X8
631 VT-Drive
LRC
ONLY ONE.
Power Technology
McCORMICK

McCORMICK X8,
INNOVATION AT FULL THROTTLE

Continuous technological innovation and constant pursuit of quality have been the cornerstone of Argo Tractor's activity since its foundation more than 30 years ago. This ongoing commitment has lead to the design and development of the innovative McCormick **X8** tractor range which sets the benchmark worldwide for power, reliability, user-friendly technology and comfort.

The **X8** tractor is designed to suit the most demanding needs of large farms and full-time agricultural contractors.
The new generation **X8** has received a more contemporary, aggressive look that will not go unnoticed. Completely redesigned, the automotive-style Premiere Cab offers the operator a spacious working environment with high-grade fit and finish, ergonomically-arranged controls and easy-to-use instruments, such as the 12-inch touch screen monitor. Everything inside the cab is designed to maximize the operator comfort.

The **X8** range features an innovative VT-Drive four-stage continuous variable transmission. A high-flow hydraulic system provides a total flow of 212 l/min and supplies 140 l/min to up to eleven electrohydraulic remote valves.
Located within a heavy-duty cast-iron chassis and carried on iso-mounts, the new FPT N67 engine moves the tractor's centre of gravity forward, making the vehicle well balanced and stable.
The chassis not only helps isolate the cab from engine-generated vibration, but enables the tractor to transfer all the power to the ground. With a maximum power of 305 hp, the X8.631 is the most powerful model in the range.

Choosing McCormick means you can count on a reliable partner that delivers industry-leading technology along with outstanding performance and uncompromising reliability.

HIGHLIGHTS

Cab
- Four-post design with semi-active suspension system.
- 12-inch DSM touch screen monitor.
- Automatic climate control.

Engine
- Electronically-controlled variable-geometry turbocharger (eVGT).
- Tier 2 emissions control technology.
- Engine located within a cast-iron chassis for enhanced traction and performance.
- Coolers open out to allow easier and faster cleaning.
- 550-liter fuel tank.

Transmission
- VT-Drive four-stage continuous variable transmission
- Four programmable speed ranges.
- Transmission controls integrated into the VT Easy Pilot proportional controller.
- Lower fuel consumption, reduced operating costs.
- 40km/h or 50 km/h Eco speed at reduced engine rpm.

Axles
- Electronically-controlled centre-pivot front suspended axle.
- Front axle with wet disc brakes.
- Rear axle with annular-piston wet multi-disc brakes.
- Automatic 4WD and differential lock engagement.
- Full locking differential.
- Tyre size up to 900/60 R42 (Ø 2.15 m) available as an option.

Hydraulic system
- Closed-centre hydraulic system with variable-displacement pump up to 212 l/min.
- Electronically-controlled rear hitch with up to 12,000 kg lift capacity.
- Three-speed PTO.

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THE X8 GIVES YOU GREAT ALL-ROUND VISION

A wide field of view helps you work better and feel less tired.
The new four-post Premiere Cab with its one-piece panoramic windscreen offers the driver clear all-round visibility while giving the X8 an aggressive, contemporary look.

Larger tanks reduce refuelling time.
Access steps have been integrated into the fuel tank, allowing tank capacity to be increased to 550 litres. This results in extended operating range and reduced refuelling frequency.

Controls designed to simplify your work.
Integrated into the armrest, all controls are servo-assisted, easy to use and ergonomically designed according to anthropometric principles. They allow the operator to control the X8 in a simple and intuitive manner, thereby reducing fatigue and stress.

X8, POWER AND STYLE ALL IN ONE

HIGHLIGHTS

- Designed to surprise with aggressive, contemporary looks
- Wrap-around fenders with fixed extensions and two latest-generation LED tail lights.
- Easy-to-climb access ladder with four well-spaced steps integrated into the fuel tank.

In designing the X8 series, our primary goal was to design technical solutions that could become a worldwide benchmark for this tractor segment. But that wasn't enough: in the new X8 series, technology has been dressed in a new design with sleek, dynamic lines that give this tractor an aggressive, yet classy look. This, combined with ultimate comfort and a high-quality, automotive-grade fit and finish, makes driving an X8 an exciting experience.

SEATED IN THE CAB, YOU WORK FULLY RELAXED

You feel fresh after a full day's work.
The engine features a rugged chassis with shock absorbing rubber mounts which help effectively reduce shocks and vibrations. The semi-active cab suspension can be specified with three different shock absorbing levels. The cab features a flat-deck platform and an air-suspended driver seat with ventilation system. The automatic climate control provides uniform air distribution to ceiling, instrument panel and platform for enhanced operator comfort.

Inside the cab, you control everything with simple controls.
The four-post cab with one-piece panoramic windscreen offers unequalled all-round visibility. All controls are ergonomically designed according to anthropometric standards and are servo-assisted to ensure smooth and precise manoeuvring in any situation. A tablet-like touch screen allows for simple and intuitive operation. Twenty work lights provide excellent illumination for night work and a rearview camera gives the driver unobstructed view behind the tractor.

You can make clear hands-free phone calls.
Perfectly soundproofed with automotive-grade sound-deadening materials, the tractor cab features a stereo radio system with Bluetooth, MP3 player and USB flash drive. High-quality loudspeakers provide clear sound output and an integrated microphone allows the operator to make hands-free phone calls.

