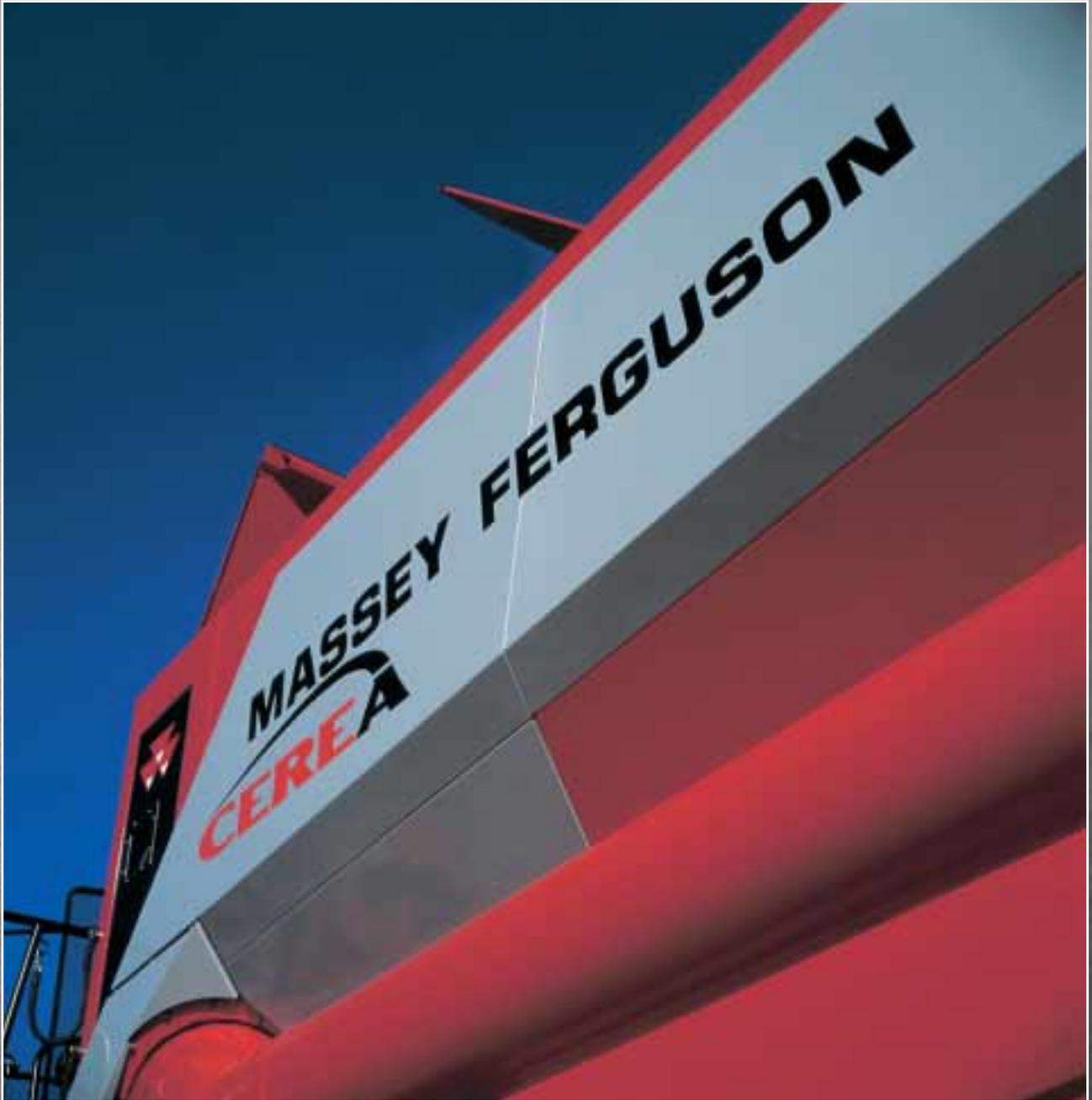


CEREA

7256 7272 7274 7278



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 new CEREA range offers a wider choice for farmers in all sizes of operation.

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



Model	Auto Level Available	Gross hp	No. straw walkers	Grain tank capacity (litre)
CEREA 7256	✓	270	5	8000
CEREA 7272	✓	291	8	8000
CEREA 7274	✓	340	8	9500
CEREA 7278	✓	387	8	10500*

* 9500 litre on Auto Level models



Contents	Page
Introduction	2
The CEREA Range	2
Powerflow Table	4,5
Freeflow & AutoLevel	6,7
Constant Flow	8
Even threshing	9
Straw handling	10,11
Grain handling	12,13
Straw incorporation	14,15
Cab and Controls	16,17
DATAVISION	18
Yield Mapping and Fieldstar	19
Simple maintenance	20
Tables for all crops	21
Specifications	22,23
Support	Back cover



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 remove the auger to harvest other crops that ripen at the same time; ideal for contractors.



