



**MASSEY FERGUSON**

# WR9800

Self propelled Windrowers





**04**  
Where state-of-the-art meets user friendly.

**06**  
Technology so smart, it practically windrows for you.



**08**  
Be in full control.

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Power, torque and total fuel economy.



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V-Cool. Very cool.

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Disc headers designed to make hay pay.



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# Where state-of-the-art meets user-friendly.



**Auto-Guide 3000™**

The most advanced GPS steering available, with field speeds up to 28 kph.

**HYDRO HANDLE**

Fully programmable to match your needs.

**FIELDMAX™ MONITOR**

Controls virtually every windrower function using advanced operational software.

**TRUE ELECTRO-HYDRAULIC STEERING**

A more precise, responsive, adjustable system.

**SEMI-ACTIVE AIR SUSPENSION SEAT**

Reads and adjusts to field conditions, reducing operator fatigue.

**INDEPENDENT HEADER FLOTATION**

For unprecedented flexibility and control.

**NEW REMOTE CENTRE LINK SWITCH**

Ground level adjustment for quicker, easier changing of heads.

**CAB SUSPENSION**

A better way to handle borders, pivots and the roughest field conditions.

**AGCO POWER™ ENGINES**

Now with more horsepower, more torque and road speeds up to 35.2 kph.

**V-COOL™ SYSTEM**

With an auto-reverse fan that eliminates the need for rotary screen cleaners.

**GLIDERIDER™ REAR AXLE SUSPENSION**

An adjustment-free system that assures smooth stability and far less bounce.

**NEW EXTRA LADDER STEP**

Plus a larger platform, for easier entry and exit.

**EXCLUSIVE TWINMAX™ ADVANCED CONDITIONING**

Double crimping vs. crushing, combined with our low-profile RazorBar™, for faster drying, quality hay.

**NEW 5300 DYNASWATH DRAPER HEAD**

More robust design with dual sickle drive and sizes from 25' to 40'.



# Technology so smart, it practically windrows for you.

Massey Ferguson was the first in the industry to operate all main functions by means of a virtual terminal. No other self-propelled windrower helps you produce quality hay faster, more efficiently, with greater precision, less fatigue, better fuel economy and lower operating costs.

## Let the windrower do the work

A windrower so smart, it talks to itself. Proprietary software on the WR Series allows a variety of components to communicate electronically and execute many of its functions automatically. These components include:

- ▶ Steering System
- ▶ Auto-Steering
- ▶ V-Cool Cooling System
- ▶ Automatic Header Speed
- ▶ Automatic Reel Speed
- ▶ Automatic Header Float
- ▶ Auto Load Control
- ▶ OptiCruise

### NEW Rotary Header Speed Compensation

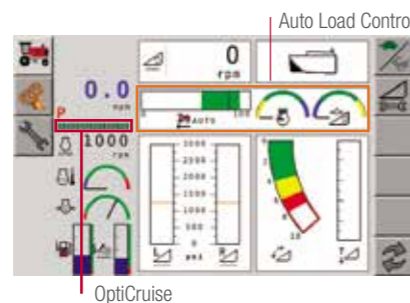
Rotary Header Speed Compensation automatically compensates for different field conditions – in thin crop the windrower will automatically slow down and on heavy crop it automatically speeds up.

### NEW OptiCruise

Our new OptiCruise function allows for more precise speed control when operating in rough conditions. The two buttons on the back of the new hydro handle allow you to increase and decrease your speed smoothly (0.96 kph increments in 1st & 2nd speed range, 3.2 kph in 3rd speed range) without having to move the control handle.

### NEW Auto Load Control

This new feature automatically adjusts your ground speed based on the engine load and the header drive pressure to ensure maximum torque and efficient fuel usage. The load control on the monitor will give you instant feedback to what levels the windrower is performing.



## Brains of the FieldMax

WR Series on-board terminal, FieldMax, lets you control all of the windrower's main functions, including:

- ▶ Header speed
- ▶ Header load monitor
- ▶ L/R header flotation/tilt/height
- ▶ Automatic control engagement
- ▶ One touch down / one touch up
- ▶ FNR handle configurations
- ▶ Auto-Guide 3000
- ▶ Steering system adjustments
- ▶ Data collection (fuel usage, acres, hours, etc.)
- ▶ Trouble shooting information



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Overseas model shown. Some features may not be available.

