MASSEY FERGUSON

140 - 175 HP
103 - 129 kW

MF7600 SERIES

Power, performance and efficiency

Discover the MF7600 Series

The MF7600 Series is built around our trademark standards of award-winning, innovative and advanced engineering. But that's only the beginning…

'Panorama' cab with side opening windows boasts an interior with exceptional ergonomic surroundings as well as plenty of space and comfort:

- Operator seat turns by an extra 20° for optimum operator comfort and greater visibility
- Curved windscreen for greater visibility
- Controls in right-hand pillar
- Instrument panel and console

Using 4th generation, Stage 2 AGCO POWER engines provide maximum performance without compromise

Unique Massey Ferguson styling offers a clean, ultra-modern look with excellent visibility

The cooling package has been designed to ensure ultimate engine efficiency and easy access

- The Dyna-6 transmission comes with Engine Power Management for extra power delivery in more demanding applications

Additional fuel tanks enable extra long working days

Optional Integrated Front Linkage System and optional front PTO for maximum productivity in the field

Optional 'Quadlink' front axle for increased ride comfort, control, output and performance

Power, performance and economy

Reliable, powerful and fuel efficient Tier II AGCO Power engines drive the MF7600 series, providing maximum productivity without compromise. Put less in and get more out.

The 4-valve, common rail AGCO POWER, Stage 2 compliant engine provides the ultimate in optimum power delivery, with the benefit of turbocharging and intercooling. Common rail technology ensures sufficient fuel is always available whatever the revs or load on the engine, maximising performance as the load changes.

Optimised performance across the rev range includes maximised power and minimal fuel consumption – meaning:

- Low engine noise, extremely smooth and efficient
- Very low specific fuel consumption across a wide rev range
- Low engine wear
- Exceptional power and torque maximises work rate

Intelligent engine management

All AGCO POWER engines feature the latest technology. The Electronic Engine Management (EEM) enables continuous adjustment of the amount and timing of fuel injected, in relation to engine speed and load.

Improved fuel economy

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

Designed for pure economy

Many factors will determine real fuel consumption (l/h or l/ha) in the field and on the road, for example the efficiency of the transmission and hydraulics system. The MF7600 offers the operator overall efficiency from the range of transmissions to the exceptional linkage control and dynamic hydraulic systems.

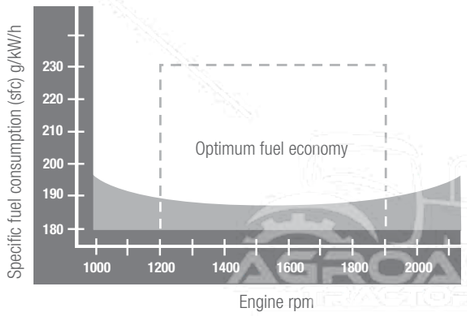
Low specific fuel consumption (192 g/kW/h) ensures minimal costs and low consumption across a wide rpm range.

Power you can trust

These Stage 2 engines have a low engine speed rating of 2,100 rpm. This means that under full throttle the engine will rev to 2,100 rpm. Maximum power occurs at 1,950 rpm compared to the previous 2,000. High power and torque at low rpm ensures high performance, excellent fuel economy and low engine noise.

Torque you can rely on

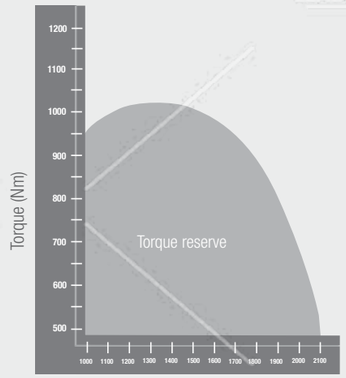
AGCO POWER engines have excellent torque characteristics to ensure that MF7600 Series tractors keep going when conditions get more difficult. This means that the forward speed is maintained and therefore output is maximised in all conditions.



Massey Ferguson's electronic engine management system broadens the operating range within which the tractor is operating at optimum fuel efficiency.

