

MF 7200 CEREAL

MASSEY FERGUSON

**High performance combines for
the progressive farmer**



MASSEY FERGUSON

CEREA combines: Performance combines for professional farmers and contractors

Your farm is changing; it's getting larger yet must be run with lower costs. Your machine investment is changing; you're buying fewer machines with higher output. And the crops you grow are changing; new varieties treated with new fungicides are tougher to harvest and make the timeliness of that harvest fundamental.

The goals are clear - lower running costs with more output. A CEREA choice for all; high performance features with a build quality and specification that ensures built-in reliability.





Contents	Page
Introduction	2
CERE A combines	2
Powerflow table	4,5
Constant Flow	6,7
Gentle and effective	7
Fast grain handling	8
HiStream 100	9
33% more output	10
Auto Level	11
Residue handling	12,13
A perfect position	14,15
Spend more time harvesting	16
Making the most of your resources	17
Datavision	18
Specifications	19
Support	Back cover

Model	Auto Level Available	Gross hp	No. straw walkers	Grain tank capacity (litre)
CERE A 7274	✓	340	8	9500
CERE A 7278	✓	387	8	10500*

* 9500 litre on Auto Level models

The Powerflow table... it does not get any better than this

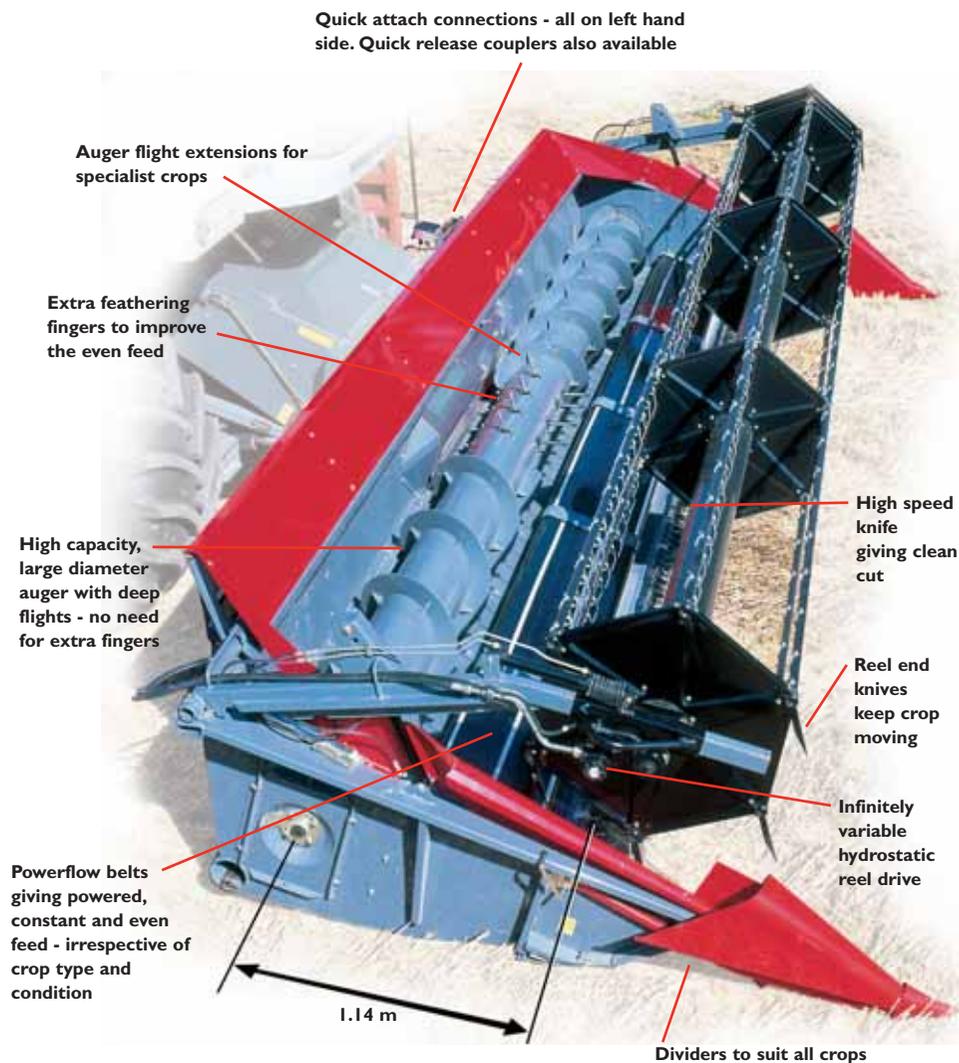
The Powerflow table is unique to Massey Ferguson and is proven to provide up to 15% increased output in standing cereals.