# Be in full control.

Our electro-hydraulic drive system and auto-steering make operating and controlling your windrower easier than ever.



## Header Control

With our innovative hydraulic drive system and fully programmable hydro handle, the WR Series makes operating your header a breeze. The FieldMax monitor is highly advanced but simple-to-use for on-the-fly header adjustments.

## Steering Control

Another Massey Ferguson exclusive, the responsive, electro-hydraulic steering system is the ultimate in precision control. Now you can drive at faster speeds – up to 35.2 kph on the road – with absolute stability. And you can adjust the steering wheel response and resistance to your personal preferences.

## NEW Hydro Handle

With three set functions and up to 16 programmable functions that can be specific to your operations – you have everything you need at your fingertips.



A handle configuration icon in the FieldMax Monitor will always be visible, so you can view and/or change handle settings with a single button.

## Or go hands free

Be in full control or go hands-free with Auto-Guide 3000, the world's most advanced auto-steering. Its satellite-assisted steering technology gives complete and automatic guidance capabilities, allowing you to use the full width of your header for tighter rows and less overlap, which results in less time and fuel.

Field speeds up to 28 kph - with extreme accuracy. Our steering and guidance system allow for the fastest auto-guided field speeds in the industry.

All WR9800 Series are fitted with Auto-Guide 3000 that communicates directly with our electro-hydraulic steering, eliminating the need for additional steering hardware. The response time is drastically reduced for a much higher degree of steering accuracy.

Easy to operate - when Auto-Guide 3000 is engaged, the GPS signal replaces the signal from the steering wheel. If the steering wheel is moved by hand, the windrower automatically goes back to manual steering.



# Power, torque and fuel economy.

Built especially for agriculture and specifically for this windrower, our AGCO POWER engines on the WR9800 Series can deliver as much as 225 Standard HP at 2100 rpm, while power boosting to as high as 240 Boost HP at 1900 rpm. This means that if you begin to pull down on the engine, the power boost will engage to give you the torque and horsepower you need to keep you going in the field. This purposeful engineering, along with advanced emission control guarantee, will also provide you with consistently lower total fuel consumption.

### Stable torque at any load

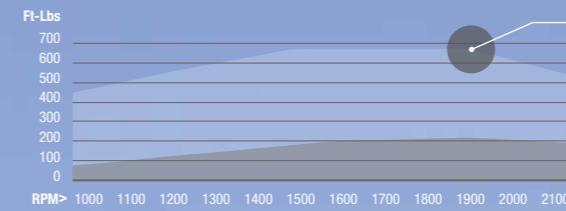
Simply put, our 4-cylinder QuadBoost engine thinks it's a six, because it features higher power density than other 4-cylinders. It supplies more air to the valves to increase torque output, maintain high torque at field rpm levels and generate real fuel savings.

### 28 kph working speed and 35.2 kph transport

Our advanced drive control system pumps more hydraulic fluid in the field ranges to provide higher torque and speeds up to 28 kph. On the road, less flow is delivered, to increase rpm for transport speeds up to 35.2 kph. All to keep you safe and stable, with no additional steering controls.



QuadBoost Torque Curve



AGCO POWER QuadBoost 4-cylinder 575 ft-lbs @ 1900 rpm

Torque  
HP

Higher power density in our QuadBoost engine simply means it provides more power from the same engine volume.