PREMIERE CAB: YOUR NEW OFFICE IN FIRST CLASS

The Premiere Cab is a new-concept four-post design with rear hinged doors that provides unobstructed visibility in all directions, allowing the driver full view of blind spots without changing position. The cab is pressurized to keep a clean, dust-free environment, while a highly-efficient sound insulation system maintains an in-cab noise level of only 70 dB for maximum comfort of operation.
Wide, well-spaced access steps allow the operator to easily get in and out of the cab, while the buddy seat neatly folds away making for easier and safer access. The cab interior features an automotive-style fit and finish with easy-clean soft-touch materials.
The instrument panel tilts with the steering wheel to suit the driver's need. The Alcantara upholstered swivel seat features dynamic air suspension system, fully automatic height adjustment, anti-vibration system and backrest heating and ventilation for best-in-class driving comfort. The main tractor controls are integrated into the multi-function right-hand for maximum comfort of operation. The ergonomically-designed VT-Easy Pilot controller provides easy and intuitive control of key tractor functions. Integrated into the armrest is a 12-inch touch screen monitor with simple tablet-like graphics that allows the operator to directly manage and control the tractor operation.
The Premiere Cab's standard equipment includes a refrigerated in-cab storage compartment and bottle holder, 12V sockets for charging mobile devices, an internal mirror, an opening transparent roof hatch providing extra visibility for loader operations and 10 LED work lights fitted on the roof that provide daylight illumination for night work. Integrated into the cab roof, a highly-efficient automatic climate control maintains the desired cab temperature whatever the outdoor weather conditions.

HIGHLIGHTS

- Four-post cab design with flat-deck platform.
- One-piece panoramic windscreen for unequalled all-round visibility.
- Semi-active cab suspension.
- Instrument panel tilting with steering column.
- Ventilated air suspension seat with swivel optional.
- Multi-function armrest with ergonomically-designed controller and integrated controls.
- 12" Data Screen Manager touch screen monitor.
- Hide-away buddy seat for easier access to the cab.
- Automatic climate control.
- Opening transparent roof hatch.
- Automotive-style interior with soft-touch materials.
- Radio with MP3 player and Bluetooth standard.
- Up to 20 latest-generation LED work lights on hood, cab and fenders.

DIGITAL INSTRUMENT PANEL AND ADJUSTABLE STEERING WHEEL

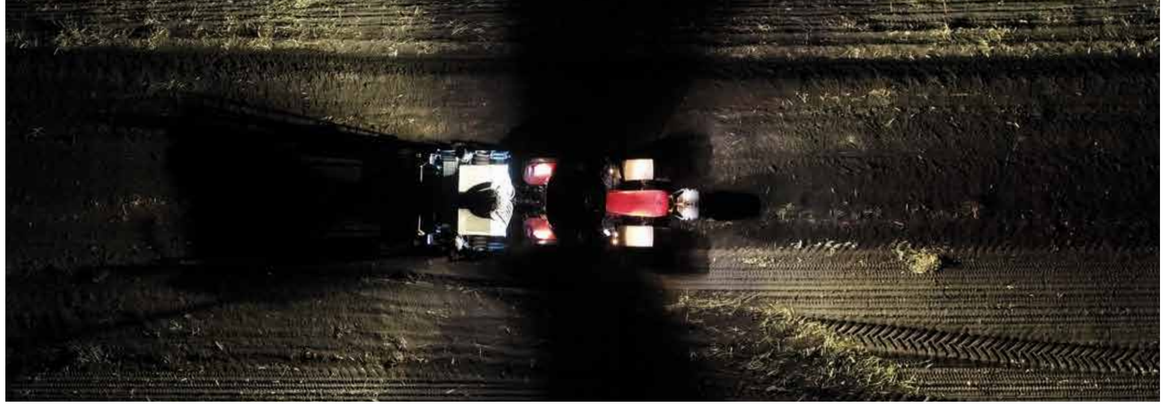
Simple and intuitive, the digital instrument panel keeps the operator constantly informed on the tractor's performance.
The telescopic tilt-adjustable steering wheel is designed to tilt with the instrument panel.

TOUCH SCREEN MONITOR AND MULTI-FUNCTION ARMREST

Thanks to its user-friendly tablet-like graphic interface, the large 12-inch DSM touch screen monitor enables simple and intuitive control of implements.
Integrated into the driver's seat, the multi-function armrest is ergonomically designed to allow a quick and intuitive use of main tractor controls.

DRIVER SEAT AND HIDE-AWAY BUDDY SEAT

The driving position features a large and stylish Alcantara upholstered swivel seat equipped with air suspension system, fully automatic height adjustment and backrest heating and ventilation for maximum driving comfort.
Passengers can also travel in comfort thanks to an innovative, upholstered buddy seat, which neatly folds away to allow easier and safer access to the cab.



AUTOMATIC CLIMATE CONTROL AND OPENING ROOF HATCH

A highly-efficient automatic climate control integrated into the cab roof distributes air throughout the cab via strategically positioned vents maintaining the desired in-cab temperature whatever the outdoor weather conditions.
The automatic climate controls are conveniently built into a stylish roof console.
An opening transparent roof hatch provides extra visibility for loader operations.

BLUETOOTH RADIO

The Bluetooth radio enables listening to music also through an MP3 player, an AUX cable or a USB flash drive, while an integrated microphone allows the operator to make hands-free phone calls.

IN-CAB STORAGE COMPARTMENT AND BOTTLE HOLDER

A refrigerated in-cab storage compartment is located on the driver's left, while a practical bottle holder is conveniently placed on the right-hand side.

WORK LIGHTS

The X8 features as many as 20 LED work lights at the front and rear that provide proper illumination during night work.

SEMI-ACTIVE CAB SUSPENSION

Cab Suspension, the innovative semi-active cab suspension system isolates the tractor body from wheel vibrations induced by uneven ground conditions, ensuring maximum ride comfort and safety on all terrains.

