

CASE IH

MX MAXXUM



FARMING WITH THE BEST

Case IH continues to improve the way farmers operate, with the growing line of MX Maxxum Series tractors. By combining power, performance, durability and comfort into each tractor, this innovative platform enables operators to work more profitably. And whether you grow wheat, barley or speciality crops these tractors will help you work more efficiently every hour. With nine tractors from 80 to 170 horsepower to choose from, there's a MX Maxxum tractor to suit every farm.

Superior manoeuvrability and performance make the MX80C, MX90C and the MX100C deluxe cab tractors the ideal choice for all-round performance in a variety of farming operations.



And high capacity hydraulics means the MX150 and MX170 are perfectly suited for tillage, planting and cultivating applications.

Many industry-leading features set the MX Maxxum Series tractors apart from the competition.

State-of-the-art engines deliver up to 44% torque rise to pull you through tough spots when the conditions get heavy, while the industry's first PowerShuttle/Shift transmission minimises cycle times in the field and in the yard.

The electronic hitch and pressure flow compensating hydraulics deliver the power output and control needed for multiple applications.

Whilst operators can work in total luxury in one of the quietest cabs in their class, not to mention the best visibility of crops and implements.

As always, Case IH is committed to providing you with the most innovative and productive equipment lines in the industry. Add to that the sales, service and support experience of your Case IH dealer, and you are guaranteed the best equipment value on purchase and resale.



MX90C Loader work is more productive with faster cycle times around the yard, thanks to the superb PowerShift/PowerShuttle transmission and excellent manoeuvrability.



MX100C Invaluable for arable, mixed and dairy farmers. With tight headland turns and choice of transmissions that will help to improve your performance throughout the year.



MX170 MAXXUM

The strong robust chassis, long wheelbase design, and superb lift capacity make this the ideal arable mans tractor.

MORE POWER WITH MORE CHOICES

MX Maxxum Series has been designed to lead the industry in mid-range arable tractors for performance, comfort and ease of operation.

The range has been extended from 80-170 horsepower with the addition of 6 models. The MX170 & MX150 feature larger capacity fuel tanks, increased hitch and hydraulic capacity, longer wheelbase and heavier transmission. The MX80C, MX90C and MX100C compact models complete the new line up. All these tractors are designed to provide maximum productivity in the field.

The industry-leading cab offers superb comfort and vision with all the refinements of Case design technology to promote the highest level of operator productivity, even after long hours of operation.

Operators will appreciate the powerful, turbocharged Case built diesel engines rated @ 2200 rpm, for increased performance the MX150 and MX170 are aftercooled to optimise airflow and promote fuel efficiency.

For superior stability the wheelbase on the MX150 and MX170 models has been increased to 2850 mm, with a one-piece cast steel frame that provides better weight distribution and a shaped front section to allow for a tight steering

angle, even with the large front tyres. The MFD front axle also features a limited-slip differential and a maintenance-free driveline for enhanced performance and durability.

The 16 x 12 four speed PowerShift transmission fitted as standard to all Maxxum models offers clutchless shifting within each speed range, and features smooth synchromesh shifting through the gears, with a thumb switch on the range lever that allows simultaneous range and PowerShift changes, saving operators valuable time during field and roading operations.

For low speed operations a factory or field-installed creep speed version is available that provides an additional 16 forward and 12 reverse speeds, with speeds down to 0.2 kph at rated speed.

Loader operators will enjoy the forward/reverse shuttle shifting, resulting in reduced cycle times and improved efficiency.

The powerful hydraulic system with high flow pressure compensating operation gives a fast response when operating implements and loaders, and saves fuel by going into "standby mode" when not in use.

MX SERIES TRACTORS 80-170 HP

Ideally suited for all types of farming operations.



Low Profile Cab the ideal choice for access to low buildings, and with a front loader fitted the floor to ceiling window glass and clear roof panel (optional) gives superb all-round visibility.



Opening front windscreen not available in all markets.



Comfort in the driving seat

From the ergonomically designed, fully adjustable swivel seat, all switches, controls and levers are within easy reach. Folding passenger seat not available.



MORE SPACE, MORE COMFORT, MORE CONTROL

The MX Maxxum Series has been designed to meet all the requirements of space, comfort and vision, exceeding all current world-wide safety legislation.

Operators can enter the cab from either side through wide, rear hinged doors. Inside the spacious interior, flat clear deck, and quite outstanding visibility, creates the ideal working environment. The curved, sloping hood, carefully positioned exhaust stack and full length glazed doors, means a clear view of the working area.

The centrally positioned, fully adjustable air suspension seat has been designed to give the ultimate in ride comfort, and can be altered to suit every size of operator, or swivel left or right for the best operating position.

Inside it's quiet too, with a noise level of just 72 dB(A) the cab makes a major contribution towards driving comfort and operator performance during the longest working day.

Tinted windows provide perfect all-round vision and operators have an excellent view upwards at the front and to the rear.

Large telescopic mirrors provide a safe clear view to the rear, this is particularly useful when working with wide implements or manoeuvring large trailers.

A powerful heating, cooling and air circulation system operated from a panel in the cab roof, gives excellent year round climate control. The air-conditioning performance has been developed for high humidity conditions to keep operators more productive and comfortable on the hottest day.

During work the cab remains slightly pressurised, with fresh air drawn through a filter in the side of the cab roof, which automatically cleans itself each time the door is closed.

The Maxxum tractors powerful work lights plus full road lighting give a superb level of illumination for working at night.

Unobstructed vision.

Whatever the operation, the narrow cab pillars ensure unrivalled visibility in all directions.







Industry leading technology

The electronically modulated PowerShuttle lever is located in the optimum driving position.

