

**MF 7200 BETA**



**High-performance combines**

**2 models: 5 or 6 straw walkers**



**MASSEY FERGUSON**

## Reaping the rewards of your investment

**The Massey Ferguson Beta range of combine harvesters has been designed to harvest all types of crop in any conditions.**

From dry cereals to wet rice, you can rely on a Massey Ferguson Beta combine to deliver. MF 7260 and MF 7270 Beta combines are built to the highest worldwide standards and deliver top performance in all types of crop all over the world.

Drawing on more than 40 years' experience in the design and manufacture of harvesting machinery, these combines are capable of handling the most demanding harvests.

MF Beta combines are at home in any crop: cereals, peas, beans, sunflowers, oil seed rape, grass seed, dry rice, wet rice or maize.

At harvest time, every minute counts; that's why we provide you with combine harvesters delivering high-performance, reliability and ease of operation through practical design. With combines from the MF Beta range, you are sure of making the right choice.



Harvesting rape



Harvesting wheat



Model	Power hp/kW ISO	No. of straw walkers	Capacity (litres)	Auto Level
<b>BETA 7260</b>	275/202	5	9000*	Optional
<b>BETA 7270</b>	305/275	6	9000*	Optional

\*8200 for Auto Level version

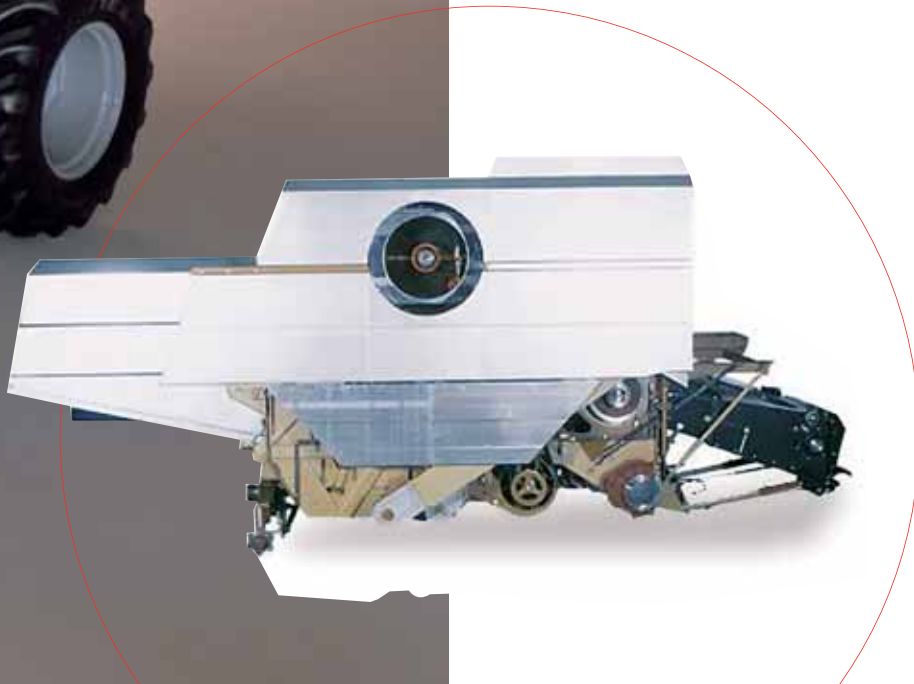
## Practical design, easy operation and top performance



Beta combines are built to the high standards you expect. Low cost of ownership is important when choosing your new combine and the Beta range is designed with this objective in mind.

The machine's components are designed for the harshest crops. The benefit to you being increased durability whether harvesting cereals, maize or rice – a crop that requires a lot of power and is very abrasive. Every component has been designed and selected for maximum durability and long life. Many of the parts which come into contact with the crop are of increased thickness and in some cases constructed of harder-wearing material.

What is more, over 80% of the parts in contact with the crop are galvanized and all are painted before assembly. This further enhances the longevity of the machine and maximises resale value.



