

X5



5.100 - 5.110 - 5.120


McCORMICK
Power Technology.

NEW X5, VERSATILITY HAS NEVER BEEN SO COMFORTABLE



Building on its extensive experience in technology innovation, McCormick has developed the next-generation **X5** series, a new range of utility tractors that will surprise farmers with performance, versatility and comfort comparable to higher-class models.

The new McCormick **X5** is a truly versatile utility tractor. Ideal for open-field tasks like plowing, tilling and harrowing, this handy tractor is equally perfect for sowing and hay-making as well as for livestock farming and transport applications. Designed to handle a wide variety of tasks with maximum efficiency, the **X5** tractor also offers superior automotive-style comfort.

Designed with versatility in mind, the new **X5** can be tailored to meet the specific needs of each farmer. Tractor key features include:

- Iso-mounted four-post cab with all-round visibility and automotive-grade fit and finish for maximum comfort of operation. All controls are ergonomically arranged and a new multifunction controller provides easy and precise control of all tractor and implement functions including the front loader and the Hi-Lo and HML transmission.

The low-profile roof allows for easy access to low-ceiling barns and stables, while the transparent roof hatch provides extra visibility for front loader operation.

- New FPT 3.4L and 3.6L engines meeting Stage V/Tier 4 Final emissions regulations with powers up to 114 hp.

- Highly configurable transmissions ranging from a Speed Four synchro shuttle transmission with 12 forward and 12 reverse speeds to an XtraShift transmission with HML powershift, modulated power shuttle and creeper that provides up to 48 forward and 16 reverse speeds.

- Hydraulic system with triple pump providing a total flow of 82 l/min for efficient operation of all hydraulic functions and remote valves.

- Available: front hitch and PTO system and McCormick front loader.

- Available: satellite-based guidance system for maximum working accuracy; ISObus system for simple and efficient implement control, including in automatic mode;

Efficient, comfortable and versatile, the McCormick **X5** is a great companion you can rely on always.

TOTAL VIEW SLIM CAB, COMFORT AND ALL-ROUND VISIBILITY

HIGHLIGHTS

Cab

- › Total View Slim cab: all-round visibility and maximum operating comfort
- › Mechanical cab suspension system
- › Driver's seat with air-suspension system
- › Ergonomic controls and automotive-grade fit and finish
- › 8.4-inch touch screen monitor for satellite guidance and ISObus control
- › Low-profile roof for easy access to low-ceiling barns and stables

Engine

- › X5 range: FPT F36 3.6L engine delivering up to 114 hp

- › Engines meeting Stage V/Tier 4 Final emissions regulations

- › X5 range: 135L fuel tank and 13L AdBlue tank

Transmission

- › Speed Four transmission: 12/12 speeds; 16/16 speeds with creeper

Axle

- › Suspended front axle with brakes, full locking differential and electro-hydraulically operated four-wheel drive

Hydraulic system

- › Open-centre hydraulic system with 82 l/min flow rate
- › Electronic rear hitch with up to 4500 kg lift capacity
- › Front hitch and PTO for maximum versatility

Agriculture 4.0

- › ISObus system and Precision Steering Management



HYDRAULIC SYSTEM

PTOs - Rear & front
hitches - Remotes
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CAB

Comfort - Visibility
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ENGINE

Powers - Consumptions
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TRACTION

Front axle
4-Wheel Drive

TRANSMISSION

Speed Four / Power
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MAKE YOURSELF COMFORTABLE, THE X5 TAKES CARE OF THE REST

McCormick X5: productivity in plain view.

The four-post structure of the Total View Slim cab is designed to offer excellent panoramic view and good close-range visibility making maneuvering in tight spaces easier and safer. The tractor can be equipped with 4 LED work lights. A transparent roof hatch provides extra visibility for loader operation.