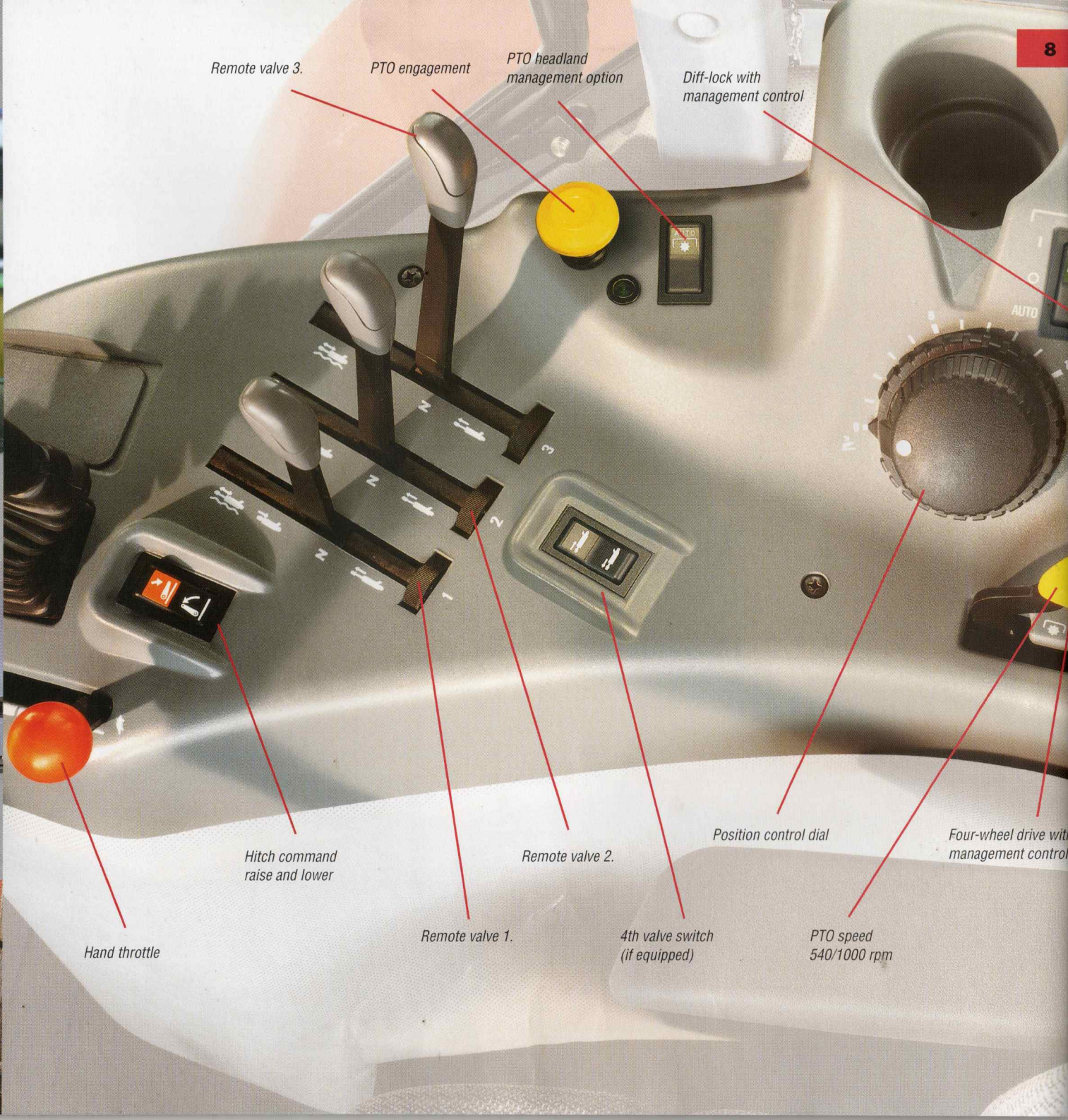


Climate control

Air-conditioning system is a standard feature for tractors sold in New Zealand and Australia.



Telescopic/tilt steering wheel adjustment to suit every size of operator.



Remote valve 3.

PTO engagement

PTO headland management option

Diff-lock with management control

Hitch command raise and lower

Remote valve 2.

Position control dial

Four-wheel drive with management control

Hand throttle

Remote valve 1.

4th valve switch (if equipped)

PTO speed 540/1000 rpm

EVERYTHING UNDER CONTROL

A digital instrumentation package monitors all of the tractor's major functions. Operators have a clear view of the comprehensive, well-positioned instruments that leave nothing to chance. The easy-to-read electronic display shows full information on engine and PTO speeds, plus illuminated warnings of hydraulic functions, fuel level and coolant temperature, plus gear selected.