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.



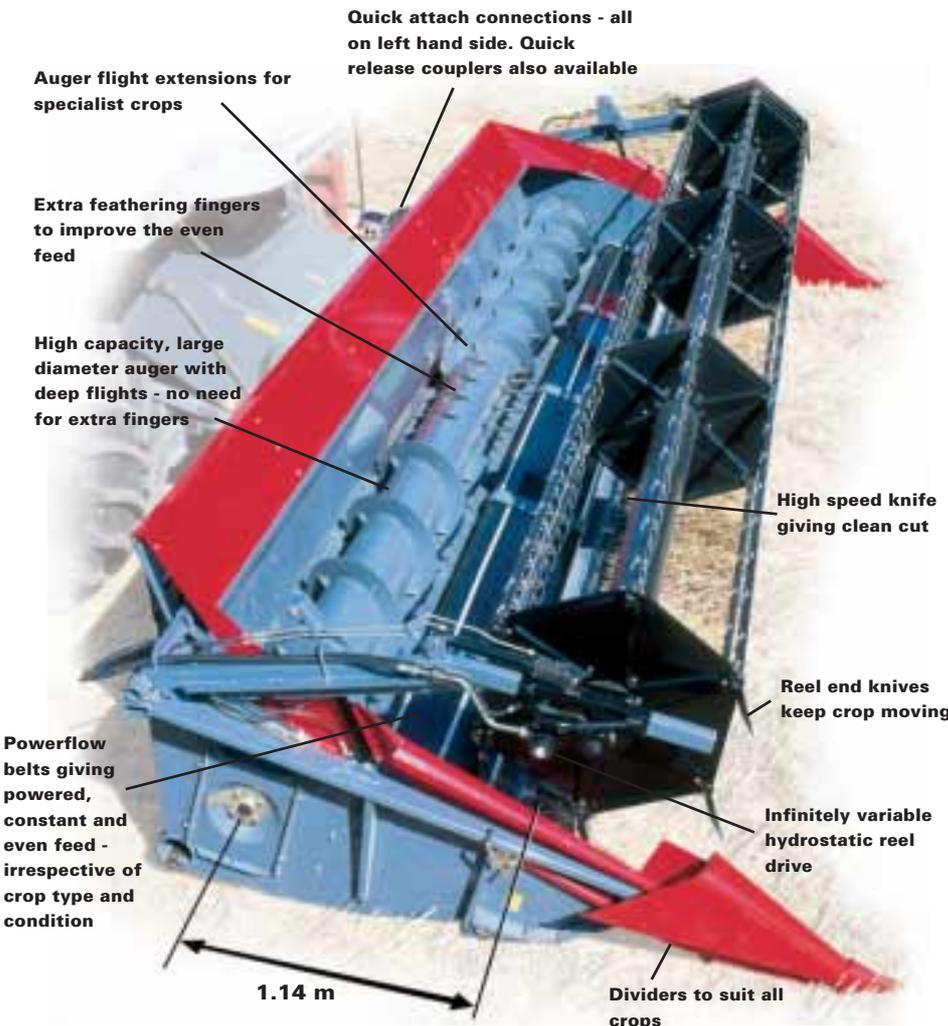
Hydrostatic reel drive: Infinitely variable reel speed from the main control lever, gives positive crop feed at all times to maintain output.



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 (8 walker models only): Strong, slow, protected reversing system uses a hydraulic motor to reverse the table and elevator in marginal conditions.



Auto Level: Keeping productivity on the level

All CERA combines are available as complete Auto Level machines where the combine rump works independently, adjusting for slope 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.



The standard option

Setting the standards for conventional tables, the Freeflow table option from 4.95 m (16 ft) upwards is available on all CEREAs models. Its ability to handle all crops stems from its high capability in grass seed.

The flat bottomed, armour plated skids enable it to hug the ground in laid crops and the high reel position enables you to harvest delicate crops with little table loss. With its low knife position, there is little need to use croplifters, reducing wear and tear and the risk of consequential straw chopper damage.

Auto Level; increased output on all terrain

The Auto Level table option (standard on CEREAs 7278) is available on the Powerflow and Freeflow header. This will maintain height and automatically follow the contours on uneven ground, leaving the operator to concentrate on unloading and other tasks.

In short crops growing close to the ground, further **Autoglide** features on the table enable you to skim the surface without taking soil into the combine, whilst automatically maintaining the correct reel speed for forward travel.



Hydraulic reel drive: the reliable, protected reel drive is fully adjustable from 0 – 50 rev/min and ensures quick reaction from either the automatic reel speed control or the operator in difficult conditions, avoiding blockages and wasted time.