## Where a successful harvest starts!

The cutting tables on MF 7260 and MF 7270 combines are designed for harvesting a wide variety of crops. The table consists of a welded frame to which bolt-on panels are mounted; these panels, for example the table bottom plates, can therefore be easily replaced when required.

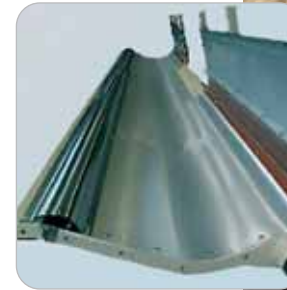
The crop is cut by a high performance Schumacher knife and gearbox. It then feeds into a large diameter table auger that has feathering fingers along its entire length to ensure even distribution of the crop as it is fed into the main crop elevator. All reel adjustments are made using the hydrostatic control lever in the cab. Automatic cutting height control is standard on all machines to optimise table performance on all types of terrain. The Agritronicplus monitor is used to set the table height controls.

### Powerflow – It doesn't get any better than this!

Crops like oil seed rape, peas and rye are difficult to harvest as is laid wheat and barley. Pioneered by Massey Ferguson over 25 years ago, the Powerflow table has the ability to tackle these crops with ease. The knife is a massive 1.14 m from the table auger so vision and performance are at the optimum. The rugged powerflow belts power the crop away from the knife and into the main crop elevator at a consistent speed and no changes are required on the table when moving from one crop to another. To increase outputs by up to 50% in difficult conditions, Powerflow is the only choice.



All Beta combines are fitted with an Auto Level table as standard, which is able to follow changes of up to 8% in ground contours



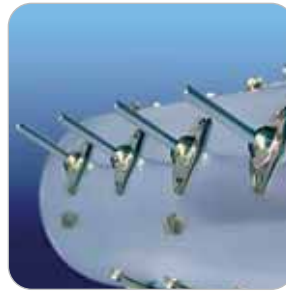
Schumacher knife system



## Exclusive Powerfeed Roller

The Powerfeed Roller at the front of the main crop elevator gives a consistent crop flow from the table into the main crop elevator. As a result of the more even crop flow, less power is needed to thresh the crop. The crop is distributed across the full width of the elevator by the powerfeed roller to maximise the potential of the threshing unit.

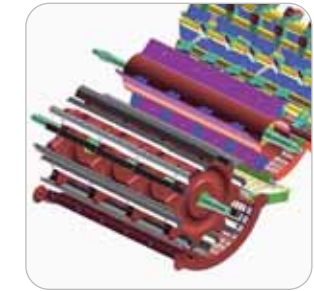
In addition, as the crop is readily prepared for optimum threshing, power requirement – and importantly fuel consumption – are reduced.



Powerfeed roller is located at the front of the main crop elevator



Differential wire spacing on concave



High Inertia Cylinder



Two electric motor controls from the cab adjust the concave clearance

## The key to performance!

Equipped with a robust, high inertia cylinder and a heavy-duty concave, these machines are able to effectively thresh the majority of crops with ease.

The threshing drum has added weight in the form of ballast bars to increase the weight behind the rasp bars as they thresh the heads. This reduces load on the drives, power requirement and fuel consumption.

The concave has differentiated wire spacing, i.e. the rear section of the concave has half as many wires as the front section. This principle provides the optimum balance between high threshing capacity and good grain flow through the concave.

Independent adjustment of the front and rear of the concave is via electric controls in the cab. This makes it possible for the operator to set the concave to the optimum position to suit the conditions, or even to work with the concave in the parallel position if needed, so output is maximised and straw damage minimised.