› **Semi-active hydraulic suspension.**

OVER 300 HORSEPOWER, TO PULL YOUR BUSINESS FORWARD

The X8 gives you all the power you need!
The **X8** can reach 50 km/h at 1600 rpm, thereby reducing fuel consumption, and can pull any implement in complete safety thanks to the engine brake.

The X8 makes your work easier and cuts consumption by 10%.
The new FPT N67 engines that power the **X8** tractors do not have a particulate filter; this means less components, less maintenance and consequently less costs. Without a DPF, which is fuel consuming and loses efficiency over time, requiring periodic replacement, the engine is more powerful, more efficient and more reliable. In addition, with the FPT N67 engine being located within a rugged chassis, the tractor's centre of gravity moves forward, thereby increasing front wheel grip and traction power. Better traction results in reduced fuel consumption with up to 10% fuel saving compared to same-class competitive engines.

It only takes 5 minutes to clean the coolers.
McCormick has the goal to simplify all those routine operations that are essential to preserve equipment efficiency and reduce downtime. The coolers located in front of the radiator open fully from a single latch allowing quick, easy and accurate cleaning. This preserves the efficiency of the cooling system ensuring smooth engine performance.

HIGHLIGHTS

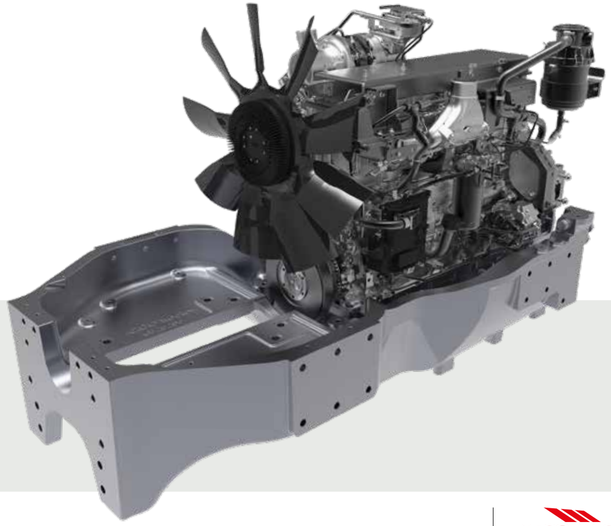
- Electronic engine management with common rail injection system and eVGT variable-geometry turbocharger with intercooler.
- High torque backup.
- Engine meeting Tier 2 emissions regulations.
- Large, easy-fill fuel tank.
- Coolers open out to allow easier and faster cleaning.

RADIATOR MAINTENANCE
The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance. The coolers located in front of the radiator open fully from a single latch to provide easy cleaning in dusty conditions.

FPT N67 engines: technology turns your work into profit

The **X8** tractors are powered by the new FTP N67 6.7L, 6 cylinder engines delivering up to 305/224 hp/kW.

Equipped with eVGT turbocharger, common rail injection system and Tier 2 exhaust gas after-treatment technology, the new FPT N67 are cutting-edge engines that combine simplicity, reliability and durability.



ENGINE CHASSIS
The **X8** features a heavy-duty cast-iron chassis with shock absorbing rubber mounts which support the engine helping isolate both cab and transmission from vibrations.

VT-DRIVE TRANSMISSION, BUILT-IN USER-FRIENDLY TECHNOLOGY

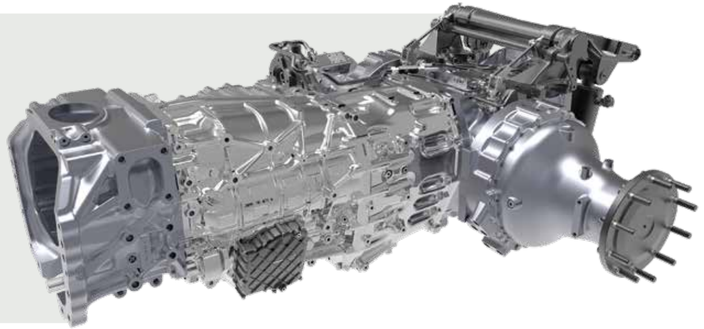
VT-Drive: so easy to use that you can't do without it any more.
The VT-Drive continuous variable transmission selects automatically the most suitable gear ratio allowing seamless speed progression without the need to shift gears. Using the VT-Drive transmission is quite easy: just release the parking brake, select the direction with the power shuttle and step on the gas pedal. This simplicity of operation, combined with intuitive controls and a user-friendly touch screen interface, makes the X8 a pleasure to drive.

You work with the most advanced CVT transmission in the market.
The VT-Drive continuous variable transmission has always stood for efficiency and reliability. Now an innovative four-stage technology makes the VT-Drive transmission the choice for the future, but its benefits are immediately apparent: better fuel economy, smoother driving, greater efficiency.

With the VT-Drive transmission, the X8 responds promptly to your commands.
Combining a powerful engine with a latest-generation VT-Drive four-stage continuous variable transmission, the X8 delivers fast acceleration and unmatched responsiveness.

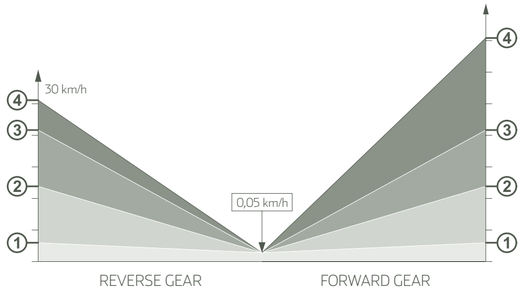
HIGHLIGHTS

- All transmission controls grouped on the VT Easy Pilot controller.
- Speed shifting without use of clutch pedal.
- Soft acceleration, optimum speed, constant traction.
- Greater concentration on the job in hand with the user-friendly VT-Drive transmission.
- Lower fuel consumption, reduced operating costs.
- Remote Shuttle button on multi-function controller for automatic forward/reverse shifting.



