

**MF 7200 ACTIVA**



**Cost-effective, flexible harvesting**

**3 models: 5 or 6 Straw walkers**



**MASSEY FERGUSON**

## Ideal machines for the demanding harvest

**The Massey Ferguson Activa range of combine harvesters offers modern, straightforward technology for cost-effective, flexible harvesting.**

You need a combine that offers you problem-free harvesting, all season. You want to harvest your crops with ease and in comfort and be able to concentrate on the harvest, not on the machine.

MF 7244, MF 7245, MF 7246 Activa combines are the best choice for harvesting a wide range of crops, from grass seeds and cereals to maize and sunflowers.

Activa combines are designed to allow you to harvest in all conditions, with the total peace of mind needed to ensure high quality work.

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.

At harvest time, every minute counts; that's why we need to provide you with high-performance and reliable machines.

With combines from the MF Activa range, you are sure of making the right choice.



<b>Model</b>	<b>Power hp/kW ISO</b>	<b>No. of straw walkers</b>	<b>Grain tank capacity (litres)</b>
<b>MF 7244</b>	220/160	5	7000
<b>MF 7245</b>	255/186	5	7000
<b>MF 7246</b>	255/186	6	7500



## Reliability and performance are their strong points

Activa combines are subjected to strict quality controls during production in order to deliver machines that provide total peace of mind during the harvest and maintain a high resale value.

These machines are built on an extremely strong, rigid chassis, so they are ideal for harvesting cereals, maize or rice – a crop that requires a high degree of effort and is very abrasive.

Every component has therefore 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 machine is galvanized and 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 Activa combines are designed for harvesting a wide variety of crops.

The table consists of a welded frame to which bolt-on panels are attached. These panels, for example the table bottom plates, can be replaced easily 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.

Most reel adjustments are made using the hydro lever in the cab. Automatic cutting height control is standard on all machines to optimise table performance on all types of terrain.



All Activa combines have the option of being fitted with an Auto Level table, which is able to follow changes of up to 8% in ground contours



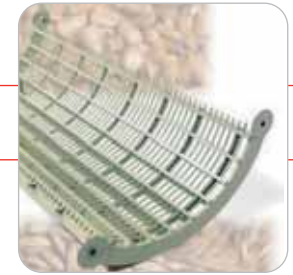


All Activa combines are fitted with 'TERRA-CONTROL' cutting height control as standard. This device has 2 measurement ranges, depending on the type of crop. From 5 to 18 cm for low crops such as peas and cereals and from 10 to 50 cm for tall crops such as rape or sunflowers. The cutting height is adjusted via the Agritronic monitor in the cab.

## The key to performance

Equipped with a sturdily designed cylinder with 8 rasp bars and a heavy-duty concave, these machines are able to effectively thresh the majority of crops with ease. The concave has differentiated wire spacing. The rear section of the concave has half the number of wires as the front section. This provides the optimum balance between high threshing ability and good grain flow through the concave. Unique to the Activa combine is independent adjustment of the front and rear of the concave. This can be made from the cab, enabling the operator to select the best settings for more output and less crop damage.

This makes it possible to work with the concave in the parallel position, increasing the output when conditions allow and preserving the quality of the straw.



Two levers adjust concave clearance front and back



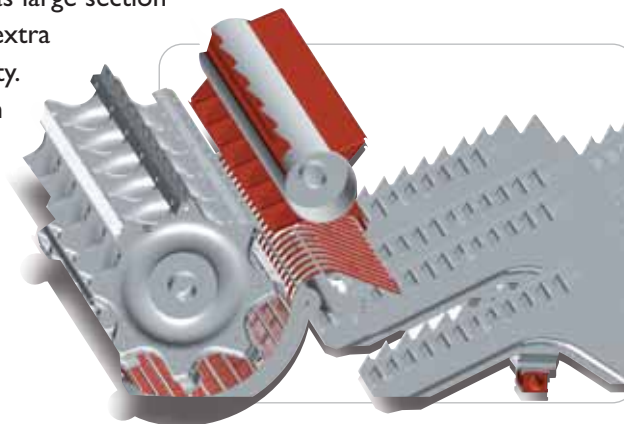
Cylinder speed remains constant due to significant wrapping of the variator pulleys, so optimising machine performance



## ABC Module : Active Beater Concave

This innovative unit, located under the rear beater, has large section fingers and offers several advantages. It provides an extra 14° of concave wrap, thus increasing threshing capacity. It also controls the straw flow onto the walkers from the rear beater, which improves separation.