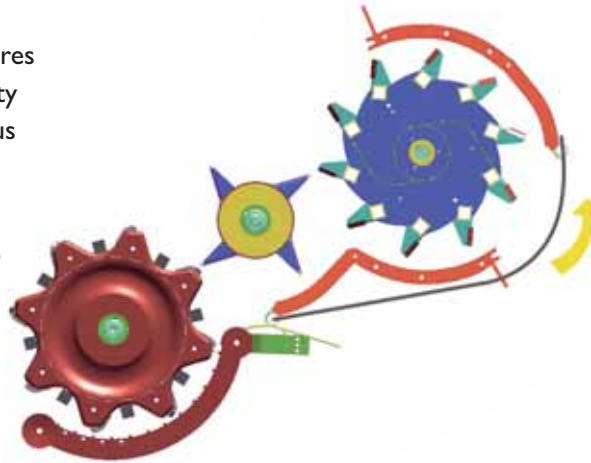
## Two combines in one

### Separation choices, to suit your harvest

Beta combines have a rotary separator as standard which features adjustable concave and speed. This gives the operator the ability to match the combine settings to the condition of the crop thus optimising separation and straw quality.

This rotary separator has one unique feature that sets it apart from the rest: the ability to rotate the concave up over the top of the rotary separator when it is not required. This makes it possible to optimise machine performance in dry conditions, improving throughput. The separating system performs at maximum capacity according to the type of crop being harvested and straw quality requirements.

The unit is electrically operated from the left-hand side of the machine, requiring no tools.



### 5 or 6 straw walkers for separation down to the very last grain



The long straw walkers feature 4 steps with “active walls”. The 210 mm high vertical sections of the walker steps are punched grids, like the horizontal grids. This gives extra open surface area for more efficient separation. The front steps of the straw walkers are made of thicker metal to deal with the high flow of straw from the threshing system and rotary separator. The fully welded walkers are of closed bottom design and are hot-dip galvanized for increased durability.



## Residue handling – Reduce your primary cultivation costs

**The straw chopper on Beta combines is specifically designed to give these machines unrivalled chopping and spreading performance, ideal for farmers using reduced tillage operations.**

All knives in the straw chopper are serrated to give a clean chop and reduce the power requirement. The fully adjustable stationary knives and straw chopper hood ensure complete control over the quality and spread of the chopped straw. In addition, the adjustable floor of the chopper is dimpled, which deflects the chopped straw upward, back into the rotating knives for a finer chop.

The straw chopper is engaged automatically once the chopper hood is moved into the correct working position. The deflection plate on the straw walker hood is easily moved by a lever.

The chopper can also be very quickly converted for harvesting maize.



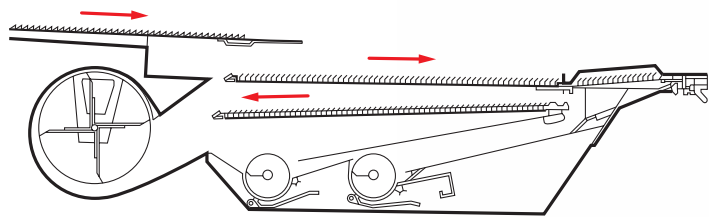
A chaff spreader is also available as an option for all models

## The simplest is still the best

The Beta series shaker shoe is extremely simple in terms of design, without compromising on capacity.

Before reaching the sieves, the crop is directed to the grain pan, which has high dividers to reduce grain movement across the pan on slopes. This gives excellent distribution of the grain and chaff over the sieves, optimising the machine's capacity when working on undulating ground.

Any returns are fed into the main threshing cylinder for rethreshing.



The reciprocating sieves allow excellent circulation of the constant air flow produced by the large diameter, multi-blade fan, which is electrically adjustable from the cab.

The sieve profile is the key to shaker shoe performance. The high performance sieves are specially designed with vertical tags, which improve the sample and allow you to open the sieves wider for greater throughput. The practical design also allows one person to remove and clean the sieves easily between crops.



## High capacity grain tank

The grain tanks offer plenty of capacity (9000 litres on standard version and 8200 litres on Auto Level version) while unloading rates of 105 l/sec rival those of much larger machines. At 4.45 m the unloading auger gives plenty of height and reach to fill any trailer. The two grain level alarms in the grain tank ensure there are no overflows. The MF 7260 and MF 7270 standard models have metal grain tank covers, electrically operated from the drivers seat.