Outstanding fuel economy, torque and power

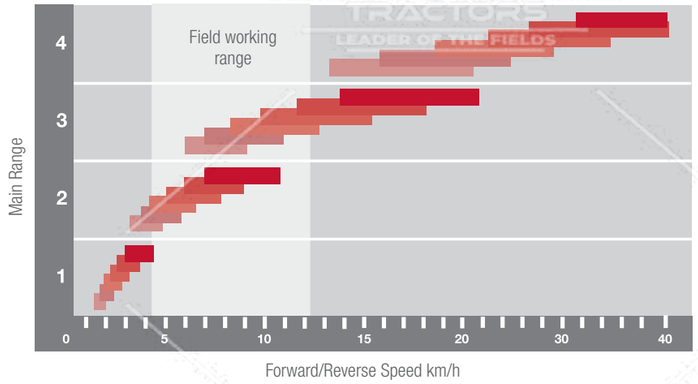
This curve clearly shows high power, with 'constant power' maintained down to 1,570 rpm.



This curve clearly shows how maximum torque is maintained between 1,200 and 1,500 rpm, with steep torque rise as engine rpm falls between 2,100 and 1,500 rpm for greater torque ability and constant PTO speed.

Dyna-6 Performance, refined

Dynamic performance comes as standard with the Dyna-6 transmission. And now, this ultra-reliable, semi-powershift gearbox is even more refined.



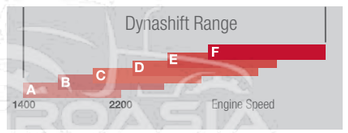
The original and best semi-powershift transmission in the field today, Dyna-6 combines effortless operation with complete efficiency to create an extraordinary operator experience.

Dyna-6 continues to offer all the essential features such as left-hand Power Control, AutoDrive, right-hand control, Speedmatching and variable shuttle take-up and is now available with Power Management.

Dyna-6, uniquely, provides a smooth, 6-speed Dynashift change in each of the four gears.

So you have a tremendous range of powershift flexibility over a wide speed range, giving maximum field performance.With the capability of both Dynashift and range changes being made under load, without the need to use the clutch pedal.

Dyna-6 comes with Eco as standard – reducing engine speed at max forward speeds providing a quieter drive and less fuel consumption.



The 40 km/h Dyna-6 Eco gearbox offers six Dynashift changes in each range, excellent speed overlap and maximum speed at 1,800 rpm
(1,900 rpm for the 50 km/h transmission).

Dyna-6 Benefits

- 6 Dynashift (powershift) ratios
- Maximum productivity with 24 forward gears and 24 reverse gears
- Power Control lever with three functions on one lever – Forward/Reverse shuttle, declutch, upshift and downshift
- Pedal-free operation
- 9 speeds between 4 km/h and 12 km/h
- 40km/h Eco speed as standard resulting in low engine RPM at full speed
- ECO feature allows top speeds to be achieved at low engine revs, offering a reduction in noise and fuel consumption
- Brake pedal pressure puts the transmission into neutral
- Reverse shuttle aggressiveness adjustment, separate adjustment for forward and reverse
- Aggressiveness adjustment for Dynashift (powershift) ratios

^ Optional

Your workspace. Our priority.

One of our main priorities has always been driver comfort and efficiency. Our cabs have been designed specifically to ensure the driver maintains high-levels of comfort, regardless of the application and hours spent in the seat.

Discover a more rapid approach to your working day. Each MF7600 cab offers impressive features which mean you can work at a satisfying pace and finish the job sooner. Access to the cab is easy thanks to specially designed steps. Once inside the cab you will find plenty of room and a comfortable, fully adjustable operator seat with increased swivel angle. The instrument panel displays analogue and digital information which is clearly visible to the operator at all times.

A redesigned cab shape offers superb all-round visibility. The combination of exhaust positioning, waisted bonnet design and large areas of glass ensures outstanding 360° visibility. A clear view from the rear window ensures safety and a clear view of attached implements.

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…both on the road and in the field.

More worklights

An early start or late finish is no problem with up to eight working lights on the cab roof, two on the rear fenders, two on the hand rails and four in the front of the bonnet, depending on specification levels. Xenon lights are available as an option.

EFFICIENT

Smooth, reliable, capable

The ‘Efficient’ cab package offers a similar pillar and new dash control centre but has a Command Control Armrest and ‘T’ lever, with a choice of either fingertip control spool valves or a Multifunction joystick. The most frequently used controls are in one place making operation straightforward thanks to clever ergonomics.