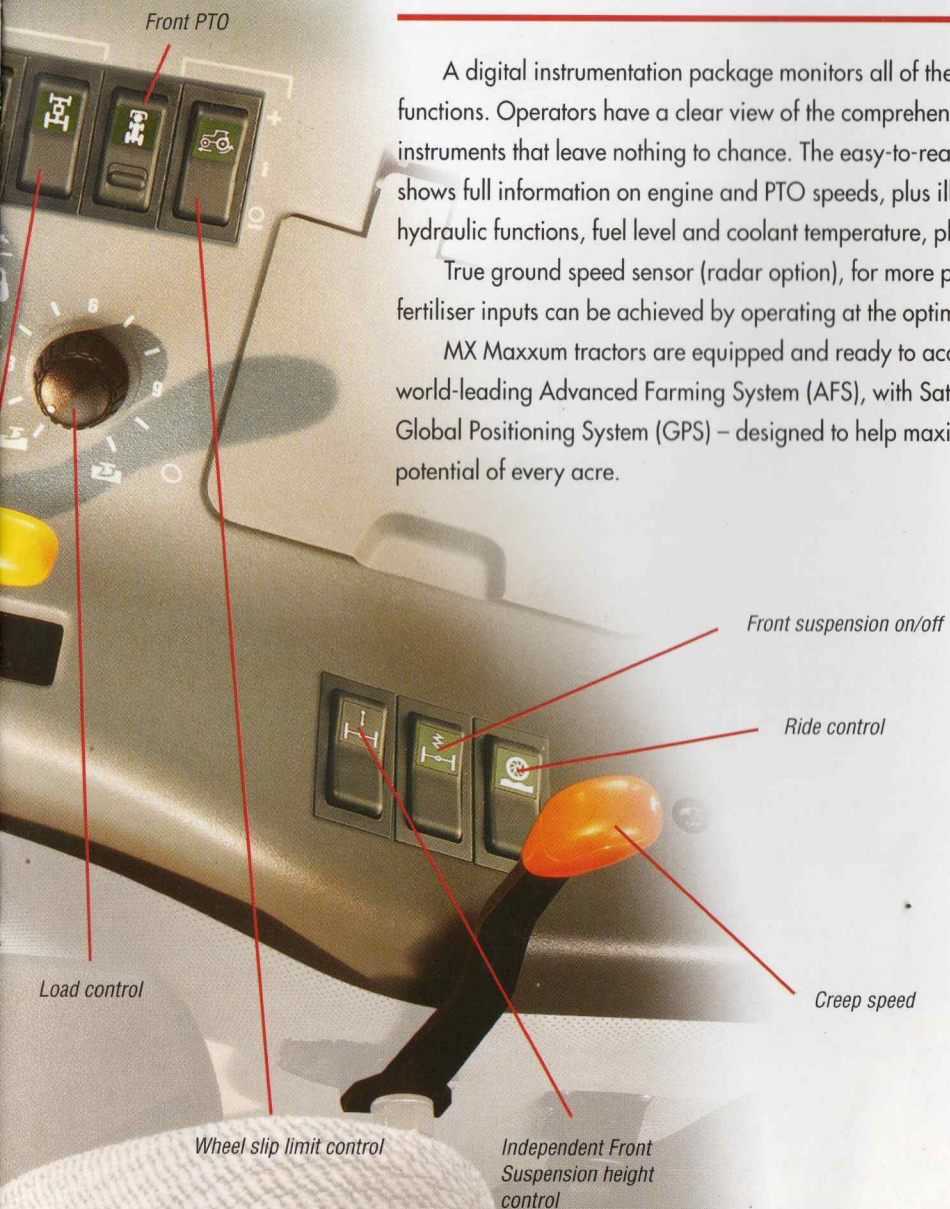
True ground speed sensor (radar option), for more precise planting and fertiliser inputs can be achieved by operating at the optimum speed.

MX Maxxum tractors are equipped and ready to accept the new Case IH world-leading Advanced Farming System (AFS), with Satellite support from the Global Positioning System (GPS) – designed to help maximise the yield potential of every acre.

The PTO may be equipped with an Auto/Remote function. This feature reduces headland operations and eliminates damage to PTO drive lines.

Independent Front Suspension provides enhanced driver comfort and safety, both on the road and in the field.

Ride Control prevents shock loadings to the three-point linkage, improving ride comfort and stability.



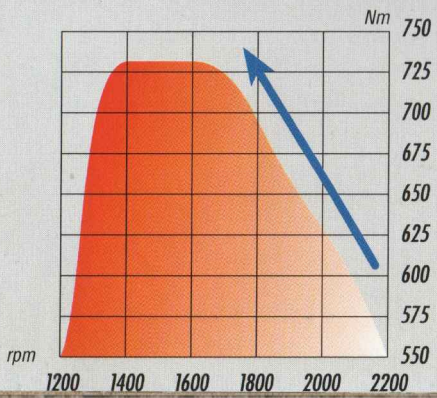
Easy-to-read instrumentation

The operator is fully informed of all the major tractor functions. A PowerShift gear indicator informs the operator of speed selected.





Steep torque rise ensures excellent performance.



MORE POWER, MORE PERFORMANCE

Designed for hard work the MX Maxxum range will just keep on running. Advanced engine technology and high-quality components extend maintenance time – this significantly improves productivity and reliability even with continuous heavy-duty operation.

Equipped with either 4.0 litre 4-cylinder or 5.9 litre 6-cylinder turbocharged diesel engines from 80 – 170 horsepower, they all meet the latest exhaust emission control standards and can be operated using RME (rape fuel).

The fuel-efficient, high-torque Maxxum engines have been designed by state-of-the-art CAD/CAM and built using the latest production techniques. To double the engines load-bearing capacity a thermo-chemical process has been applied to the crankshaft, this improves running characteristics and extends the engines life. The bores are plateau honed for minimum running-in

time, and their long stroke design gives the engines their amazing luggability – torque generated from the new units is outstanding.

To keep the noise and vibration levels low all six cylinder engines are mounted using ISO rubber bearings.

The MX Maxxum exhaust unit with an optional integrated pre-cleaning system (6 cylinder models only), has been designed to give more efficient engine performance, lower exhaust noise and considerable savings in downtime. Another important factor in engine performance is the Viscous fan. Designed to improve cooling and fuel efficiency, this low-noise level fan helps to save fuel, particularly at low ambient temperatures and the low weight fan impeller – saves horsepower and boosts the engine output.

The MX150 and MX170 engines also feature aftercooling.

