X7.6

624 - 623 - 621 VT-DRIVE
623 - 621 - 620 P6-DRIVE

ENGLISH

McCORMICK
Power Technology.


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NEW X7.6 SERIES:
EFFICIENCY AT ITS BEST

For over 30 years the Argo Tractors Group has focused on the constant pursuit of quality and innovation. In keeping true to this mission, Argo Tractors engineers have further improved McCormick's X7 tractor range, which now leads its class in terms of efficiency, performance, flexibility and comfort.

Featuring six-cylinder engines located within a rugged chassis, the new X7.6 LWB series has been designed to meet the most demanding needs of modern farmers and contractors. Inspired by the automotive design, the new X7.6 tractors feature more dynamic and aggressive lines and a spacious cab with easy-to-use, ergonomically-arranged controls for convenient operation. The cab roof has been fully restyled and the 12 work lights have been repositioned to provide full all-round visibility for night-time operation. The hood has also been redesigned with a more streamlined, aggressive look that enhances visibility to the front.

Boasting up to 240 hp, the new FPT NEF 67 Beta Power Fuel Efficiency engines deliver more power while ensuring best-in-class performance in terms of traction, fuel efficiency and easy maintenance. Equipped with the innovative HI-eSCR2 exhaust after-treatment system, the engines of the new X7.6 series meet the Stage V emissions regulations.

The range comes with a choice of two transmissions: a VT-Drive continuously variable transmission and a P6-Drive Powershift. The hydraulic system features a high-flow pump that provides 160 l/min, while the electronic management of the hydraulic functions guarantees precise implement operation. In addition, a 12-inch touch screen monitor allows accurate control of both tractor and ISObus-compatible implements via a satellite-based guidance system, thereby maximising efficiency and productivity.

By choosing McCormick, you can count on a trusted partner that delivers cutting-edge technology along with uncompromising performance and reliability.

HIGHLIGHTS

Cab
- McCormick Semi-Active Cab with four-post design and semi-active suspension system
- DSM Data Screen Manager: 12-inch touch screen monitor with new functions
- Automatic climate control
- Electrically adjustable steering wheel

Design
- Aggressive hood design and automotive-style cab
- Up to 20 LED work lights on hood and cab

Engine
- Emissions control technology with HI-eSCR2 system meeting Stage V
- Engine located within a rugged chassis for best performance and enhanced traction
- Coolers open out to allow easier and faster cleaning
- Best in Class system: scheduled maintenance is reduced by half to save time and costs

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

P6-Drive Powershift transmission with 6 powershift speeds and 5 ranges:
- Robotized range shifting
- Engine Brake function
- Smart APS Powershift
- Stop & Action with De-clutch function integrated in brake pedal
- Creeper providing up to 54 forward + 27 reverse speeds, minimum speed 400 m/h
- ECO mode for transport operations and Oil-Cut-off feature for improved fuel economy

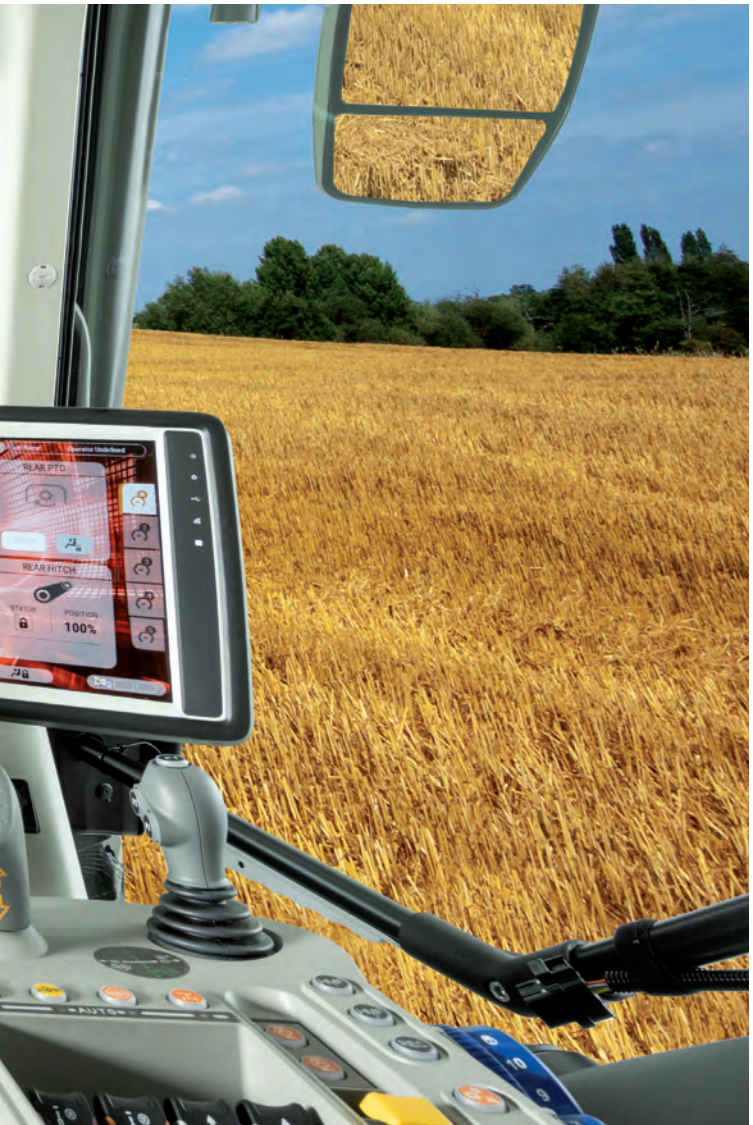
Axles
- Electronically-controlled independent front suspension
- Automatic 4WD and differential lock engagement

Hydraulic system
- Closed-centre hydraulic system with up to 160 l/min variable displacement pump
- Electronically-operated rear hitch with up to 9300 kg lift capacity
- Four-speed PTO as standard

On-board technology
- New DSM menus to improve performance and comfort
- PSM – Precision Steering Management.
- McCormick Fleet Management to monitor and manage the activities of your tractor fleet
- McCormick Diagnostic Remote Management for remote maintenance


DASHBOARD

COMFORTABLY SEATED IN THE CAB, WITH ALL CONTROLS AT HAND



When seated in the cab, you have all controls at your fingertips
The four-post cab with panoramic windows offers unequalled all-round visibility. All controls are ergonomically-designed according to anthropometric principles and servo-assisted for enhanced driving comfort and best tractor performance. A tablet-like touch screen allows for simple and intuitive operation. Twenty LED work lights provide excellent illumination for night work and two rear view cameras allow the driver to monitor blind spots from the cab.

