

HP
300-425 | **MF9005**

FORTIA Rotary Combines
Simplicity with Performance



VISION INNOVATION LEADERSHIP QUALITY RELIABILITY SUPPORT PRIDE COMMITMENT



MASSEY FERGUSON

The ultimate in high-capacity harvesting

A range of innovative design and engineering features have gone into the production of the new MF FORTIA combines, creating a machine capable of exceptional performance and superb quality of work. From header to straw chopper, speed and consistency of operation, together with simplicity and efficiency, are evident at every stage of the harvesting process.



Crop throughput is brisk yet gentle, thanks to the biggest rotor in the industry, the unique Advanced Technology Rotor (ATR) threshing system, to get the job done faster using less fuel. Also the MF 9795 and MF 9895 boast one of the largest grain tanks of any combine which, with the added bonus of the fastest rate of discharge, means maximum time combining.

The unique PowerFlow table ensures grain and specialist crops can be accommodated precisely, while the Smartrac™ lateral tilt and header height control system

ensures top performance is maintained over uneven or sloping ground.

Increasingly variable weather during the normal weeks of harvest in recent years has highlighted the enormous benefit of using a reliable, high-capacity combine that can get the crop in quickly and efficiently when conditions are right. Dependence on slower performing machines means combining often takes place in inappropriate conditions, with the resultant damage to soil structure and the need to dramatically

lower grain moisture content once harvested.

So, reduce the risk by investing in one of the new MF FORTIA Series combines, making the most of the latest harvesting technology to maintain crop quality and allow a timely start to autumn cultivations.

The choice is yours

Model range							
Model	Engine hp	Max hp	Rotor Diameter (mm)	Rotor Length (mm)	Cleaning Area (m ²)	Grain tank (litres)	Unloading (litres/sec)
MF 9695	300	330	700	3,556	4.36	10,570	159
MF 9795	350	380	700	3,556	5.35	12,334	159
MF 9895	425	459	800	3,556	5.35	12,334	159

MF FORTIA – key features

The three rotary combines in the new MF FORTIA Series – the MF 9695, MF 9795 and the MF 9895 – offer an array of advanced technologies, together with simplicity of operation.

01 PowerFlow header

The renowned PowerFlow header provides for all crops and conditions and comes standard with Smartrac™ lateral tilt and height control system to maintain maximum output on sloping or uneven terrain.

02 Helical vane front feeder

Ensures gentle, even feeding of the crop to the threshing rotor to boost harvesting capacity, yet minimises grain damage, power consumption and machine wear.

03 Advanced Technology Rotor

The Advanced Technology Rotor (ATR) design has been improved to provide additional threshing capacity, improved grain sample and reduce drive requirements.

04 Direct discharge rotor

Eliminates the need for rear beaters or impellers, so reducing the horsepower requirement and maintenance time.

05 Exclusive hydrostatically driven rotor

Simplifies the combine's design and allows the rotor to be reversed from the cab.

06 Constant speed rotor

Maintains rotor speed when engine speed fluctuates due to changes in terrain or crop density.

07 Grain tank and unloading

All three MF FORTIA models feature the unique Direct High Volume (DHV) two auger unloading system, giving a discharge rate of 158 litres per second.

08 Heavy-duty welded and bolted frame

Accommodating larger grain tank loads and cutting tables.

09 Large, spacious cab

All controls and monitors are comfortably positioned for the operator, while the wide expanse of glass provides a full view of the header.

10 Four-speed transmission

For top performance in all conditions with the operator in complete control.

11 Heavy-duty front axle and final drive

To ensure years of durable, trouble-free service.

12 Powerful, fuel-efficient engines

AGCO SISU POWER in the MF 9695/9795 models, CAT®* in the MF 9895. Electronically-controlled fuel delivery for reduced emissions and excellent economy.

*CAT® is a registered trademark of Caterpillar Inc.



PowerFlow. Yet to be bettered

Massey Ferguson's unique PowerFlow table has more than stood the test of time and experience by continually out-performing other designs on the market. With its long knife-to-auger specification and positive belt feed, it maintains perfectly even crop feed at optimum harvesting speeds.

One of the PowerFlow table's most popular features is its ability to switch smoothly between different crops with only minimal adjustment so that taller crops such as oilseed rape, beans, oats and rye can be harvested with ease.

Even, consistent feed

Even feed at optimum harvesting speed means the massive rotor is kept full at all times, allowing maximum output to be achieved. The PowerFlow table's unique system of powered belts means crop losses are minimised and machine blockages eliminated.

The PowerFlow also takes oilseed rape in its stride – generating output increases of as much as 73% over other, similar-sized tables. A further performance boost is achievable from the quick-

fit of a secondary rape auger and side knives.

