



It can lift your
spirits, too.

Once a pioneer,
always a pioneer.

Daniel Massey was a family man, working man, businessman, inventor, tradesman, manager, entrepreneur and genius. In other words, he was a farmer. And since Massey Ferguson began, 160 years ago, farmers have been our only reason for being.

We've continued to grow – in fact there are more Massey Ferguson tractors on the job worldwide than any other brand – but we've never lost our focus. With each new style, each new innovation, our one and only motivation is to provide what farmers need. And what farmers want.

Today more than ever, we're determined to prove that the heart of the original Massey Ferguson brand still beats under the shiny new exteriors of every piece of equipment we make.

“Beauty in engineering is that which is simple, has no superfluous parts and which answers exactly its purpose.”

–Harry Ferguson



Take control of the job ... and your emotions

Operating a front-end loader is one of those jobs that never seems to get old. The idea that you can move your hand two inches and pick up a 2,000-pound bale and lift it 12 feet in the air can be both exhilarating and empowering at the same time.

Nothing can break that great feeling faster, though, than slow response or having to struggle with a loader and implement attachment. Fortunately, that's not the case with a Massey Ferguson® 900 Series loader. Designed specifically for Massey Ferguson 5400 Series Mid-Range tractors and 6400, 7400 and 8400 Series High Horsepower tractors, the 900 Series line-up consists of eight models to ensure an optimum fit with your tractor ... not to mention the performance, reliability, and operator comfort that is demanded for a material-handling unit.

And who better to depend on for hydraulic performance than the company that introduced the world to the 3-point hitch? The year was 1926 when Harry Ferguson patented his innovative Ferguson System — a design that, in various forms, is still used in virtually all agricultural tractors today.

Built like a tank

There are definitely times that two are better than one ... like the two high-strength U-shaped, alloy steel channels fitted together to build the main loader arms. In effect, the beams have a double layer of steel on the top and bottom, as opposed to a box beam with equal sides. The beams are then welded on the inside, producing a 2.75 in. (70 mm) width profile with a clean, strong appearance. But we didn't stop there. We also added surface rings on several models to increase the bearing surface area on the loader pins.

In addition, the compression-molded cross tube is reinforced with a long support plate and positioned just above the tool carrier for improved forward visibility and better clearance for the headlights and optional front-mounted 3-point hitch.

To ensure the highest quality and maximum rust protection, loader beams are pre-painted prior to assembly. Next, robotic technology applies welds accurately to ensure maximum strength and weld consistency. Finally, the entire assembly is coated with impact-resistant powder paint that is baked on for a long-lasting finish.





The word “load” can be defined several ways, such as “to provide in abundance or excess.” Couldn’t have said it better ourselves.

Ten more reasons to make a MF900 Series Loader your first choice.

1. **High-quality steel and strategic bends** combine for exceptional structural strength.
2. **Our “Lock and Go™” connection system** makes loader mounting a “snap.”
3. **A “one-click” implement attachment system** allows the operator to attach loader implements without leaving the seat.
4. **The mechanical self-leveling linkage** has been designed to fit the contour of the loader frame for improved visibility. A low-mounted cross tube and the routing and the routing of hydraulic lines inside the frame provides a better sightline on all models.
5. **An optional Soft Drive hydra-cushion suspension system** helps reduce the effects of working on rough terrain.
6. **Single-lever joystick control** is afforded by the Remote Management System (RMS) available on 6400, 7400 and 8400 Series tractors or an integrated joystick option on models with mechanical valves.
7. **Greasable 40 mm (1.57 in.) galvanized pivot pins** include rigid locking collars to prevent axial play and strengthen the pivot points, as well as plastic covers to keep them free of dirt and contamination.
8. **All pivot points are equipped with replaceable bushings** for improved serviceability during the life of the loader.
9. **Parking stands lock into the stored position** with the aid of a spring-loaded retainer for quick and simple loader removal and mounting.
10. **All components are treated and degreased** prior to being painted with a durable, baked powder paint finish.

It's what you don't see that matters

Take a close look at any 900 Series model. Notice anything missing? You're right, it's the visible presence of any hydraulic hoses or tubing. That's because we routed ozone-resistant hydraulic hoses — instead of tubing — inside the “double-C section” loader beams for an uncluttered view and better protection. Not only are hoses less prone to damage when located inside the tubing, but O-ring connections make it quicker and simpler to replace a hose.

But we didn't quit there. All 900 Series loaders also feature a centrally located valve unit — protected by the cross tube and hidden under a cover — that connects all functions at one point for easier service. More importantly, since all oil flow leaves from one central point, loader movement is always synchronized between the left and right sides, regardless of the load, oil temperature or hydraulic pressure.

There's a new definition of “simple”

Remember when attaching a loader used to mean getting off and on the tractor a half dozen times, while trying to make sure everything lined up? With an MF 900 Series loader, those days are, fortunately, gone forever.