After a long day's work you feel less fatigued
The engine is located within a rugged chassis and mounted on silent blocks to minimize shocks and vibrations within the cab. The cab with semi-active suspension can be specified with three different shock absorbing levels. The driver's seat is equipped with air suspension and can be optionally fitted with ventilation system. The climate control system distributes the airflow evenly to the ceiling, dashboard and platform for enhanced operator comfort.

On-Board Technology: improving performance has never been so easy
With a view to boosting productivity and profitability, the X7.6 has been upgraded with new menus that can be managed through the DSM touch screen monitor. Designed to enhance tractor performance and maximize efficiency, the new on-board technology developed by McCormick is simple and intuitive to use and improves ride comfort while optimizing working time.

HIGHLIGHTS

- Four-post cab design
- One-piece windscreen for optimum forward visibility
- Mechanical or hydraulic semi-active cab suspension
- Instrument panel and steering column electrically adjustable in tilt and depth
- Ventilated air suspension seat with swivel
- DSM Data Screen Manager: 12-inch touch screen monitor with new functions – MyFunctions, MyHMF, MyLights, MyTractor and MyUser
- Multifunction armrest with ergonomically-designed controller and integrated controls
- Hide-away buddy seat for easier access to the cab
- Exclusive air distribution system with eight vents for efficient all-round ventilation
- Fully opening transparent roof hatch with integrated sunshade
- Automotive-style interior with soft-touch materials
- Radio DAB with MP3 player, Bluetooth and integrated microphone
- Up to 20 latest-generation LED work lights on hood, cab and fenders

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, giving the driver a clear view of blind spots without the need to change position. A highly-efficient sound insulation system maintains an in-cab noise level of only 70 dB providing the operator with a quiet working environment. The electrohydraulic semi-active cab suspension system further enhances the operator comfort. 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 and the steering wheel can be electrically adjusted in tilt and depth to suit the operator's needs. The optional Alcantara upholstered swivel seat with dynamic air suspension system and fully automatic height adjustment features a ventilated backrest for ultimate driving comfort.

McCORMICK SEMI-ACTIVE CAB SUSPENSION

True to its mission to reduce farmer's fatigue, McCormick has designed and built a new electrohydraulic semi-active cab suspension system which isolates the tractor body from the wheel vibrations induced by uneven ground conditions. This ensures maximum ride comfort and safety on all terrains.

MyFunctions

The new MyFunctions menu provides fully customisable control of tractor and implement, allowing the operator to configure and save up to five different functions via the DSM touch screen monitor. All controls have also been ergonomically repositioned on the multifunction armrest to improve comfort and ease of operation.

The multifunction armrest accommodates all main tractor controls arranged in a simple and logical manner. The ergonomically-designed multifunction controller provides easy and intuitive control of key tractor functions. Integrated into the armrest is a DSM 12-inch touch screen display with simple tablet-like graphics that allows the operator to easily set and control all tractor functions. The touch screen also allows the user to control two rear view cameras and to create and modify headland management sequences via the intuitive MyHMF menu, either on-the-go or when the tractor is stationary. The standard equipment of the Premiere Cab includes a refrigerated in-cab storage compartment and bottle holder, 12V sockets for charging mobile devices, an internal mirror and an opening transparent roof hatch for extra visibility during loader operations. A highly-efficient automatic climate control system maintains the desired cab temperature whatever the outdoor weather conditions.

ELECTRICALLY ADJUSTABLE STEERING WHEEL

An innovative system allows the operator to adjust the inclination of the steering wheel through a simple switch. A lever also enables adjustment of steering wheel height.

MyHMF

The MyHMF menu allows the operator to create and modify headland management sequences via the DSM monitor, even when the tractor is stationary. New ergonomically-arranged pushbuttons provide maximum ease of use.

MyLights

The cab roof of the new X7.6 tractor has been completely redesigned and can now be equipped with up to 12 LED work lights. The work lights have also been repositioned to provide powerful all-round lighting for night-time work. All work lights can be configured via the MyLights menu on the DSM touch screen display.

MyTractor

This menu allows the user to save all configurations in the various menus of the DSM so that they can be simultaneously retrieved without the need to reconfigure the menus.

MyUser

This menu allows all DSM configurations (language, settings, menus etc.) to be saved and linked to the user's profile for ultimate versatility in multi-operator applications.


VISIN
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THE X7.6 CUTS CONSUMPTION AND EMISSIONS

Cut consumption by 10%
The engine located within a rugged chassis moves the tractor's centre of gravity forward, thereby increasing front wheel grip and traction power. Better traction results in reduced fuel consumption with up to 10% fuel saving compared to competitive engines in the same class.

High technology that adds more value to your work
The new FPT NEF 67 Beta Power Fuel Efficiency engine has been designed to meet the most demanding requirements. This engine features cutting-edge solutions that provide reliable performance with best-in-class power and torque.

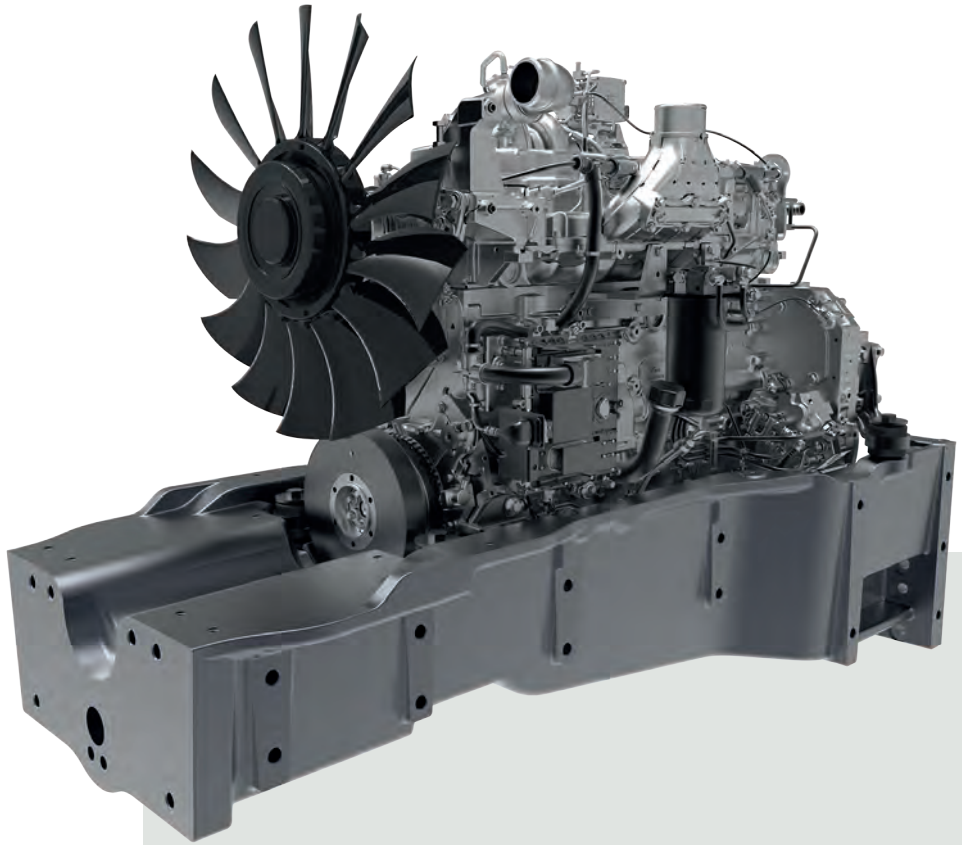
Radiator cleaning is a matter of minutes
McCormick has a goal to simplify all those routine operations that are essential to preserve equipment efficiency and reduce down-time. Coolers open fully from a single latch to allow fast and easy cleaning of radiator. This preserves the efficiency of the cooling system ensuring smooth engine performance.