No time lost between fields

Both hydraulics and electrics are disconnected simply by means of a single, one-piece coupler, cutting the time spent moving from field to field. The PowerFlow table also scores highly over conventional designs with its ability to move on to different crops with only minor adjustment.

Schumacher knife system

With the most efficient table you need a top performing knife. PowerFlow tables are fitted with the Schumacher system, offering high performance with rugged durability. The 'under and over' cutting process gives quality cutting in all conditions.

Oilseed rape auger

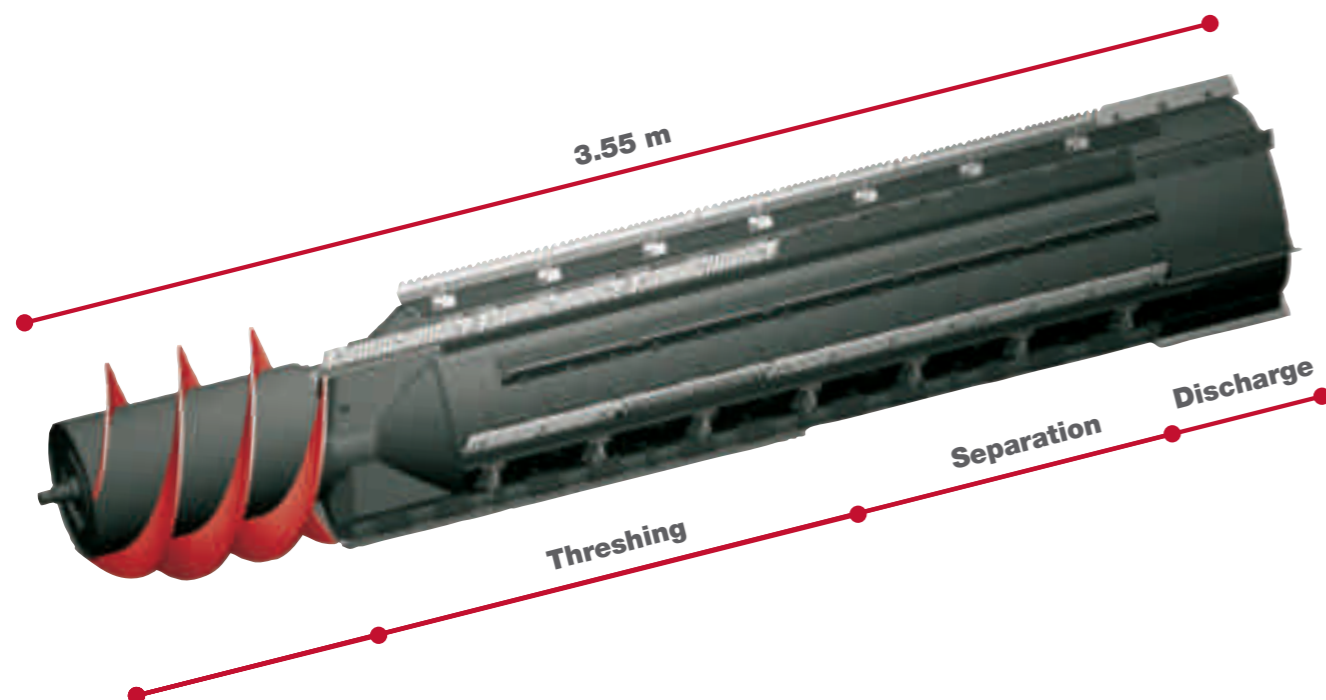
An optional rape auger can be fitted which increases performance in tall crops. The hydraulically driven auger is mounted above the standard auger. It allows forward speed to be increased markedly, making oilseed rape harvest extremely quick compared to normal headers.

Folding dividers can be mounted for quick turnarounds and safety. Easily fitted crop lifters can be installed from their own storage position on the table when required.



Massive threshing capacity

The MF FORTIA Series' heavy-duty rotor ensures a significant boost to crop throughput, previously unheard of.



Higher throughput

At the core of the MF FORTIA range of combines is the huge, heavy-duty Advanced Technology Rotor (ATR) which, at 700mm diameter on the MF 9695 and 9795 and 800mm diameter on the MF 9895, combined with an overall length of 3.55m on all models, provides levels of crop throughput that, until now, cereal producers could only dream about.

Hydrostatically driven, the rotor enables a significant boost in operational efficiency to be achieved through its ability to harvest at a constant rotor speed, which means any output and top grain quality are maintained.

The constant speed rotor control system maintains the selected rotor speed even though the crop yield may vary or engine speed change. An overload alarm senses maximum rotor capacity and provides a warning to the operator to reduce rotor blockages. The rotor can be reversed remotely from the cab to remove any blockage that may occur.

