets of data for different fields, operators or implements.

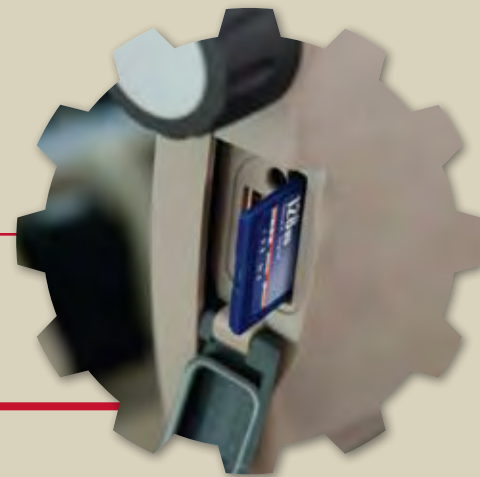
An SD memory card slot and USB port on the Control Center Display allow you to transfer data to your office computer or from tractor to tractor to speed implement set-up.

Trailed Implement Control (TIC)

Using ground radar to detect wheel slip, the TIC system works in conjunction with the remote valve management system, control center and the electronic linkage control to automatically adjust the working depth of sensor-equipped trailed implements to minimize slippage. In effect, the system maintains field speed and engine performance at optimum levels while reducing tire wear and fuel consumption.

Remote Video Cameras

Whether you're backing a manure tanker or keeping an eye on the level in a grain cart, there are times a remote video camera can be invaluable. Fortunately, the Control Center Display can be connected to an optional remote camera that can be mounted anywhere on the tractor or implement. The armrest-mounted display eases neck strain and provides a high-quality image that lets you monitor spots you can't see from the tractor seat.





AUTO-GUIDE² means incomparable accuracy.

Few options have the potential to provide a return on your investment as quickly as the MF AUTO-GUIDE² satellite navigation system. Whether your goal is to reduce skips and overlaps or to work at faster speeds, AUTO-GUIDE² lets you get more out of every pass by using satellite navigation to guide the tractor along parallel swaths – straight or contoured. Pass after pass, this hands-free steer-assist system brings a new level of control and productivity to your operation.

Reduced overlap helps save chemicals and seed for lower input costs.

Hands-free steering reduces fatigue and improves operator comfort.

Increased field operating speed helps you cover more acres per hour.

Efficiency and fuel economy are improved by maximizing the full width of the implement.

Unlike other guidance systems, AUTO-GUIDE² can utilize Galileo and GLONASS satellites in addition to GPS satellites, for greater coverage and fewer “black outs”.

AUTO-GUIDE² means superior flexibility

The flexibility to perform precision applications like bedding, planting, spraying and tillage are already built into the AUTO-GUIDE² satellite navigation system. You just need to decide on the accuracy level that best matches your operation. Unlike competitive systems AUTO-GUIDE² does not require costly software upgrades to change accuracy levels. The TopDock is capable of utilizing both Sub-Meter and Decimeter correction signals. To achieve centimeter accuracy a simple Snap-in Module fits in the bottom of the TopDock both enhancing terrain compensation and allowing it to communicate with RTK correction sources.

Sub-Meter System – +/- 10" pass to pass accuracy uses a free signal to reduce overlap and skips thus increasing efficiency and reducing operator fatigue.

Decimeter System – +/- 2-4" pass to pass accuracy to eliminate guess rows and to achieve a new level of accuracy in applications like ridge tilling, zero tillage, controlled traffic patterns and for increasing the accuracy of spraying and spreading operations.

Centimeter System – +/- 1" pass to pass and repeatable accuracy for operations that require more precision, such as cultivation, band spraying, zone tillage and laying sub-surface drip tape.

AUTO-GUIDE² means you're good to go

All MF8600 Series models can be ordered “AUTO-GUIDE² ready,” which means they have all necessary wiring harnesses and brackets pre-installed. Simply mount the TopDock on the cab roof and plug in the unit. You don't even need a separate monitor, since AUTO-GUIDE² operates through the Control Center Display monitor via ISOBUS technology. That also means AUTO-GUIDE² can be activated through the Headland Management system, allowing total “one-button farming”.



