

X4

64 to 107 Engine HP

McCORMICK



New *McCormick X4 Series*, Rugged, dependable, versatile... *...what a utility tractor should be.*

REDEFINING WHAT A UTILITY TRACTOR SHOULD BE

The new McCormick X4 Series utility tractors are built from the ground up to be dependable and versatile. From the powerful 4-cylinder diesel engine to the rugged 12-speed shuttle transmission and heavy duty rear axle, these machines have the tools to tackle a wide range of applications on the farm or job site. Available in an open station ROPS or climate-controlled cab, the X4 line-up works hard in all climates and conditions to get the job done.

Hay, loader work, dairy, livestock or general around-the-farm work, the new X4 Series is up to the challenge.

RELIABLE DEUTZ ENGINES

Powering the X4 Series is the legendary Deutz diesel engine. These 4-cylinder power plants build on their heritage of quality and dependability by boasting modern technologies that generate big torque to power through the toughest conditions.



2.9L Engine



3.6L Engine

MAINTENANCE FREE EMISSIONS SYSTEM

All X4 tractors are EPA Tier 4i compliant using a "No Maintenance" emissions system. All models incorporate cooled exhaust gas recirculation (EGR) to clean up the exhaust, as well as a diesel oxidation catalyst (DOC) to further reduce harmful emissions. The emission control system is simple and efficient, and requires no input or maintenance from the operator.



SINGLE PIECE HOOD

The X4 models feature a single piece raising hood that opens easily to grant full access to the engine compartment for maintenance and service. Daily maintenance, such as engine oil checks, can easily be done without raising the hood.

STANDARD 12-SPEED GEARBOX

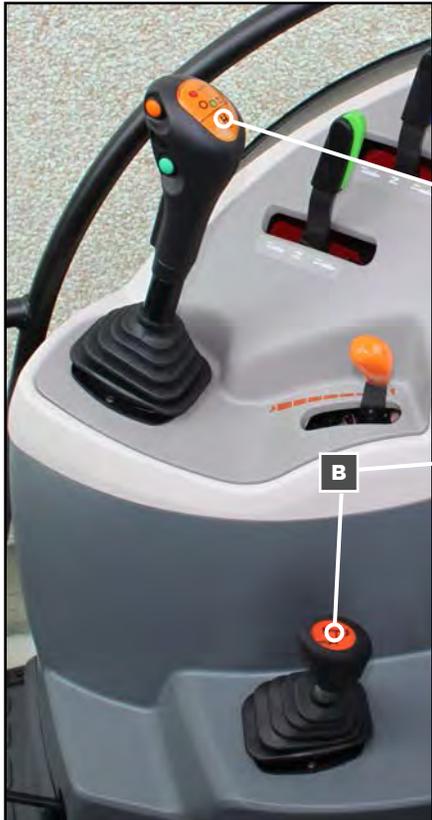
All X4 models feature a 12-speed transmission as standard equipment. Designed and built in-house by McCormick, the heavy duty transmission offers 12 forward and 12 reverse speeds, with seven of those speeds in the coveted 2-9 mph (3.2-14.5 kph) "working range".

The in-cab transmission controls consist of two levers intuitively placed in the right hand console for easy operation. One lever [A] operates 4 fully synchronized gears, while the other lever [B] operates 3 ranges.



AVAILABLE CREEPER GEAR

For special applications that require the tractor to operate at high engine RPMs with a very low ground speed, a factory creeper gear set is available. Located as a 4th position on the transmission's range lever, the creeper provides four additional speeds to improve versatility. When in operation, the creeper allows the tractor to travel at a staggering 0.2 mph (0.32 kph) while the engine turns at rated speed. The operator has access to the engine's full power and torque while in creeper gear.



CHOICE OF MECHANICAL OR POWER SHUTTLE TRANSMISSION

When it comes to work on a farm, especially loader work, nothing beats a shuttle transmission. A shuttle provides easy shifting from forward to reverse and back again. The X4 Series offers a choice of a mechanical synchro or hydraulic power shuttle transmissions.