Total View Slim cab: a comfortable working environment makes a difference. The Total View Slim cab puts the focus on operator comfort: a spacious workspace with flat floor and automotive-grade fit and finish, a comfortable air-suspended seat, a tilt-adjustable steering wheel, ergonomically-arranged intuitive controls, a multi-function controller, a highly-efficient automatic climate control, DAB radio and many other creature comforts make long working days in the field less tiring. Because the McCormick X5 does not compromise on comfort.

The X5 reduces fatigue and improves your well-being.

Featuring silent-block suspension units at the front and shock absorbers at the rear with a travel of up to 96 mm, the cab absorbs the shocks and vibrations generated by uneven ground, thereby creating a comfortable working environment that enhances productivity. The new sound deadening system reduces in-cab noise ensuring a quiet workplace.

EASY ACCESS TO DRIVING POSITION

The access to the driving position has never been so easy: the rear-hinged doors are large and the access steps are wide and comfortable to climb. Convenient handholds fitted to the cab posts and to the doors allow operators to safely climb up and down the tractor.

HIGHLIGHTS

- › Iso-mounted cab: reduced vibrations and noise for maximum operating comfort
- › User-friendly ergonomic controls
- › Adjustable steering wheel tilting with instrument panel
- › Efficient climate control integrated into the cab roof
- › Opening transparent roof hatch for front loader operation

Every detail within the Total View Slim cab has been designed with the operator's comfort in mind: spacious interior, automotive-grade fit and finish, flat floor, air-suspended seat, tilt-adjustable telescopic steering wheel tilting with the instrument panel, easy-to-use ergonomic controls, multifunction controller, high-performance climate control system, DAB+ radio and plenty of other creature comforts make your work days more pleasant and relaxing.

With its four-post design and its large glass panels, the Total View Slim cab provides an excellent all-round view and good close-range visibility, making for safe and easy maneuvering in tight spots and at headlands. With the X5, long working days in the field are less tiring and more productive.



CLIMATE CONTROL AND TRANSPARENT ROOF HATCH

Integrated into the cab roof, the climate control system creates a comfortable working environment whatever the outdoor weather conditions. The opening transparent roof hatch favours ventilation and provides extra visibility, making front loader operations easier and faster.



BLUETOOTH AND DAB+ RADIO

The cab is fitted with a DAB+ radio with Bluetooth. Music can also be listened to via an MP3 player, an AUX connector or a USB flash drive, while an integrated microphone enables the driver to make hands-free phone calls.

MORE EFFICIENCY, MORE ECONOMY, MORE VISIBILITY – THE X5 IS MORE

The X5 evolves under the banner of efficiency and environmental sustainability. The X5 tractors are powered by new FPT F36, 3.6L turbo inter-cooled engines with common rail injection system that deliver up to 114 hp. Powerful and responsive, these engines provide high torque values at low rpm ensuring constant performance and efficiency in any situation. Equipped with exhaust after-treatment technologies that meet Stage V/Tier 4 Final emissions, the new X5 is more eco-friendly than its predecessor.