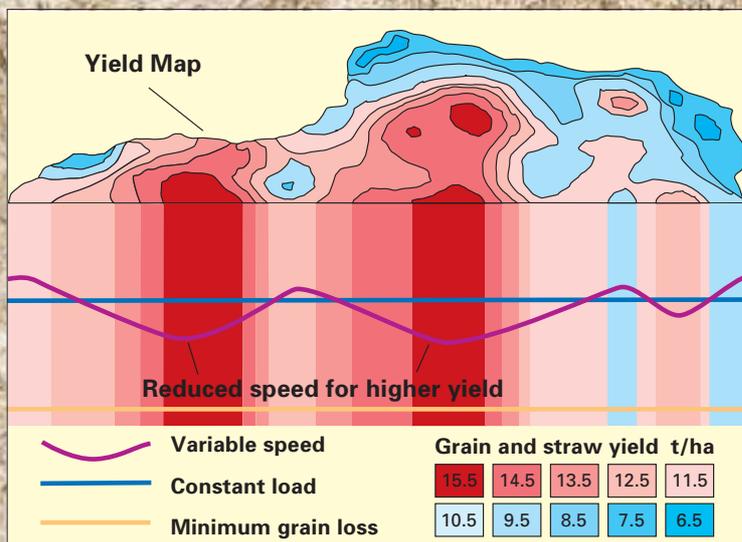
Massey Ferguson produces a range of specialist maize and sunflower equipment to suit all sizes of operation for all CEREAs combines. The 100 tonnes per hour elevator capacity was specifically developed for the high outputs possible with the CEREAs in maize.



Multi Function Lever: All reel controls and table height functions are at the operator's fingertips, making changes quick and smooth and saving time and effort in changing conditions. Positive action switches allow the operator to make changes effortlessly, improving output.



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



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

Gentle and effective

The concave fitted to CEREA 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.

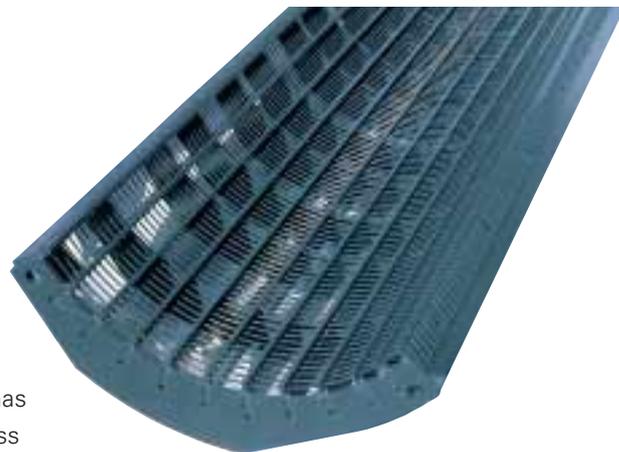
The cylinder rasp bars have backing bars to bring the weight to the outside of the drum giving more momentum for smooth flow in difficult conditions

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 Rotary Separator is optional on the CEREA 7256 and 7272

Constant Flow ... Smart Option

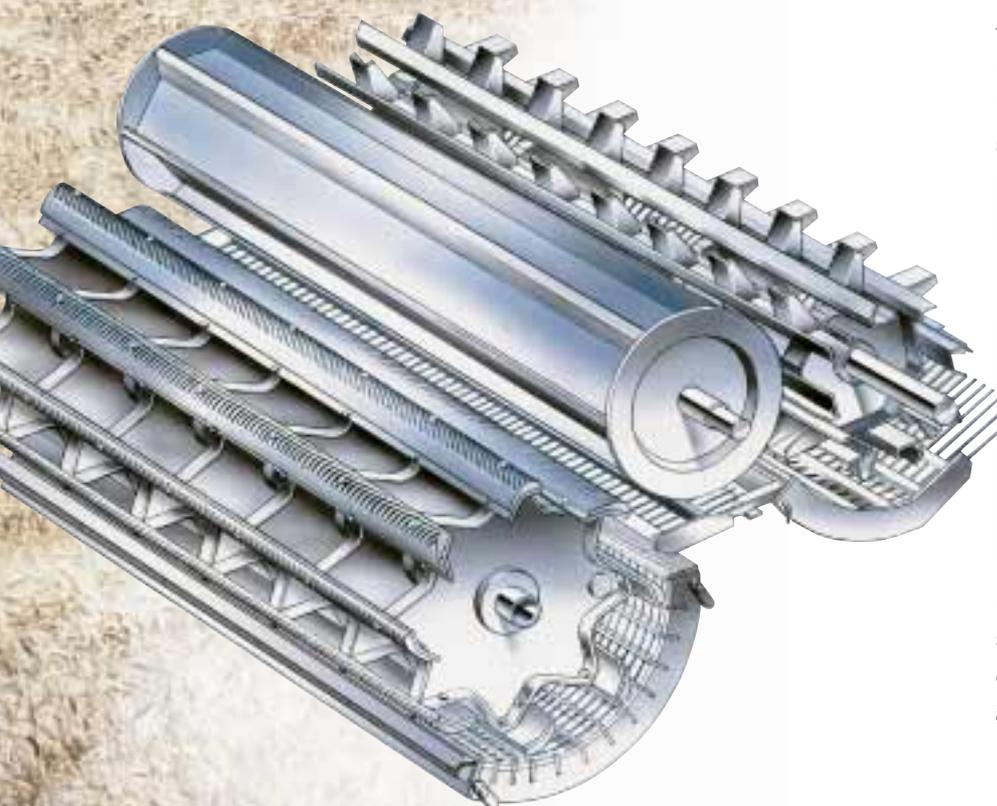
The key to increased output is to keep the combine fully loaded. When the crop thins, the combine needs more material to keep everything running at 100% capacity. Constant Flow achieves this by sensing the load on the cylinder and electronically varying the combine forward speed to match the crop. Increases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