## V-Cool. Very cool.

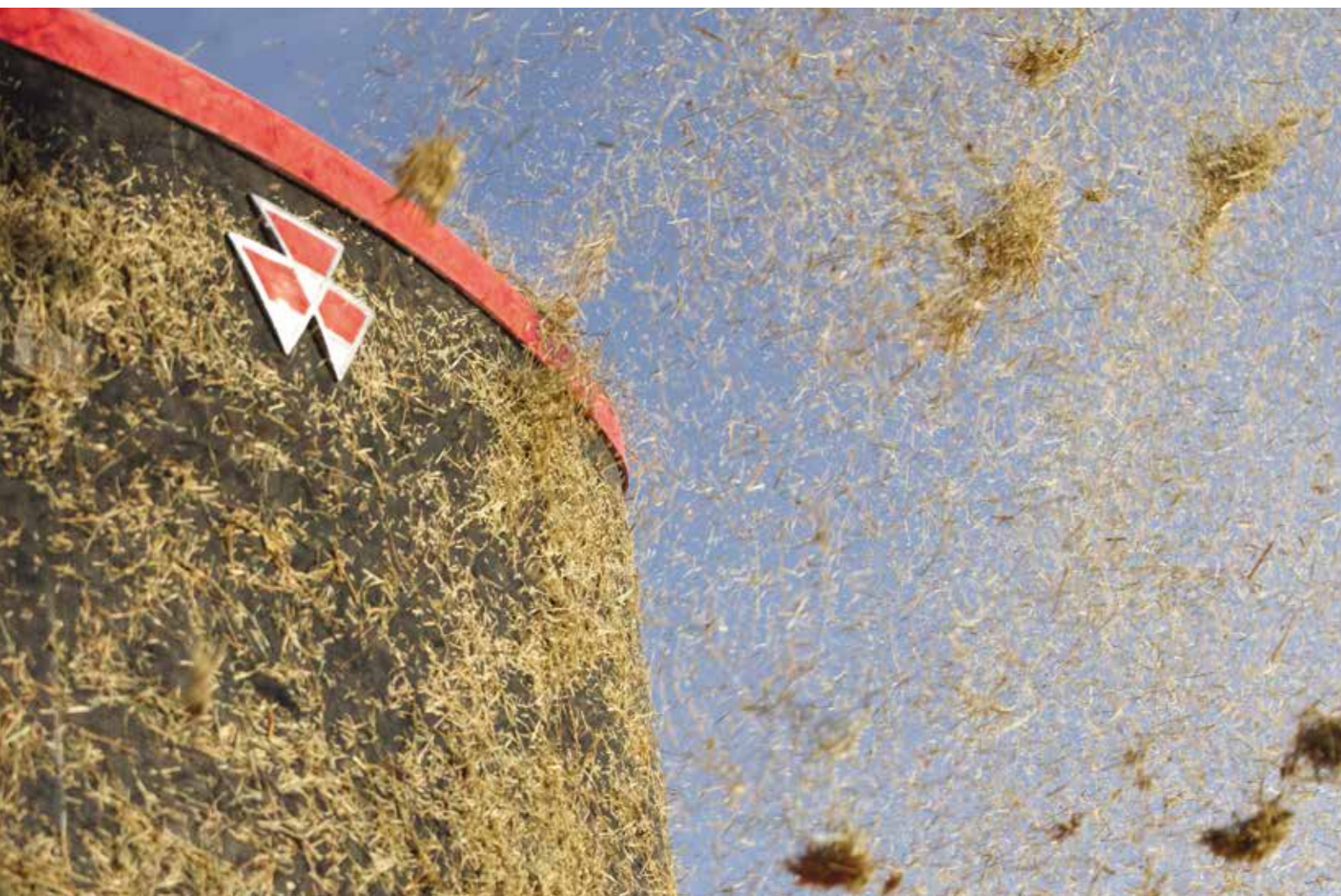
Even the cooling package on the WR9800 Series is smarter. Because all radiator and cooling units in the system are arranged in a V-shape. So air flows unrestricted to each unit, instead of being forced through multiple radiators. Engine air intake is pulled from behind the hood, promoting longer filter life and better performance.

### A fan that'll blow you away

Far more efficient than ordinary rotary screen cleaners, our hydraulically driven fan runs at variable speeds, to match the cooling needs of the engine. It also auto-reverses, to automatically clean the radiators and fan screen as you work, keeping the engine running at optimum temperature and saving time and fuel.

### More covered per litre

With the best fuel-efficiency in the industry and a 492 litre fuel tank, the WR Series allows you to mow all day without refueling. And our exclusive Hesston Fuel Economy Meter lets you make adjustments to maximise fuel usage all along the way. For instance, you could run at 28 kph, but optimal fuel savings might be at 20 kph.