Fact is, you won't find another loader that is any faster or easier to mount or remove than a 900 Series model. The key is our “Lock and Go™” connection system. To mount the loader, simply pull out and rotate the locking wheel on each side of the unit to hold the locking pins in the retracted position. Then, slowly move the tractor between the loader beams. When the subframe and the loader are aligned, the pins automatically rotate and lock into place. Removing the unit is just as easy ... all without the use of tools.



Lock and Go connection system makes mounting or removing the loader faster and easier.



Quick connection is a snap by grouping all hydraulic couplers into a single block coupling, we've reduced hose connection to the snap of a locking handle.



A factory fitted hose stand makes it convenient to keep hoses and electrical connectors out of the way and secure.

Loader Removal Process:

Step 1: Lower the parking stands. Use the Lock and Go system to unlock the loader mainframe from the subframe by pulling back on the outer rim and rotating to the unlock position.



Step 2: Use the tractor hydraulics to raise the loader mainframe off the tractor simply by pushing the joystick to the forward position.



Step 3: Disconnect the hydraulic hoses and electrical connector from the tractor. Fold out the factory fit hose stand and secure hoses and electrical connector. Then back away from loader.



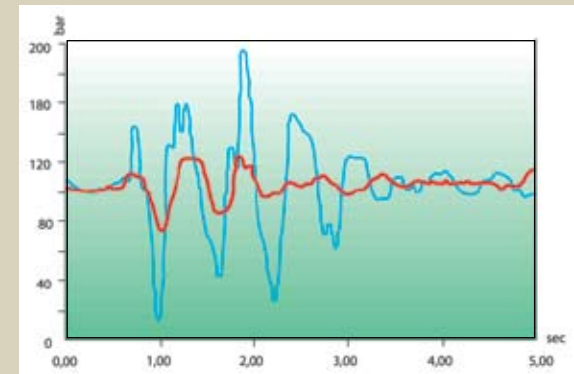


Greater visibility is achieved by concealing all hydraulic lines within the main beam of the loader.

Bouncing is for kids

Let's be honest ... bouncing hasn't been fun since you were a kid and your mom put a dime in the rocking horse at the mall. That's why we offer the Soft Drive hydra-cushion suspension system as an option.

Soft Drive incorporates gas-charged accumulators connected to the loader lift cylinders to absorb the fluid energy generated by the effects of working on rough terrain. By effectively turning the cylinders into shock absorbers, the system reduces stress on the loader frame and tractor front axle, as well as the operator.



■ Pressure on the lift rams with Soft Drive ■ Pressure in the lift rams without Soft Drive

Soft Drive provides a choice of three options, depending on the load and work environment — off or closed: open in both directions (shock absorber up and down), or shock absorber down only for full power in downward movement.

You dream it; we've got it covered.

With the appropriate implement, your Massey Ferguson 5400, 6400, 7400 or 8400 Series tractor can be anything you want it to be. Bale loader, material handler, pallet conveyor or rock picker. The choices are many and varied with Massey Ferguson.

More to pick it all up.

- Series HD heavy-duty material bucket — 83" (2,108 mm)/29 cu. ft. (0.82 cu. m) or 95" (2,413 mm)/34 cu. ft. (0.96 cu. m)
- Series HV light material/snow bucket — 87" (2,210 mm)/44 cu. ft. (1.25 cu. m); 95" (2,413 mm)/60 cu. ft. (1.70 cu. m), or 102" (2,591 mm)/65 cu. ft. (1.84 cu. m)
- Series HT construction tooth buckets — 73" (1,854 mm)/25 cu. ft. (0.7 cu. m) or 83" (2,108 mm)/29 cu. ft. (0.82 cu. m)
- Flexigrip — 63" (1,600 mm) or 79" (2,007 mm) for handling round bales
- Quadrogrip w/backstop — clamp arms adjust from 24 to 78 inches (0.6 to 1.98 m) for handling round or square bales
- Log grab — for use with pallet fork for handling logs
- Weld-on hook set — for adapting customer attachments

With an array of attachments, 900 Series loaders let you take on a variety of jobs in no time flat.



Big bale fork with backstop permits easy handling of large square bales.



3-Point hitch counter weights are an essential accessory in certain applications. Easily fitted and removed.



Maxi grapple features a large jaw opening for handling a wide variety of products ranging from hay to debris materials. Each model is also available with an optional back screen.



Series H material buckets are the most popular and flexible bucket option for agricultural, municipal and contractor duty. Available in 83" (2,108 mm)/29 cu. ft. (0.82 cu. m) or 95" (2,413 mm)/34 cu. ft. (0.96 cu. m) sizes.



Round bale spike makes it easy to load and stack round bales. The unit even includes an extra, shorter spike to stabilize bales and keep them from rotating.