The smooth, flexible three-speed rotor drive gearbox provides selection of the optimum speed range to match the rotor speed and drive torque to the crop harvest conditions. Capacity is maximised and fuel consumption minimised. The MF 9695 and

MF 9795 are equipped with a two-speed rotor drive gearbox.

Unbeatable Threshing Performance

Meticulous attention to detail in the design and build of the four key sections of the rotor – intake, threshing, separation and discharge – has ensured a seamless passage of the crop through the combine.



Intake

Great care has been taken to ensure that as little as possible of the throughput is damaged in any way, as the crop is fed into the rotor head through the full-width front feeder. The helical vanes distribute the crop evenly as it moves through into the threshing area.

Just below the front feeder, stones and other foreign objects are deflected into the stone trap, which can be emptied easily by pulling a lever on the combine's right-hand side.

Threshing and Separating

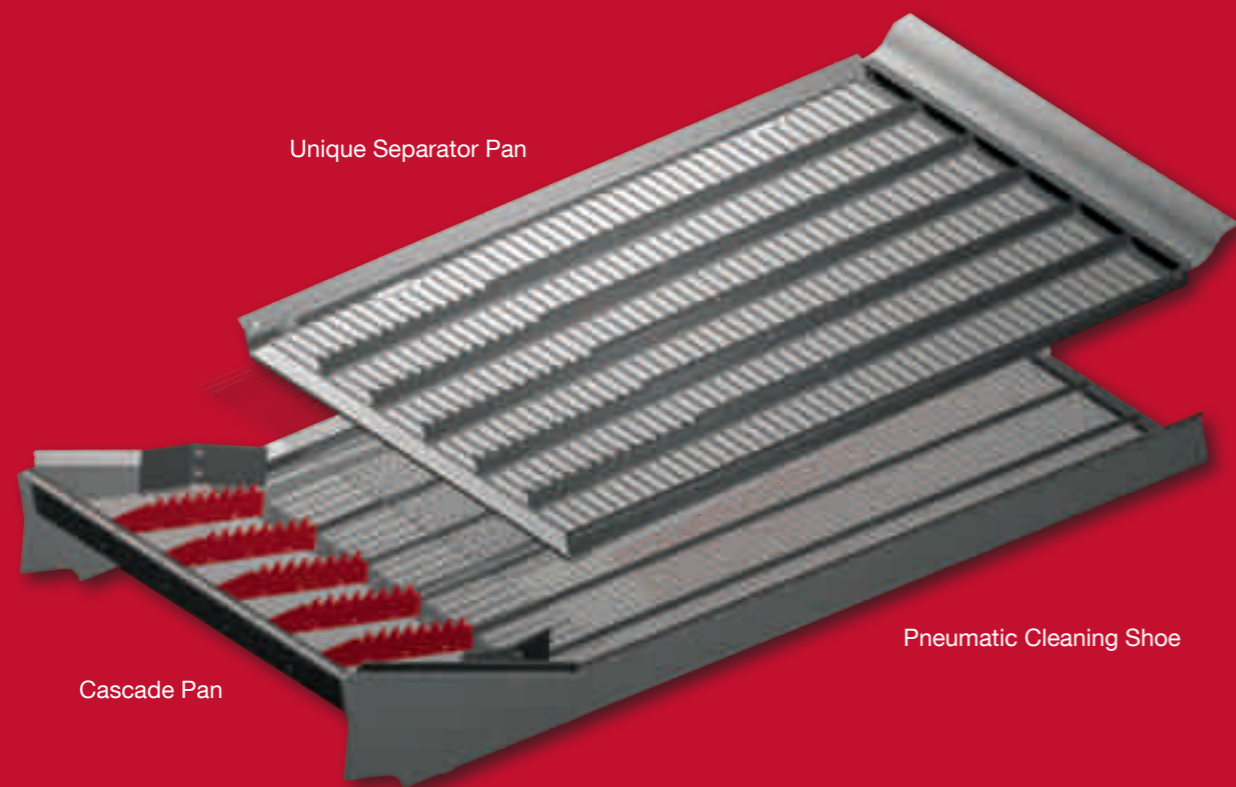
Adjustable from the cab, the concave is equipped with a unique sectional design and support linkage that adjusts from both sides of the concave to provide uniform clearance around the entire 160 degrees of wrap. The threshing elements are coated with tungsten carbide and the rasp bars chrome hardened to extend their efficient working life.

Discharge

The front to rear design of the rotor means there is no need for an additional beater for effective discharge – resulting in greater fuel savings. The straw can either be laid straight into a swath or diverted through the min-till chopper.

The Max Flow Cleaning System

We've built our Massey Ferguson FORTIA Series combines to work as hard as you do. And our state-of-the-art grain cleaning system is a perfect example of just what we mean.