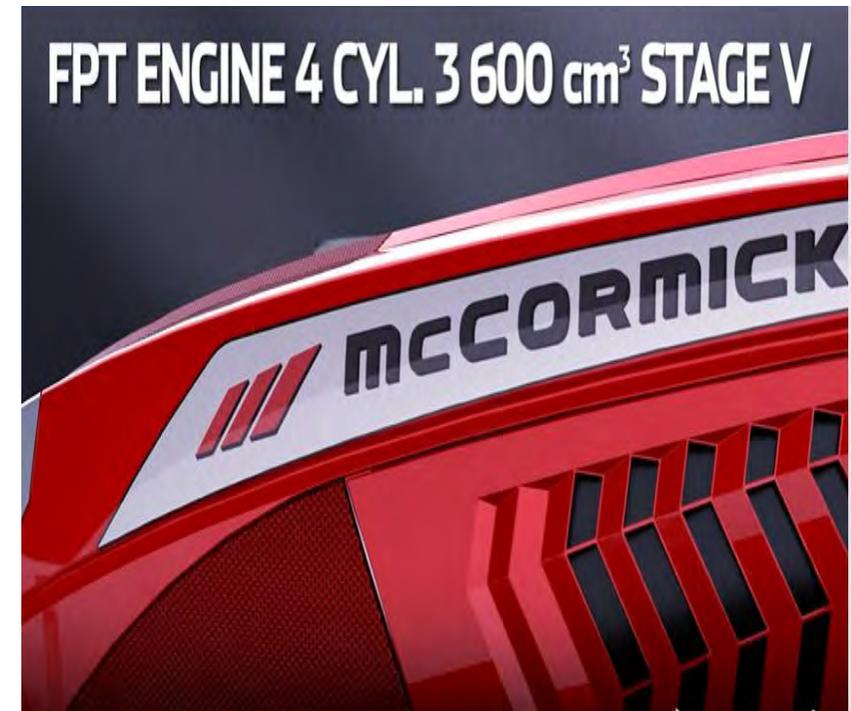
The X5 reduces fuel consumption and improves operator comfort.

The fuel tank capacity of the new X5 tractor range has been increased to 135 liters to ensure extended operation without refueling. The common rail injection system delivers a precisely measured amount of fuel to the engine, thereby improving performance while ensuring up to 10 percent fuel saving. Fuel efficiency is further enhanced with the Engine Memo Switch, which stores and recalls the ideal engine speed for the job at hand. This feature makes work easier and reduces operator fatigue

FPT F36 ENGINES FOR ULTIMATE EFFICIENCY

The new X5 tractors are powered by FPT F36 3.6L, 16-valve, four-cylinder turbo engines with inter-cooler and common rail injection system. The three models in the range deliver 95, 102 and 114 hp and meet the Stage V/Tier 4 Final emissions regulations.

The engine/transmission matching has been redesigned enabling McCormick engineers to move the exhaust after-treatment system from the right cab post to under the bonnet for enhanced operator visibility during work.



Power Technology.

WITH THE X5, YOU REALLY HAVE AN EXTRA GEAR



You choose how to customize your transmission according to your needs.

The X5 tractor has proven to be a true champion of versatility. Its transmission can be fully customized to meet the user's application requirements by choosing from a variety of options: number of gear ranges, two- or three-speed powershift, creeper, synchro or power shuttle with modulation control, manual or power-assisted gearbox. The X5 offers a choice of eight transmission configurations to better meet the specific requirements of each farm.

The efficiency of transmission is tested in the field.

Used in a wide variety of applications, the transmission of the X5 is highly appreciated among farmers for its rugged construction and field-proven reliability. With McCormick transmissions, you can work with peace of mind and be sure that you'll never experience a power loss.

A transmission that improves performance and fuel economy.

The X5 can be equipped with either a two- or three-speed powershift transmission which automatically selects the most appropriate gear for the job. This prevents the engine from losing power and contributes to reducing the tractor's fuel consumption, thereby eliminating fuel waste.



PARK LOCK TO OPTIMISE SAFETY

The X5 in power shuttle configuration can be optionally equipped with Park Lock, a mechanical device which locks the transmission for added safety when parking the tractor on steep inclines.

Speed Four transmission: clean design for simple operation

The Speed Four transmission with left-hand steering-column synchro shuttle offers four synchronized gears and three mechanical ranges providing 12 forward and 12 reverse speeds. With additional creeper speeds, the transmission provides a total of 16 forward and 16 reverse gears with speeds as low as 360 m/h.