***Pallet forks** are available in 38- and 47-inch (0.96 And 1.19 m) sizes with forks that adjust laterally to handle varying loads.

*Pallet forks should only be used on self-levelling loaders and must not be used to handle large round bales.

Responsive joystick control

One hand and one lever! That's all it takes to control a Massey Ferguson 900 Series loader. Take advantage of the Remote Management System (RMS) joystick, which is standard on all 6400, 7400 and 8400 Series tractors equipped with electronic valves. The 5400, 6400 and 7400 Series tractors equipped with mechanical valves use a adjustable multi-function joystick that is integrated into the right hand console as a factory or field-installed option. Either way, you have complete control of two functions simultaneously (e.g. lift and crowd or lower and dump, etc.) without moving the lever through neutral.

A "float position" also allows the operator to release pressure on the lift arms, enabling the attachment to follow the ground surface.



Standard Remote Management System (RMS) joystick.



Multi-function joystick option with mechanical valves.

One-click implement attachment

Attaching or detaching implements is fast and simple on all Massey Ferguson 900 Series loader models with one-click implement attachment. When an implement is removed (detached), the single-lever is actuated to disengage both locking pins and hold them in the retracted position.

Conversely, to attach an implement, simply raise the tool carrier to the attachment hook set and roll back to the upright position. The locking pins automatically engage, allowing the operator to remain in the seat.



MF LOADER MODEL	MECHANICAL SELF-LEVELING					NON SELF-LEVELING		
	945	955	965	975	985	940	950	960
Applicable Models	MF5435/5445 MF5455/5460	MF5465/5470 MF5475/5480	MF5465/5475 MF6465/6475/6480 MF7465/7475/7480	MF6485/6490/6495 MF6497/6499/7485 MF7490/7495	MF8450/8460 MF8470/8480	MF5435/5445 MF5455/5460	MF5465/5470 MF5475/5480	MF5465/5475 MF6465/6475/6480 MF7465/7475/7480
Maximum Lift Height to Pivot Pin: in. (mm)	148 (3,760)	157 (3,990)	166 (4,230)	176 (4,460)	189 (4,800)	148 (3,760)	157 (3,990)	166 (4,230)
Maximum Lift Height under Level Bucket: in. (mm)	136 (3,460)	145 (3,690)	155 (3,930)	164 (4,160)	177 (4,500)	136 (3,460)	145 (3,690)	155 (3,930)
Clearance with Bucket Dumped: in. (mm)	106 (2,700)	116 (2,950)	126 (3,190)	135 (3,420)	149 (3,780)	106 (2,700)	116 (2,950)	126 (3,190)
Reach at Maximum Lift Height: in. (mm)	22 (580)	19 (490)	18 (450)	27 (680)	22 (560)	22 (580)	19 (490)	18 (450)
Maximum Dump Angle: degrees	60	58	56	56	54	60	58	56
Reach with Bucket on Ground: in. (mm)	80 (2,040)	79 (2,020)	90 (2,290)	91 (2,300)	100 (2,530)	80 (2,040)	79 (2,020)	90 (2,290)
Maximum Rollback Angle: degrees	42	41	41	39	40	42	41	41
Digging Depth: in. (mm)	7 (190)	6 (150)	6 (150)	4 (110)	8 (210)	7 (190)	6 (150)	6 (150)
Lift Capacity to Max. Height @ Pivot Pins: lbs. (kg)	4,079 (1,850)	4,409 (2,000)	4,806 (2,180)	4,916 (2,230)	5,335 (2,420)	4,717 (2,140)	5,071 (2,300)	5,445 (2,470)
Lift Capacity to Max. Height @ 31.5 in (800 mm) in forward of Pivot Pins: lbs. (kg)	3,328 (1,510)	3,748 (1,700)	4,189 (1,900)	4,387 (1,990)	4,696 (2,130)	3,109 (1,410)	3,527 (1,600)	3,880 (1,760)
Max. Breakout force @ Pivot Pins: lbs. (kg)	4,938 (2,240)	5,291 (2,400)	5,644 (2,560)	5,952 (2,700)	7,319 (3,320)	5,798 (2,630)	6,173 (2,800)	6,482 (2,940)
Max. Breakout force @ 31.5 in (800 mm) in forward of Pivot Pins: lbs. (kg)	4,079 (1,850)	4,519 (2,050)	4,806 (2,180)	5,225 (2,370)	6,283 (2,850)	3,770 (1,710)	4,189 (1,900)	4,497 (2,040)
Lift Time: sec @ 15.6 gpm (59 l/min)	4.5	5	6	7	8.5	5	6	7
Loader Weight (Base Loader): lbs. (kg)	1,287 (585)	1,366 (621)	1,566 (721)	1,672 (760)	1,778 (808)	1,133 (515)	1,219 (554)	1,382 (628)

* Manufacturer's estimate.



MF 900 Series Loaders
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