The 12 bar **CEREA concave** is an extremely strong design to cope with new varieties of tough strawed wheat.



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.



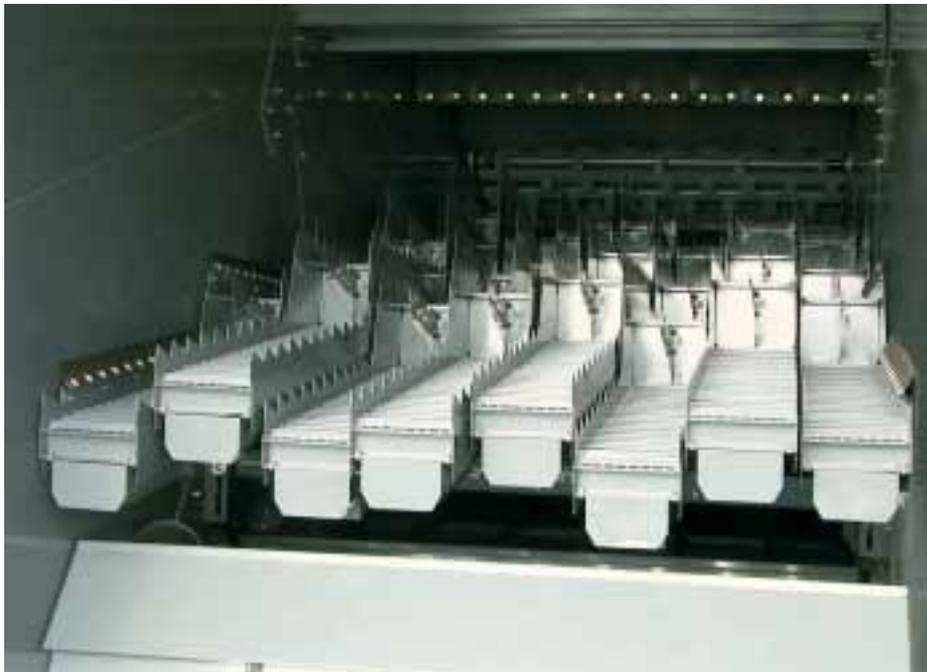
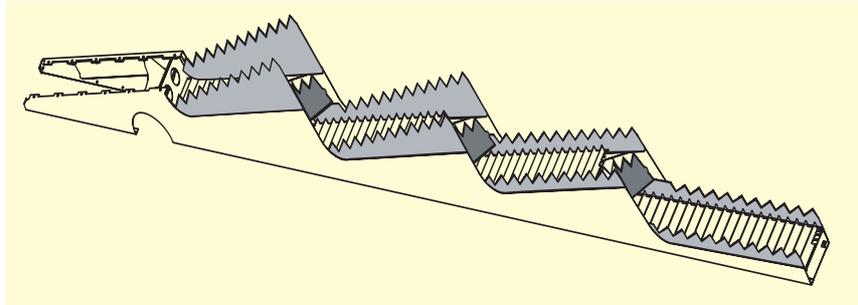
Five position lever allows the rotary separator concave position to be easily adjusted to optimise output and straw treatment.



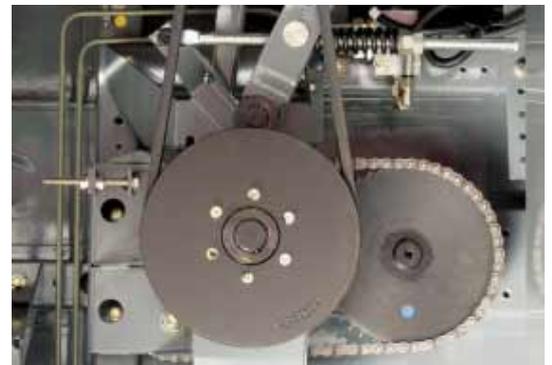
A single lever disengages the **Strawchopper** to leave straw in swaths. Being mechanical, the link is safer and means there's no chance of blocking the walkers.