Let's start with the 1,800 mm long high capacity reciprocating separator pan that efficiently delivers threshed and separated grain to the front of the Max Flow cleaning system. Here, a high-volume air flow keeps the cleaning shoe area fully pressurised to ensure total separation of debris from the grain for maximum performance in heavy yield conditions.

Any returns material is simply transported back to the main threshing rotor for reprocessing.

High Volume Cleaning Fan
Select the fan speed that provides just the right amount of air flow to the cleaning shoe for optimum grain-cleaning ability. Controls are adjustable on the C2000 Virtual Terminal which conveniently displays fan speed at a glance.

Two fan speed ranges are available, providing an even slower speed range for light-weight grains.

Sieve
Wire and vane-type sieves are

matched to the specific combine configuration and crop type for excellent grain sample results.

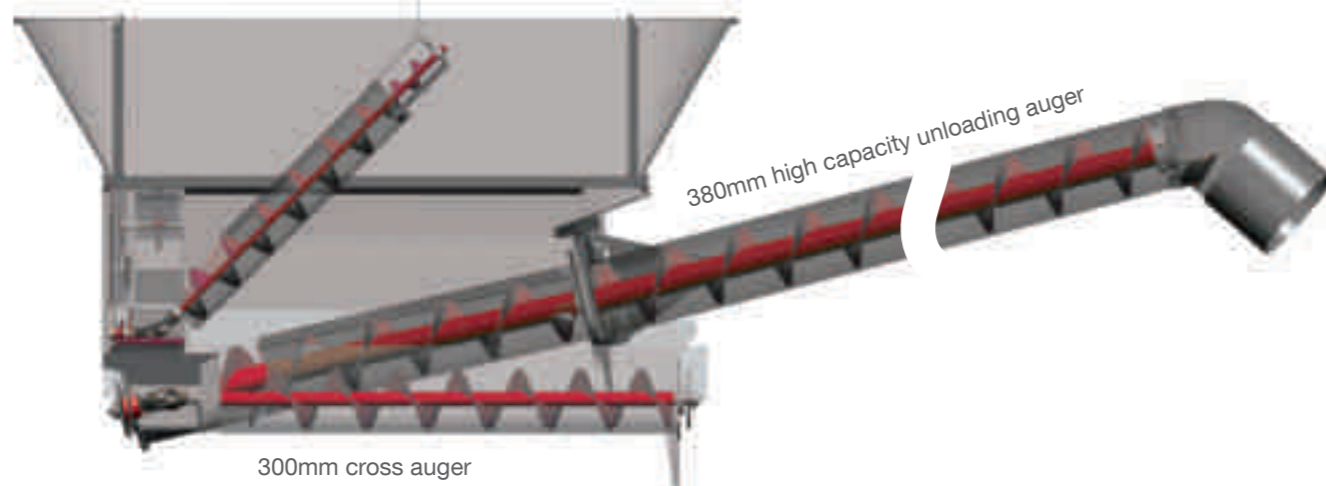
Electronic Sieve Adjustment
To ensure the best possible grain sample, our Massey Ferguson electronic sieve adjustment offers you on-the-go adjustment, either from the C2000 Virtual Terminal or from the control on the left rear side of the combine.



Less time, bigger harvest return

We've delivered the most efficient, productive grain-handling system in the world by combining our largest capacity grain tank with the industry's fastest unloading rate.

Direct High-Volume (DHV) unloading system



With a grain tank capacity of 12,334 litres on the MF 9795 and 9895 and 10,570 litres on the MF 9695, the MF FORTIA rotary combines allow more hours harvesting and less time unloading.

All three models feature the new Direct High Volume (DHV) on-the-go unloading system. This utilises only two direct drive augers within the grain tank. The inline design of the main 380mm diameter unloading auger provides the optimum discharge path for the grain. With no direction changes and additional augers, power

consumption and grain damage is kept to a minimum.

The speed of unloading has been accelerated by the new DHV system up to an impressive 159 litres per second. This means a full grain tank can be off the combine and in the trailer in less than 80 seconds.

Great unloading logistics

An auger 7.4 metres long, giving a discharge height of 4.34 metres, means trouble-free unloading – away from wide tables and trailer sides. An automatic

setting for auger swing-out is a real benefit for operators, while owners will be reassured by the special toughening treatment of auger components for long-term durability.

A straightforward, but highly effective, heavy-duty drive powers the DHV unloading system, engaged by means of a hydraulic ram tensioner to ensure smooth operation.