HIGHLIGHTS

- More power with the Power Plus system, up to 240 hp
- Electronic engine management with common rail injection system and turbo intercooler
- High torque backup
- Engine compliant with Stage V emissions regulations
- Exhaust gas after-treatment system with HI-eSCR2
- Engine located within a rugged chassis
- Easy-fill 350-liter fuel tank and 52-liter AdBlue® tank
- Coolers open out to allow easy and fast cleaning
- Viscotronic fan for more efficient engine cooling, improved fuel economy and quieter engine operation
- Best In Class system reduces scheduled maintenance by 50%, saving time and costs
- Engine brake function for enhanced braking performance

NEW **FPT NEF 67 ENGINE**: PLENTY OF PULLING POWER IN THE FIELD

The X7.6 tractor range is powered by new FPT NEF 67 Beta Power Fuel Efficiency engines. These 6.7L, six-cylinder turbo engines with multivalve technology and electronic common rail injection system meet Stage V emissions regulations. The engines are located within a rugged chassis which helps reduce noise and vibration levels within the cab. The engine cooling is ensured by an electronically-controlled Viscotronic fan, which is standard on the entire range. This solution improves cooling efficiency while reducing fuel consumption and noise levels.
The new FPT NEF 67 that power the X7.6 tractors are state-of-the-art engines designed to offer farmers simplicity and functionality without compromising on performance, reliability and durability. The Beta Power engines feature the Power Plus system which electronically adjusts the engine power to respond to varying load conditions. During transport applications or PTO operations, the Power Plus automatically delivers additional 10 hp to handle tough conditions and heavy loads while maintaining speed and productivity. With the Power Plus the X7.6 tractors will deliver maximum power outputs of 190, 210, 225 and 240 hp.



BEST IN CLASS SYSTEM

The engine of the X7.6 tractor is equipped with the Best In Class system (BIC). Based on an innovative filter concept, the BIC system doubles the intervals between filter maintenance extending it from 500 to 1000 working hours. This helps save time and costs.

ENGINE BRAKE FUNCTION

By activating the engine brake function through a foot pedal conveniently located between the clutch and brake pedals, a motorized throttle valve located on the turbocharger improves the tractor braking performance.

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.

HI-eSCR2 system to cut down on exhaust emissions

The compact design of the HI-eSCR2 exhaust after-treatment system helps meet the strictest particulate emissions requirements. This technology integrates the SCR catalyst with a maintenance-free filtering device and does away with the EGR system, thereby improving engine performance while reducing operating costs.

ENGINE CHASSIS

The X7.6 features a rugged chassis with shock absorbing rubber mounts which support the engine helping isolate both cab and transmission from vibrations.

VT-DRIVE, THE CONTINUOUSLY VARYING TRANSMISSION

With the VT-Drive transmission, the X7.6 responds promptly to your commands
Combining a powerful engine with a VT-Drive continuously variable transmission, the X7.6 delivers fast acceleration and excellent responsiveness.

You have the most advanced variable transmission on the market
The VT-Drive continuously variable transmission has always stood for efficiency and reliability. Now, an innovative four-stage technology makes it the ideal choice for the future.

VT-Drive: once you've tried it, you can't do without it
The VT-Drive continuously variable transmission is quite easy to use: you just need to 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 working with the X7.6 stress-free and efficient.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HIGHLIGHTS

- All transmission controls grouped on the EasyPilot controller
- Speed shifting without use of the 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 for automatic forward/reverse shifting
- 40 km/h or 50 km/h top speed in ECO mode at reduced engine rpm, minimum speed 40 m/h

VT-DRIVE, THE CONTINUOUSLY VARIABLE TRANSMISSION BY McCORMICK

A powerful and versatile tractor range like the X7.6 must be able to handle all kinds of tasks and field conditions. The VT-Drive continuously variable transmission is designed to ensure all the versatility and flexibility required by modern agriculture. Combining a FPT NEF 67 Beta Power Fuel Efficency engine and a four-stage VT-Drive continuously variable transmission with four planetary gear trains and oil-cooled clutches, the X7.6 ensures fast acceleration and excellent responsiveness making work easier and more efficient. The VT-Drive transmission offers four speed ranges with advance speeds from 40 m/h to 50 km/h for maximum productivity in any application.

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.

EasyPilot multi-function controller

Integrated into the multifunction armrest, the ergonomically-designed EasyPilot controller 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 EasyPilot allows the operator to activate up to five different functions, which can be set via the intuitive MyFunctions menu and recalled with the five pushbuttons present on the controller. Configurable functions include the speed cruise control, the headland management system and the remote shuttle function for automatic forward/reverse shifting without use of the steering-column shuttle lever. All functions are clearly displayed on the instrument panel and on the touch screen monitor.

VT-Drive 4-stage continuously variable transmission

The McCormick VT-Drive transmission with its four-stage technology sets a new benchmark in continuously variable transmissions. Using a four-stage instead of usual two-stage CVT transmission offers real benefits to farmers and agricultural contractors looking for multi-purpose tractors capable of ensuring maximum productivity whatever the task or the field conditions. This transmission offers four speed ranges to suit different operating requirements:

- **Range 1 Creeper: 0.5 - 3 km/h**
- **Range 2 Field 1: 0.5 - 12 km/h**
- **Range 3 Field 2: 0.5 - 21 km/h**
- **Range 4 Transport: 0.5 - 40 or 50 km/h**

The VT-Drive transmission features four operating modes:

1. Auto Mode - The electronic control unit controls the engine rpm and transmission ratio, based on the parameters set on the potentiometer, in order to achieve the required speed.

2. Manual Mode - The operator sets the engine speed using the hand throttle. The electronic unit controls the transmission ratio in order to achieve the required speed.

3.PTO Mode - The operator sets the engine speed using the hand throttle. The electronic unit controls the transmission ratio in order to achieve the required speed, with priority on PTO speed.