33% more output with unique eight walker system

Eight specially designed walkers (five, MF 7256) 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.



Walker drive: Tests have shown that a constant speed for the walkers improves the efficiency of their action. This even speed is achieved on the CERA by using a separate walker drive.



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



Fast grain handling, to maximise harvesting time

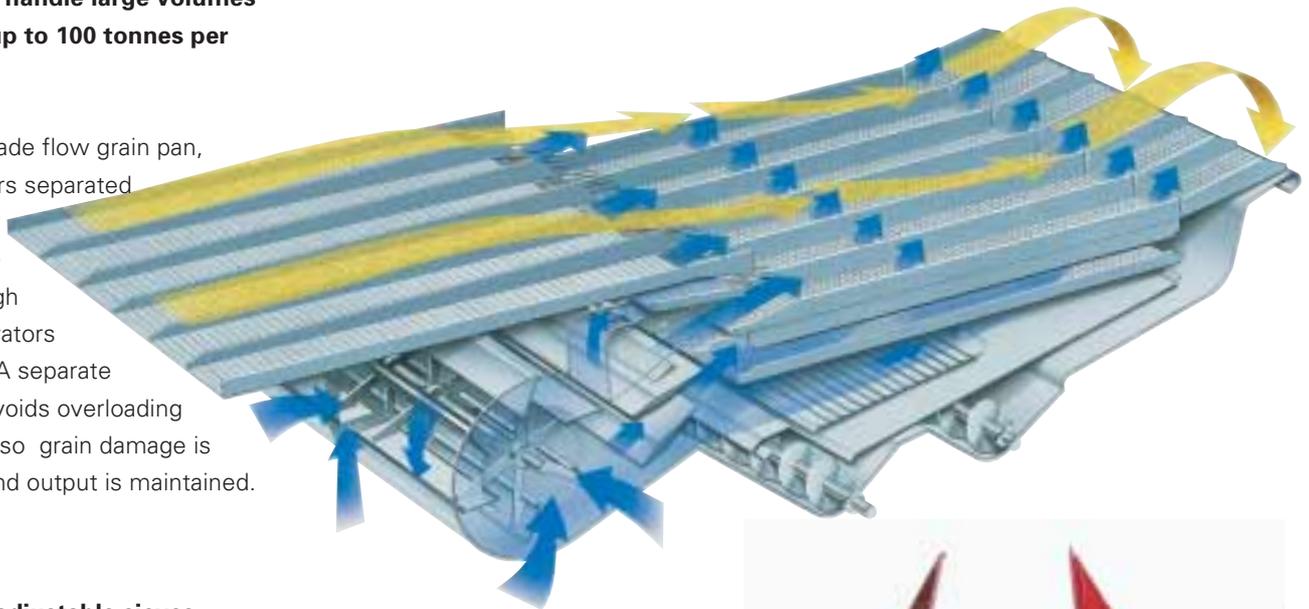
Model	Grain tank capacity (litre)
7256 CERA and AutoLevel	8000
7272 CERA and AutoLevel	8000
7274 CERA and AutoLevel	9500
7278 CERA	10500
7278 CERA AutoLevel	9500



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.



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 very quickly removed for cleaning when changing crops.



Datavision can monitor the volume of the returns indicating 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.



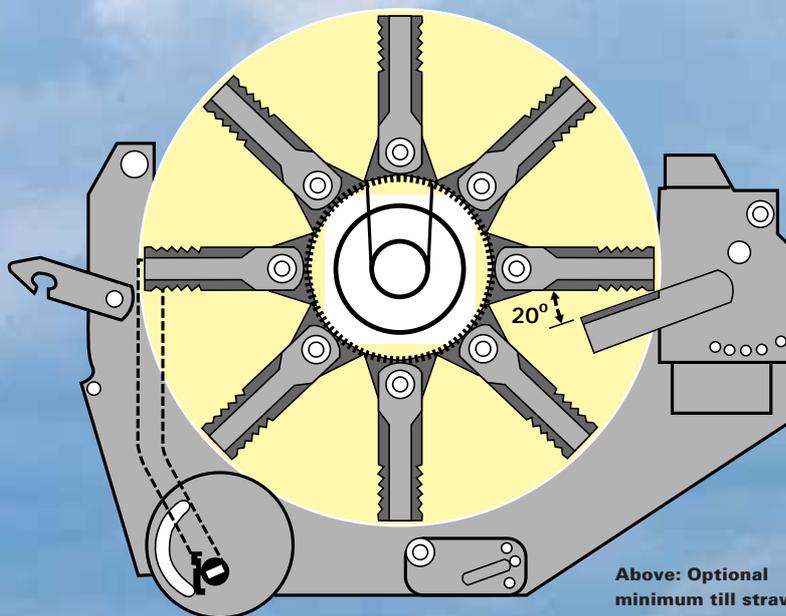
Residue Handling – the key to lower incorporation costs

The CEREAL range has been equipped with two options of straw chopper.