The Command Control Armrest can be specified with a multifunction joystick. When not required for use with a loader, for example, using the optional Datatronic 4, the buttons can be programmed to operate other functions including:

- Engine speed memory A/B
- 4 WD
- Diff lock
- Speed memory SV1 & SV2
- Headland turning
- AutoGuide
- SpeedSteer

The Efficient specification includes:

Dyna-6 Autodrive 40kph Eco
Command Control Armrest with ‘T’ lever
Closed Centre 110 l/min hydraulics
Standard air conditioning

Spool valves
Mixed, 2 electronic and 1 or 2 mechanical spool valves
Electronic with fingertips (standard) or Multifunction joystick (optional)

Optional
Suspended front axle
Mechanical spring cab suspension
Integrated front linkage and front PTO
Radar & slip control
Air brakes
Radar and wheel slip control
Datatronic 4 CCD
Automatic air conditioning
SpeedSteer
Telemetry ready
AutoGuide ready

Responsiveness is second nature

We have always been industry leaders when it comes to hydraulics and rear linkage control. Our three-point linkage system was named the most influential agricultural innovation and a milestone of our time by several independent farming magazines. It is the finest example of productivity, power and responsiveness for the operator in the field.

MEILENSTEINE DER LANDTECHNIK

Accurate draft control

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

Convenient controls

Frequently used controls and the ELC control panel are mounted near the operator for straightforward, accurate operation. The system incorporates advanced integrated features such as sensitivity, quick soil engagement and automatic drop speed as standard.

For faster implement attachment the rear linkage can also be operated from push buttons on each rear fender.

Auxiliary spool valves

Between two and four electro-hydraulic valves are fitted as standard. The Electronic Spool Management System enables complex equipment to be controlled with ease and precision.

Power beyond

Built into the CCLS spool block is the 'Power beyond' facility, which is available for both the front and rear of the tractor. Extra flow and return pipes provide oil flow directly from the pump, enabling additional remote spool valves to be connected.

Active Transport Control (ATC)

ATC dampens the forces acting on the

tractor when transporting or operating

mounted equipment at speed, achieving greater productivity, safety and comfort.

Highly specified rear axle and linkage

The rear axle and 3-point linkage are highly specified. Twin external lift rams, high visibility pick-up hitch and drawbar (depending on market), quick-attach hook top and lower links, external linkage control on both rear fenders, twin variable float telescopic stabilisers and three spool valves are all standard equipment. Rear linkage lift capacity can reach 7,100 kg.

Integrated Front Linkage System (IFLS)

MF7600 Series tractors are available with a fully integrated front linkage system.

Up to four front, hydraulic couplers provide hydraulic service for implements and with an overall lift capacity of 2,800kg, the MF7600 Series tractors' immense capability easily handles heavy-duty applications.

Exceptional braking performance

The MF7600 Series has an extraordinarily powerful and highly efficient braking system. All models are fitted with oil immersed, power-assisted disc brakes which give reassuring, fade-free braking, even under heavy loads.

Straightforward servicing – just how it should be

Servicing is straightforward and simple, taking the stress out of maintaining your tractor and leaving you with more time in the field.

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

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

The engine air filter is also very easy to access and clean

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

The cab air filter can be removed easily
for cleaning

Plenty of room to access radiators for cleaning

Customer Support

AGCO Customer Support – Providing local service to the global brand.

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 and 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

Standard and optional equipment

	Efficient
Engine	
6 Cylinder AGCO POWER	●
EEM Engine with memorised speed control	●
Engine Block Heater	❍
Transmission	
Power Control Shuttle	●
Right hand shuttle	❍
T lever on Control Centre	-
T lever on Command Control Armrest	❍
MultiPad lever on Command Control Armrest	-
Dyna-6 - 40kph Eco - Speedmatching & Autodrive	●
Supercreeper	●
Dyna-VT 40kph Super Eco with Dynamic Tractor Management (DTM)	-
Cruise speed control	●
Operator environment	
Standard Air Conditioning with manual adjustment	●
Automatic Air Conditioning / climate control	❍
Cool box	●
Automatic Air Suspended Swivel Seat	❍
Auxiliary Seat with Seatbelt	●
Radio Ready	●
Radio, CD, MP3, Equalizer, Bluetooth, USB, SD & Front Aux.	❍
Telescopic Large Side Mirrors	●
Telescopic Large Side Mirrors with Electric Adjustment and de-icing	-
Two opening doors	●
Mechanical Cab Suspension	●
OptiRide Plus Cab Suspension semi-active	❍
Visio Roof *	❍
Roof hatch *	❍
Radar and slip control	❍
CCD / Datatronic 4 with video and ISOBUS capability	❍
Trailer steering axle management	❍
Dual Control	❍
Headland Management System	❍
AutoGuide Ready	❍
SpeedSteer	❍
MFConnect	❍