A wide inspection hatch, accessible from cab platform, allows the driver to take a grain sample to check the quality



Two sensors monitor the grain level in the grain tank and alarms on the Agritronicplus monitor



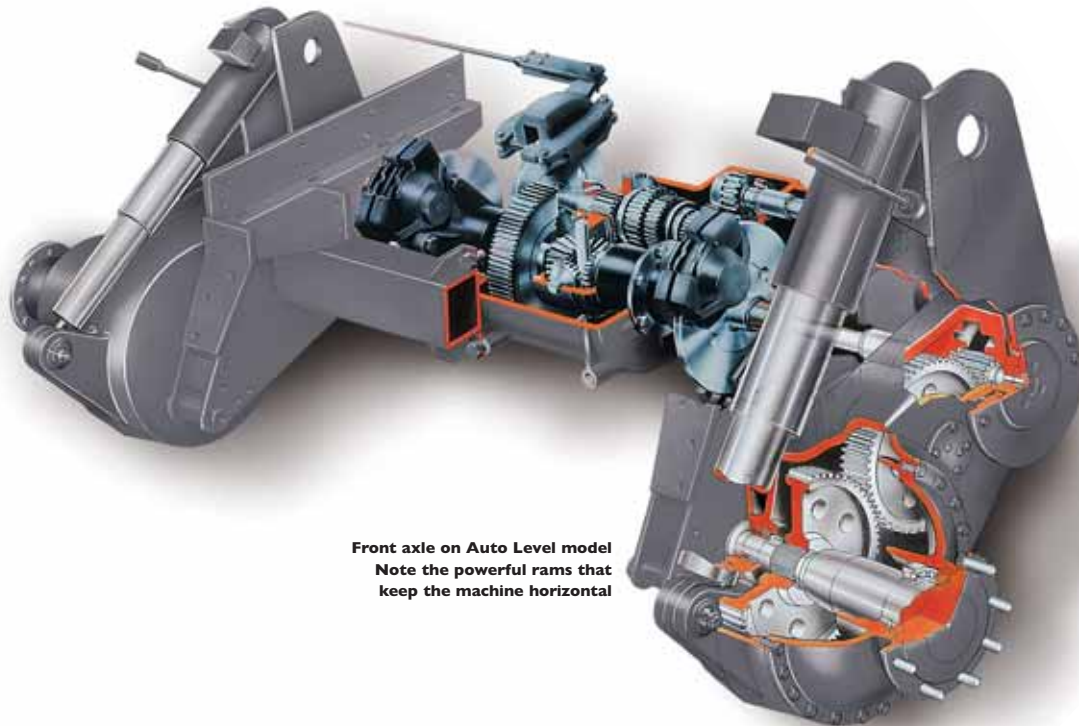
The grain elevator augers and caps have "Hardox" hardened ends for maximum service life



## Auto Level : Guaranteed performance, even when working on slopes

To optimise their performance, MF 7260 and MF 7270 combines are available in Auto Level versions. This system levels the combine rump across slopes, by pivoting the front final drives. This correction feature makes it possible to work across slopes up to 20%. In addition the combine rump can level up and down slopes up to 8% allowing you to work as if the machine were perfectly level.

Given the extreme terrain these combines can operate in, Auto Level models come fitted with a powered rear axle giving real 4wd performance, more positive steering control and greater traction in difficult conditions.



Front axle on Auto Level model  
Note the powerful rams that keep the machine horizontal



Correction across slopes up to 20%



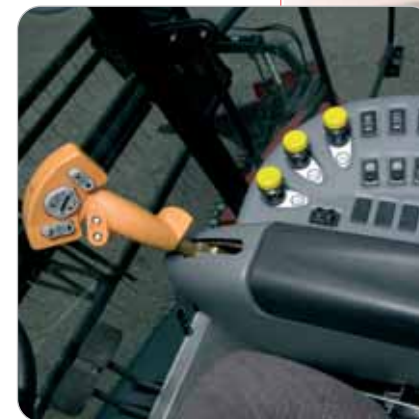
Correction up and down slopes up to 8 %

## Engine / Transmission

Beta combines are powered by the latest generation SISU engines. These electronically controlled engines are the heart of the machine and deliver the power needed for consistent and efficient harvesting in all conditions.