The first is the conventional four row unit that has an adjustable fine cut facility for smaller chop lengths; ideal where ploughing is normal practise.

The second, is the Minimum Till Chopper. It has 8 rows of serrated blades, with a marginally faster rotor speed than the standard chopper 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.



Above: Optional minimum till straw chopper





Electric control of deflectors:

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



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

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





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.



Reversing Camera: An optional reversing and observation camera provides security and safety for the operator and machine. Having a 'night' setting, it is also very flexible.



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.



Making the most of your resources

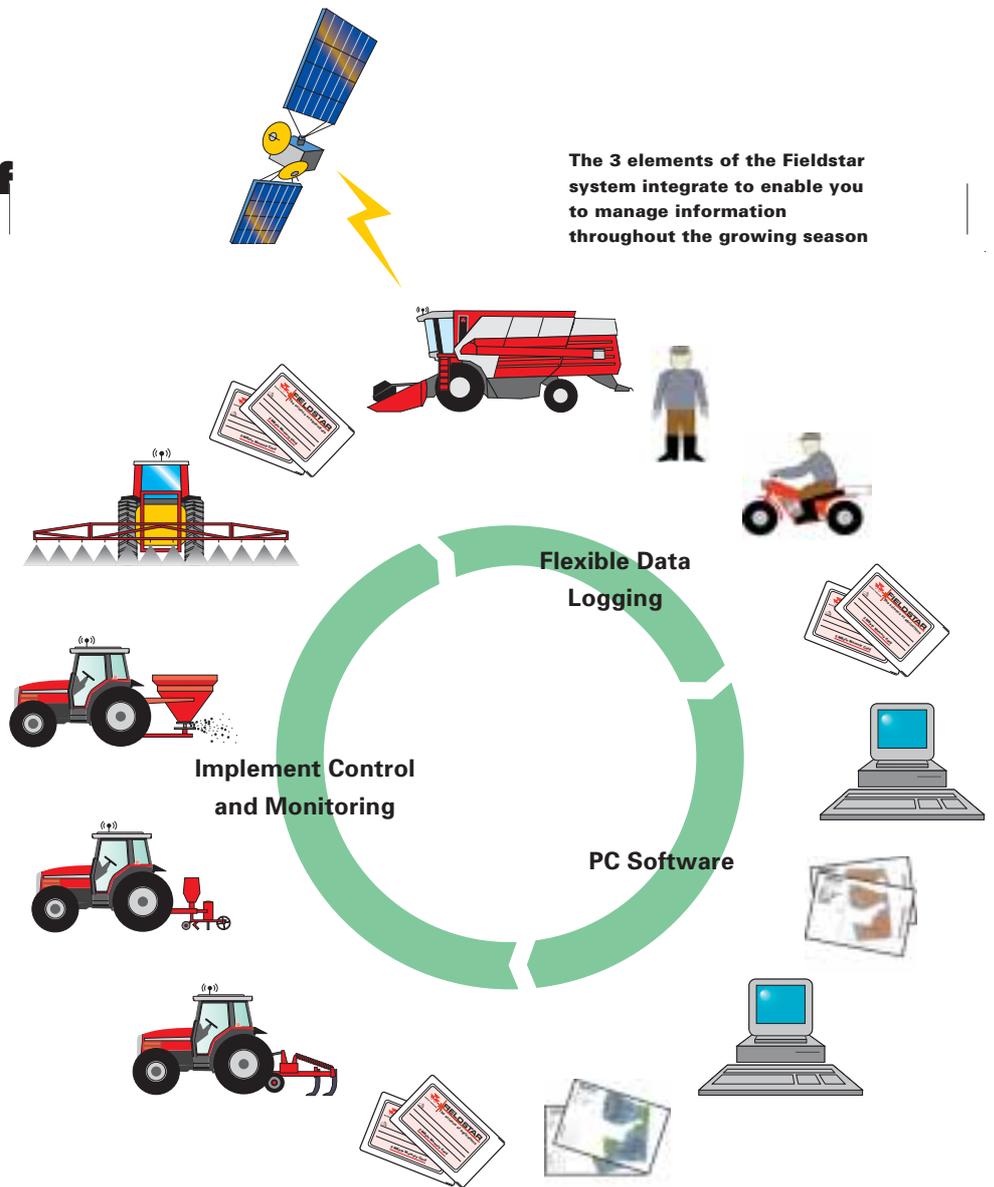
No-one has more experience than Massey Ferguson when it comes to measuring combine field performance.