In crops such as rape and linseed, peas, beans and rye, it outperforms all other headers with increased output in the order of 50% or more.

Its superior performance in adverse conditions is produced by powering the crop into the auger, which eliminates shatter losses and provides a continuous feed, whatever the conditions.

How does it do this?

The hard wearing belts power the crop from the knife to the auger, speeding and smoothing the flow to the auger. Their speed can also be adjusted for different crops. Table losses are minimised as the distance from the knife to the auger is a massive 1.14 m. The Powerflow belt also keeps wear to a minimum through positive ejection of stones from the table. The view from the cab is also enhanced with the position of the knife, and damage from stones can often be avoided as the operator has time to see them.



Hydrostatic reel drive: Infinitely variable reel speed from the main control lever, gives positive crop feed at all times to maintain output.



Multi-coupler attachment: All attachments are made from the left side making turn around much quicker and easier for the operator, the optional multi-coupler protects the connections and ensures right-first-time attachment.



Hydraulic reverse: Strong, slow, protected reversing system uses a hydraulic motor to reverse the table and elevator in marginal conditions.

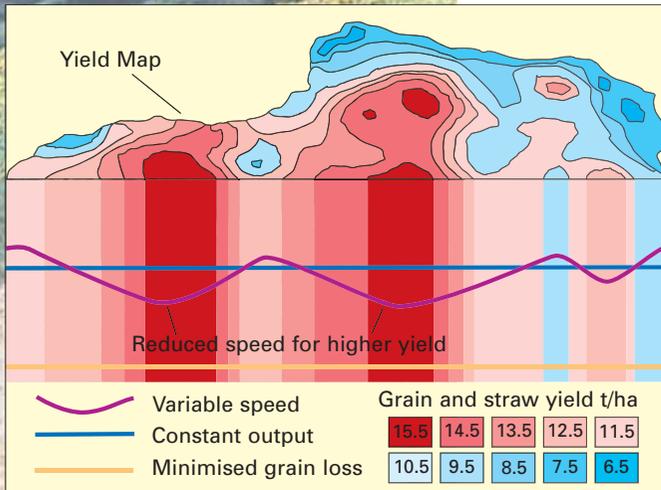


High capacity rape auger option: For increased output in the latest tall rape varieties and a more even feed, the rape auger is hydraulically driven, to further speed up harvesting with minimal crop losses. This offers maximum crop flexibility as there is no need to remove the auger to harvest other crops that ripen at the same time; ideal for contractors.