4. Cruise Mode - The operator selects the tractor travel speed, which remains constant.


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P6-DRIVE TRANSMISSION:
HIGH EFFICIENCY AND DRIVING COMFORT

You benefit from the best performance-to-consumption ratio
During towing and transport operations, by selecting Auto Powershift you have always the right gear for the job in hand: all you've got to do is step on the gas pedal and the transmission will do the rest, shifting automatically up and down to suit engine load conditions. This solution improves tractor performance while reducing fuel consumption.

Driving is always smooth and safe
The Stop & Action function allows the operator to control the clutch with just a light pressure on the brake pedal. This will result in seamless gear changes and a smooth driving performance comparable to that of a CVT transmission. In addition, based on tractor load, a dedicated software decides when to disconnect the clutches for safety reasons.

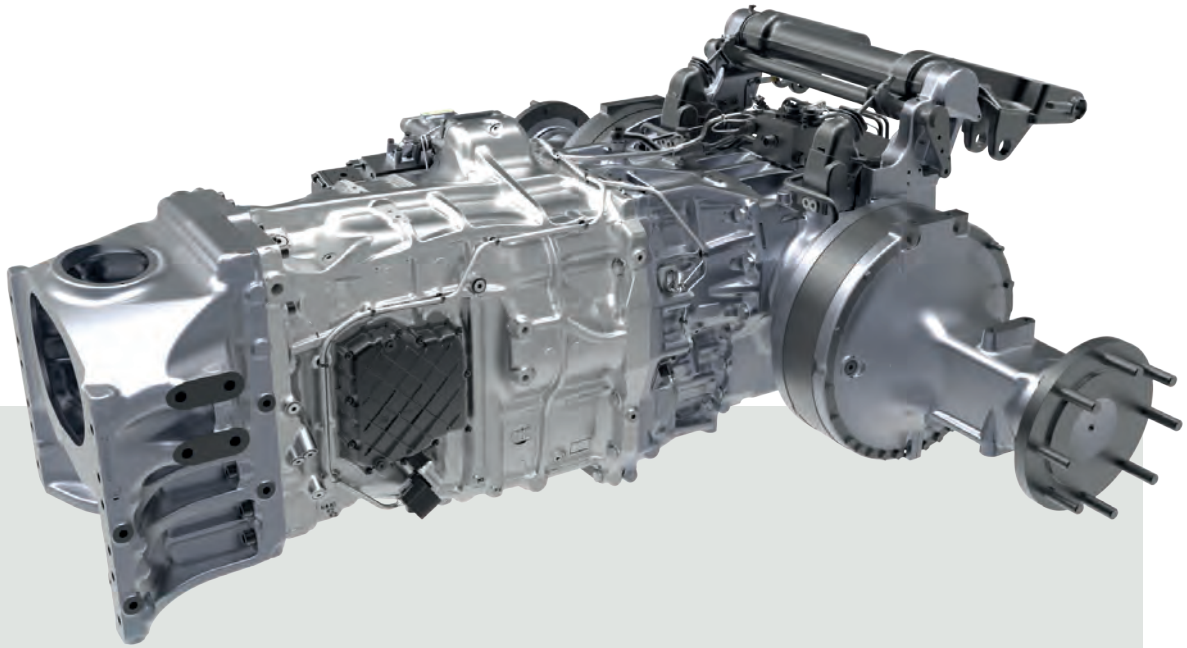
Zero power loss when travelling on road
When the tractor speed exceeds 30 km/h, the oil cut-off function stops lubrication to the transmission reduction gears to minimize power loss.

HIGHLIGHTS

- All transmission controls grouped on a single controller
- Robotized range shifting
- Speed Matching: automatic Powershift selection based on tractor speed
- Smart APS Auto Powershift: automatic shifting through all Powershifts and ranges
- De-clutch button
- Stop & Action function to integrate the De-clutch into the brake pedal
- Shuttle control lever adjacent to the steering wheel with response modulation
- Creeper providing 54 forward speeds + 27 reverse speeds with 400 m/h minimum speed
- ECO mode for transport operations and Oil Cut-off mode for improved fuel economy

P6-DRIVE TRANSMISSION, THE RIGHT SPEED FOR EVERY APPLICATION

The P6-Drive transmission with six Powershift speeds on the go and five ranges incorporates a robotized range shifting and an electrohydraulic steering-column power shuttle providing 30 forward and 15 reverse speeds. In addition, a creep speed option offers 54 speeds forward and 27 in reverse. Where legally permitted, the X7.6 can reach a top speed of 50 km/h at reduced engine rpm. The P6-Drive transmission is equipped with an Oil Cut-off function which manages the braking system more efficiently, ensuring better performance on the road and improved fuel economy.



EasyPilot multi-function controller

The ergonomically-designed EasyPilot controller integrated into the multifunction armrest provides easy and intuitive control of the P6-Drive transmission, allowing the operator to shift through all gears and ranges without depressing the clutch pedal. The Powershift button enables seamless speed progression providing optimum traction in any situation, both in the field and on the road. The EasyPilot controller allows the operator to drive and operate the implements with maximum ease and comfort. With the MyFunctions buttons present on the EasyPilot, the operator can configure and activate up to five different functions including the APS Auto Powershift, differential lock, four-wheel drive engagement, De-clutch button, PTO, engine speed cruise control, one remote valve and headland management. All functions are clearly displayed on the digital instrument panel or on the DSM touch screen monitor. On the X7.6 tractors with P6-Drive transmission, the cab is available in two versions:
- Premium, with controls on the multifunction armrest;
- Efficient, with controls on the right-hand console which also integrates the EasyPilot controller.

Smart APS Auto Powershift automatic transmission

On the X7.6 range, the P6-Drive transmission can be controlled both manually and automatically. Based on load conditions, advance speed and engine rpm, the Smart APS Auto Powershift facility automatically selects the right gear in each range. This improves tractor performance and driving safety while optimizing fuel economy.

Stop & Action system

The Stop & Action system integrates the De-clutch function into the brake pedal. This allows the operator to stop the tractor without depressing the clutch pedal and without using the power shuttle. By the combined use of the Stop & Action system and the APS facility, the P6-Drive transmission ensures a smooth driving performance, comparable to that of a CVT transmission.

PREMIUM CAB TRIM

On the Premium version, all the controls of the P6-Drive transmission are integrated into the multifunction armrest of the driver's seat.

EFFICIENT CAB TRIM

On the Efficient version, all the controls of the P6-Drive transmission are placed on the ergonomic right-hand console.

ELECTROHYDRAULIC POWER SHUTTLE

The reverse power shuttle allows the operator to automatically shift from forward to reverse without using 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.

SMART APS AUTO POWERSHIFT

The Auto Powershift (APS) will change the powershift speeds based on engine speed parameters and load for up and downshifting. These parameters can be adjusted by the APS dial in the armrest from an ECO through to a Power setting.