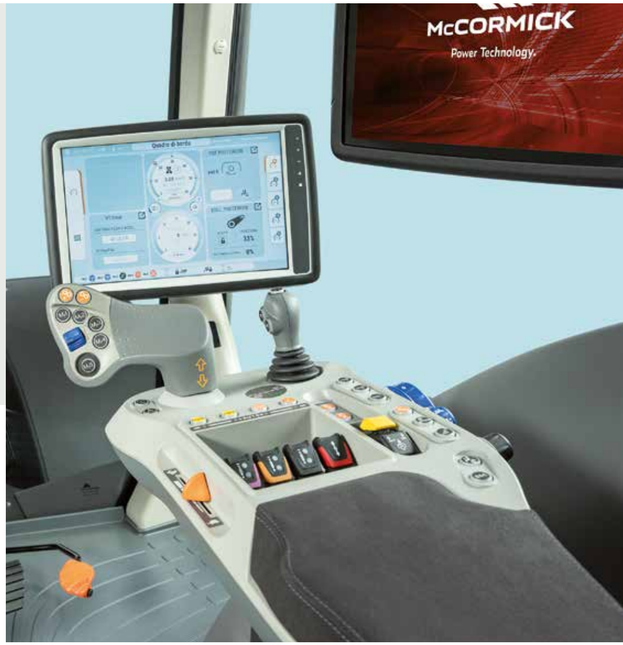
VT-Drive 4-stage continuous variable transmission

The McCormick VT-Drive transmission with its four-stage technology sets a new benchmark in continuous variable transmissions. Using a four-stage instead of usual two-stage CVT transmission offers real benefits to farmers and agricultural contractors who look for multi-purpose tractors capable of ensuring maximum productivity whatever the task or the field conditions.
The VT-DRIVE transmission features four operating modes:
1. Auto Mode – The electronic unit adjusts the engine revs and transmission ratio according to the potentiometer settings to achieve the required speed.
2. Manual Mode – The operator sets the engine speed using the hand throttle. The electronic unit adjusts the transmission ratio to achieve the required speed.
3. PTO Mode – The operator sets the engine speed using the hand throttle. The electronic unit adjusts the transmission ratio to achieve the required speed, giving priority to PTO speed.
4. Cruise Mode – The operator selects the tractor travel speed which remains constant.



VT Easy Pilot multi-function controller

The ergonomically-designed VT Easy Pilot controller integrated into the multi-function armrest provides easy and intuitive control of the VT-Drive transmission, allowing the operator to drive the tractor and operate the implements with maximum ease and comfort.
The VT Easy Pilot controller allows the operator to: select the speed most suited to the implement attached, either increase or reduce the travel speed without using the clutch and gas pedals, shift from forward to reverse without using the steering-column shuttle lever, make headland turns and front loader operations faster using the Remote Shuttle button, operate the rear hitch fast raise lower, use the speed cruise control and operate one remote valve. All functions are clearly displayed on the instrument panel and on the touch screen monitor.



AUTO MODE

The electronic unit adjusts the engine revs and transmission ratio according to the potentiometer settings to achieve the required speed.

ELECTROHYDRAULIC POWER SHUTTLE

The reverse power shuttle allows the operator to automatically shift from forward to reverse without use of the clutch pedal, by simply operating the shuttle control lever adjacent to the steering wheel.
The shuttle response is electronically modulated and adjustable by the operator if required for different tasks.

THE X8 PUTS ALL THE POWER TO THE GROUND

Maximum power transfer to the ground.
With engine located within a rugged chassis and a heavy-duty front axle with independent wheels, the X8 is the tractor that transfers more power to the ground in its class.

Optimum manoeuvrability with a turning radius of only 5 metres.
The X8 tractor is not only very powerful but also compact and easy to handle. With a wheelbase of just 3 metres, the X8 has a turning circle of only 11 metres.

Less soil compaction with the X8 tractor.
With the engine being located within a rugged chassis, the X8 has a 45/55 front-to-rear weight distribution,, making it the best balanced tractor in its power class. This optimum weight distribution helps reducing the amount of soil compaction.

Traction, manoeuvrability and comfort on all terrains

The X8 tractor is built to tackle rough terrain and steep inclines with ease. Outstanding traction and excellent manoeuvrability ensure optimum grip and stability, resulting in improved driving comfort in the field and on the road.

For added grip, 2.15m-diameter tyres (710/75 R42 or 900/60 R42) can be optionally fitted. The rugged front axle is equipped with centre pivot suspension and wet multi-disc brakes.

Reliable wet multi-disc rear axle brakes ensure safe controlled stopping power. When braking, the four-wheel drive engages automatically, which in turn brakes the front axle for efficient braking on all four wheels.