## The comfort you've been waiting for.

We didn't maximise the creature comforts in our new WR9800 Series. You did. Because every feature, every improvement has been added in response to what hay producers have told us they need to increase efficiency and reduce fatigue.

### A complete machine suspension package

The new WR9800 Series offers you better suspension, back to front – starting with a solution to the common problem of rear end shock and bucking.

#### Adjustment-free rear axle suspension

With two gas shocks and a spring in the centre of the axle, our GlideRider system transfers load to the main frame, so bounce is reduced and comfort is increased – even at higher field speeds.

#### Large bar radial tyres

We offer two radial tyre options on the WR Series for improved traction, increased flotation and a better ride.

#### Enhanced cab suspension

With pressure settings from 15 to 35 psi, our cab suspension system provides a ride similar to that of a tractor cab – a real plus when you're operating on pivots, borders or conditions involving dips, ruts, or ditches.

#### A unique, deluxe semi-active air suspension seat

It takes constant, split-second readings of field conditions and adjusts its suspension instantaneously, to reduce bounce. It also keeps you cooler or warmer as needed. And enfolds you like a sports car seat – just to help you stay put.

#### Hands-on convenience

In the midst of all that peace and quiet, you'll notice real ergonomic improvements, like optional automatic climate control, an upgraded, more intuitive side console and a steering column with a greater choice of steering wheel positions and adjustments.



## A new game changer in draper heads.

Introducing the Hesston 5300 DynaSwath draper head. Along with its robust new dual sickle design that can withstand heavier crop loads, it features Smart Head Technology, with its own electronic control unit – in other words, it has its own brains on board – to communicate efficiently with the windrower and allow for auto reel speed.

### Other significant advances include:

- ▶ New, improved hydraulic system with single point header hook-up and drives for all major functions
- ▶ Bigger reel tine tube size and new cam track design
- ▶ New, 35' and 40' reel with truss rod support

Durable tines with the ability to withstand crop bend without breaking.



The new 5300 draper head also features forged and double heat-treated range guards with longer tangs.



## Disc headers designed to make hay pay.

The Massey Ferguson 9196 disc header, with our industry-exclusive low-profile RazorBar cutterbar, lets you increase your acres per hour while achieving a closer, cleaner cut.

Higher tooth-to-tooth gear contact in the RazorBar delivers more power, so we can handle higher loads than our competitors. It also makes this tool almost indestructible. However if repair is ever required, the modular design allows each gear assembly and idler gear to be individually removed without taking the whole cutterbar apart.

- ▶ Infinitely variable disc speed, from 1,000 to 2,500 rpm, to match any crop conditions.
- ▶ Independent header flotation.
- ▶ TwinMax Advanced Conditioning.

Dual hydraulic motors drive the cutterbed from each end to provide even torque load across the entire width of the cutterbar for increased reliability. Our 16-foot RazorBar cutterbars features a low profile, spur gear cutterbed that slices through lush alfalfa, tangled grass, and tall Sudan with ease.

### Exclusive TwinMax Advanced Conditioning

Only Hesston offers this ingenious system that double crimps the stems, reducing drying time by days, while allowing the leaves to stay healthy and whole, retaining their vital nutrients. The result is Hesston Hay – a higher quality crop that earns you a higher price on every bale.

### Crimp vs. Crush

Competitive windrowers still feature conditioning systems that crush both the stems and the leaves to accelerate drying time, however this results in damaged leaves, lost nutrients, lesser quality hay, and lower market value.

### The only thing we crush is the competition

Instead of just a single set of conditioning rollers with no gap between them, TwinMax uses two sets of steel-on-steel conditioning rolls, finely tuned to maintain a roll gap for varying crop conditions. The crop feeds into the first set of rollers, where stems are crimped every two to three inches while leaves pass through unharmed. It then passes through the second set, where the stems are crimped again.



The herringbone pattern on the rolls creates a broad, well-formed, level windrow that dries faster, more evenly, and rakes together more easily for better baling.



A low-profile, spur gear cutterbed that's thinner in design, means closer cutting.