The ***synchronized mechanical shuttle*** uses a hand lever on the left side of the steering column to mechanically engage the forward or reverse gear. During each direction change, the operator must depress the foot clutch while moving the shuttle lever. A large, dry disc clutch ensures durability and ease of operation.

The ***hydraulic power shuttle*** uses an electronically controlled hydraulic clutch to engage the forward or reverse gear. A simple left hand shuttle lever selects the travel direction. The operator does not have to depress the foot clutch while using the shuttle lever, making operation simple. A wet, multi-disc clutch is oil-cooled for a long service life. Shuttle intensity is easily adjustable to suit the operator.

2-SPEED POWER SHIFT

An optional 2-speed power shift is available on the 3 largest models and gives the operator the ability to quickly downshift to a lower, more powerful gear with the press of a button [C]. The lower gear provides greater torque to the wheels and a slightly slower ground speed to pull through tough conditions.

The de-clutch button [D] allows the operator to shift gears without using the foot clutch pedal.



Built to work in any environment...

...including yours. Hay, livestock, dairy and the list goes on...

PUSH-BUTTON 4WD AND DIFFERENTIAL LOCK

All X4's feature electro-hydraulic 4wd engagement; the three largest models have hydraulic engagement of the rear differential as well.

Push buttons conveniently located in the right hand console activate the 4wd and differential lock to improve traction. The front axle on the three largest models has a fully locking differential that engages with the rear axle diff. lock for true all-wheel pulling performance.



4-WHEEL BRAKING

The X4 Series offers the safety of 4-wheel braking. When both brake pedals are applied, the 4wd clutch automatically engages, transferring stopping power to all four wheels.



4WD FRONT AXLE

All X4 tractors feature a 4wd front axle as standard equipment. Boasting a rugged cast steel housing with heavy duty outboard planetary final drives, the robust axle digs the front tires into the dirt for greater traction and can support the heavy loads of loader work.

Hydrostatic power steering with a dedicated pump makes turning effortless, even while working with a front loader.



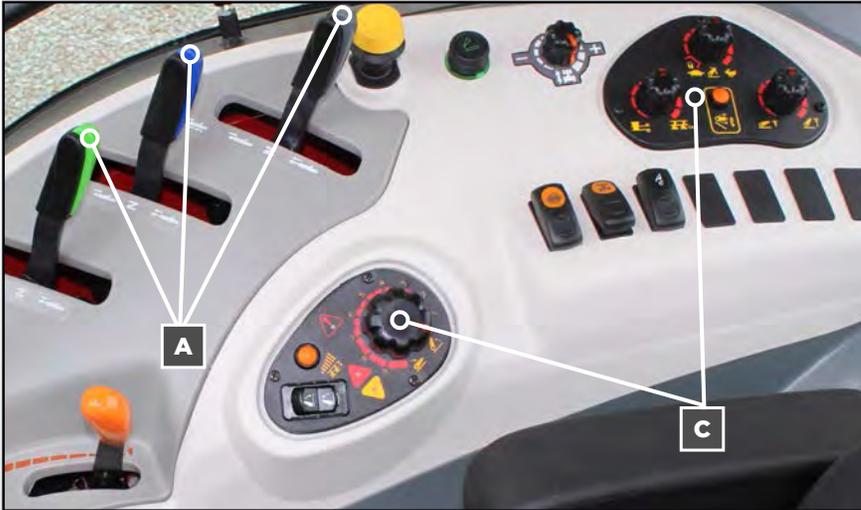
540 AND 1000 RPM PTO

To further enhance its versatility, every X4 model includes both 540 and 1000 RPM PTO speeds to power a wide variety of implements. The rear shaft is easily changed in the field to quickly adapt to new applications. A lever to the left of the operator's seat selects the PTO speed, and a simple push button starts the PTO.



SUPERIOR HYDRAULICS TO HANDLE ANY TASK

In a utility tractor, having a good, responsive hydraulic system is paramount; and the X4 Series is well equipped to handle the biggest hydraulic demands. Featuring an open center system with a dedicated pump that puts out up to 15 GPM (57 LPM) of hydraulic flow to the 3-point hitch and implement system, these tractors have the brawn to do the heavy lifting around any farm.