Constant Flow ... even cylinder load, for efficient threshing



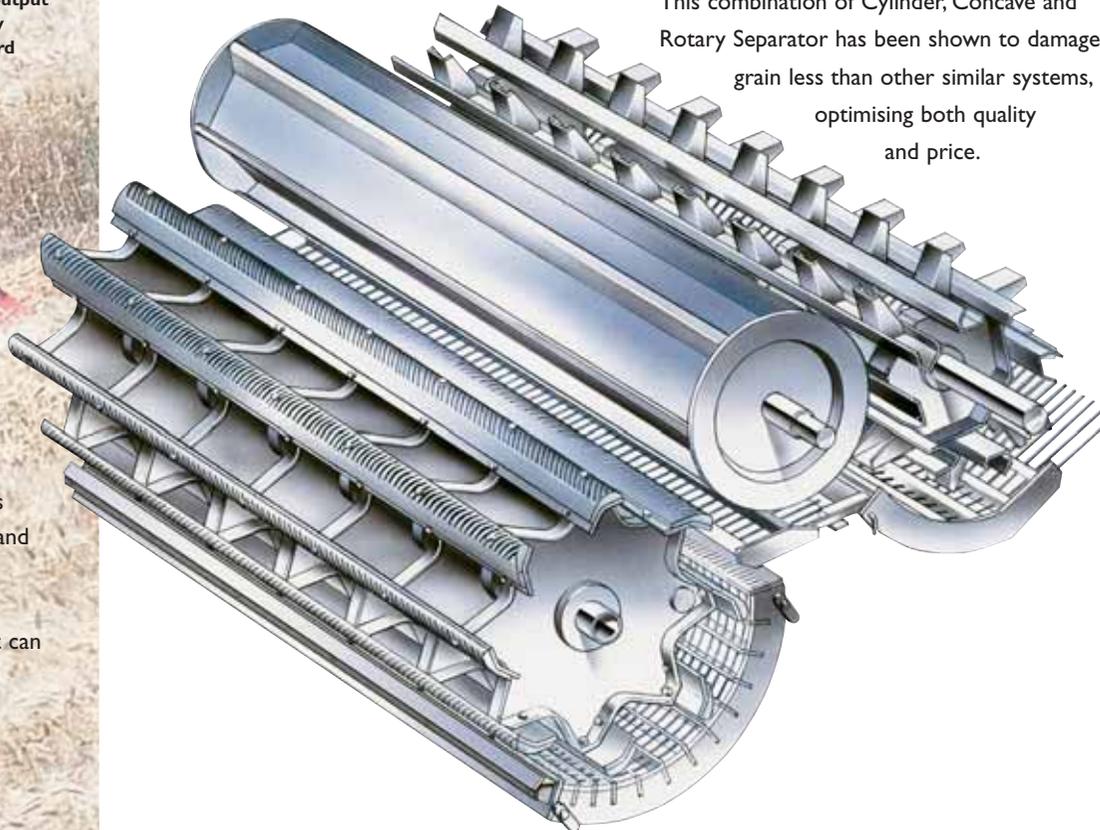
Gentle and effective



Constant Flow automatically improves output by keeping the cylinder and concave fully loaded. It does this by varying the forward speed of the combine.

Constant Flow ... Smart Option

The key to increased output is to keep the combine fully loaded. When the crop thins, the combine needs more material to keep everything running at 100% capacity. Constant Flow achieves this by sensing the load on the cylinder and electronically varying the combine forward speed to match the crop. Increases of up to 15% more output can be made in many crops.



The concave fitted to CEREА machines has been specifically designed for higher output. It is very strong, to resist bowing and the permeability has been increased to let more grain through in the threshing process.

The cylinder rasp bars have backing bars to bring the weight to the outside of the drum giving more momentum for smooth flow in difficult conditions.

This combination of Cylinder, Concave and Rotary Separator has been shown to damage grain less than other similar systems, optimising both quality and price.



The concave can be adjusted by fingertip on the touch screen, giving fast easy control in conditions that need fine tuning. At the same time, it indicates grain loss to ensure correct setting.



Five position lever allows the rotary separator concave position to be easily adjusted to optimise output and straw treatment.