Residue handling for lower cultivation costs

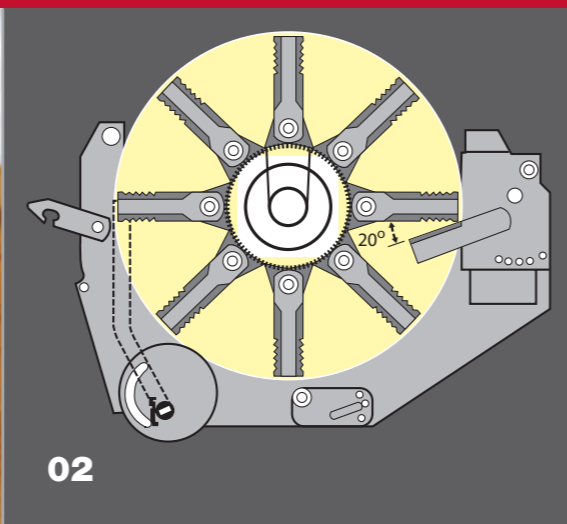
A min-till straw chopper is the standard specification on the new MF FORTIA combines, comprising eight rows of serrated blades and with a faster rotor speed than most standard choppers.

This means that the minimum chopped straw length is extremely short, facilitating rapid break down of the residue. As a result, the system is ideal for the increasingly popular no-till or min-till cultivation techniques. The chopper is capable of spreading up to 9 metres, while an additional 'dual chop' bar can be engaged easily for an even more aggressive chopping action.

The hydraulic chaff spreader, which is controlled from the cab, has been designed to spread the full width of the table – whether the straw is being chopped or swathed – and can be folded away quickly when access to the sieves is required.



01



02



03

Ease and sophistication

Ease of maintenance has always been a priority for Massey Ferguson's design engineers and is an important aspect of MF FORTIA combines.

Large, easily removed side panels are positioned to allow open and safe access to the engine and drive system, for inspection and routine maintenance.

All grease and service points are easily accessed and, having only 13 major belts and three chains on the combine, maintenance time and costs are kept to a minimum.

Rotor and concaves, too, are simple to reach after removal of the inspection doors. Inside there's a service light and an electrical system master switch, allowing the combine's electrical system to be completely immobilised without removing the batteries.



04



05



06

Power with efficiency

In the Massey Ferguson FORTIA Series combines, class-leading horsepower and torque with exceptional fuel economy are provided by powerful advanced technology engines.

MF 9695 and MF 9795

The AGCO SISU POWER Citius 84CTA engine, used on the two smaller models, features 4 valves per cylinder for increased air circulation and a central fuel injector for optimised fuel to air mixing within the combustion chamber. A Bosch common rail fuel injection system is electronically controlled for faster load response and excellent fuel economy.

A power boost of 30hp is available on the MF 9695 and 9795 to ensure fast unloading on-the-go without compromising harvesting capacity or output.

MF 9895

The MF 9895 is powered by the renowned 12.5 litre CAT® C13

engine. A wastegate turbocharger ensures boost pressure is maintained over a wide range, improving engine response under extreme load conditions.

A power bulge of 459hp is provided when the engine speed is loaded down to 1,900 rpm, ensuring the threshing and separation process continues through those tough areas within the field.