HEAVY LIFTING 3-POINT HITCH

The X4 Series incorporates a beefy rear 3-point hitch that can lift up to 8,600 lbs (3900 kg) at the ball ends, depending on the model and equipment. The ASAE Category 2 hitch features adjustable lift arms and extendable ball ends for easy implement hookup. Telescopic stabilizers can be locked into position or allowed to sway freely to match the job at hand. Lower link draft sensing lets the operator customize the hitch's performance for ease of use and maximum productivity.



IN-CAB HYDRAULIC CONTROLS

Controls for the rear 3-point hitch and remote valves are located in the right hand console for easy reach and operation. Intuitively placed for comfort, the remote valve levers [A] are color coded and feature rollover safety locks. For tractors equipped with a mechanical 3-point system, twin levers next to the seat [B] operate the position and draft controls. The optional electronic 3-point hitch control system features a simple push-button and rotary dial control group [C] in the right hand console for precise implement operation.

CONVENIENT FENDER CONTROLS

Push buttons in both rear fenders allow the operator to control the PTO and the rear 3-point hitch from the ground for convenience (tractor must be properly equipped).



REMOTE VALVES

All X4 models offer 2 rear remote valves as standard equipment, with a 3rd rear valve optional from the factory. Stacked vertically, the rear valves feature ISO 1/2" quick-connect couplers that are easy to reach, making implement connection easy.



Working hard shouldn't be hard work

Select the level of comfort that you demand.

CHOOSE YOUR ENVIRONMENT

The X4 Series is available in either an open station ROPS or enclosed cab configuration. The open station offers a wide flat foot deck with suspended seat and adjustable steering wheel to maximize comfort. A folding ROPS and horizontal exhaust lets the tractor work in height restricted areas or enter buildings with low overhead space.

Cab models sport a large 4-post structure with completely flat foot deck and twin opening doors for easy entry and exit. An available deluxe air-suspended operator's seat make long days in the field less tiring. The cab sits high on the chassis to offer unprecedented visibility in all directions. Bright field lights in the hood and in the front and rear roof line, allows for daytime work to continue into the night. External left and right mirrors help improve the operator's vision, and a vertical exhaust pipe follows the cab pillar to further increase visibility.



COMFORTABLE CLIMATE CONTROL

The sealed environment of the cab includes a stout HVAC with twin blowers to keep the inside climate comfortable in all weather conditions. Both external and recirculating air filters ensure a clean, dust-free environment, and all filters are easily accessed for cleaning and maintenance.



EXCELLENT VISIBILITY

The panoramic cab has large glass doors and windows to provide 360 degrees of visibility for safe, comfortable operation. Both doors open widely for easy cab access, and the rear window opens easily when needed. There is even a window in the roof, near the front windshield, allowing the operator to see a raised loader bucket without having to lean forward.

The front dash, with digital display, tilts with the steering wheel for better visibility to keep the operator informed of the tractor's performance. Lighting controls are placed near the steering wheel for easy reach and operation.

INSTRUCTOR'S SEAT

An available instructor's seat integrates into the forward section of the left side console to provide a safe, comfortable place for an instructor to sit during tractor demonstrations. The padded seat includes a seatbelt for safety and adjustable back rest for comfort. When not in use, the cloth-covered seat folds up and out of the way to offer greater space for entering and exiting the tractor.



HIGH PERFORMANCE FRONT LOADERS

The New X Series front loaders have been designed with convenience, durability and performance in mind. The universal skid steer type or popular hook-type tool connector lets the operator quickly remove the bucket and attach a wide variety of other tools. Easily accessible bushings with grease fittings promote long life and dependability. The hose routing system prevents damage and allows for excellent visibility. The quick attach loader design with integrated parking stands allows the entire loader frame to be removed easily when required.