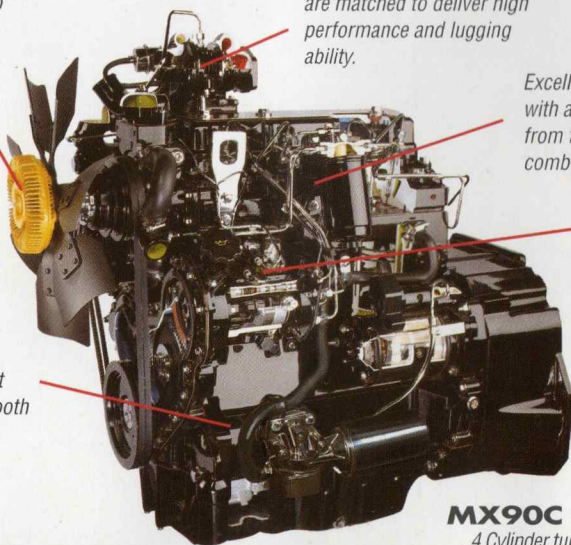
Viscous fan contributes to lower fuel consumption.

Wastegate turbochargers are matched to deliver high performance and lugging ability.

Excellent fuel economy with a low noise level from this unique combustion system.

5 hole injector design to meet all emission regulations and maximise fuel atomisation.

Balancer unit ensures smooth running.



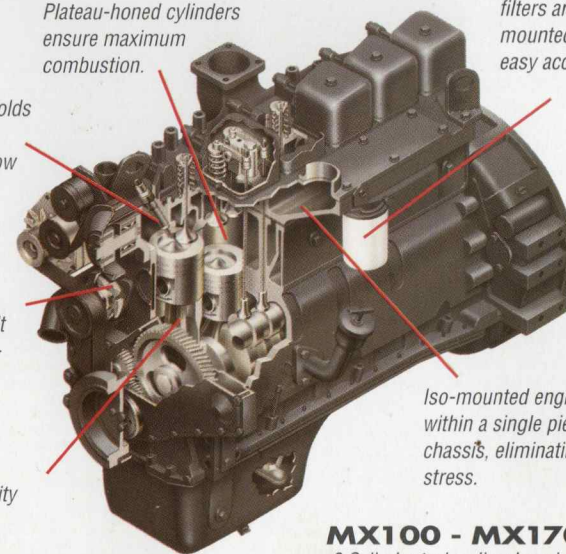
MX90C - MX100C
4 Cylinder turbo-diesel engine

Inlet and exhaust manifolds are located on opposite sides to create cross-flow air pattern.

Self adjusting Poly-Vee fan belt extends belt life and simplifies maintenance.

Forged connecting rods improve reliability by reducing engine stress.

Plateau-honed cylinders ensure maximum combustion.



MX100 - MX170
6 Cylinder turbo-diesel engine

Spin-on fuel and oil filters are vertically mounted for fast and easy access.

Iso-mounted engine located within a single piece cast chassis, eliminating torsional stress.

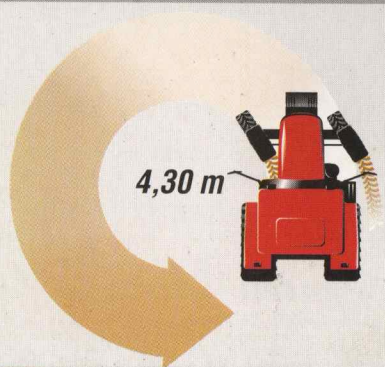
The MX Maxxum four speed PowerShift is controlled by a thumb switch on top of the range lever, allowing simultaneous range and PowerShift changes.



Forward, neutral and reverse PowerShift lever mounted on the steering column for easy operation.



MX Maxxum tractors feature light and easy steering with a tight turning radius.



SMOOTH SHIFTING TRANSMISSION TECHNOLOGY

The transmission is a critical component of every tractor. For the best use of engine power Maxxum tractors have 30 kph PowerShuttle transmissions – with a 40 kph version available.

For specialised harvesting or planting a synchronised creep speed option is available, providing 32 forward and 24 reverse speeds down as low as 210 metres per hour, and with 9 speeds in the main working range from 4 to 12 kmh there's a speed for every job.

PowerShuttle with neutral gives operators effortless shifting from forward to reverse, simply move the PowerShuttle lever in the direction required and the transmission takes care of the rest. The neutral facility is particularly useful during baler or loader operations, this design eliminates the conventional clutch and its associated service costs.

The four speed PowerShift transmission provides clutchless shifting within each speed range. A thumb switch on the range lever allows simultaneous range and PowerShift changes – ideal during roading operations.

By combining PowerShift and PowerShuttle operation, farmers instantly benefit from reduced headland and loading cycle times, improving productivity.

The precision cast, heavy duty transmission casing is the backbone of the tractor, and to ensure the durability of the Maxxum transmission all components are precisely engineered for smooth and silent running, with the helical cut gears in constant mesh, for positive tooth engagement and longer life.

The pressure lubricated system effectively reduces horse power loss and gives better cold weather performance. And thanks to optimum graduation of gear ratios the Maxxum transmission is built for every application.

Full engine power is transmitted smoothly and efficiently through the maintenance and wear-free master clutch packs. In 4th range the 'soft shift' feature ensures smoother powershifting and eliminates shock loads.

Safe braking is guaranteed from heavy duty, oil cooled, maintenance-free, wet disc brakes, with powerful servo assistance to ensure full braking efficiency is transmitted at low pedal pressure (6 cylinder models).