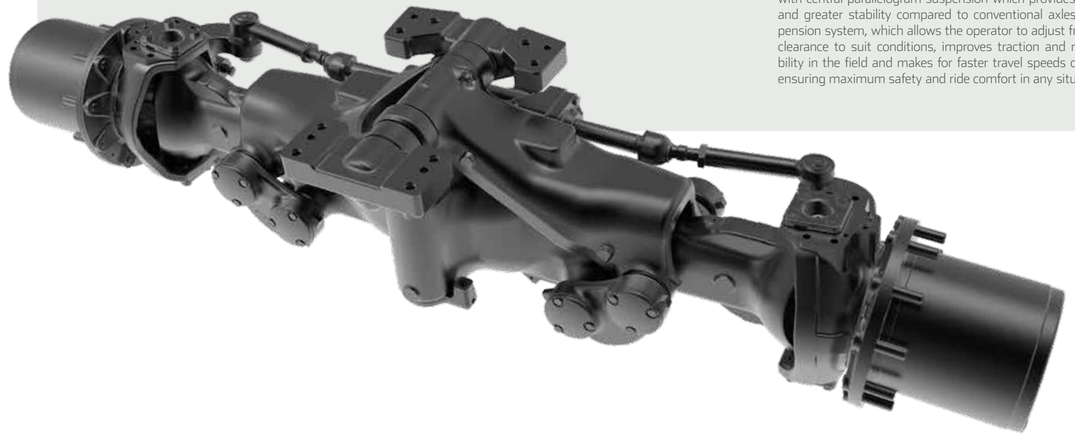
All X8 tractors are also equipped with brake booster to reduce pedal braking effort for improved driving accuracy.

AUTOMATIC 4WD AND DIFFERENTIAL LOCK ENGAGEMENT

All X8 series models are equipped with combined front and rear differential locks to reduce wheel slip and maximise traction. The system, which is controlled electronically via a steering-angle sensor, enables the differential lock and the four-wheel drive to be automatically engaged and disengaged during headland operations.

PIVOTING FRONT AXLE

The X8 features an electronically-controlled pivoting front axle with central parallelogram suspension which provides better grip and greater stability compared to conventional axles. This suspension system, which allows the operator to adjust front ground clearance to suit conditions, improves traction and manoeuvrability in the field and makes for faster travel speeds on the road, ensuring maximum safety and ride comfort in any situation.



X8, HIGH-PERFORMANCE HYDRAULICS

The most powerful rear hitch in its class.
Powerful and reliable, the rear hitch of the X8 provides a lift capacity of up to 12,000 kg and gives the operator precise control of the implement during headland turns and road transport.

The front hitch is equally efficient and reliable.
Integrated into the tractor chassis, the front-mounted hitch of the X8 delivers plenty of lifting power enabling heavy implements to be easily raised when working with front and rear implement combinations. This design enables the hitch to transfer the force evenly over the entire driveline, thereby delivering impressing lifting capability.

Hydraulic system tailored to your specific needs.
Designed to provide high-flow capability, the hydraulic system of X8 offers high-quality components and a wide configuration flexibility to meet the specific needs of farmers and contractors. The system features up to six rear-mounted remote valves with a total flow of 140 l/min, a three-way flow divider, two mid-mounted and three front-mounted remote valves, and fully customizable controls. All functions are controlled electronically and can be configured via a touch screen monitor.

THE **X8** KNOWS HOW TO PUMP UP YOUR **PRODUCTIVITY**

HIGHLIGHTS

- Closed-centre hydraulic system with 160 l/min variable-displacement pump. A 212 l/min pump is available as an option.
- Electronically-controlled rear hitch with up to 12,000 kg lift capacity.
- Front hitch with up to 5000 kg lift capacity as standard.
- Three-speed PTO as standard (540Eco/1000/1000Eco rpm).
- Front hitch and PTO option.
- The system includes a 3-way flow divider and up to 11 dedicated electrohydraulic remote valves: 6 at the rear, 2 mid-mounted and 3 at the front, including one dedicated to the hitch.

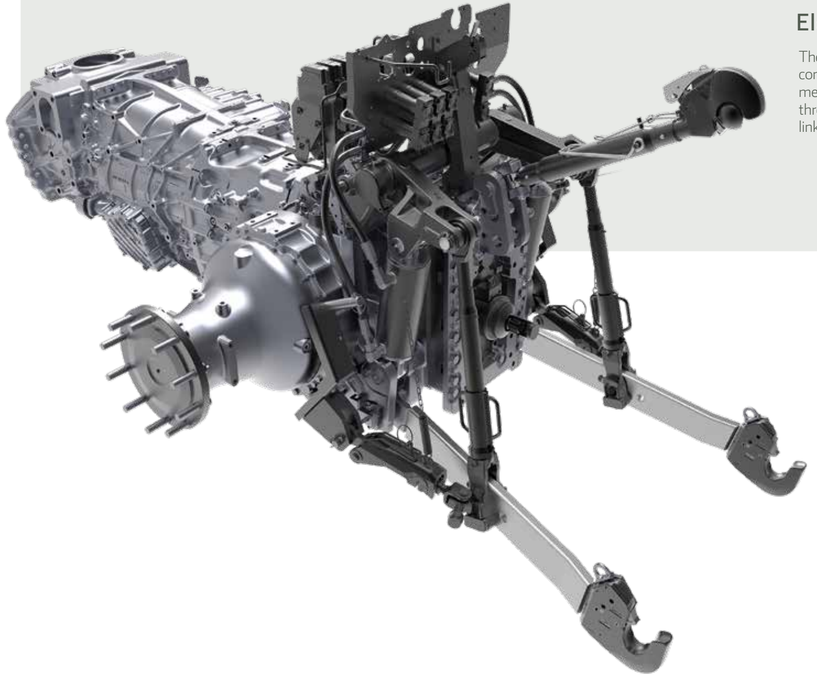
The **X8** tractors feature a closed-centre hydraulic system with variable-displacement pump. This means that the pump always delivers exactly the quantity of oil that the system requires, thereby eliminating unnecessary power waste. The system supplies 160 l/min to the hitch and remote valves and 115 l/min to the electronic steering system, allowing for simultaneous operation of all hydraulic functions.
The rear hitch provides a lifting capacity of up to 12,000 kg. The system features up to eleven electrohydraulic remote valves: six at the rear, three at the front and two in the middle.