The AUTO-GUIDE² TopDock, which houses the GPS antenna and receiver can be easily transferred to any “AUTO-GUIDE² ready” machine.

Make the most of your options.

Options abound on the MF8600 Series, including everything from the front-mounted 3-point hitch and suspended axle to our super deluxe seat and AUTO-GUIDE² system. But then, Massey Ferguson has always been on the cutting edge of optional productivity, whether it's on the front of the tractor or back at the office.

Choose ballast options to improve your performance.

Whether you're running dual wheels or singles, using a loader or carrying heavy 3-point hitch loads, Massey Ferguson makes it easy to balance the weight distribution on each axle for peak performance. Ballast options include include 77 lb. (35 kg) wheel weight adapters for steel wheels, and 550 lb. (250 kg) wheel weights. Also offered are up to two dozen 121 lb. (55 kg) suitcase weights on the front rack and a choice of one or both of the 1,323 lb. (600 kg) and 1,984 lb. (900 kg) modular weights for attachment on the front 3-point hitch.


Choose trailer brakes to increase stopping control.

For heavy transport applications, all MF8600 Series models offer optional hydraulic or pneumatic trailer brakes for improved stopping power.

Choose GTA software to improve your management.

Attention to detail and accurate, efficient record keeping are essential requirements of any successful business. Farming is no exception. That's why data recorded on the Control Center Display can be transferred via memory card to the office computer.

As a result, this award-winning system has the potential to improve productivity via record keeping, data analysis and/or mapping. As standard equipment, the GTA100 Communicator package allows machine use and job data to be viewed, managed and exported to farm management programs. The information can also be integrated with other GTA software options, including GTA200 Record Keeping, GTA300 Mapping and GTA400 Precision Farming.



Inside and out, every MF8600 Series model is designed to do one simple thing – make your life easier.



TRACTOR MODEL	MF8650	MF8660	MF8670	MF8680
Engine Performance				
PTO HP @ 2,200 rated engine rpm (kW)	205 (151)	225 (168)	250 (186)	275 (205)
ISO engine HP @ 2,200 rated engine rpm (kW)	240 (177)	265 (198)	290 (216)	320 (239)
Maximum ISO engine HP @ 2,000 engine rpm (kW)	270 (199)	295 (220)	320 (239)	350 (261)
Engine				
Rated speed (rpm)	2,200			
Maximum torque rise	54%			
Maximum power bulge	15%			
Type - standard	AGCO SISU POWER w/ e3 clean air technology			
- optional	AGCO SISU POWER IEGR			
Number of cylinder	6			
Aspiration	Turbocharged w/ air/air intercooler			
Type of cooling	Liquid cooling			
Displacement liters (CID)	8.4 (514)			
Compression ratio	16.7 : 1			
Fuel injection system	Bosch high pressure common rail, electronic injectors with variable injection timing and duration			
Fuel	Diesel			
Fuel filter	Replaceable oil filter			
Lubrication system	Gear pump at bottom of timing gear			
Starting aid	Thermostart			
Electrical System				
Alternator / battery (standard)	240 amps / 12V			
Alternator / battery (optional)	160 amps / 12V			
ISOBUS connector	50 amps			
Transmission				
Type	Dyna-VT with Dynamic Tractor Management (DTM) 25 mph (40 kph)			
Field speed range	0.02 - 17 mph Forward and 0.02 - 10 mph Reverse (0.03 - 28 km/h Forward and 0.03 - 16 km/h Reverse)			
Road speed range	0.02 - 25 mph Forward and 0.02 - 24 mph Reverse (0.03 - 40 km/h Forward and 0.03 - 38 km/h Reverse)			
Road speed range - 50 kph -optional	Optional - 0.02 - 30 mph Forward and 0.02 - 24 mph Reverse (0.03 - 50 km/h Forward and 0.03 - 38 km/h Reverse)			
Speed forward	Infinite			
Cruise control speeds	2			
Brakes and Final Drives				
Type of final drives	Inboard planetary			
Type of brakes	Wet disc			
Rear Axle				
4.33 x 118 in. (110 x 2,999 mm) long axle	Standard			
4.33 x 118 in. (110 x 2,999 mm) long axle with dual wheel provision	Optional			
4.33 x 118 in. (110 x 2,999 mm) long axle with dual wheel provision & spacers	Optional			
4.33 x 105 in (110 x 2,550 mm) short axle	Optional			
4.33 x 105 in (110 x 2,550 mm) short axle with dual wheel provision & spacers	Optional			
Differential lock - full-locking, electrohydraulic	Standard			
Front Axle				
2-wheel drive	N/A			
4-wheel drive differential lock	Standard - full-locking, electrohydraulic standard			
4-wheel drive engagement	Electrohydraulic			
4-wheel drive maximum steering angle	55°			
Quadlink front axle suspension	Optional			
Quadlink differential lock	Standard - full-locking, electrohydraulic			