McCORMICK X7.6, LIGHTWEIGHT AND STRONG LIKE NO OTHER

Less soil compaction with the X7.6 tractor
With its engine mounted on chassis, the McCormick X7.6 is the best balanced tractor in its power class with 46% per cent weight balance at the front and 54% at the rear. This excellent weight distribution helps reduce the amount of soil compaction.

Easy and relaxing to drive
Driving the X7.6 tractor is easy and effortless. So the operator can better concentrate on the job in hand and will feel less fatigued at the end of the day.

Maximum power transfer to the ground
With its engine mounted on chassis and its rugged front axle with independent wheels, the X7.6 is the tractor that transfers more power to the ground in its power class.

TRACTION, MANOEUVRABILITY AND COMFORT ON ALL TERRAINS

With its engine mounted on chassis and its rugged front axle with independent wheels, the X7.6 is the tractor that transfers more power to the ground in its power class. The X7.6 offers outstanding traction and excellent manoeuvrability ensuring optimum grip and stability for superior driving comfort in the field and on the road. The rugged front axle is equipped with full hydraulic locking differential and electrohydraulic four-wheel drive engagement for maximum efficiency and safety on all terrains. High capacity wet multi-disc rear axle brakes ensure safe controlled stopping power. Also when braking, the four-wheel drive engages automatically, which in turn brakes the front axle for efficient braking on all four wheels. All X7.6 tractors are equipped with brake power boosting system to reduce the effort required by the operator while improving driving accuracy.

McCORMICK X7.6, THE PERFECT MATCH FOR ANY IMPLEMENT

The hydraulic system of the X7.6 is tailored to your needs
Designed to provide high-flow capability, the closed-centre load sensing hydraulic system of X7.6 features high-quality components and provides unmatched configuration flexibility to meet each farmer's unique needs.

Load-sensing control for optimized performance
The X7.6 features a closed-centre hydraulic system with load-sensing control (CCLS) which adjusts the pump output flow to the remotes to maintain a constant oil flow regardless of load conditions. The CCLS system optimizes the engine power enhancing tractor performance and productivity.

The front and rear hitches of the X7.6 are powerful, versatile and user-friendly
Featuring a rigid chassis, the X7.6 model can be fitted with a front hitch without requiring additional reinforcement. This adds greater versatility to the tractor for applications using front-mounted implements. The electronically-controlled rear hitch can lift up to 9300 kg and allows precise implement operation through the ergonomic and intuitive EasyPilot controller.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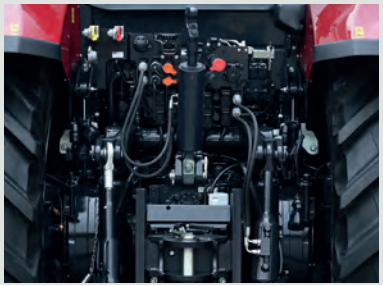
THE **X7.6** KNOWS HOW TO PUMP UP YOUR **PRODUCTIVITY**

The X7.6 series tractors feature a closed-centre load sensing hydraulic system (CCLS) 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 and ensuring top performance in any situation. The system supplies up to 160 l/min to the rear hitch and remote valves, allowing for simultaneous operation of all hydraulic functions. The hydraulic system also includes a pump that supplies 52 l/min to the steering system.

The X7.6 range has been designed to operate in a variety of conditions with heavy, power-demanding implements. To improve efficiency and productivity, the X7.6 tractors features a rear PTO with four speeds: 540, 540Eco 1000 and 1000Eco rpm. The driveline design of the PTO ensures minimal power loss and the electrohydraulic clutch enables smooth and modulated engagement of the PTO, ensuring a soft start-up of implement. The X7.6 series tractors are further equipped with the Power Plus system, which automatically increases power available when the PTO is operational, allowing the engine to maintain a constant power as the load varies. The rear hitch is equipped with lower link draft sensing for accurate implement control and provides a maximum lift capacity of 9300 kg. A front hitch and PTO are available as an option for applications using front-mounted implements and rear and front implement combinations.



REMOTE VALVES

The X7.6 tractors can be fitted with up to eight double-acting remote valves, all electro-hydraulically controlled from the multifunction controller. A three-way flow divider with push-pull connectors is available as an option to operate three different hydraulic functions with a single remote valve. The valves are operated via fingertip controls and via an electronic mini-joystick, all integrated into the multifunction armrest.

A modular concept for tailor-made solutions

The X7.6 comes in two trims: Efficient and Premium. Both versions are designed to offer a wide configuration flexibility and feature a CCLS hydraulic system with a variable-displacement axial pump that provides a flow rate of up to 123 l/min. An additional hydraulic system dedicated to the steering provides a flow rate of 52 l/min. The Efficient version comes standard with three mechanical remotes and can be equipped with two additional electrohydraulic remote valves controlled by an ergonomically-designed electronic joystick. A three-way flow divider with six push-pull connectors operates up to three hydraulic functions via a flow selector. The Premium version comes standard with electronically-controlled remote valves for precise and efficient operation of the hydraulic system. This version can be equipped with up to five electronic remotes and a flow divider with six push-pull connectors. A high-flow piston pump providing a total flow of 160 l/min is available as an option for the most demanding applications.

SATELLITE-BASED GUIDANCE:
BEST-IN-CLASS ECONOMY AND PRODUCTIVITY

With precision farming tools, the X7.6 makes you save up to 7% of costs

As research in the sector has demonstrated, the satellite-based guidance system of the X7.6 tractor helps save up to 7% on costs of fuel, equipment, fertilizers and pesticides.

You perform every task with maximum efficiency

With the ISObus system the operator can control the implements without the need to install a control unit inside the cab. The implement operating parameters are easily monitored via a simple touch screen display.

You convert accuracy into profit

The satellite-based guidance allows the operator to set the working track with a maximum error of 2 cm: a degree of accuracy that even the most experienced operators cannot achieve. This level of precision maximizes yield and productivity.

PRECISION FARMING: THE TECHNOLOGY THAT IMPROVES YOUR PRODUCTIVITY

Satellite-based guidance: higher accuracy, greater productivity

The optional satellite-based guidance system is controlled via a dedicated 8.4-inch touch screen monitor. The monitor manages two functions:

1. The Precision Steering Management system: using the real-time kinematic (RTK) navigation method, the system provides precise steering control in row-crop operations delivering up to 2cm pass-to-pass accuracy. This degree of accuracy increases productivity per unit land area. In addition, the Eazysteer function, which is supplied in conjunction with the satellite guidance system, allows the tractor to make a complete turn with just a single revolution of the steering wheel. This avoids multiple turns of the steering wheel, thereby improving ride comfort and optimizing working time.

2. Configuration and control of the ISObus system with management of advanced features such as ISO-TC and TC-GEO.

Benefits of satellite-based guidance and ISObus system

The satellite-based guidance and the ISObus system maximize efficiency and productivity while improving riding comfort and safety.