Power Four electrohydraulic transmission for total reliability

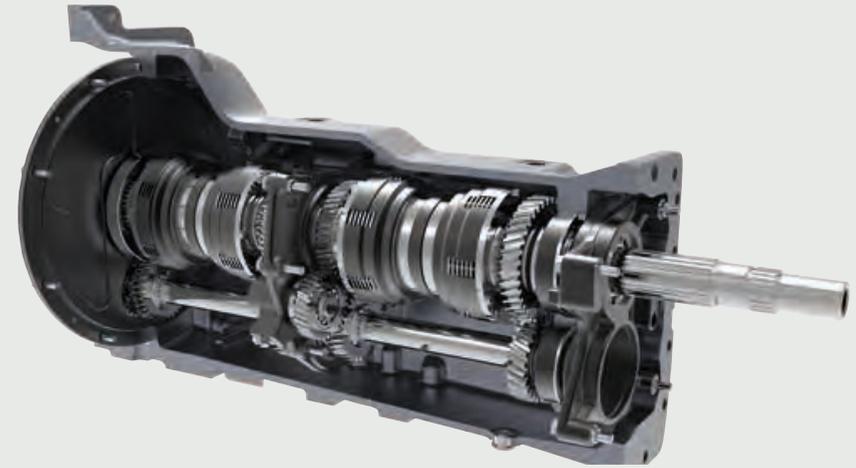
The Power Four transmission with electrohydraulic Hi-Lo doubles the number of speeds to 24 forward and 24 in reverse. The creep speed option further increases the number of available speeds to 32 forward and 32 in reverse. The Power Four transmission is available in synchro shuttle and power shuttle configurations with shuttle control lever adjacent to the steering wheel. The power shuttle version features a de-clutch button that allows the operator to shift the synchronized gears without using the clutch pedal.

XtraShift electrohydraulic transmission for ultimate efficiency

The XtraShift electrohydraulic HML transmission is a three-speed powershift that triples the gears of the Speed Four transmission providing 36 speeds forward and 12 in reverse. Combined with a creeper unit, this transmission option provides 48/16 speeds ensuring a minimum advance speed of 310 m/h. The de-clutch button and the power shuttle will allow the operator to shift through all gears and change from forward to reverse without depressing the clutch pedal. The shuttle response is electronically modulated and adjustable by the operator.

IBS BRAKING SYSTEM FOR SAFE OPERATION

Designed to ensure maximum safety on the road, the X5 features the IBS in-tegrated brake system. With wet disc brakes fully integrated into the front axle, the IBS system provides efficient braking on all four wheels reducing stopping distances by up to 50% as compared to two-wheel braking systems. When activated, the front and rear brakes produce a braking force proportional to the foot pressure applied on the brake pedal, thereby ensuring safe, controlled stopping power in any situation. The IBS system can be integrated with the trailer brake system to ensure efficient braking of the tractor-trailer combination for safe stopping on steep slopes.



With the X5, you choose the transmission that best suits your needs

Designed with versatility in mind, the McCormick X5 multi-utility tractor offers up to eight transmission configurations to meet the specific needs of each farm:

1. **Speed Four:** 12/12 speeds with power shuttle.
2. **Power Four with hydraulic Hi-Lo (*OPTIONAL):** 32/32 speeds with power shuttle and creeper.

McCormick has further improved its renowned range of rugged and reliable transmissions to maximize the tractor's performance in terms of power and fuel efficiency.



TWIN LOCK, THE FULL LOCKING DIFFERENTIAL

The X5 tractor range is equipped with combined front and rear differential locks to reduce wheel slip and maximize traction on all four wheels. The system automatically engages or disengages the differential lock and the four-wheel drive, making the operator's job easier and faster.

TRUE HYDRAULIC VERSATILITY TO SUIT YOUR NEEDS

The hydraulic system is configured to suit your application needs.

The hydraulic system of the X5 is configured to fit the specific requirements of each farmer. The X5's dual-pump hydraulic circuit is available in two configurations: 62 + 32 l/min or 82 + 32 l/min. The system ensures efficient management of up to seven hydraulic functions: three mechanical and one electronic rear-mounted remotes, two mid-mounted remotes and a two-way flow divider that allows simultaneous operation of two hydraulic functions. Conveniently placed high-quality quick-connect couplings provide reliable and fast connections.