Rear PTO

The **X8** tractor has been designed to operate in a variety of conditions with heavy, power-demanding implements. The driveline design ensures minimal power loss, resulting in maximum productivity.
The PTO offers three electronically selectable speeds: 540Eco, 1000 and 1000Eco rpm. An electro hydraulically operated clutch enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement.
External PTO, hitch and remote valve controls are located on the rear fenders making it easier to attach implements from the ground.

AUTO PTO FUNCTION

The Auto PTO feature will automatically disengage and reengage the PTO at three-point linkage heights set by the operator. This gives the operator precise control of the implement during headland turns.



Electronically-controlled rear hitch

The ergonomically-designed VT Easy Pilot controller enables convenient and intuitive operation of the rear hitch and implements. Offering a maximum lift capacity of 12,000 kg, the three-point hitch is Category 4N/3 and is equipped with lower link draft sensing for accurate implement control.

CONVENIENT REAR HITCH CONTROLS

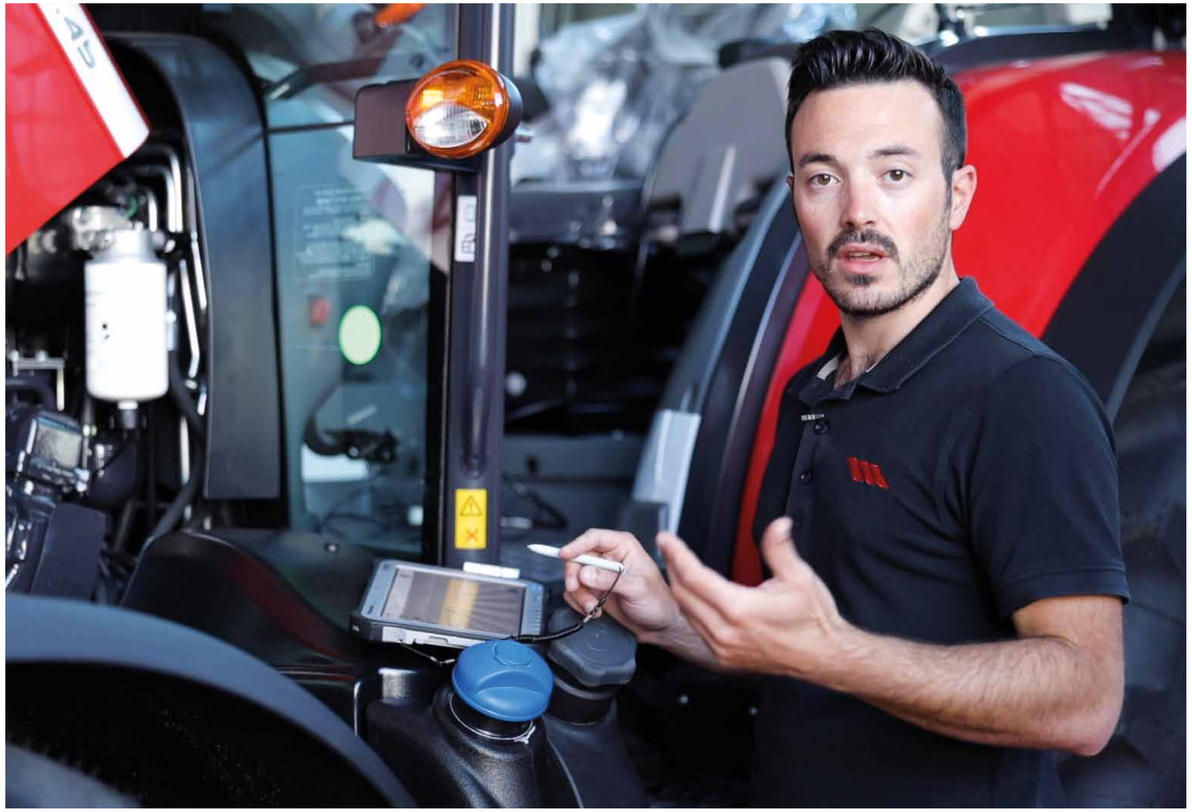
External PTO, hitch and remote valve controls are located on the rear fenders making it easier to attach implements from the ground.

Front hitch and PTO

All X8 tractors come standard with a front hitch capable of lifting up to 5000 kg.
A front PTO with one dedicated remote valve is available as an option.