- Every operation of the implement is controlled with extreme accuracy. The implement can also be managed automatically.
- Reducing the travelled distance in the field reduces tractor and implement wear and saves fuel.
- The application of variable rate treatments eliminates skips and overlaps, minimizing product waste.
- Precision farming reduces chemical residues.
- To make satellite-based guidance safer, the X7.6 is equipped with sensors which detect persons or things that are not displayed on the satellite map.
- Report and pre-setting operations are user-friendly and can be done from home without assistance from specialized operators.

ISObus for simple and efficient implement control

The X7.6 tractor range can be optionally equipped with an ISObus system, a protocol for data communication between tractor, implement and on-board computer that enhances operating efficiency and productivity. With the ISObus system, the operator can control the implements via a simple DSM 12-inch touch screen display, without the need to install dedicated control units or additional monitors inside the cab.

EAZYSTEER

Supplied in conjunction with the satellite guidance system, the Eazysteer function allows the tractor to make a complete turn with just one revolution of the steering wheel. This avoids multiple turns of the steering wheel, thereby improving ride comfort and optimizing working time.

McCormick Fleet Management

Fleet Management is the McCormick telematic system which monitors the activities of your fleet of tractors to maximize efficiency and reduce operating costs.
McCormick Fleet Management performs the following activities:

1. **Monitors your fleet in real time:** displays the exact position of all your tractors and provides real-time information on the status of machines such as speed, engine rpm, work progress and consumptions.
2. **Analyses data**: determines the efficiency and productivity of each machine and calculates the profit margin of your business.
3. **Performs remote diagnostics**: identifies and resolves any issues with the machines to reduce downtime and extend equipment life.
4. **Stores working data**: to eliminate errors and maximize productivity.

Fleet Management

QUICK MAINTENANCE TO GET YOU UP AND RUNNING IN NO TIME

Designed to deliver maximum efficiency and reliability, the X7.6 range offers a variety of solutions to simplify and expedite maintenance.

1. The tilt-up hood opens wide to provide easy access to the engine compartment for maintenance and radiator cleaning.
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 hood.
3. The engine air filter is conveniently placed to facilitate cleaning and replacement.
4. The cooling radiators open fully from a single latch to allow fast and easy cleaning.
5. The fuel and AdBlue tanks are conveniently placed to allow quick filling. Tank caps have different colours to avoid mix-up.
6. The in-cab air filter is easily accessible for maintenance.
7. The oil level in the transmission can be conveniently checked through the oil filler cap with level gauge placed on the rear of tractor.
8. The windscreen wiper fluid reservoir is located on the rear of cab.


McCORMICK
650/65 R 38

McCORMICK SPARE PARTS AND SERVICE
FOR TOP PERFORMANCE

Developed by the same engineers who design and manufacture the McCormick tractors, original McCormick spare parts are designed and manufactured to the highest quality standards to ensure tractors reliable performance and maximum safety.
- Genuine McCormick parts offer true value for money because they increase productivity and improve work quality.
- Genuine McCormick parts are readily available: they are shipped to McCormick dealers on the same day of order. In addition, all McCormick dealers worldwide keep all major parts in stock to reduce downtime to a minimum.
- Each McCormick part comes with a 12-month warranty and bears a non-falsifiable hologram which certifies its build quality and genuineness.

After-sales service is handled by our dealers through a team of experienced, highly-skilled technicians who avail themselves of the latest diagnostic techniques. Choosing McCormick means choosing excellence.


McCORM


McCORMICK
VELA C+
TRANSMISSION
McCORMICK
VELA HTX
TRANSMISSION OIL
McCORMICK
SDLEA 15W/40
ENGINE OIL

McCORMICK, INNOVATORS BY TRADITION

Cyrus Hall McCormick was born in Virginia, United States, in 1809. As a pioneer in engineering, McCormick had a stunning ability to mechanize farm work, as he demonstrated when in 1831 he invented the first mechanical reaper. The McCormick company was established in 1847. It produced wheat harvesters. Starting from 1866, the company adopted the colour red which from then on would distinguish McCormick around the world. In 1871, McCormick manufactured the greatest number of machines than any other company: 250 reapers per day. The first tractor, the Mogul 8-16, was launched in 1910. In those years, the company opened up factories in Canada, Great Britain, Germany, France and Sweden. In the following years, the company was bought and sold various times. In 2001, McCormick was acquired by the Argo Group, which re-launched the brand under the name McCormick Tractors International Limited. Today, McCormick is a world leader in the tractor industry and its name stands for uncompromised technology and innovative design. Thanks to heavy investments in research and development, the new generation of McCormick tractors is now positioned at the top of the market for performance and innovation. Farmers look for performance, reliability and versatility and this is exactly what McCormick offers its customers to maximize their productivity.

		X7.621 VT-DRIVE	X7.623 VT-DRIVE	X7.624 VT-DRIVE
ENGINE PERFORMANCE				
Rated power (97/68 CE - ISO TR 14396)	HP / kW	194 / 143	205 / 151	219 / 161
Rated power with Power Plus (97/68 CE - ISO TR 14396)	HP / kW	194 / 143	205 / 151	219 / 161
Max power (97/68 CE - ISO TR 14396)	HP / kW	200 / 147	215 / 158	230 / 169
Max power with Power Plus (97/68 CE - ISO TR 14396)	HP / kW	210 / 155	225 / 166	240 / 176
Rated engine speed	rpm	2200		
Engine speed - max power	rpm	1900		
Max torque without Power Plus, (with Power Plus) - Engine speed at 1400 rpm	Nm	840 (860)	904 (921)	966 (983)
Torque backup without Power Plus, (with Power Plus)		36% (41%)		
Manufacturer - Brand		FPT - Beta Power Fuel Efficency		
Engine type - Installation type		NEF 67 - engine iso-mounted on cast iron chassis		
Exhaust gas after-treatment Stage V / Tier 4 Final		HI-eSCR2		
No. of cylinders / Displacement / No. of valves		6 / 6.7 l / 24		
Air filter system		air filter with pre-cleaning stage and dust ejector		
Air inlet system		turbo intercooler		
Fuel injection system		electronically-controlled high-pressure common rail injection system		
Mainteinance		BIC Best in Class - 1200 hours interval maintenance		
Cooling system		matrix radiator pack - coolers open out from single latch		
Viscotronic fan		●		
CAPACITIES				
Fuel tank	litres	350		
AdBlue / DEF tank	litres	52		
Cooling system	litres	29		
TRANSMISSION				
Type		VT-Drive continuous variable transmission		
No. of stages		4		
Minimum speed	m/h - rpm	40 - 2200		
40 km/h - engine speed	rpm	● - 1550		
50 km/h - engine speed	rpm	O - 1690		
Transmission control		VT-Easy Pilot on multi-function arm rest		
Reverse power shuttle		electro-hydraulic with modulated engagement		
REAR PTO				
Type		electro-hydraulic multidisc with modulated engagement		
Speeds		540 / 540 E / 1000 / 1000 E		
PTO rated speeds	rpm	2005 / 1608 / 1995 / 1600		
Rotation - spline shaft type		clockwise (viewed from tractor rear) ● 1' 3/8" 6-spline shaft / O 1' 3/8" 21-spline shaft		
FRONT AND REAR AXLES				
Front rigid axle		●		
Front suspended axle		O - IFS with independent front wheels suspension system		
Traction type		electro-hydraulic MFWD		
Front differential lock		100% electro-hydraulic		