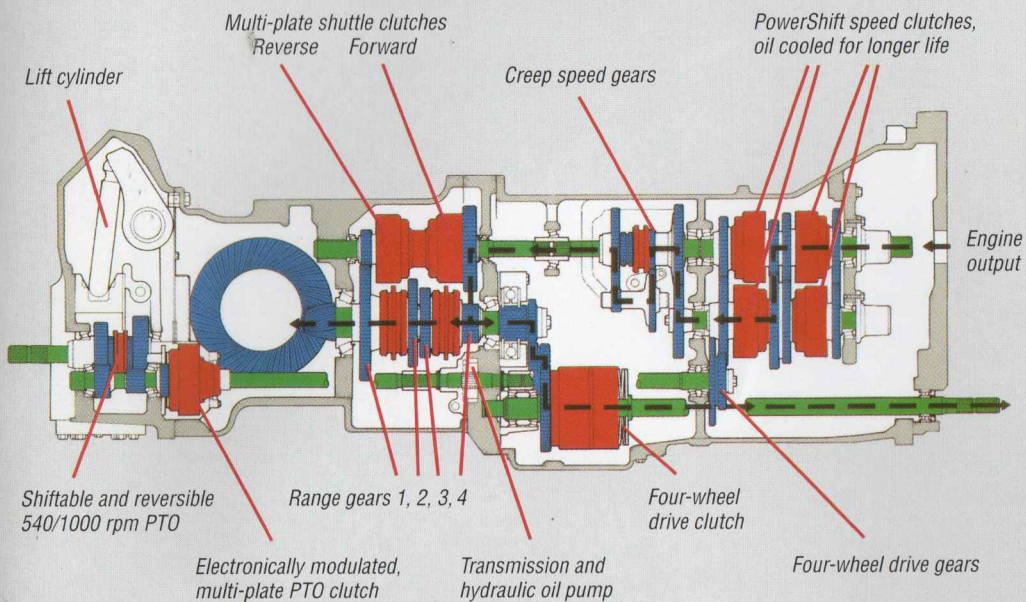
Independent Front Suspension

Available on all MX models from the MX100 to MX150, this factory fitted option is designed to enhance performance, comfort and operator safety.

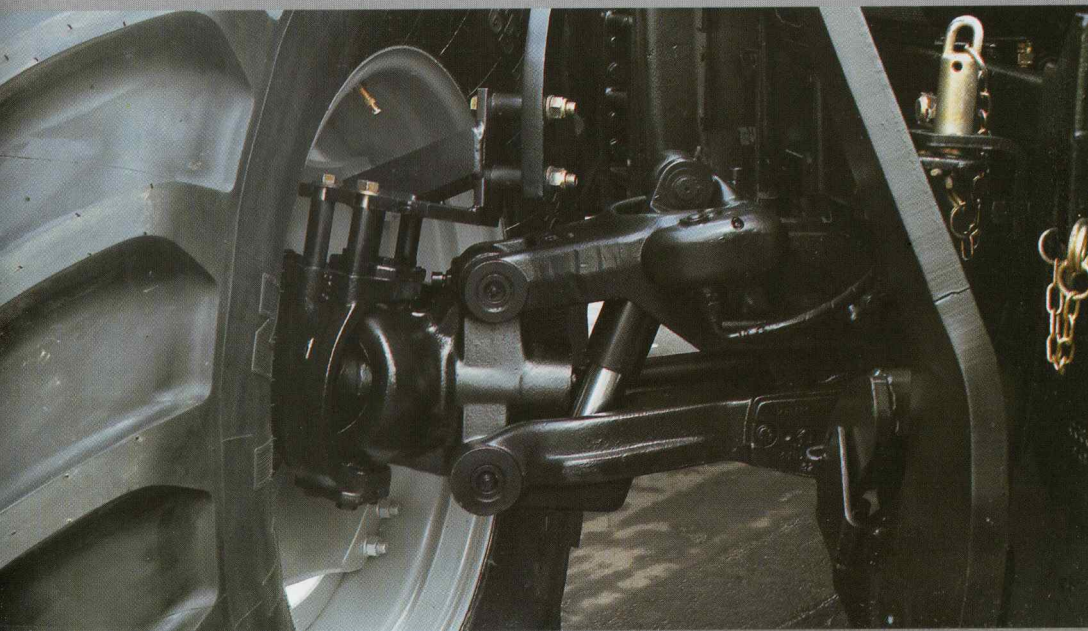
This electronically controlled system operates by supporting each of the front wheels with hydraulic cylinders connected to accumulators and electronic control valve. With the system switched on any shock loads on the front wheels are absorbed automatically. The Independent Front Suspension (IFS) design used on the Maxxum has many unique features that provide functional and performance enhancements over suspended axle designs. With IFS, the Maxxum left and right front wheel assemblies operate independently. This unique feature means that the suspension only acts on the wheel that is subjected to ground variations and not the whole axle like suspended systems. Lateral chassis movement at the front end of the tractor is also reduced. Stability and directional control at speed especially through corners is dramatically enhanced. This design ensures the operator receives maximum benefit in comfort and driving safety as the wheels remain in continuous contact with the ground. Operators also benefit from improved stability and comfort particularly in spraying and hauling applications.

The system can be set to give a higher ride height under the front axle or locked out for loader operation.

Versatile MX Maxxum 32 x 24 speed PowerShift/Shuttle transmission.

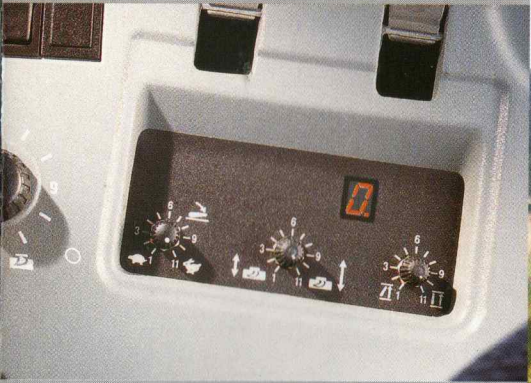


Robust independent front suspension option improves operator safety and ride comfort.





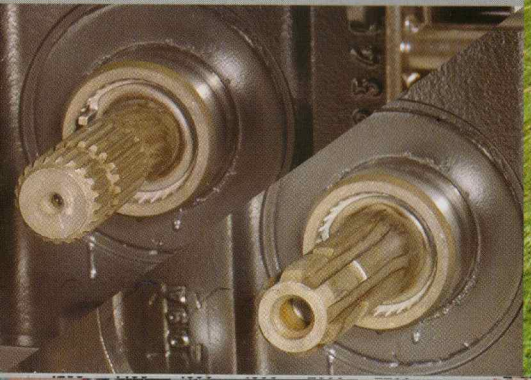
Electronic hitch controls allow fine tuning of implement operation.