The centralised radiators provide perfect cooling for the engine, hydraulics and air conditioning. The rotary screen flips up for easy cleaning and a dust extractor keeps it clean in the dirtiest conditions. Access platforms provide safe access to the rotary screen and radiators.

The Beta transmission is a 4-speed hydrostatic unit, which maintains the right speed and delivers the traction required for all harvesting conditions. The gear change lever is ideally located on the right-hand side behind the console.



## Ergonomic comfort and performance at your fingertips

The XLR cab on Beta combines comes with the comfort levels you would expect on a machine of this class. With automatic air conditioning, heating, air suspended seat, passenger seat and fully adjustable steering column, you will be able to harvest peacefully and in comfort.

A full view of the table is complemented by the ergonomic layout of the monitors and controls. The Agritronicplus monitor and the seat mounted right-hand console provide all the information the operator needs during harvesting. All cutting table controls are grouped on the hydrostatic control lever and are clearly identified. Extras like electric mirrors and fridge make the driving experience that much better.

All adjustments can be made on the go with minimum loss of time, for efficient harvesting.



The hydrostatic control lever and all the combine controls are mounted on the right hand armrest



The steering column height and tilt adapts to the operator's driving position



The Agritronicplus unit allows the operator to monitor correct machine operation, shaft speeds, machine performance and cutting height



A large refrigerated compartment under the passenger seat can hold up to two 1.5 litre bottles

## Maintenance has never been so fast or so easy

**Due to simple mechanical design, the number of drives is minimised, saving considerable time on maintenance, so you spend more time where you need to be... harvesting!**

Reservoirs and fillers for various fluids are ideally placed for checking levels or topping up. The same applies for the engine air filter.

Daily maintenance on Beta series combines is minimal – just a few grease points and checking the levels of various fluids. In addition, large, hinged panels provide easy access to machine components for daily routine maintenance or quick checks.

The four major drive engagements - threshing, table, straw chopper and unloader use a simple over centre pulley system retained by spring pressure. Adjustment by spring length makes it straightforward and easy to check.

The aluminium ladder, giving access to the engine compartment, can be detached and moved around the machine to reach other components.

Easy access to table drives



Hinged side panels give clear access to main drives and belts



Easy access via removable ladder to the engine bay and grain tank



# Specifications

● = Standard equipment

○ = optional equipment

		BETA 7260	BETA 7270	BETA 7260 AL	BETA 7270 AL
<b>Table and main crop elevator</b>					
Cutting widths available	m	4.80 to 6.60	5.40 to 6.60	4.80 to 6.60	5.40 to 6.60
Reel drive		Mechanical Variator			
Table and elevator reverser		Standard			
Table features		Automatic cutting height control			
Auto Level		●	●	●	●
Powerfeed Roller		●	●	●	●
<b>Hi-inertia cylinder</b>					
No. of bars		8 + 8 ballast bars			
Width / Diameter	mm	1340 / 600	1600 / 600	1340 / 600	1600 / 600
Speed range	rev/min	380 to 1210	430 to 1310	380 to 1210	430 to 1310
<b>Concave</b>					
No. of bars		12			
Wrap angle	degrees	106			
Area	m <sup>2</sup>	0.83	0.99	0.83	0.99
<b>Rotary separator</b>					
Width / Diameter	mm	1310 / 600	1560 / 600	1310 / 600	1560 / 600
<b>Separator concave</b>					
No. of bars		8			
Wrap angle		57			
Area	m <sup>2</sup>	0.46	0.54	0.46	0.54
Rotating concave system		●	●	●	●
<b>Straw walkers</b>					
No. / No. of steps		5 / 4	6 / 4	5 / 4	6 / 4
Separation area	m <sup>2</sup>	6.7	8	6.7	8
<b>Shaker shoe</b>					
Grain pan with high dividers		●	●	●	●
2 adjustable sieves + extensions		●	●	●	●
Total area	m <sup>2</sup>	4.67	5.58	4.67	5.58
Type of fan		Full width blade type fan			
Fan speed	rev/min	350 to 1050			
Returns to cylinder		●	●	●	●
Fan speed adjustment		Electrical, in cab			