		X7.621 VT-DRIVE	X7.623 VT-DRIVE	X7.624 VT-DRIVE
FRONT AND REAR AXLES				
Rear differential lock		100% electro-hydraulic		
Rear axle - flanged type		●		
Rear axle - bar axle type		○		
BRAKING SYSTEM				
Front braking system		auto MFWD engagement while braking		
Rear braking system		5 bath oil cooled discs		
Trailer braking system		2 or 2+1 lines pneumatic system MR with or without single line hydraulic system, 2 line hydraulic system MR (40 km/h only)		
Engine brake		●		
HYDRAULIC SYSTEM				
Hydraulic piston pump with CCLS (Closed Center Load Sensing) system - flow rate		● - 123 l/min		
Hydraulic piston pump with CCLS (Closed Center Load Sensing)system - high-flow rate		○ - 160 l/min		
Steering dedicated pump - flow rate		● - 52 l/min		
Rear spool valves type, flow rate, min - max		electro-hydraulic, 100 l/min flow rate, 3 - 6		
Flow divider with flow selector - section flow rate		3 sections with push-pull connectors - 60 l/min flow rate per section		
Free flow return		●		
Power Beyond adaptor and free flow return		○		
Power Beyond with push-pull connectors and free flow return		○		
Mid-mounted remote valves - flow rate		2 electro-hydraulic with multi-function joystick - 100 l/min flow rate		
Hydraulic oil take out	litres	40		
REAR 3-POINT HITCH				
Electronically-controlled rear hitch		lower link draft control, position control mixed control, float position		
Category - coupler type		III - quick-couplers		
Max lifting capacity at hitch couplers	kg	9300		
FRONT 3-POINT HITCH				
Electronically-controlled front hitch		○ - with position control		
Category - coupler type		III N - quick-couplers		
Max lifing capacity at 610 mm	kg	3500		
FRONT PTO				
Type		○ - electro-hydraulic multidisc with modulated engagement		
Speeds		1000		
PTO rated speeds	rpm	1920		
Rotation - spline shaft type		○ - clockwise (viewed from tractor front) - ● 1' 3/8"shaft with 6 splines		
Rotation - spline shaft type (NAO version)		○ - counter-clockwise (viewed from tractor front) - ● 1' 3/8"shaft with 21 splines		
CAB				
Première Cab - 4 post cab with McCormick mechanical suspension		●		
McCormick semi-active suspension		○ - electronically controlled electro-hydraulic semi-active cab suspension system		
In-cab noise level	dB(A)	70		
Automatic climate control		●		
Deluxe air-suspension seat		● - low-frequency air suspension, swivel and height adjustments, automatic weight control, lumbar support and headrest		

		X7.621 VT-DRIVE	X7.623 VT-DRIVE	X7.624 VT-DRIVE
CAB				
Super Deluxe air-suspension seat		○ - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, manual weight control, lumbar support and headrest		
Hide away buddy seat		●		
VT-Easy Pilot on multi-function armrest		●		
DSM Data Screen Manager		● - 12" monitor touchscreen		
Radio adaptor		● - with 4 loudspeakers		
Radio system		○ - radio DAB mp3, with 4 loud speakers, bluetooth, aux-in adapter and integrated microphone		
Halogen work lights		● - 18		
LED work lights		○ - 20		
Beacon lights		● left side - ○ left and right side		
ADDITIONAL EQUIPMENT				
Front ISObus		○		
Rear ISObus		○		
PSM Precision Steering Management & EazySteer - adaptor		○		
PSM Precision Steering Management & EazySteer - EGNOS full kit		○		
PSM Precision Steering Management & EazySteer - RTK NTRIP full kit		○		
McCormick Fleet Management - 3 years of full plan subscription		●		
WEIGHT AND DIMENSIONS				
Wheelbase	mm	2820		
Max height over cab without beacon lights (withPSM satellite steering system)	mm	3044 (3159) - measured with tires 540/65R30 - 650/65R42		
Max height from rear axle centre to cab roof (with PSM satellite steering system)	mm	2180 (2295)		
Max lenght with front weights - Max track width	mm	5360 - 2550 measured with tires 600/60R30 - 710/60R42		
Turning radius	mm	5400, measured with tires 540/65R30 - 650/65R42		
Shipping weight - measured with average specifications	kg	8300		
Gross vehicle weight	kg	13000		
Max front and rear tire sizes - (Index Radius- IR)	mm	600/60R30 (IR 700) - 710/60R42 (IR 925)		
Front weight support		●		
Weights - No. x weight	kg	○ - 12 x 45 or 16 x 45		
Front hitch weight	kg	○ - 800 or 1400		
Rear axle weights	kg	○ - 170 or 340 or 510		