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.

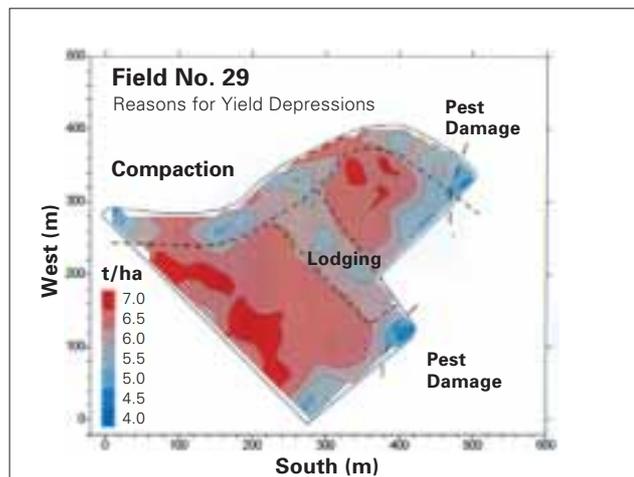
Yield mapping is an integral part of the Massey Ferguson **Fieldstar*** system and the information you gather can be used to plan the future management of your land and crops. The sharing of components with other Massey Ferguson equipment, e.g. the Datavision terminal, means you can save on investment, by having greater flexibility.

The Datavision terminal from the combine can be used in your tractor to control your implements and make use of the yield data to reduce input costs and make the best use of your resources.

The 3 elements of the Fieldstar system integrate to enable you to manage information throughout the growing season



The Yieldmap (below) shows potential reasons for loss of yield. This would form the basis of decisions to change the input quantities of spray or fertiliser or tillage operations.



*Fieldstar is a trade mark of AGCO Corporation or one of its subsidiaries



Spend more time harvesting

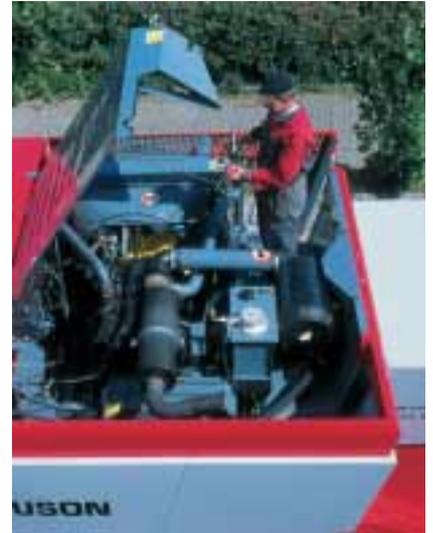
No daily greasing point means a quick turn around in the morning. Our engineers have designed the CERE A to be harvesting for as much time as possible keeping unproductive time to a minimum.

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, detachable engine bay ladder enables the operator to reach every area.



CEREA; the complete solution - whatever the crop

Maize – a full range of high output Maize Headers with or without stalk choppers is available for all CEREA 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.



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.

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.

Grass seed/Linseed – To complement the 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.



Sunflower – A full range of Sunflower headers is available to fit all models of CEREA