Cooling

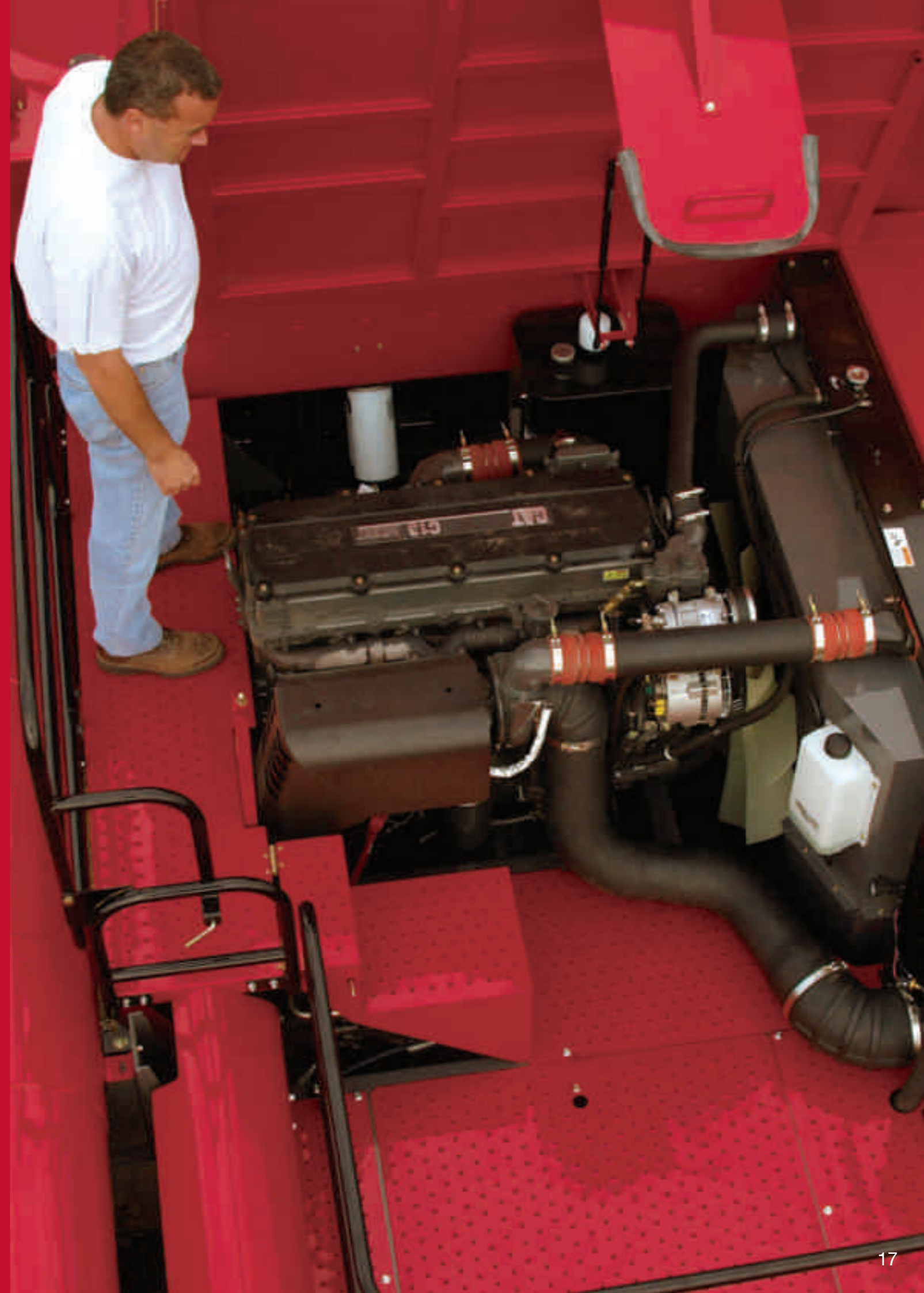
A hydrostatically driven rotary air intake screen provides a large unobstructed flow of clean air to the engine cooling system and engine air intake. This rotary screen is hinged for easy opening and the cooling packages are supported on gas

struts for excellent access to those important cooling radiators.

Accessibility

Routine service checks and maintenance are easily accomplished with the spacious engine compartment, providing easy access to the front and rear of the engine.

*CAT® is a registered trademark of Caterpillar Inc.



Superb working environment

The quality that exudes from every aspect of the MF FORTIA range is no less apparent in the cab, where a host of features ensures the comfort, health and safety of the operator.

Firstly, it is the largest cab available on a combine harvester, providing enhanced visibility through tinted glass and a feeling of relaxed spaciousness.

Automatic climate control, the most legroom of any combine cab, air-suspended seat, ergonomic controls and state-of-the-art electronics gives the operator the ultimate harvest experience.

Adjustable steering column

A slim design profile contributes greatly to improved visibility and operator comfort, and the leather wrapped steering wheel, tilt and telescope steering column, and large foot rests add to the comfort and convenience.

Automatic climate control

Simply select the desired cab temperature and the system automatically maintains the temperature you selected for your personal comfort.

Working lights

The new high-intensity field lighting package provides the furthest reach you can get. A grain bin light, automatic unloading auger light and automatic back-up lights add to even better night-time visibility.



01



02



03

Precisely right

Harvesting and system settings can all be adjusted from one central location, thanks to the technology found in the new, easy-to-use C2000 Virtual Terminal – providing a significant boost to operator productivity.

Fingertip control

Rotor speed, concave, cleaning fan and sieves can all be adjusted on the move from the in-cab C2000 Virtual Terminal. It's as simple as that. The sieves can also be adjusted from ground level, if required.

The colour touch screen display is simple to navigate and easy to read. A video camera input allows two on-board cameras to be viewed through the console screen, enabling the operator to see behind the combine or into a grain trailer, for example.

The FORTIA range of combines is fitted as standard with the Yield Sensor II and moisture sensor, providing up to date information on crop yield and moisture levels. This, along with other performance information, can be recorded onto an SD Card within the C2000 Console for analysis back at the farm office.

Yield Sensor II

Positioned in the clean grain elevator for maximum accuracy across a wide range of crops and yield rates, this sensor's award-winning design accurately

measures and plots crop yield as you harvest, providing state-of-the-art crop yield management.

Auto-Guide™

Automatic steering option is available for parallel, contour and centre pivot steering guidance, reducing overlap and ensuring efficient utilisation of the whole cutting width throughout the day and night. The Auto-Guide screen is incorporated within the C2000 display, so there's no need for an additional monitor.