TRACTOR MODEL	MF8650	MF8660	MF8670	MF8680
Steering Wheel				
Steering wheel	Tilt & telescopic			
SpeedSteer steering	Standard			
Hydraulics				
System type	Closed Center Load Sensing (CCLS)			
Total flow rate - US standard gallon (L)	46 (175)			
Maximum pressure PSI (bar)	2,900 (200)			
Available flow rate per spool valves gpm (L/min)	26.4 (100)			
Remotes - standard / optional	Standard - 2 fingertip spool valves and 2 joystick spool valves Optional - up to 4 fingertip spool valves and 2 joystick spool valves			
Hydraulic couplers	Decompression couplers with Connect / Disconnect under pressure function			
Three Point Hitch - Rear				
Category 3	Standard			
Category 4 (only with 20 spline shaft)	Optional			
Stabilizers	Sway block			
Maximum lift capacity at 24 in. (60 cm) lbs. (kg)	21,336 (9,678)			
Three Point Hitch - Front (Optional)				
Category 3	Standard			
Integrated front hitch	Standard with front three-point hitch			
Maximum lift capacity at link end lbs. (kg)	11,000 (5,000)			
Drawbar				
Category 3 with drop pin	Standard			
Category 3 heavy duty with drop pin	Optional			
Category 4 with drop pin	Optional			
PTO				
Speeds - standard rpm	1,000/1,000E			
Engagement	Electrohydraulic			
Shaft diameter in. (mm)	1¼ in. (45 mm) shaft, 20 spline			
Engine speed if PTO at 1,000 rpm	1,970			
Engine speed if PTO at 1,000e rpm	1,605			
Operator Area				
Cab glass area ft ² (m ²)	67.3 (6.22)			
Noise level dB(A)	71			
OptiRide hydraulic suspended cab	Standard			
OptiRide Plus hydraulic suspended cab	Optional			
Operator seat - air suspension	Standard			
Transmission control(s)	Right console / armrest			
Forward control(s)	Left hand control			
Control Center Display (CCD)	Optional			
Guidance System				
AUTO-GUIDE ²	Optional			
Dimension & Weight*				
Wheelbase in. (mm)	122 (3,100)			
Overall length in. (mm)	215.7 (5,480)			
Maximum height over cab in. (mm)	141 (3,584)			
Approx. shipping weight lbs. (kg)	24,250 (11,023)			
Capacity				
Fuel tank capacity US gallon (L) w/ e3 technology	155.9 (590)			
Fuel tank capacity US gallon (L)	182.3 (690)			
DEF (AdBlue) usable tank capacity US gallon (L) (optional)	8 (30)			

* All dimensions measured with Dual 520/85R46 rear tires and 1480/70R34 front tires

Less frequent servicing. More ease of access.

A farmer belongs out in his field, not under the hood servicing his tractors. With feedback from farmers like you, we've streamlined the upkeep of our new MF8600 Series like never before. For instance, we've increased the replacement interval on transmission oil and filters to every 1,200 hours and the engine oil change interval to 400 hours. Thanks to our new spring-loaded, one-piece hood, it's easier to get to the engine and cooling system, too. Simply lift the hood from the front and remove the side panels for access to all engine components, including the air filter, belts, alternator, air conditioning compressor, radiator fill and windshield washer fluid.

The ground-level fuel tank includes an oversized fuel inlet for easy access and reduced splash back. A standard 155-gallon tank capacity (590 L) on AGCO SISU POWER e³ SCR models makes fuel stops even less frequent (182.3 gal./690 L on AGCO SISU POWER models without e³ technology). Meanwhile, the 8-gallon (30 L) Diesel Exhaust Fluid tank holds enough material for two average days of work.