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



Four highly specified models, all available as 'Autolevel' versions

● = Standard ○ = Optional – = Not Available

		7256 CERA	7272 CERA	7274 CERA	7278 CERA
Table					
Cutting width - Freeflow	m (ft)	4.3 (14)	5.6 (18)	6.2 (20)	6.2 (20)
		5.0 (16)	6.2 (20)	6.8 (22)	6.8 (22)
		● 5.6 (18)	● 6.8 (22)		
		6.2 (20)			
- Powerflow	m (ft)	4.3 (14)	5.6 (18)	6.2 (20)	6.2 (20)
		5.0 (16)	6.2 (20)	● 6.8 (22)	6.8 (22)
		5.6 (18)	6.8 (22)	7.6 (25)	● 7.6 (25)
		6.2 (20)			
Hydrostatic reel drive, 0-50 rev/min		●	●	●	●
Knife speed strokes/min	1080	1080	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.I		○	○	○	●
Pick-up table		○	○	○	○
Maize/Sunflower tables		○/○	○/○	○/○	○/○
Vertical side knives, left/right		○/○	○/○	○/○	○/○
AUTO LEVEL table*		○	○	○	○
* (standard on AUTO LEVEL models)					
Crop elevator					
With side opening stone trap		●	●	●	●
Hi-inertia cylinder					
Width/Diameter	mm	1400/600	1680/600	1680/600	1680/600
Speed range	rev/min	370-1080	370-1080	370-1080	370-1080
Peripheral speed	m/sec	11.6-33.9	11.6-33.9	11.6-33.9	11.6-33.9
Concave					
No. of bars/Angle of wrap	No./degrees	12/117	12/117	12/117	12/117
Area	m ²	0.86	1.06	1.06	1.06
Maize concave		○	○	○	○
Straw walkers					
Number/number of steps		5/5	8/5	8/5	8/5
Effective separation area	m ²	8.3	9.9	9.9	9.9
Rotary Separator		○	○	●	●
Shaker shoe					
2 adjustable sieves, area	m ²	4.4	5.3	5.3	5.3
Returns system					
Independent rethresher		●	●	●	●
Fanning mill					
Centrifugal		Double	Double	Double	Double
Speed range	rev/min	450-1100	450-1100	450-1100	450-1100
Electric adjustment		●	●	●	●
Grain tank					
Capacity - Standard	litre	8000	8000	9500	10500
- AutoLevel	litre	8000	8000	9500	9500
Discharge time/height	sec./m	90/4.2	90/4.2	110/4.2	110/4.2
Electrically controlled lids		●	●	●	●
Yield meter/monitor		○/○	○/○	○/○	○/○
Continuous moisture meter		○	○	○	○



		7256 CEREAL	7272 CEREAL	7274 CEREAL	7278 CEREAL
Residue handling					
Chaff spreader		○	○	○	○
Straw chopper, with fine cut kit		○	○	○	○
Electric deflectors		○	○	○	○
Minimum till chopper, with 108 serrated knives		–	–	○	○
Engine					
Power	Gross hp	270	291	340	387
Type		634 ESRAE	645 DSBAEL	645 DSBAEL	645 DSBAEL
Capacity	litre	7.4	8.4	8.4	8.4
Aspiration		Turbo/	Turbo/	Turbo/	Turbo/
		Intercooler	Intercooler	Intercooler	Intercooler
Fuel tank capacity	litre	600	600	750	750
Transmission					
Hydrostatic		●	●	●	●
Number of gears		3	3	4	4
Speed range	km/h	0-24.4	0-26.5	0-25.0	0-25.0
Tyres					
Front - from		650/75R32	650/75R32	800/65R32TL172	800/65R32TL172
- to		900/55R32	1050/50R32*	1050/50R32*	1050/50R32*
Rear - from		15.5/80-24	15.5/80-24	15.5/80-24	500/60-26.5
- to		600/55-26.5	600/55-26.5	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 manual/electric		●/○	●/○	●/○	●/○
Air conditioning		●	●	●	●
DATAVISION II		●	●	●	●
Air seat		○	○	○	○
Radio/CD		○/○	○/○	○/○	○/○
Weights and dimensions (with full fuel tank)					
Overall length - with table	m	10.02	10.02	10.02	10.68
Overall height	m	4.00	4.00	4.00	4.00
Width - less table	m	3.40	3.50	3.82	3.82
Weight - less table	kg	12780	13200	13800	13880
- with 'standard' table	kg	14180	14750	15500	16320
Variable equipment					
AUTO LEVEL combine		○	○	○	○
Fieldstar Yield Mapping		○	○	○	○
Automatic table trailer hitch		○	○	○	○
Table trailer/winch		○/○	○/○	○/○	○/○
Round hole sieve		○	○	○	○
Slope control sieve		○	○	○	○
Constant Flow		○	○	○	○
Rear wheel drive		○	○	○	○
Straw chopper vibration and returns sensor		○	○	○	○
Radio/CD		○/○	○/○	○/○	○/○
Rear view camera		○	○	○	○



THREE POINT POWER

Service support

Wherever you are, a massive network of dealer specialists is dedicated to provide the best customer service. Seven days a week, technical support is available via the Golden Harvest helpline, supporting your MF dealer in supporting you. On occasion, our technicians will work through the night to get your machine up and running - while you sleep.

Parts support

A measure of our commitment to your success is our multi-million pound master combine parts warehouse which supports national and regional warehouses where large stocks of combine parts are maintained locally. All this is, of course, in addition to the substantial stocks held at your local Massey Ferguson dealer. If a dealer orders a part, it can be supplied overnight. If necessary, with our interconnected warehouses, the part can be sourced from any of several locations automatically.

Harvest hours

During the harvest period, all warehouses are open 7 days a week and from 8am to midnight, guaranteeing overnight delivery on orders placed up to 10pm, with orders for courier despatch accepted up to 10.30pm.



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.

CEREA is a trademark of AGCO Corporation.

Massey Ferguson is a world wide brand of AGCO Corporation.

www.masseyferguson.com