Its angle can be adjusted to different positions, depending on the straw length and moisture level, to optimise separation on the straw walkers.



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



The long straw walkers feature 4 steps with “active walls”. The vertical sections of the walker steps are 210 mm high punched grids, like the horizontal grids. This gives extra open surface area for more efficient grain flow after separation. The front steps are made of thicker metal, to deal with the high flow of straw from the ABC module.

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 Activa combines is specifically designed to give these machines unrivalled chopping and spreading performance, ideal for those looking to use minimum till operations.**

The rotating knives in the straw chopper are serrated to give a clean chop and reduce the power requirement. The stationary knives, which are serrated, and the straw chopper hood are fully adjustable to ensure complete control over the quality and spread of the chopped straw. There is an adjustable dimpled plate that deflects the chopped straw back up into the rotating knives for a finer cut.

The straw chopper is engaged automatically, once the straw deflector plate and the chopper hood are in the correct position.

The chopper can be very quickly converted for harvesting maize by changing the speed and adjusting the deflector plates in the hood.



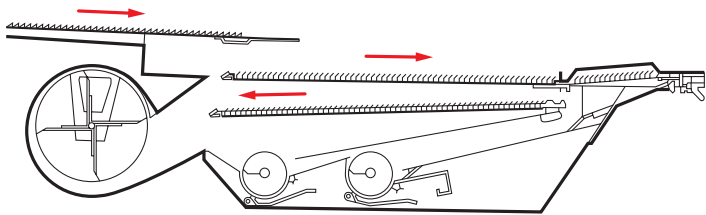
A chaff spreader is also available as an option on all models

## The simplest is still the best

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

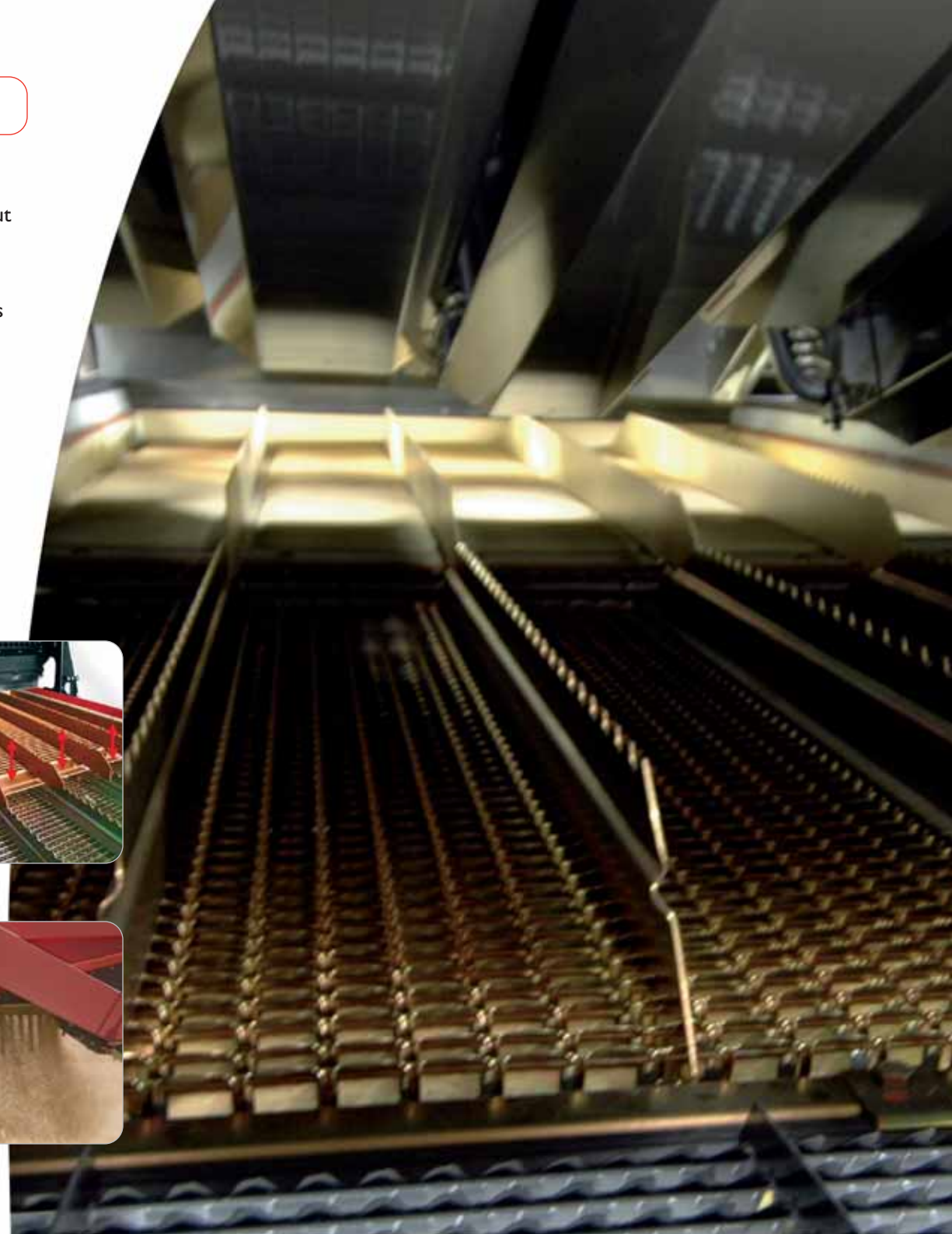
Before reaching the sieves, the crop is directed to the grain pan, which has high dividers to reduce grain movement across the pan on slopes. This gives excellent distribution of the grain and chaff over the sieves, optimising the machine's capacity when working on undulating ground.