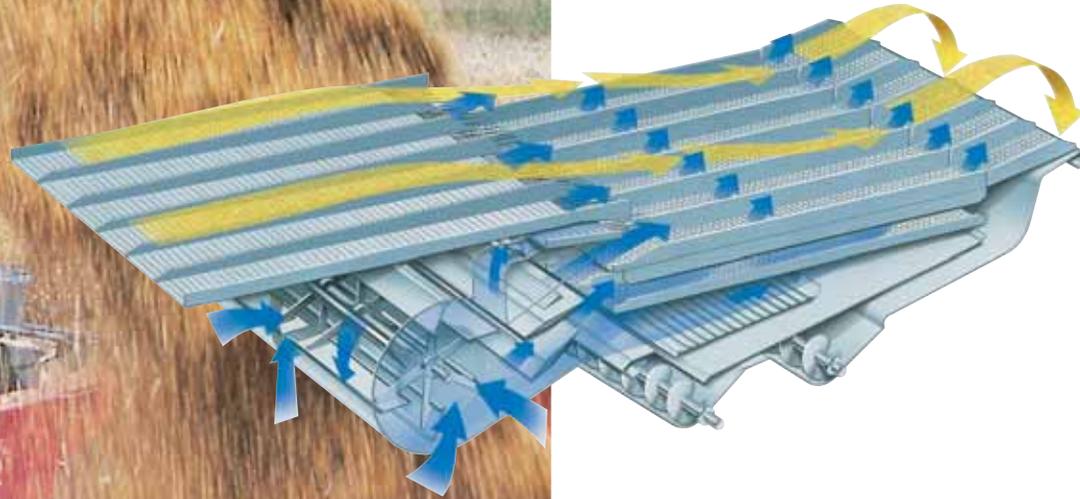
Fast grain handling, to maximise harvesting time



HiStream 100, cleaner grain at higher outputs

The HiStream 100 system is designed to handle large volumes of grain of up to 100 tonnes per hour.

It has a cascade flow grain pan, which delivers separated material for the sieves to clean into high capacity elevators and augers. A separate rethresher avoids overloading the cylinder, so grain damage is minimised and output is maintained.



Model	Grain tank capacity (litre)
7274 CEREAL and AutoLevel	9500
7278 CEREAL	10500
7278 CEREAL AutoLevel	9500

Electrically adjustable sieves

The sieves are adjustable at the touch of a button, and to maintain accuracy, they 'cycle' before being reset. The clever design also means that the sieves can be removed very quickly for cleaning when changing crops.

Datavisation can monitor the volume of the returns indicating if sieve or concave/cylinder adjustment is necessary to maintain the quality of your sample.



The centralised tensioner ensures long life and easy adjustment for the 100 tonne per hour elevator.



Electrically opening tank covers are safer for the operator and encourage shutting when trees may be an obstruction around the headland. Access is very simple for cleaning and the water resistant covers can be left open or closed when harvesting.



33% more output with unique eight-walker system

Eight specially designed walkers shake and tear at the straw separating the last of the grain from the crop.

Walker separation is far more economical than powered movement, saving fuel, money and energy.



Walker Design: The new design of walker has reprofiled sides to transport the straw quicker and provide a more aggressive tearing action. This, coupled with the integral risers on the steps, improves the grain throughput and increases the output of the whole machine.

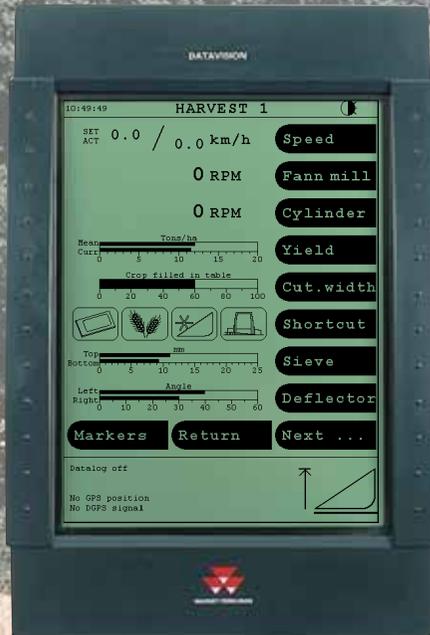


Easy baling: Straw fed through the CEREAL system is less damaged and easier to pick up when swathed with any baler, large or small.

A single lever diverts the straw from the Strawchopper to leave a swath on the ground ready for baling.

Auto Level: Keeping productivity on the level

Both CEREAL combines are available as complete Auto Level machines where the combine rump works independently, adjusting for slopes of up to 12%. Ideal when working in steep or hilly conditions. This enables the combine to work at one hundred percent efficiency for the majority of the time.