01



02



03



04



05

Customer support

Dedicated service and dynamic support

Massey Ferguson is a truly global brand with machines operating all over the world, and behind every Massey Ferguson machine is the powerful aftersales support of AGCO's Customer Support organisation.

Industry benchmarking shows that AGCO offers customers world-class parts and service support, and this is never truer than in support of our harvest machinery, both in and out of season.

In season excellence

The Harvest Support Programme is designed to be extremely dynamic and able to adapt immediately to changing conditions. Each harvest experience in every country is used to continuously enhance the comprehensive service. Key elements include:

- A dedicated harvest parts warehouse guaranteeing superb parts supply and availability, and enabling a direct and rapid logistical response.
- 24/7 AGCO Parts warehouse and Customer Service facilities for MF European combine markets.
- Dealer direct access to on-line parts ordering 24/7 with full visibility of parts availability throughout the European warehouse network round-the-clock.
- Exceptional services such as late cut-offs, special transport, 'Eurodirect' deliveries throughout Europe direct to MF dealers and customers, and collection services.
- Specialist technicians with expert product knowledge supporting local markets.
- Local dealer commitment to the highest levels of service by operating 'out of hours' parts and service support.

Year round distinction

Naturally we recognise that supporting our harvest equipment goes beyond the harvest period.

All Massey Ferguson machinery benefits from year round focus in the form of both the exceptional standards provided by AGCO Parts as well as specific servicing packages:

- Industry-leading parts supply through AGCO Parts' state-of-the-art warehousing and logistics.
- Genuine parts from AGCO Parts, the only genuine supplier, guaranteeing the right fit, first time, every time.
- Well-qualified parts specialists and highly-trained service technicians providing dedicated service support and technical solutions.
- Aftersales solutions for all ages of machinery for maximum uptime in every situation.
- Specific focus on preventative maintenance through comprehensive pre- and post-season health checks.
- Long term reliability from affordable servicing and maintenance packages.

Aftersales support from AGCO Customer Support is about providing the best solution to our customers' needs through world-class parts and service; providing a local service to the global brand.



01



02



03



04



05

Our promise to you

Our mission at Massey Ferguson, since the company was founded, has been to design, engineer and manufacture reliable, trustworthy and innovative machinery. Machinery that people recognise the world over.

VISION

Our vision for the world of agricultural machinery has always been clear; to produce worthwhile and innovative solutions for professional farmers feeding the world. Always recognisable, the Massey Ferguson brand of products signifies technological advancement, enhanced design, strict testing and quality manufacturing which is consistently trustworthy and hardworking.

INNOVATION

We've always been one step ahead when it comes to innovation. Our founder, Harry Ferguson is proof of that.

Through continual questioning and analysis of customers' needs, our products are designed, tested and built to enhance productivity, efficiency and convenience, constantly pushing the boundaries of farm machinery.

From the simplest push of a button to technological innovations in engine and transmission efficiency, we strive to make life simpler for the operator.

LEADERSHIP

Massey Ferguson is the most widely sold agricultural product in the world, making us the leaders in the agricultural arena. We've won awards for our class-leading technology and advancement in design and we're already driving ahead, environmentally and economically.

QUALITY

It takes certain distinctive attributes to make a quality product. At Massey Ferguson, this distinction starts at the drawing board and doesn't stop. Every stage of manufacturing, from the building and testing process to sourcing the best components, demands excellence. Our products and services meet the most stringent standards allowing us to deliver our promises, confidently.

RELIABILITY

We don't let a Massey Ferguson machine out of our sight until we are 100% sure it will perform to the high standards you expect. Only after rigorous and painstaking testing both in simulations and in the field, will we allow our products to leave the factory. Whatever you put your combine harvester through, day after day, season after season, we can guarantee we've already tested those limits and gone beyond them.

SUPPORT

Agriculture can be a solitary business, that's why we make sure that you can get support whenever you need it and at crucial times of the year. Be assured of sustainability from more than 3,200 dealer outlets in over 400 countries and a comprehensive machinery distribution network, you'll be part of dedicated family of specialists who make it their business to give you genuine, top quality service support.

Equally, we won't let an opportunity slip through your fingers. If you have the commitment but not necessarily the financial resources to compete in today's market-driven climate then AGCO Finance could have the solution. Ask your local dealer for more information.

Financial options are market specific but can include leasing, hire purchase, contract hire and loan facilities.

PRIDE

Here at Massey Ferguson, pride means many things to us. It's in everything we do and it shows. It's in our proud heritage, our unique product design and our ongoing support to our customers.