	Efficient
Chassis and Hydraulics	
Mechanical controls of spool valves	-
Electrical and mechanical controls of spool valves	●
Electrical controls of spool valves	❍
Multifunction joystick	❍
Loader ready tractor with Multifunction joystick	❍
Electronic linkage controls with Active Transport Control	●
Auto PTO function	●
Auto 4-Wheel-Drive and Auto DiffLock functions	●
Telescopic stabilisers	●
Automatic stabilisers	❍
Integrated Front Linkage System	❍
Integrated Front PTO	❍
Electrical equipment	
Automatic Isolator switch	❍
ISO signal connector	●
External lift control on fenders	●
External PTO start / stop control on fender	●
Other equipment (specifications may vary by market)	
QuadLink – suspended front axle	❍* / ●
Pivoting front fenders	❍
Additional in-cab heater	❍
Hydraulic trailer brake	❍
Pneumatic trailer brake	❍

- Not available
● Standard specification
❍ Optional
* MF 7615 to MF 7618 Dyna-6
** Depending on market legislation

Specifications

		MF7614	MF7615	MF 7618
Engine				
Engine type		AGCO POWER engine		
No. of cylinders / no. of valves / Capacity	litre / no. / cm^3	6 / 4 / 6,600	6 / 4 / 6,600	6 / 4 / 6,600
Bore / Stroke		108 / 120	108 / 120	108 / 120
Aspiration		Turbo Intercooled		
Injection type		Common rail		
Fan type – Transmission Dyna-6		Vistronic		
Maximum hp @ 1,950 rpm	✪ ISO hp (kW)	140 (103)	150 (110)	175(129)
Rated hp @ 2,100 rpm	✪ ISO hp (kW)	130 (96)	140 (103)	165(121)
Maximum torque @ 1,500 rpm	✪ Nm	645	660	740
Specific fuel consumption*	g / kW/h	192	192	192
Fueltank capacity	litres	335	335	335
Transmission Dyna-6 40 km/h Eco				
Number of gears	Fwd x Rev	24 x 24	24 x 24	24 x 24
Min. speed @ 1,400 rpm	km/h	1.03	1.03	1.03
No. of speeds with supercreeper	Fwd x Rev	48 x 48	48 x 48	48 x 48
Min. speed with supercreeper	km/h	0.2	0.2	0.2
40 km/h Eco at engine speed	rpm	1,800	1,800	1,800
Maximum power with EPM	hp (kW)	155 (114)	175 (129)	200(147)
Max. power available @ PTO shaft (OECD, accuracy + /– 3%)	hp (kW)	115 (85)	135 (99)	165(121)
Maximum torque with EPM	✪ Nm	660	745	925

		MF7614	MF7615	MF 7618
Rear Linkage and Hydraulics				
Lower links type	Category	3	3	3
Maximum lift capacity, at link end	kg	7,100	7,100	8100
Hydraulic type		Closed Centre Load Sensing		
Maximum Flow	rpm	110	110	110
Maximum pressure	bars	200	200	200
Maximum no. of rear spool valves		4	4	4
Power Take-Off (Rear)				
540 / 1,000	rpm	1,980 / 2,030	1,980 / 2,030	1,980 / 2,030
540Eco / 1,000Eco	rpm	1,533/1,572	1,533/1,572	1,533/1,572
Shaft diameter	inches	1 3/8		
Front Linkage and Front Power Take-Off				
Lower links type		Independent, electro-hydraulic		
Maximum lift capacity, at ball end	kg	2,800	2,800	2800
Maximum No of front spool valves		2		
Engine speed @ 1,000 front PTO speed		1,920		
Weights and Dimensions (with standard wheels and tyres, without ballast, 4WD model less fuel)				
Weight	kg	6,200	6,200	6300
Overall height – from rear axle centerline to top of the roof	m	2.11	2.11	2.11
Overall length – from weight carrier to lower link ends	m	4.90	4.90	4.90
Wheelbase	m	2.88	2.88	2.88
Max. gross vehicle weight	kg	11,500	11,500	11,500
Cab noise level	dBa	70	70	70

- Not applicable/available.

* Manufacturer's testing.

✪ ISO TR14396.