REMOTE VALVES

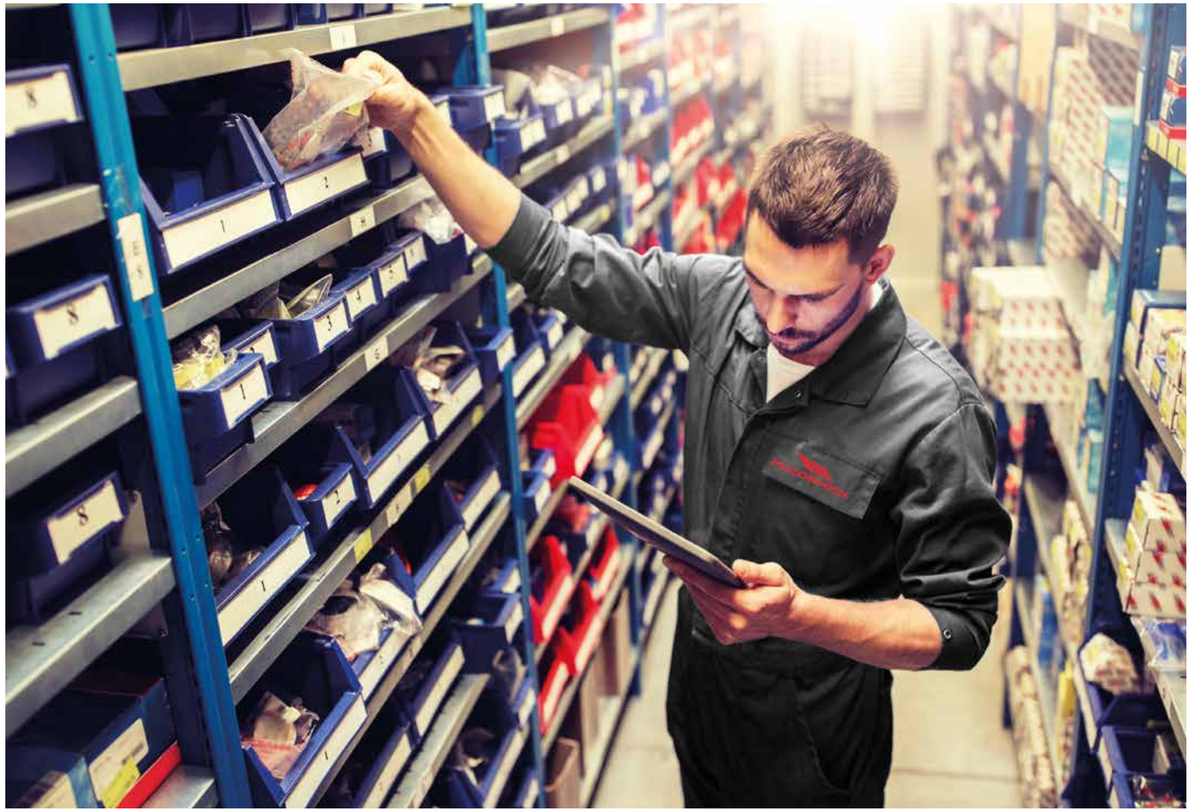
The X8 tractors can be fitted with up to eleven double-acting remote valves controlled electrohydraulically from the multi-function armrest.
One valve is controlled by the VT Easy Pilot controller and four are operated via fingertip controls, one of which is dedicated to the three-way flow divider.
The armrest also integrates a mini-joystick which operates three remote valves to control either a front hitch or a front loader.



QUICK MAINTENANCE TO GET YOU UP AND RUNNING IN NO TIME

Designed to deliver maximum efficiency and reliability, the X8 range offers a variety of solutions to simplify and expedite maintenance.

- The tilt-up hood opens wide to provide easy access to the engine compartment for maintenance and radiator cleaning.
- 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 hood.
- The engine air filter is conveniently placed to facilitate cleaning and replacement.
- The cooling radiators open fully from a single latch to allow fast and easy cleaning.
- The fuel tank is conveniently placed to allow quick filling.
- The in-cab air filter is easily accessible for maintenance.
- The oil level in the transmission can be conveniently checked through the oil filler cap with level gauge placed on the rear of tractor.
- The windscreen wiper fluid reservoir is located on the rear of cab.



McCORMICK ORIGINAL SPARE PARTS: FIRST IN PRODUCTIVITY

Although it works hard, your McCormick tractor always looks good as new. With McCormick original parts time seems to have stopped. Our original spare parts are an integral part of our scheduled maintenance and extended warranty program. Developed by the same engineers who design and manufacture the McCormick tractors, genuine McCormick parts are designed and manufactured to the highest quality standards to ensure reliable and safe performance over time.
The strong points of McCormick original spare parts are the following:

› **Speed**: Spare parts are always shipped within 24 hours of order receipt.

› **Quality**: Each part comes with a 12-month warranty and is marked with a tamper-proof hologram that certifies the product's quality and originality.

› **Value for Money**: Original McCormiack parts are reliable and good value: they improve your tractor performance, maintain high productivity levels and preserve your tractor's value.

All McCormick spare parts rely on our extensive design and manufacturing expertise. Because when you choose McCormick, you are choosing quality without compromise.

POWER TECHNOLOGY, **SINCE 1847**

Cyrus Hall McCormick was born in Virginia, United States, in 1809. A keen inventor, he stunned the agricultural world with inventions that mechanized the farm work. In 1831 he invented the first mechanical reaper. In 1847 McCormick established a factory for the production of grain harvesters. In 1866 the company adopted the red colour that still identifies the brand worldwide. In 1871 McCormick manufactured more machines than any other company in the world: 250 reapers per day. The first tractor,the Mogul 8-16, was launched in 1906. In those years, the company opened up factories in Canada, Great Britain, Germany, France and Sweden. In the following years, the company was purchased and sold several times. In 2000 McCormick was acquired by the Argo Group, which relaunched the brand under the name McCormick Tractors International Limited. Today, McCormick is a world leader in the tractor industry and its name stands for uncompromising technology and innovative design. Thanks to heavy investments in research and development, the new generation of McCormick tractors leads the market for performance and innovation. Farmers look for efficient, reliable and versatile solutions to maximize theirproductivity – and this is exactly what we are proud to offer our customers.