Key: ● standard ○ option

		X7.620 P6-DRIVE	X7.621 P6-DRIVE	X7.623 P6-DRIVE
ENGINE PERFORMANCE				
Rated power (97/68 CE - ISO TR 14396)	HP / kW	175 / 129	194 / 143	205 / 151
Rated power with Power Plus (97/68 CE - ISO TR 14396)	HP / kW	175 / 129	194 / 143	205 / 151
Max power (97/68 CE - ISO TR 14396)	HP / kW	180 / 132	200 / 147	215 / 158
Max power with Power Plus (97/68 CE - ISO TR 14396)	HP / kW	190 / 140	210 / 155	225 / 166
Rated engine speed	rpm	2200		
Engine speed - max power	rpm	1900		
Max torque without Power Plus, (with Power Plus) - Engine speed at 1400 rpm	Nm	756 (778)	840 (860)	904 (921)
Torque backup without Power Plus, (with Power Plus)		36% (41%)		
Manufacturer - Brand		FPT - Beta Power Fuel Efficency		
Engine type - Installation type		NEF 67 - engine iso-mounted on cast iron chassis		
Exhaust gas after-treatment Stage V / Tier 4 Final		HI-eSCR2		
No. of cylinders / Displacement / No. of valves		6 / 6.7 l / 24		
Air filter system		air filter with pre-cleaning stage and dust ejector		
Air inlet system		turbo intercooler		
Fuel injection system		electronically-controlled high-pressure common rail injection system		
Mainteinance		BIC Best in Class - 1200 hours interval maintenance		
Cooling system		matrix radiator pack - coolers open out from single latch		
Viscotronic fan		●		
CAPACITIES				
Fuel tank	litres	320		
AdBlue / DEF tank	litres	52		
Cooling system	litres	29		
TRANSMISSION				
Type		P6-Drive - 6 powershift speeds and 5 ranges		
No. of gears		● 54FWD + 27REV with creeper - ○ 30FWD + 15REV without creeper		
Minimum speed	km/h	0.4 with creeper - 3.2 without creeper		
40 km/h - engine speed	rpm	● - 1505		
50 km/h - engine speed	rpm	○ - 1880		
Transmission control		P6-Easy Pilot on right-hand console (EFFICIENT version) - P6-Easy Pilot on multi-function armrest (PREMIUM version)		
Reverse power shuttle		electro-hydraulic with modulated engagement		
APS - Auto PowerShift		● - electronically-controlled automatic powershift and range shifting		
REAR PTO				
Type		electro-hydraulic multidisc with modulated engagement		
Speeds		540 / 540 E / 1000 / 1000 E		
PTO rated speeds	rpm	2000 / 1588 / 2002 / 1590		
Rotation - spline shaft type		clockwise (viewed from tractor rear) ● 1" 3/8" 6-spline shaft / ○ 1" 3/8" 21-spline shaft		
FRONT AND REAR AXLES				
Front rigid axle		●		
Front suspended axle		○ - IFS with independent front wheels suspension system		
Traction type		electro-hydraulic MFWD		

		X7.620 P6-DRIVE	X7.621 P6-DRIVE	X7.623 P6-DRIVE
FRONT AND REAR AXLES				
Front differential lock		100% electro-hydraulic		
Rear differential lock		100% electro-hydraulic		
Rear axle - flanged type		●		
Rear axle - bar axle type		○		
BRAKING SYSTEM				
Front braking system		auto MFWD engagement while braking		
Rear braking system		5 bath oil cooled discs		
Trailer braking system		2 or 2+1 lines pneumatic system MR with or without single line hydraulic system, 2 line hydraulic system MR (40 km/h only)		
Engine brake		●		
HYDRAULIC SYSTEM				
Hydraulic piston pump with CCLS (Closed Center Load Sensing) system - flow rate		● - 123 l/min		
Hydraulic piston pump with CCLS (Closed Center Load Sensing) system - flow rate ultraflow		○ - 160 l/min (PREMIUM version)		
Steering dedicated pump - flow rate		● - 44 l/min		
Rear remote valves, type, flow rate, min - max		mechanical, 80 l/min flow rate, 2 - 3 mechanical + 1 electro-hydraulic (EFFICIENT version) electro-hydraulic, 100 l/min flow rate, 3 - 6 (PREMIUM version)		
Flow divider 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 spool valves - flow rate		2 electro-hydraulic with multi-function joystick - 100 l/min flow rate		
Hydraulic oil take out	litres	40		
REAR 3-POINT HITCH				
Electronically-controlled rear hitch		lower link draft control, position control, intermix and floating		
Category - coupler type		III - quick-couplers		
Max lifting capacity at hitchs	kg	● 6400 ○9300 (EFFICIENT version) - ● 9300 (PREMIUM version)		
FRONT 3-POINT HITCH				
Electronically-controlled front hitch		○ - with position control		
Category - coupler type		III N - quick-couplers		
Max lifting capacity at 610 mm	kg	3500		
FRONT PTO				
Type		o - electro-hydraulic multidisc with modulated engagement		
Speeds		1000		
PTO rated speeds	rpm	1920		
Rotation - spline shaft type		○ - clockwise (viewed from tractor front) - ● 1' 3/8"shaft with 6 splines		
Rotation - spline shaft type		○ - counter-clockwise (viewed from tractor front) - ● 1' 3/8"shaft with 21 splines		
CAB				
Premiere Cab - iso-mounted four-post cab		●		
McCormick mechanical suspension		○ - mechanical cab suspension system		
McCormick semi-active suspension		○ - electro-hydraulic semi-active cab suspension system electronically controlled		
In-cab noise level	dB(A)	70		
Manual climate control		● (EFFICIENT version)		

		X7.620 P6-DRIVE	X7.621 P6-DRIVE	X7.623 P6-DRIVE
CAB				
Automatic climate control		● (PREMIUM version) - ○ (EFFICIENT version)		
Comfort air-suspension seat		● (EFFICIENT version) - swivel and height adjustments, automatic weight control, lumbar support and headrest		
Deluxe air-suspension seat		● (PREMIUM version) -low-frequency air suspension, swivel and height adjustments, automatic weight control, lumbar support and headrest		
Super Deluxe air-suspension seat		○ (PREMIUM version) - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, manual weight control, lumbar support and headrest		
Hide-away buddy seat		●		
P6-Easy Pilot on right-hand console		● (EFFICIENT version)		
P6-Easy Pilot on multi-function armrest		● (PREMIUM version)		
DSM Data Screen Manager		○ - (PREMIUM version) - 12" monitor touchscreen		
Radio adaptor		● - with 4 loudspeakers		
Radio system		○ - radio DAB mp3, with 4 loud speakers, bluetooth, aux-in adapter and integrated microphone		
Halogen work lights		● - 12 (EFFICIENT version) - 18 (PREMIUM version)		
LED work lights		○ - 20 (PREMIUM version)		
Beacon lights		● left side - ○ left and right side		
ADDITIONAL EQUIPMENT				
Front ISObus		○		
Rear ISObus		○		
PSM Precision Steering Management & EazySteer - adaptor		○		
PSM Precision Steering Management & EazySteer - EGNOS full kit		○		
PSM Precision Steering Management & EazySteer - RTK NTRIP full kit		○		
McCormick Fleet Management - 3 years of full plan subscription		●		
WEIGHT AND DIMENSIONS				
Wheelbase	mm	2820		
Max height over cab without beacon lights (withPSM satellite steering system)	mm	3044 (3159) - measured with tires 540/65R30 - 650/65R42		
Max height from rear axle centre to cab roof (with PSM satellite steering system)	mm	2180 (2295)		
Max lenght with front weights - Max overall track	mm	5360 - 2550 measured with tires 600/60R30 - 710/60R42		
Turning radius	mm	5400, measured with tires 540/65R30 - 650/65R42		
Shipping weight - measured with average specifications	kg	8000		
Gross vehicle weight	kg	13000		
Max front and rear tire sizes - (Index Radius- IR)	mm	600/60R30 (IR 700) - 710/60R42 (IR 925)		
Front weight support		●		
Weights - No. x weight	kg	○ - 12 x 45 or 16 x 45		
Front hitch weight	kg	○ - 800 or 1400		
Rear axle weights	kg	○ - 170 or 340 or 510		

Key: ● standard ○ option

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