Automated table settings are visible to the operator and can be altered via the DATAVISION touch screen very easily and quickly using a 'shortcut' from the main 'Harvest' screen.



Residue handling – the key to lower incorporation costs



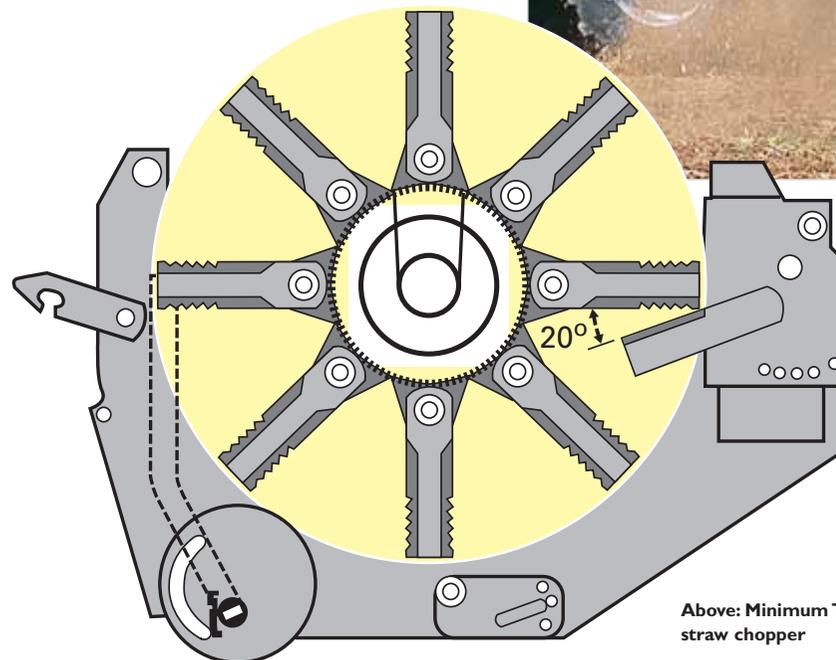
The CERA range is equipped with the Minimum Till straw chopper.

The Minimum Till Chopper has eight rows of serrated blades, with a faster rotor speed than many standard choppers but with double the number of cuts, making the result extremely fine. There is also an adjustable fine cut bar.

This makes incorporation much easier and quicker and provides the perfect base for minimum till operations.

Electric control of deflectors: Fingertip control from the Datavision screen can reverse the deflector settings when turning at the headland. (Optional)

Straw Chopper: The chopper spread of up to 9 m means lower incorporation costs and a faster breakdown of chopped straw.



Above: Minimum Till straw chopper

Chaff Spreader: The Chaff spreader has been designed to spread the full width of the table and to fold conveniently out of the way when access to the sieves is needed. The fully protected hydraulic drive is powerful and efficient.

A perfect position, day or night

Machine output depends very much on the driver in the seat. Because of this, the CEREА cab offers the highest specification driving position to make him as comfortable as possible.

The Multifunction Lever is part of the armrest on the seat, making operating adjustments convenient and easy. As well as the Datavision screen, it can be adjusted precisely to suit the operator's driving preference.

Unlike other controls, different Datavision screens can be selected from the Multifunction Lever, in addition to extending and closing the unloading auger.



Eight work lights as standard ensure round-the-clock productivity, in comfort and safety.



Steering column: Similar to the seat, the 3 way adjustable steering column offers total flexibility.



Fast, accurate unloading

The operator has a perfect view of the unloader working, without straining his neck. Unloader engagement is protected so that it cannot be switched on accidentally; avoiding unnecessary waste.



Key to controls:

1. Table engagement
2. Table lift/lower
3. Automatic return-to-cut
4. Reel position
5. Reel speed
6. Unloading auger extension/return
7. DATAVISION menu selection
8. Forward/reverse speed control





Spend more time harvesting

Four daily greasing points means a quick turn around in the morning. Our engineers have designed the CEREAL to be harvesting for as much time as possible keeping unproductive time to a minimum.