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 to improve the sample and allow you to open the sieves wider for greater throughput. The design also enables one person to remove and clean the sieves easily between crops.



## Grain tank

The grain tank offers plenty of capacity (7000 or 7500 litres depending on the model) while unloading rates of 85 l/sec maximise harvesting time. The unloading auger gives adequate height and reach to fill any trailer and the grain level alarm in the tank also keeps the driver informed on progress for unloading.

And, as you'd expect, the grain elevator augers and caps have 'Hardox' hardened ends for maximum service life.

Indeed, wherever there are changes of direction in the grain handling areas, the auger flighting is double thickness.

The end caps are also bolted so they that they can be replaced easily and economically.



The 4.20 m height of the unloading auger in the horizontal position allows the grain tank to be emptied into high-sided trailers, with ease



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





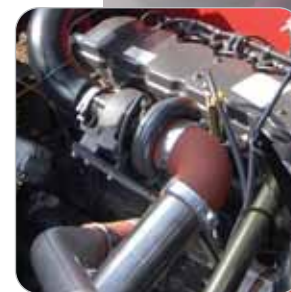
## Engine / Transmission

Activa combines are powered by the latest generation Iveco engines. These electronically controlled engines, complete with common rail injection, deliver the power needed for constant 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 of conditions. An inspection walkway provides safe access to the radiators.

The Activa transmission is a 3-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 of the console.



## Performance at your fingertips

The XL cab on Activa combines comes with the comfort levels you would expect on a machine of this class. With air conditioning, heating, deluxe suspended seat, passenger seat and adjustable steering column, you can be assured of a relaxed, comfortable harvest. A clear view of the table is complemented by the ergonomic layout of the monitors and controls. Electrically adjusted mirrors are standard giving the operator an excellent view of the unloader and the to rear of the machine.

The Agritronic monitor and right-hand console provide all the information the operator needs during harvesting. Most cutting table controls are grouped on the hydro lever in the cab and are clearly identified, so adjustments can be made with ease, for efficient harvesting.