# Specifications

SP WINDROWER MODEL	WR9870	WR9860
<b>Dimensions and Weight</b>		
Length overall w/out header in. (mm)	199.7 (5,074)	
Wheelbase in. (mm)	137 (3,482)	
Height - top of cab in. (mm) (23.1-26 Turf Tyres)	137.8 (3,501)	
Tread width drive tyres in. (mm)	130.7 (3,320)	
Tread width tail wheels min. in. (mm)	84 to 129 in 9" increments (2,135 to 3,277)	
Weight (approximate) w/out header lb. (kg)	11,420 (5,180)	11,305 (5,127)
<b>Speed (approximate)</b>		
Field range mph (km/h)	0 to 17.5 (0 to 28)	
Road range mph (km/h) (optional)	0 to 22 (0 to 35)	
<b>Engine</b>		
Model	AGCO Power™ 66 CTA T4F	AGCO Power™ 49 CTA T4F
Rated Horsepower (kW)	225 (168)	195 (145)
Boost Horsepower (kW)	240 (179)	208 (155)
Displacement cu in. (L)	403 (6.6)	299 (4.9)
Fuel tank capacity US GAL (L)	130 (492)	
<b>Ground Drive System</b>		
Type	Double planetary gear reduction	
Tandem pump	Sauer Danfoss H1 Axial Piston Pump	
Motors	Infinitely variable displacement	
<b>Flotation System</b>		
Type	Hydraulic with independent left/right adjustable computer control	
<b>Tyres</b>		
Drive wheels	23.1-26 Bias Turf (R3), 23.1-26 Radial Turf (R3), 620/75R26 Radial Bar (R1)	
Tail wheels	14L-16.1, 8-ply implement rib, 16.5L-16.1, 10-ply implement rib	

DRAPER HEADER MODEL 5300	7.6M (25 FT)	9.1M (30 FT)	10.7M (35 FT)	12.2M (40 FT)
<b>Header Specifications</b>				
Drive	Hydraulic			
Header angle	4 to 18 degrees			
Flotation	Hydraulic (on tractor)			
Draper opening	2 m			
<b>Dimensions and Weights</b>				
Width, overall	8,060 mm (26 ft 5 in)	9,584 mm (31 ft 5 in)	11,108 mm (36 ft 5 in)	12,632 mm (41 ft 5 in)
Width, cutting	7,547 mm (24 ft 9 in)	9,071 mm (29 ft 9 in)	10,595 mm (34 ft 9 in)	12,119 mm (39 ft 9 in)
Weight, with reel	2,000 kg (4,400 lb)	2,270 kg (5,000 lb)	2,540 kg (5,600 lb)	2,810 kg (6,200 lb)
Delivery style	Center or Side			
<b>Sickle Specifications</b>				
Speed, single sickle	–	1,300 spm	1,300 spm	–
Speed, double sickle	1470 spm			
Stroke	84.6 mm (3,331 in)			
Drive	Inline gearbox			
Guard spacing	76 mm (3 in)			

RAZORBAR DISC HEADER MODEL	MF9196
<b>Dimensions and Weight</b>	
Width (overall) in. (mm)	195 (4,963)
Weight (with forming shields) lb. (kg)	4,780 (2,168)
<b>Header</b>	
Header drive	Dual hydraulic motors
Input shaft speed - max. rpm	2,600
Header flotation	Hydraulic, adjustable from cab
Header tilt	0° to 10°
<b>Cutterbed</b>	
Cutting width in. (mm)	192 (4,895)
Cutting height in (mm)	.75 to 3 (19 to 76)
Number of discs	10
Number of knives	20
Disc speed - max. rpm	2,500
Tip speed - max. mph (km/h)	189 (304)
Cutterbed design	Modular spur gears
Cutterbed oil capacity qt (L)	6 (5.7)
Knives	18 degree bottom bevel
Knife circle diameter in. (mm)	24.5 (622)
Knife tip speed mph (kph)	189 (304)
<b>Hay Conditioner</b>	
Type	Herringbone, steel on steel
Conditioner rolls	4
Length in. (mm)	110 (2,794)
Steel diameter in. (mm)	7.75 (197)
Speed - max. rpm	1,290
Min. windrow width in. (mm)	40 (1,016)
Max. windrow width in. (mm)	96 (2,438)
Roll tension adjustment	Hydraulic with accumulator



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