Dual rear fender controls allow quick and easy implement attachment or adjustment in total safety. Optional remote PTO fender control allows convenient engage or disengagement during stationary operation.



The MX Maxxum tractors two speed reversible PTO system gives operators more flexibility.



HIGH POWER HYDRAULICS AND MORE CONTROL

For smooth, responsive, high power hydraulics with infinite control Maxxum has the answer. The electronically controlled, pressure-flow compensated (PFC) hydraulic system will accurately respond to the smallest changes in draft resistance, with the precise flow to match the load – giving instant hydraulic control with the minimum of power loss.

The three-point hitch operation with its electronic “Hitch Command” requires only a touch on the switch to raise or lower the hitch, always to the exact settings and at precisely the correct operating speed.

Height limiter feature lets the operator programme the maximum raise limit of the hitch and to save time a “Diagnostic” display monitor can identify and store in memory up to 32 hitch-related functions.

Slip limit control allows the operator to regulate the maximum wheel slippage and maintain optimum performance in all conditions.

Outside the cab the fender-mounted push-buttons allow the hitch to be operated from either side. Category III quick attach links are fitted as standard and the implement lowering speed is controlled from the safety of the operators seat. The lower links are controlled laterally by a single telescopic sway limiter.



A right hand stabiliser option is available to keep wide implements rigid.

Up to four double-acting remote valves can be specified each with individual flow control. Quick-couplers ensure that the hydraulics can be connected under pressure, any oil lost is collected in a spillage container (optional).

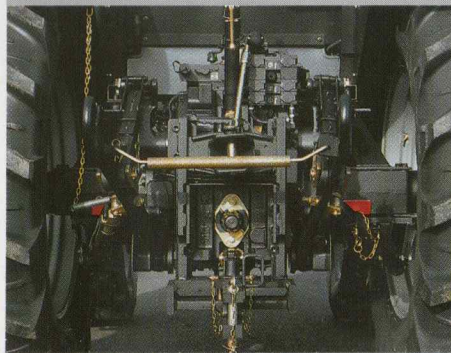
All MX Maxxum tractors feature an independent PTO. The 2 speed reversible shaft system has the advantage of both 540 or 1000 rpm on either a 6 or 21 spline shaft – giving operators the choice of power and flexibility. For fast, easy implement hook up the shaft is free to rotate and can be quickly and easily reversed by simply removing a circlip. Auto PTO/Remote (option)

allows the operator to select the PTO cut off and re-engagement point.

This is particularly useful with close coupled implements, preventing PTO drive shafts turning at steep angles. Remote PTO operation can be controlled from either of the rear fender switches, allowing the safe operation of pumps and tankers.

All models feature the Case dynamic ride control system which will absorb any 3 point linkage shock loads during transportation, resulting in a smoother ride and safer operation. The system is operated from a rocker switch mounted on the right hand console.

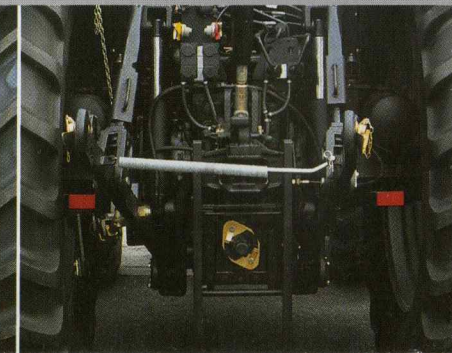
1. Rear hitch – French version



2. Rear hitch – UK version



3. Rear hitch – German version





POWERFUL FRONT DRIVELINE

All models offer a front PTO option. It has the capability of transmitting full engine power through a 1000 rpm 6 spline shaft (rotates anti-clockwise).

Specially designed front weights are available when using certain types of implements. These weights also provide an effective ballast when the front hitch is in operation. For safety the lower links can be raised, folded away and locked, without increasing the tractors overall length.

The Maxxum Series four-wheel drive and diff-lock management system can be set to operate automatically when the driver uses the brake or raises the rear hitch at the headland. Four-wheel drive and diff-lock are disengaged to allow the operator to turn with greater ease and speed. As soon as the brake is released or the rear hitch lowered the functions re-engage automatically.

A high-strength cast steel chassis, has been designed to eliminate torsional stress from the engine, making the fitting of front mounted equipment simple.

The fully integrated four-wheel drive system is engaged on-the-move electro-hydraulically by a rocker switch mounted on the right hand console.

All models have centre drive with limited slip differential, giving maximum traction when the going is steep or sticky.

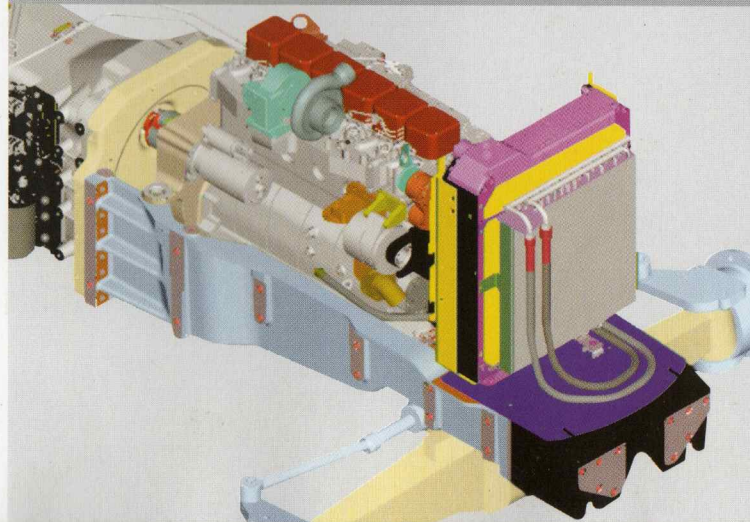
The MX Maxxum long wheelbase design gives better weight distribution, a smooth ride and optimum traction. Front weight sets are available to handle heavier mounted implements and provide optimum ballast configurations. Your Case IH dealer can ballast your tractor correctly using the unique Case CD ROM.