Fast access to all areas

The solid engine cover offers safe and secure access to the grain tank and protects the engine from the elements while closed. When open it offers unrestricted access to the engine service points.

Cooling air for the radiators is effectively filtered by the rotary screen, access for cleaning is quick and easy from the engine bay.

Two-piece side panels provide safe and unrestricted access for routine maintenance, and a detachable engine bay ladder enables the operator to reach every area.



Making the most of your resources

Maize – a full range of high output Maize Headers is available for CEREAL Combines. A special maize equipment kit has been designed for the tough conditions facing maize farmers to prolong the life of the machine. The HiStream 100 grain handling system, which is designed to cope with the high outputs needed for maize, is a standard feature as is the maize compatible crop elevator.



Grass seed/Linseed – To complement the high performance of our tables in specialist seeds, other accessories can be fitted. For example, low speed fan pulleys help to avoid losses in valuable crops, and a special grass seed unloading auger makes unloading faster yet more gentle on delicate crops.



Peas and Beans – A special kit is available for augers and elevator bottoms to remove soil from the sample as this can be a problem with such crops which can bring soil into the combine.

Sunflower - A full range of Sunflower headers is available to fit both CEREAL models.

Oil seed Rape – up your output considerably by choosing a high capacity rape auger for your table. Round hole sieves can be specified to improve your sample even more.



Make sure you take advantage of all the special options available to you. Your MF Dealer will be happy to discuss them. Why struggle with a combine that's not specified to give you the best?

Datavision: your link to efficiency

The Datavision screen is very much part of the combine operation, it is a key tool for getting maximum efficiency from you and your machine.

What can Datavision do for you?

– The screen position is adjustable for comfort and has a clear easy to read display.

– It enables the operator to see up to eight different functions of his choice simultaneously. He can, at a glance, ensure that he is getting the best from his machine.

– You can improve your efficiency, as it is easy to adjust major settings, including sieves and concave clearance, from the screen.

– It makes operation easier by having a single clear point of reference and is large enough to be looked at quickly and understood.

– It provides protection and warnings for the machine and operator, avoiding unnecessary cost and time loss.

– There is a diagnostic feature, which saves time for you and your dealer when servicing or trouble shooting in difficult crop conditions.

– It can provide logging information on yield and combine performance, which forms the basis for Precision Farming.

No-one has more experience than Massey Ferguson when it comes to measuring combine field performance.

This means that you can benefit from this experience by choosing one of the integrated systems for yieldmapping and data logging that we offer. A choice of yield metering equipment is available to match your Precision Farming requirements.



MF 7200 Specifications: ● = Standard ○ = Optional

		7274 CEREAL	7278 CEREAL
Table			
Cutting width - Powerflow	m (ft)	6.8 (22) 7.7 (25)	6.8 (22) 7.7 (25)
Hydrostatic reel drive, 0-50 rev/min		●	●
Knife speed	strokes/min	1080	1080
Pre-set height control		●	●
Table and elevator reverser		●	●
AUTOGLIDE, automatic cutting height control, automatic field pressure control, pre-set stubble height, automatic reel speed.	m	●	●
Pick-up table		○	○
Maize/Sunflower tables		○/○	○/○
Vertical side knives, left/right		○/○	○/○
AUTO LEVEL table		●	●
Crop elevator			
With side opening stone trap		●	●
Hi-inertia cylinder			
Width/Diameter	mm	1680/600	1680/600
Speed range	rev/min	370-1080	370-1080
Peripheral speed	m/sec	11.6-33.9	11.6-33.9
Concave			
No. of bars/Angle of wrap	No./degrees	12/117	12/117
Area	m ²	1.06	1.06
Maize concave		○	○
Straw walkers			
Number/number of steps		8/5	8/5
Effective separation area	m ²	9.9	9.9
Rotary Separator		○	●
Shaker shoe			
2 electrically adjustable sieves, area	m ²	5.3	5.3
Sieves with slope control		●	●
Returns system			
Independent rethresher		●	●
Fanning mill			
Centrifugal		Double	Double
Speed range	rev/min	450-1100	450-1100
Electric adjustment		●	●
Grain tank			
Capacity	- Standard litre	9500	10500
	- AutoLevel litre	9500	9500
Discharge time/height	sec./m	110/4.2	110/4.2
Electrically controlled lids		●	●
Yield meter/monitor		○/○	○/○
Continuous moisture meter		○	○