Two externally accessible cab air filters are easily changed and keeps the cab interior free of dust.



All 8600 Series models feature a new cassette type engine air cleaner, positioned at the front of the tractor, making service even less time consuming.



The batteries are easily accessible by removing a cover beneath the steps on the right side of the cab.



Hydraulic and powertrain oil indicator in the Dash Control Center of the tractor let you check the level at a glance.

**At Massey Ferguson, you're family.
And there's nothing we wouldn't
do for family.**



A great deal includes a great dealer.

If you're like most farmers, when you find your favorite tractor, it becomes almost like part of your family. And when you buy a Massey Ferguson tractor, you instantly become part of ours. Our network of dealers understands what owning a tractor really means. They'll advise and support you through the selection process, the buying process, through operation and maintenance.

Most importantly, your Massey Ferguson dealer is continually focused on minimizing your downtime – especially during critical times of the year – via parts availability and well-trained, competent mechanics. Because our dealers share your passion for farming, they're happy to share their knowledge to keep you working happy.

Our 2-year/2,000-hour warranty

Even our warranty is high performance, covering 2 years/2,000 hours on the engine and powertrain and our all-inclusive warranty on parts and labor. From grille to hitch pin, it's one of the best in the business, backed by dealers who understand how to help you make the most of it.

Quality parts

Massey Ferguson parts are manufactured to meet the same high standards of dependability as you'll find on every new 8600 Series tractor. Continued and consistent use of these quality parts will help keep your tractor running like new. Shop 24/7 on www.agcoparts.com.

Questions?

Go to www.masseyferguson.com

Our website opens the door to all sorts of technical information and product specifications. If you can't find what you're looking for, click on "contact us" and we'll provide you with access to folks who can get you all the answers.

AGCO Answers

(877) 525-4384

agcoanswers@agcocorp.com

At AGCO, customer care isn't just a department. It's a commitment. Contact us with your questions. We'll do our best to answer them promptly, or put you in touch with someone who can.



The doors are open at ShopMassey.com

You'll find all sorts of ways to live Massey Ferguson from the latest in wearables to gifts for the entire family. And some good old-fashioned bargains, too.



The Massey Ferguson Farm Life magazine is our exclusive publication that offers news, interviews and insights into all the joys – and challenges – of farming.

Join the clubs.

Ferguson Enthusiasts of North America has grown from just 59 members in 2001 to almost 600 members today. They publish a newsletter five times a year and hold annual get-togethers at well-known tractor shows. Join today, visit www.fergusonenthusiasts.com.

The Ferguson Club is an international, independent member's club established in 1986 to promote and disseminate information and interest in the work of the late Harry Ferguson, Ferguson products and in particular, the "Ferguson System." www.fergusonclub.com

The Friends of Ferguson Heritage Ltd. exists to encourage and assist enthusiasts in their interest in the engineering achievements of the late Harry Ferguson. www.fofh.co.uk

Tractor of the century. And a half.



Massey Ferguson. You could say we're the top two names in the business. After all, Daniel Massey practically invented the tractor business, and it seems like Harry Ferguson invented just about every thing else. Our MF8600 Series high-horsepower tractors are just another benchmark in a record of dependability and value that stretches back six generations. Considering our extensive warranty, our excellent financing and dedicated dealer support, you couldn't make a wiser investment.





MF8600 Series

www.masseyferguson.com



AGCO ANSWERS
(877) 525-4384 agcoanswers@agcocorp.com



Play It Safe. Work Safely.

© 2009 AGCO Corporation. All rights reserved. This document and all of its contents are owned exclusively by AGCO and are protected by copyright law. No portion of this document may be used, reproduced, extended, translated into another language, stored, or transmitted by any means, electronic, mechanical, photocopying, scanning, recording, or otherwise, without the prior written permission of AGCO.



Massey Ferguson is a worldwide brand of AGCO (877) 525-4384 • MF09029 (02) 40 PD

AGCO, Your Agriculture Company, is a premier manufacturer of agricultural equipment, providing high-tech solutions for professional farmers feeding the world. The company is dedicated to delivering superior customer service, innovation and quality. AGCO products are distributed in more than 140 countries worldwide.