Loader Model		X421	X426	X431	X436
Loader Type		Non-Self Leveling	Self Leveling	Non-Self Leveling	Self Leveling
Max. Lift Height At Pivot Pin	in (mm)	122 (3100)	122 (3100)	134 (3400)	134 (3400)
Lift Capacity to Max. Height 31.5" (800mm) Fwd of Pivot	lb (kg)	1,870 (848)	2,610 (1184)	2,082 (944)	3,263 (1480)
Breakout Force 31.5" (800mm) Fwd of Pivot	lb (kg)	3,114 (1412)	3,392 (1538)	3,435 (1558)	3,564 (1616)
Rollback Force 31.5" (800mm) Fwd of Pivot	lb (kg)	4,037 (1831)	3,221 (1461)	4,105 (1862)	4,059 (1841)
Loader Weight	lb (kg)	683 (310)	794 (360)	739 (335)	860 (390)
Compatible Tractor Models		X4.20, X4.30, X4.40		X4.50, X4.60, X4.70	

Tractor Model		X4.20	X4.30	X4.40	X4.50	X4.60	X4.70
Engine							
Rated Engine Horsepower @ 2200 RPM	HP (kW)	61 (45)	68 (50)	75 (55)	85 (63)	95 (70)	101 (74)
Rated PTO Horsepower* @ 2200 RPM	HP (kW)	51 (38)	57 (42)	63 (46)	71 (52)	79 (58)	85 (63)
Max. Engine Horsepower	HP (kW)	64 (47)	72 (53)	79 (58)	90 (66)	99 (73)	107 (79)
Max. PTO Horsepower*	HP (kW)	54 (40)	61 (45)	68 (50)	76 (56)	85 (63)	93 (69)
Engine Type		Deutz 2.9L 4-cylinder, liquid cooled diesel			Deutz 3.6L 4-cylinder, liquid cooled diesel		
Emissions System		Tier 4i with "No Maintenance" emissions system; Cooled EGR and diesel oxidation catalyst (DOC)					
Fuel Capacity	gal (liter)	23.7 (90)			31.7 (120)		
Drive Train							
Standard Transmission		12x12 shuttle transmission; 4 gears and 3 ranges; 25 mph (40 kph) transport speed					
Optional Transmission		Creeper			Creeper; 2-speed power shift		
Shuttle Type		Synchronized mechanical shuttle standard; hydraulic power shuttle optional					
Rear Axle		Heavy duty cast steel axle with flange; inboard planetary final drives; hydraulic wet disc brakes					
Differential Lock		Fully locking rear; limited slip front			Fully locking front and rear; electro-hydraulic engagement		
4wd Front Axle		Cast steel housing; outboard planetary final drives; hydrostatic power steering ; 4-wheel braking					
Hydraulics, 3-point Hitch, PTO							
Implement Hydraulic System Type		Open center hydraulic system; separate implement and steering pumps					
Hydraulic Flow Rate	gpm (lpm)	7.4 (28) for steering; 12.9 (49) to implements			8.5 (32) for steering; 15 (57) to implements		
Remote Valves		2 rear remote valves standard; up to 3 rear valves possible					
Rear 3-point Hitch Type		ASAE Category 2 hitch, telescopic ball ends, telescopic stabilizers					
Rear 3-point Lift Capacity	lb (kg)	5,952 (2700) standard, 7,495 (3400) optional			5,952 (2700) standard, 8,600 (3900) optional		
Rear PTO		540 and 1000 RPM speeds standard; push-button engagement; rear fender control					
Operator's Area							
Open Station		2-post folding ROPS; flat foot deck; adjustable steering wheel; suspended vinyl seat; front mud guards, rear work light					
Cab		4-post structure; 2 doors; flat foot deck; heavy duty HVAC; adjustable steering wheel; available air suspended cloth seat					
Wheelbase	in (mm)	82.7 (2100)			87.8 (2230)		
Height Over ROPS <i>420/85R30 rear tires</i>	in (mm)	111.0 (2794)					
Height Over Cab <i>420/85R30 rear tires</i>	in (mm)	97.2 (2470)					
Overall Length <i>with front weights</i>	in (mm)	165.0 (4190)			170.1 (4320)		
Base Weight <i>without Ballast</i>	lb (kg)	6,380 (2900) ROPS / 7,130 (3240) cab			7,025 (3200) ROPS / 7,775 (3540) cab		

* Manufacturer's calculated estimates

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