		7274 CEREAL	7278 CEREAL
Residue handling			
Chaff spreader		○	○
Minimum till chopper, with 108 serrated knives		●	●
Electric deflectors		○	○
Engine			
Power	Gross hp	340	387
Type		645 DSBAEL	645 DSBAEL
Capacity	litre	8.4	8.4
Aspiration		Turbo/ Intercooler	Turbo/ Intercooler
Fuel tank capacity	litre	750	750
Transmission			
Hydrostatic		●	●
Number of gears		4	4
Speed range	km/h	0-25.0	0-25.0
Tyres			
Front - from		650/75R32TL172	800/65R32TL172
- to		1050/50R32*	1050/50R32*
Rear - from		500/60-26.5	500/60-26.5
- to		600/55-26.5	600/55-26.5
* 1050/50R32 not available on AutoLevel models			
Brakes			
Hydraulic, plus hand operated parking brake		●	●
Cab			
Integral, pressurised, tinted glass		●	●
Two mirrors	electric	●	●
Air conditioning		●	●
DATAVISION II		●	●
Air seat		●	●
Radio/CD		●	●
Weights and dimensions (with full fuel tank)			
Overall length - with table	m	10.02	10.68
Overall height	m	4.00	4.00
Width	- less table m	3.82	3.82
Weight	- less table kg	13800	13880
	- with 'standard' table kg	15500	16320
Variable equipment			
AUTO LEVEL combine		○	○
Yield Mapping		○	○
Automatic table trailer hitch		○	○
Table trailer/winch		○/○	○/○
Round hole sieve		○	○
Constant Flow		○	●
Rear wheel drive		○	○
Straw chopper vibration and returns sensor		○	○
Yield Monitor		○	○



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 dealers 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 customer's 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.



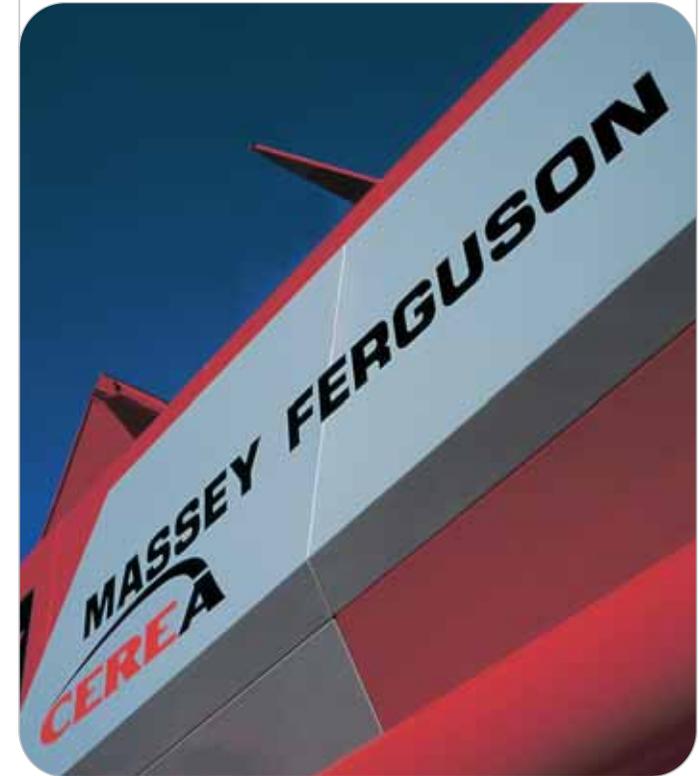
manager service contract

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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