		X8.631 VT-DRIVE - EFFICIENT -PREMIUM
ENGINE		
Rated power (ISO TR 14396)	hp / kW	292 / 215
Max power (ISO TR 14396)	hp / kW	305 / 224
Engine speed at max power	rpm	1800
Max torque - at 1400 rpm	Nm	1247
Torque backup		28%
Manufacturer - Engine type - Installation		FPT - N67 - iso-mounted on cast iron chassis
Exhaust emission compliance		Tier 2
Cylinders - Displacement - Valves		6 - 6.7 l - 24
Air filter system		air filter with pre-cleaning stage and dust ejector
Air intake system		eVGT - electronic variable geometry turbocharger with intercooler
Fuel injection system		electronically-controlled high pressure common rail injection system
Cooling system		matrix radiator pack - coolers open out from a single latch
Viscotronic fan		●
CAPACITIES		
Fuel tank	l	550
Cooling system	l	30
TRANSMISSION		
Type		VT-Drive - continuously variable transmission
No. of stages		4
Minimum speed - engine speed	m/h - rpm	40 - 2200
Engine speed at 40 km/h - 50 km/h	rpm	● 1300 - ○ 1580
Transmission control		EasyPilot with multifunction armrest
Forward/reverse shuttle		electrohydraulic with modulation control
REAR PTO		
Type		electrohydraulic multidisc clutch with modulated engagement
Speeds		540 / 1000 / 1000 E
Engine speed at rated PTO speed	rpm	1580 / 1943 / 1605
Rotation - spline shaft type		clockwise (viewed from tractor rear) - ● 1-3/8" PTO shaft with 6 splines - ○ 1-3/8" PTO shaft with 21 splines
FRONT AND REAR AXLES		
Front rigid axle		● (EFFICIENT version)
Front suspended axle		○ parallelogram suspension system (PREMIUM version)
Traction type		electrohydraulic 4WD
Front differential lock		fully electrohydraulic
Rear differential lock		fully electrohydraulic
Rear axle type		● flanged type -○ bar axle type
BRAKING SYSTEMS		
Front braking system		● oil-bath disc brakes
Rear braking system		6 oil-bath discs
Trailer braking system		○ pneumatic brake system with 2 or 2+1 lines as per MR, with or without single-line hydraulic brake - 2-line hydraulic brake system as per MR (40 km/h only)
Engine brake		●
HYDRAULIC SYSTEM		
Hydraulic piston pump with CCLS system - flow rate		● 160 l/min
Hydraulic piston pump with CCLS system - high flow rate		○ 212 l/min
Steering pump - flow rate		● 115 l/min
Rear remote valves - number, type, flow rate		electrohydraulic, 140 l/min, 4 - 6
Flow diverter with flow selector - section flow rate		○ 3 sections with push-pull connectors - 60 l/min per section (PREMIUM version)
Free-flow return		●
Power Beyond adaptor and free-flow return		○
Power Beyond with push-pull connectors and free-flow return		○
Mid-mounted remote valves - number, type, flow rate		○ 3 electrohydraulic with multifunction joystick - 100 l/min (PREMIUM version)
Hydraulic oil take-out capacity	l	70

REAR 3-POINT HITCH		
Electronically-controlled rear hitch		with lower link draft control, position control, mixed control, float position
Category - coupler type		● III - ball ends with quick-hitch hooks - ○ IV N - ball ends with quick-hitch hooks
Max lift capacity at the hooks - ram diameter	kg	12000 - 120 mm
FRONT 3-POINT HITCH		
Electronically-controlled front hitch		○ with position control (PREMIUM version)
Category - coupler type		III N - ball ends with quick-hitch hooks
Lift capacity at the hooks (OECD)	kg	5000
FRONT PTO		
Type		○ electrohydraulic multidisc clutch with modulated engagement
Speed	rpm	1000
Engine speed at rated PTO speed	rpm	1920
Rotation - spline shaft type		○ clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 6 splines
Rotation - spline shaft type (North American version)		○ counter-clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 21 splines
CAB		
Première Cab - 4-post cab with McCormick mechanical suspension		○ (EFFICIENT version)
McCormick semi-active suspension system		● electronically-controlled electrohydraulic semi-active cab suspension (PREMIUM version)
In-cab noise level	dB(A)	70
Automatic climate control		●
Deluxe air suspension seat		● low-frequency air suspension, swivel and height adjustments, manual weight control, lumbar support and headrest
Super Deluxe air suspension seat		○ Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, automatic weight control, lumbar support and swivel headrest
Hide-away buddy seat		●
EasyPilot with multifunction armrest		●
DSM Data Screen Manager		● 12" touch screen monitor
MyFunctions		● with DSM
MyLights		● with DSM
MyHMF		● with DSM
Radio ready		○ with 4 speakers
Radio system		● radio DAB, mp3 with 4 speakers, bluetooth, aux-in and integrated microphone
Halogen work lights		● 18 (EFFICIENT version)
LED work lights		● 20 (PREMIUM version)
Beacon lights		● left and right side
ON-BOARD TECHNOLOGY		
Front ISOBUS connection		○
Rear ISOBUS connection		●
PSM Precision Steering Management, rear ISOBUS and EazySteer - ready		●
PSM Precision Steering Management, rear ISOBUS and EazySteer		○ EGNOS full kit - ○ RTK NTRIP full kit
WEIGHTS AND DIMENSIONS		
Wheelbase	mm	3000
Max height over cab without beacon lights (with PSM satellite steering system)	mm	3354 (3445) - measured with tyres 650/65R34 - 900/60R42
Max height from top of cab to rear axle centre (with PSM satellite steering system)	mm	2400 (2491)
Max length with front weights - Max width	mm	5400 - 2930 - measured with tyres 650/60R34 - 710/70R42
Steering radius	mm	7900 - measured with tyres 650/65R34 - 900/60R42
Shipping weight - measured with average specs	kg	11000
Gross vehicle weight	kg	16000
Max front and rear tyre size - (Index Radius - IR)	mm	650/65R34 (IR 775) - 900/60R42 (IR 1025)
Front hitch weight	kg	○ 1800
Rear axle weights	kg	○ 300 x 2 - ○ 300 x 4

Key: ● standard ○ option

McCORMICK

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