The steering column adapts to the operator's driving position



All controls are neatly positioned on the right hand side of the operators seat



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

## 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 Activa 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 simplicity of the drives allows fast replacement of belts. This is a low cost repair which can be carried out without the need for special tools or training. The main drive engagements for the threshing unit, table, unloader and straw chopper are simple over-centre belt arrangements, where the tension is held by spring pressure requiring simple spring length checks for adjustment.

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



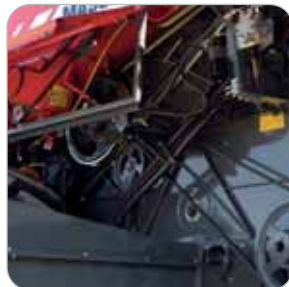
Easy access to table drives



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



Hinged side panels give clear access to main drives and belts



# Specifications :

● = Standard equipment    ○ = optional equipment

		ACTIVA 7244	ACTIVA 7245	ACTIVA 7246
<b>Table and main crop elevator</b>				
Cutting widths available	m	4.20 to 6.00	4.80 to 6.00	4.80 to 6.60
Reel drive		Mechanical Variator		
Table and elevator reverser		Standard		
Table features		Automatic cutting height control		
Auto Level		○	○	○
<b>Cylinder</b>				
No. of bars				8
Width / Diameter	mm/mm	1340 / 600	1340 / 600	1600 / 600
Speed range	rev/min	380 to 1210	380 to 1210	430 to 1310
<b>Concave</b>				
No. of bars		12		
Wrap angle	degrees	106		
Extra wrap angle provided by ABC module	degrees	14		
Area	m <sup>2</sup>	0.83	0.83	0.99
<b>ABC Module</b>				
3-position adjustment		●	●	●
<b>Straw walkers</b>				
No. / No. of steps		5 / 4	5 / 4	6 / 4
Separation area	m <sup>2</sup>	5.73	5.73	6.81
<b>Shaker shoe</b>				
Grain pan with high dividers		●	●	●
2 adjustable sieves + extensions		●	●	●
Total area	m <sup>2</sup>	4.67	4.67	5.58
Type of fan		Volumetric blade type fan		
Fan speed	rev/min	350 to 1050		
Returns to cylinder		●	●	●
Fan speed adjustment		Electrical, in cab		
<b>Grain tank</b>				
Capacity	litre	7000	7000	7500
Unloading rate	l/sec	85	85	85
Auger length	m	4	4	4
Unloading height	m	4.18	4.21	4.21

		ACTIVA 7244	ACTIVA 7245	ACTIVA 7246
<b>Residue handling</b>				
Straw chopper		●	●	●
Electric deflectors for the straw chopper hood		○	○	○
Chaff spreader		○	○	○
<b>Engine</b>				
Make/type		IVECO NEF	IVECO NEF	IVECO NEF
Capacity	litre	5.8	5.8	5.8
Power (ISO)	hp/kW	220 / 160	255 / 186	255 / 186
Fuel tank capacity	litre	450	450	450
<b>Transmission</b>				
Type / No. gears		Hydrostatic / 3	Hydrostatic / 3	Hydrostatic / 3
<b>Tyres</b>				
Front		620/75 R30	650/75 R 32	650/75 R 32
Rear		16.0/70-20	460/70 R24	460/70 R24
Front optional		650/75 R 32	620/75 R34	620/75 R34
Front optional		800/65 R 32	800/65 R 32	800/65 R 32
Rear optional		460/70 R24		
<b>Cab</b>				
XL with heater, air conditioning, electrically controlled and heated rear view mirrors, mechanical seat, adjustable steering column, Agritronic monitor unit.				
<b>Options</b>				
High performance top sieve for maize		○	○	○
Fan speed reduction	rev/min	_____ 270 to 840, option _____		
<b>Sizes</b>				
Overall length without table	mm	8370	8370	8370
Width without table, 650/75R32 tyres	mm	3280	3280	3560
Weight without table	kg	10100	13650	12950
<b>Accessories</b>				
<b>On request</b>				
		_____	Chaff spreader	_____
		_____	Maize kit, pea kit	_____
		_____	4WD rear axle	_____
		_____	Multi-coupler	_____



### **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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