High-flow hydraulics for greater operating comfort.

The high hydraulic flow of the X5 allows the tractor to operate efficiently at lower engine rpm. This reduces fuel consumption and mitigates vibrations and noise for maximum ride comfort. The dedicated steering pump ensures smooth and accurate maneuvers whatever the operating conditions and the task at hand, further increasing operator comfort.

Improved efficiency means greater productivity.

Designed to offer true versatility, the X5 can be equipped simultaneously with a front hitch and PTO, a front loader and a rear hitch. This flexibility allows the tractor to work with front and rear implement combinations, making it a true champion of efficiency and productivity.



HIGHLIGHTS

- › True versatility with the front hitch and PTO
- › Triple pump providing 82 + 32 l/min
- › Up to seven hydraulic functions: six remote valves and one flow divider
- › Front hitch Category 2 capable of lifting up to 2200 kg.

The X5 features an open-center hydraulic system with a pump that provides a flow rate of either 62 l/min or 82 l/min to operate the remote valves, the front and rear hitches and the front loader. A second pump with a flow rate of 32 l/min is dedicated to the steering system. This hydraulic capacity allows the operator to:

- > speed up work;
- > carry out multiple tasks simultaneously;
- > perform heavier-duty tasks;
- > reduce fuel consumption thanks to lower rpm engine operation;
- > experience higher levels of comfort and well-being, because the lower engine speed reduces noise and vibrations;
- > turn smoothly, even when performing the most demanding of tasks, thanks to the dedicated steering pump.

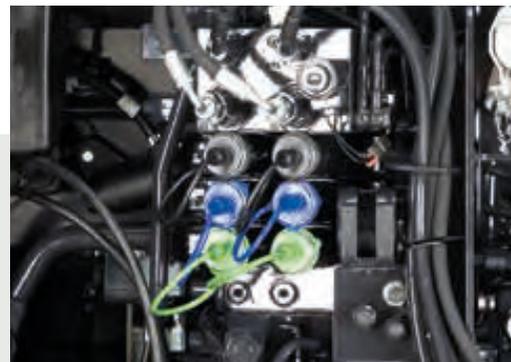
A HYDRAULIC SYSTEM DESIGNED FOR PRODUCTIVITY AND COMFORT

CONFIGURABLE HYDRAULIC SYSTEM FOR MAXIMUM EFFICIENCY AND FLEXIBILITY

The hydraulic system of the X5 operates up to seven hydraulic functions: three mechanical and one electronic rear-mounted remotes, two mid-mounted remotes for the use of a front loader and other front-mounted implements, and a two-way flow divider that splits one remote into two. Four types of remote valves are available that can be used in combination to suit different application needs:

- **Standard:** double-acting;
- **Kick-out:** with automatic detent release;
- **Float:** for implements that follow the contour of the ground;
- **Hydraulic motor/float:** for implements requiring a hydraulic motor or a float function.

The X5 multi-purpose tractor is a champion of versatility and efficiency: each configuration allows the tractor to work with the front hitch, the front loader, the rear hitch and a variety of front- and rear-mounted implements. Each remote features high-quality, easy-to-reach quick-release couplings for fast operation. Also, the flow divider allows the user to adjust the oil flow delivered to each remote.



HIGH-PERFORMANCE HYDRAULIC SYSTEM

The X5 tractor range features an open-center hydraulic system with a total flow of 24.3gpm (62 l/min) allowing efficient operation of all hydraulic functions. A dedicated pump to the steering system ensuring smooth and precise turning in any conditions for enhanced operator com-fort and productivity.

High-quality quick-release couplings, conveniently fitted on the rear of the tractor, allow quick and easy connection/disconnection of hydraulic lines for fast operation.