		<b>BETA 7260</b>	<b>BETA 7270</b>	<b>BETA 7260 AL</b>	<b>BETA 7270 AL</b>
<b>Grain tank</b>					
Capacity	litre	9000	9000	8200	8200
Unloading rate	l/sec	105	105	105	105
Auger length	m	5	5	5	5
Unloading height	m	4.45	4.45	4.45	4.45
<b>Residue handling</b>					
Straw chopper		●	●	●	●
Straw chopper hood with electrical deflectors		○	○	○	○
Chaff spreader		○	○	○	○
<b>Engine</b>					
Make/type		SISU / 74 ETA	SISU / 84 ETA	SISU / 74 ETA	SISU / 84 ETA
Capacity	litre	7.4	8.4	7.4	8.4
Power (ISO)	hp/kW	275 / 202	305 / 225	275 / 202	305 / 225
Fuel tank capacity	litre	450	450	450	450
<b>Transmission</b>					
Type / No. gears		Hydrostatic / 4	Hydrostatic / 4	Hydrostatic / 4	Hydrostatic / 4
<b>Tyres</b>					
Front		800/65 R 32	800/65 R 32	650/75 R 32	650/75 R 32
Rear		460/70 R 24	460/70 R 24	460/70 R 24	460/70 R24
Front optional		650/75 R 32	650/75 R 32		
Front optional		710/75 R 34	710/75 R 34		
<b>Cab</b> XLR with heater, air conditioning, electrically controlled rear view mirrors, air suspended seat, 3D steering column, Agritronicplus monitor system					
<b>Options</b>					
Auto Level Combine Option		○	○	●	●
High performance top sieve for maize		○	○	○	○
Fan speed reduction	rev/min	270 to 840, option			
<b>Dimensions</b>					
Overall length without table	mm	8370	8370	8560	8560
Width without table, standard tyres	mm	3585	3850	3540	3815
Weight	kg	12450	13650	12950	14150
<b>Accessories</b> On request					
4WD rear axle (standard on Auto Level version), fan speed reduction, maize kit, pea and bean kit.					



### **Design, testing and manufacturing**

Massey Ferguson has a long tradition of innovation and engineering excellence. Based on continual questioning and analysis of farmers' needs, our products are designed, tested and built using the latest manufacturing techniques to enhance your productivity, efficiency and convenience.



### **World's largest distribution network**

With a network of more than 5000 dealer outlets in over 140 countries, Massey Ferguson can claim to have the world's most comprehensive farm machinery distribution network, dedicated to providing local service of the highest calibre.



### **Financial support**

Massey Ferguson retail finance schemes are widely available to help fund machinery purchase. With the emphasis on flexibility, these schemes are tailored to customers' specific business needs and to take account of cash flow and seasonal business cycles. Depending on the market, financial options include leasing, hire purchase, contract hire and loan facilities.



### **manager service contract**

### **manager service and repair contract**

Imagine a 5 year period of known running costs, operating at a level of optimum machinery uptime. Your Massey Ferguson dealer provides vital support to assist with the important task of budgeting expenditure. A manager service and repair contract details the hourly cost for routine maintenance and repair cover carried out on your machine by your dealer. A machine is less likely to fail if maintained by skilled Massey Ferguson technicians operating to the manufacturer's routine maintenance schedule.

There is no substitute for having a team behind you equipped with the latest technology in diagnostic and testing equipment plus years of experience and training, which means they service your machinery with a 'preventative eye', thus minimising risk of future failure.

Every effort has been made to ensure that the information contained in this publication is as accurate and current as possible. However, inaccuracies, errors or omissions may occur and details of the specifications may be changed at any time without notice. Therefore, all specifications should be confirmed with your Massey Ferguson Dealer or Distributor prior to any purchase.



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