COMMITMENT

We are deeply committed to delivering the highest of expectations and to build quality, reliable products with innovative features that are backed by the best support packages. Ultimately, we are committed to continuous growth and profitability for all, whilst recognising the needs of both large and small businesses through professionalism and quality.



PowerFlow Table		MF 9695	MF 9795	MF 9895
680 (6.8m) 20ft		●	-	-
770 (7.7m) 25ft		-	●	-
920 (9.2m) 30ft		-	-	●
Smartrac™		●	●	●

Feeder House				
Feeder house width	m²	1.121	1.408	1.408
Number of feeder chains		3	4	4
Lateral tilt	degrees	8	8	8
Header reverse		Hydraulic		

Threshing / Separation				
System		Single Axial Rotary with Advanced Technology Rotor.		
Drive type		Hydrostatic with constant speed drive.		
Gearbox	ranges	2	2	3
Speed range	rpm	Hi = 175 - 980	Hi = 175 - 980	Hi = 200 - 1040
		-	-	M = 200 - 789
		Lo = 175 - 755	Lo = 175 - 755	Lo = 200 - 440
Rotor diameter	m	0.7	0.7	0.8
Rotor length	m	3.56	3.56	3.56
Threshing concave wrap	degrees	160	160	161
Threshing concave area	m²	1.42	1.42	1.75
Separation wrap	degrees	180	180	204
Separation area	m²	1.44	1.44	1.54
Total Separation Area	m²	2.86	2.86	3.29

Cleaning				
Type of fan		Turbine		
Speed range	rpm	590-1350	590-1350	500 - 1150
Low speed kit		○	○	○
Fan diameter	mm	296	296	330
Grain transfer		Grain pan		
Total Sieve Area	m²	4.36	5.35	5.35

Returns				
Type		Retuned to front of rotor.		

Grain Tank				
Volume	Litres	10,570	12,333	12,333
Remote control tank covers		●	●	●

Grain Tank Discharge				
Type		Direct High Volume.		
Max Discharge rate	lit/sec	159	159	159
Length from centre line	m	7.4	7.4	7.4
Discharge height	m	4.39	4.39	4.39

Residue Management				
Chopper type		Min till, high speed, large diameter .		
Number of blades	No.	88 serrated	108 serrated	108 serrated
Hydraulic Chaff spreader		Twin disc variable speed.		

Engine				
Type		AGCO SISU POWER Citius 84CTA	AGCO SISU POWER Citius 84CTA	CAT®* C13 ACERT
Displacement	litre	8.4	8.4	12.5
Rated speed	rpm	2100	2100	2100
Rated power	rpm	300	350	425
Max power	hp	330	380	459
Fuel tank capacity	litre	606	606	870

Drive/Propulsion System				
Type		Hydrostatic		
Transmission		4-speed		

Cab				
Steering wheel		Tilt/telescopic		
Field lights		12	12	12
Climate Control		●	●	●
Heating		●	●	●
C2000 Virtual Terminal		●	●	●
C2000 Camera Input		●	●	●
Yield & Moisture Meters		●	●	●
Yield Mapping		●	●	●
Auto-Guide™ - Ready		○	○	●
Auto-Guide™ - Complete		○	○	○

Dimensions				
With traction wheels front		800/65R32	800/65R32	900/60R32
Width	m			4.18
Length without header to spout end	m	9.87	9.87	9.87
Height	m	3.73	3.73	3.73

Weight				
With traction wheels front		800/65R32	800/65R32	900/60R32
With traction wheels rear		480/80R30	480/80R30	480/80R30
With chopper less header	Kg			17100

● = Standard
○ = Optional
- = Not applicable/available
* = *CAT® is a registered trademark of Caterpillar Inc.

MF 9005 highlights

MF FORTIA Series rotary combines play an absolutely essential role in any professional harvesting operation. Look at the facts and the decision becomes easy:-

-
- 01** PowerFlow - the ultimate cutting platform with a long pedigree. Simple to attach and detach, easy to change from crop to crop. Always ensures even feed.
 - 02** At the heart of the machine is the longest rotor in the industry which, with the 160° concave wrap, performs to ensure superb crop threshing and separation. The unique concave design is altogether gentler in the way it handles valuable crops.
 - 03** One of the biggest grain tank capacities in its class.
 - 04** The fastest discharge rate in the world – over 35% quicker than any in its class.
 - 05** Power with economy – MF FORTIA Series combines are built around a harvesting system that demands less hp.
 - 06** Operators will appreciate the new cab design and layout, with more space and the most panoramic view from any combine cab on the market. The central command console is perfectly-placed for comfort and total machine control.
 - 07** The brightest working lights to maintain output, quality and safety when harvesting at night.
 - 08** In addition, fewer belts than other combines, fewer augers to minimise grain cracking and fewer gear boxes. In other words, less to go wrong!