WIDE CHOICE OF REAR HITCHES TO MEET EVERY NEED

The X5 tractor can be equipped with three types of rear hitch to suit different application needs:

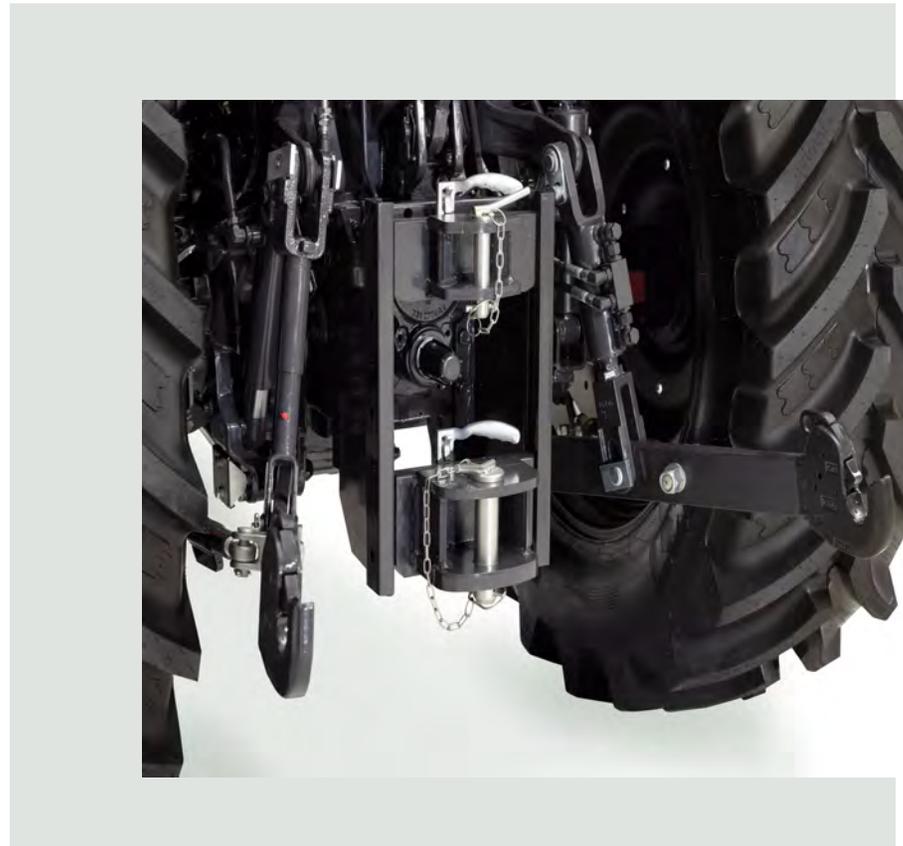
- >Mechanical: simple and easy to use;
- >Mechanical with ELS system: speeds up headland operations;
- >Electronic: repeats operations and recalls stored positions with maximum precision for greater productivity.

Each option features external hitch controls on fenders. Quick-attach couplings allow for convenient and fast connection and disconnection of implements. The three-point hitch Category 2 can be equipped with twin assister rams, boosting lift capacity up to 4500 kg.

Loader Information

- >The front loader can be used even when the tractor is equipped with a front-mounted hitch.
- >The X5 is equipped with special supports designed to make fitting and removal of the front loader easier. The Euro Hitch implement carrier allows a wide range of implements to be fitted.
- >The bucket level gauge allows the operator to determine the exact angle of the implement to the ground.

McCormick tractors and front loaders form together a perfect duo that will deliver best-in-class efficiency and productivity in any application.



