

# HP | MF8600

The Panorama Cab  
With award-winning OptiRide Plus suspension



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

# OptiRide Plus

## The ultimate cab suspension system

An award-winning tractor deserves an award-winning cab suspension system. OptiRide Plus, available on the superb new MF 8600, has been named as the recipient of a prestigious Gold Medal for Innovation at the SIMA 2009 event in Paris.

The Award recognises the creation of unprecedented levels of operator comfort and acknowledges Massey Ferguson's long-held position at the forefront of agricultural innovation.



OptiRide Plus is a dynamic cab suspension system that continually adjusts to a wide variety of driving conditions, using multiple on-board sensors, and differs quite substantially from the standard OptiRide system.

With the standard specification, the cab sits on four hydraulic dampers that provide the suspension and produce a passive system that functions in a similar way to a conventional cab suspension system.

OptiRide has two sensors on diagonally opposite corners of the cab that automatically register the degree of cab tilt and raise the hydraulics to restore equilibrium.

Included in the design is a torsion bar linking the left and right sides of the rear of the cab. This performs an anti-roll function to reduce lateral movement.

### **Intelligent comfort**

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

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

For the ultimate in cab comfort, the OptiRide Plus system offers the ability to further refine ride firmness/softness during operation (the ride comfort is non-adjustable on the standard OptiRide system). This innovative technology could not be simpler to adjust, using the straightforward, in-cab rotary dial.

This, in turn, minimises the often wearing effects of working on uneven terrain, sudden braking and surges in acceleration so the operator suffers less fatigue, fewer aches and lower stress levels, allowing fresher, more alert work performance.

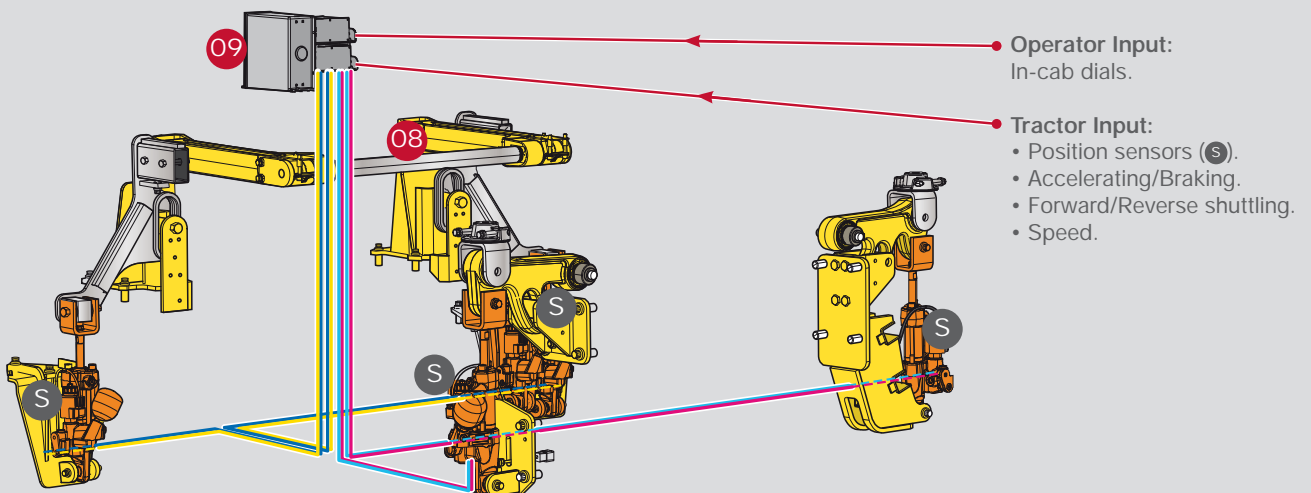
The award-winning OptiRide Plus dynamic suspension system has been calculated to deliver an extra 25% in levels of comfort over the standard OptiRide specification.



01 In-cab controls.  
02 Transmission lever.  
03 Speedometer.

04 Brakes.  
05 Accelerator.  
06 Front axle position sensor.

07 Suspension damper units.  
08 Anti-roll bar.  
09 Control box.



**Operator Input:**  
In-cab dials.

**Tractor Input:**

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



01



02



03



04



05



06



07



08

# Panorama cab key features

In the quest to create the ultimate cab environment for the operator, Massey Ferguson's design engineers have developed a range of enhancements and subjected them to exhaustive testing before presenting them to farmers for their reactions and comments.

Significant reductions in noise levels have helped to create a calm, peaceful working environment for the operator, promoting enhancements in performance and productivity.

Superb visibility has been achieved with the new four-pillar design, curved glass panels and an excellent Visio roof option, while the internal space has been increased by a massive 28%.

Either De Luxe or De Luxe Evolution air suspended seats can be specified with a host of adjustments for the perfect sitting position for each individual operator.

The De Luxe version has an active carbon layer under the seat covering to keep the operator cool, fresh and alert, together with fully automatic adjustment for the driver's weight. In addition, air lumbar support and a heated seat cushion are included. The De Luxe

Evolution seat offers you lateral suspension and the Active Climate feature reduces perspiration, by the use of a fan, for even more comfort.

Air conditioning and climate control are both available with a number of outlets around the cab for efficient distribution of air, de-misting, heating and ventilation.

To further improve heating and ventilation, low-level outlets have been fitted below the passenger seat on the left-hand side of the cab. An additional fan can be switched on to boost air-flow to the floor level – particularly useful for keeping feet warm in cold weather.

Instruments, controls, switches and displays are clear to view and logically-positioned for ease of use and simplicity of operation.

The new Control Centre puts the operator in complete control, having been designed so that all

the major controls fall easily to hand – primarily on the adjustable armrest. The Control Arm also houses fingertip spool valve levers and a joystick which allow the operator to control up to six rear spool valves.

The new SpeedSteer option allows the operator to adjust the steering ratio, varying the number of steering wheel turns required for the same angle of the front wheels.

The new Dyna-VT transmission with Dynamic Tractor Management (DTM) controls both engine and transmission to minimise engine revs and fuel consumption.

# But don't just take our word for it...

The world's most advanced tractor cab has already won praise from users, including:



"The MF 8600 is extremely user-friendly, being simple to understand and operate. The switch arrangement is simply and clearly laid out – it is now very easy to operate the cruise control setting on the console, for example. In addition, the cab is very spacious, quiet and comfortable."

**Kai-Richard Schlichting**  
Contractor  
Sachsen-Anhalt  
Germany



"It feels good to drive, very easy to operate and the ride is steadier thanks to the OptiRide cab suspension. The view from the cab is excellent and it is much more spacious too. It's good to have all the main controls on the Control Arm."

**Peter Jensen**  
Farmer  
Randers  
Denmark