The telescopic tilting steering column can be adjusted easily to the operators individual requirements. With the steering angle increased to 55°, Maxxum achieves an extremely small turning radius for a tractor of its size.

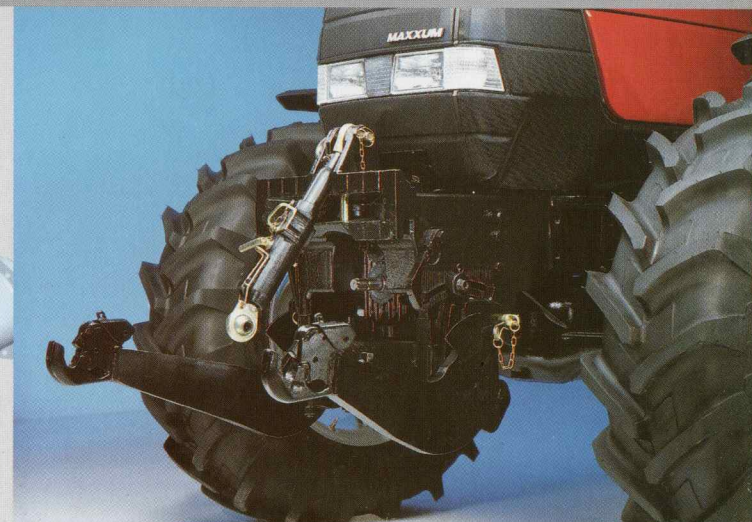
Front & rear wheel track is fully adjustable to suit all farming applications.



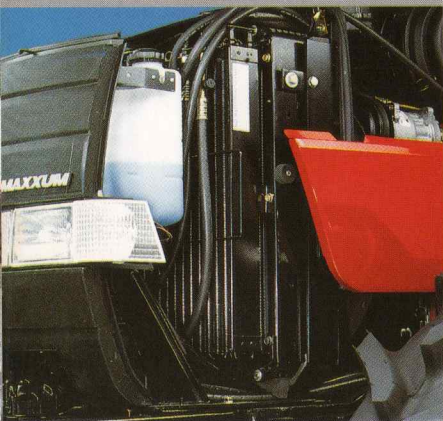
Single piece cast chassis eliminates torsional loads (6 cylinder models).



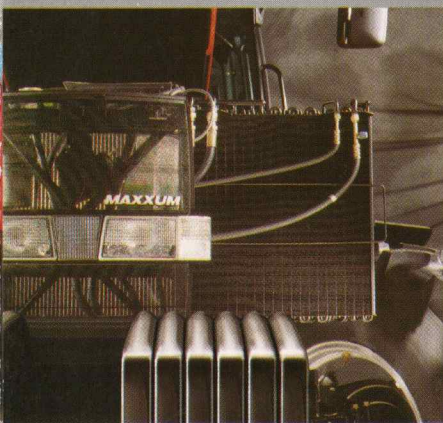
Powerful MX Maxxum Series front hitch and PTO option with high lift capacity, folds neatly away when not in use.



Engine coolant level can be easily checked.



With the engine side panel removed access for cleaning the air-conditioning unit and oil cooler is excellent.



Engine oil can be quickly and easily checked.



SIMPLE SERVICING

The MX Maxxum series is supported by an ingenious service concept. Built to give years of trouble free operation they easily meet all the demands made by today's farmer. The hood tilts rearward with gas assisted cylinders to support it, making it a very simple operation to remove the side panels. Access from either side is excellent and with the tractors highly efficient exhaust aspirated air cleaner (standard on most models), only seasonal changes of the air filter is required.

Engine filters are the simple spin-off type that change easily with no mess, and apart from this only routine greasing is necessary. Oil and coolant can be easily checked without removing any panels. There are no clutch or brakes to adjust; the fan belt is self-adjusting (6 cylinder models) and the cab air filter can be changed from the outside.

The engine oil filter is a simple screw-on type mounted vertically for easy access.



The dual element filter is easily checked.



All routine servicing and daily maintenance checks are made simple and easy.



Rear windscreen wash/wipe facility.

Telescopic mirrors.



Front opening windscreen.

Low profile cab.



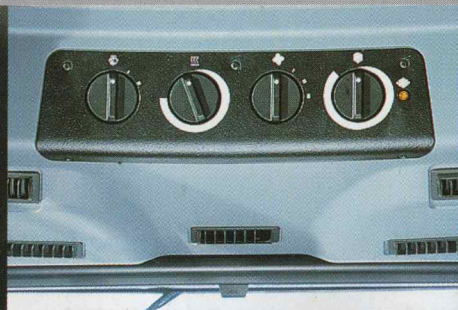
Folding passenger seat not available.

Opening roof hatch for additional fresh air ventilation (non air-conditioned cab).



Pressure gauge for air braking system.

Full air-conditioning creates the optimum working environment.



THE CHOICE IS YOURS

For the right MX Maxxum to suit your farming operation, choose from the list of optional equipment (some are restricted to certain countries) – all geared to a wide range of applications, available ex works.

Full information on these and other options are available now from your nearest Case IH dealer.

Independent front suspension gives better traction, more comfort, and improved safety on the road.