Loader Model		L31	L36	L41	L46
Loader Type (Euro Hook Tool Carrier)		Non-Self Leveling	Self Leveling	Non-Self Leveling	Self Leveling
Max. Lift Height At Pivot Pin	in (mm)	139.8 (3550)	139.8 (3790)	149 (3790)	149 (3790)
Lift Capacity to Max. Height 31.5" (800 mm) Fwd of Pivot	lb (kg)	2,760 (1250)	3,420 (1551)	3,440 (1560)	4,230 (1918)
Breakout Force at Ground Level 31.5" (800 mm) Fwd of Pivot	lb (kg)	3,950 (1791)	3,590 (1628)	4,870 (2208)	4,390 (1991)
Bucket Rollback Force at Ground Level 31.5" (800 mm) Fwd of Pivot	lb (kg)	5,360 (2431)	5,270 (2390)	7,740 (3510)	7,410 (3361)



QUICK MAINTENANCE TO GET YOU BACK UP AND RUNNING IN NO TIME

Designed to deliver maximum versatility and efficiency, the **X5** offers a variety of solutions to simplify and expedite maintenance.

1. The tilt-up bonnet opens wide to provide easy access to the engine compartment for maintenance.
2. The oil filler cap is placed in the lower part of the engine, so topping up of engine oil can be done without opening the bonnet.
3. The engine air filter is positioned in such a way as to facilitate cleaning and replacement.
4. The radiators with widely spaced cooling fins and easily removable dust cover allow for simple and fast, thorough cleaning.
5. The fuel tank is conveniently placed to allow for quick and easy filling.
6. The air filters, fitted on the cab roof, are easily accessible for maintenance.
7. The oil level in the transmission can be conveniently checked through the oil filler cap with dipstick located at the tractor's rear.



Tractor Model		X5.100	X5.110	X5.120
Performance				
Max. ISO Engine HP @ 2000 RPM	HP (kW)	95.2/70	102/75	114/84
Max. ISO PTO HP @ 2000 RPM*	HP (kW)	80/59	88/65	97/71
Max. Engine Torque @ 1400 RPM	lb ft (Nm)	395	430	460
Engine				
Engine Type	FPT F36 engine Tier 5, TACR, DOC + SCRoF, 3.6L, 4-cyl 16v			
Engine Size	3.6 Liter, 4-cylinder			
Fuel Capacity	gal (liter)	35.6 (135)		
Drive Train				
Transmission Type	Transmission (12 x 12) with 4 gears and 3 ranges - 40km/h			
Optional Transmission	Transmission (32 x 32) with hydraulic power shuttle, 2-speed power-shift			
Differential Lock	Front: Hydralock full locking differential; Rear: Electrohydraulic			
4wd Front Axle	4WD Hydralock front axle with integrated brakes			
Tire type	Radial tires standard			
Hydraulics, 3-point Hitch, PTO				
Hydraulic System/Max. Flow	Open center with tandem hydraulic pumps			
Hydraulic Flow Rate	gpm (lpm)	62 (32)		
Rear Remote Valves	2 Rear spool valves S/D acting			
Rear 3-point Hitch Type	3-point linkage, Cat. 2, telescopic ball ends, pin-type telescopic stabilizers. Lift capacity 9,920 lb (4,500 kg)			
Rear 3-point Lift Capacity @ Hitch	lb (kg)	9,920 (4,500)		
Rear PTO	540/1000 rpm PTO - Hydraulic engagement, controls on rear fender			
Operator's Area				
Operator's Area	Cab or 2-post folding ROPS			
Seat and Front Dash	ROPS: Adjustable vinyl seat, mechanical suspension; tilt steering wheel Cab: Cloth seat, air suspension; tilt and telescopic steering wheel			
Wheelbase	in (mm)	92.7 (2,355)		
Height Over ROPS in Raised Position	in (mm)	103 (2,622)		
Height Over Cab	in (mm)	103.26 (2,623)		
Overall Length without Front Weights	in (mm)	9,832.61 (4,460)		
Base Weight without Ballast	lb (kg)	15,432.36 (7,000)		

*Manufacturer's calculated estimates. +/- 5% tolerance.



McCormick North America
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