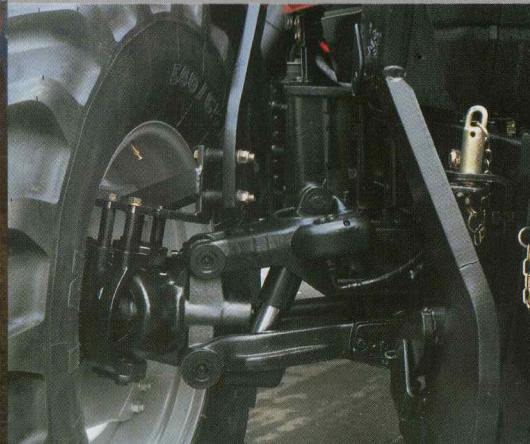
Front hitch and PTO gives more flexibility.

Additional front and rear work lights can be easily adjusted to suit the conditions.

Adjustable front fenders.



Remote PTO operation.



Case IH quality parts

Only genuine Case IH parts are manufactured and guaranteed to the correct specification for your tractor.



Warranty after warranty

Now with the Case Care Programme you can extend the manufacturer's warranty from one year to an additional three years or up to 4000 hours cover. This programme covers major components. See your Case IH dealer for details.



Finance for your farm

Case Credit, the strong, stable financing organisation for Case Services and all Case IH dealers, with a specialist sales team that can formulate highly personalised and competitive finance plans to meet the precise needs of individual customers.

CASE CREDIT®



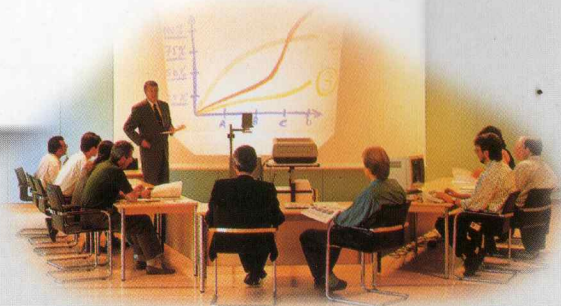
SUPERB SERVICE IS OUR STANDARD

When you buy a MX Maxxum you get much more than just a tractor. In fact, as you'll discover, first-class service comes as standard. And that's a promise backed up by every Case IH dealer, where you'll find fully trained service engineers and state-of-the-art diagnostic systems, to keep you productive and profitable. This level of reassurance extends to genuine Case IH parts, that are despatched to your dealer within minutes of him placing his order. Your Case IH dealer will also be happy to advise you on the finance options available for your new machine. No-one knows more about the agricultural business than Case IH and that's reflected throughout our entire organisation. From research and development to final assembly, all the way through to our unique parts storage system and expert customer advice.

So when we say, "we can make you more productive", we mean it!

Training with a high added value

Our Training Centres ensure that our dealer network is fully trained to offer world class levels of after-sales support. For every Case IH dealer, this training is the key to achieving higher levels of efficiency and professionalism.



After-sales service: the customer won't wait

Providing the very highest standard of after sales service comes as second nature to Case IH. Behind every machine and every spare part are dozens of specialists at the service of our dealers and customers. Each of them committed to continuously improving the quality of the information and service we provide.



Parts service: dedicated to the customer

At the heart of our operation is the modern efficient depot in St Marys – Sydney. Our parts distribution is supported by an international network using high-speed logistics. The aim: To make Case IH spare parts and accessories service, a dedicated, customer-focused operation across the dealer network.



HARVEST SUCCESS WITH CASE IH!

When Case IH develops a new product, it makes a point of talking to farmers. To meet the changing needs of agriculture, every new product we design and develop is with the closest co-operation of our customers, who benefit from the resources of one of the world's largest manufacturers of agricultural equipment, with more than 150 years of manufacturing experience. The result is always innovative, technologically advanced and geared to meet the practical needs of ANZ's professional farmers.

At Case IH we consistently work towards the success of our customers, by combining advanced production techniques with high productivity. Experience, innovation and effective management are the tools we use to build the right product to stay ahead of the competition, and well co-ordinated logistics ensure that all parts are supplied on time. Our on-going training and customer support programme for dealers and distributors' is our key to success.

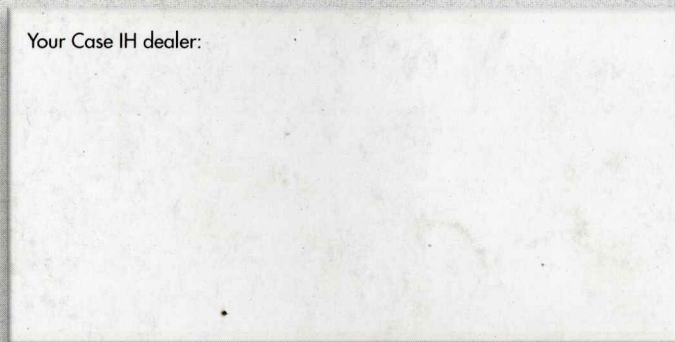



Market leadership has to be earned. Farmers rely totally on the service and quality of our products, so we are committed to the training, motivation and constant exchange of ideas with our dealers at local level. Dealers who are in direct communication with head office, so they are able to respond instantly to all the demands of the customer.

We measure success by the success of our customers. That's why thousands of farmers throughout Australia and New Zealand have chosen Case IH for the efficiency, performance and technical advantages of our products, plus expert advice, motivated staff, comprehensive service and parts support. Because they know from experience that Case IH means a successful harvest.

Harvest success with Case IH!

Your Case IH dealer:



 Safety never hurts! Always read the Operators Manual before operating any equipment. Inspect equipment before using it, and be sure it is operating properly. Follow the product safety signs, and use any safety features provided.

This literature has been published for worldwide circulation. The standard and optional equipment and the availability of individual models may vary from one country to the next. Case IH reserves the right to undertake modifications without prior notice to the design and technical equipment at all times without this resulting in any obligation whatsoever to make such modifications to units already sold. Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of going to press, these are also subject to change without prior notice. Illustrations may show optional equipment or may not show all standard equipment.

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