

SPECIFICATION

X8.680

ENGINE		
Tier 3		Betapower
Electronic High Pressure Common Rail With eVGT		STD
Turbo/Air-To-Air Intercooler		STD
Max. Engine Power at 1900 Rpm (ISO TR 14396 ECE R120) kW		224
Rated Engine Power At 2100 Rpm (ISO TR 14396 ECE R120) kW		215
Rated Engine Speed Rpm		2100
Max. Torque (ISO TR 14396 ECE R120) Nm		1282
Bore / Stroke mm		104 /132
Displacement cm³ / No. Of Cylinders / No. Of Valves		6728/6/24
AdBlue Tank Capacity L		70
Fuel Tank Capacity L		550
CLUTCH		
Multi-Disc Wet Clutch		STD
TRANSMISSION		
VT-Drive Continuously Variable Transmission (4 Ranges CVT)		STD
Eco Forty (40 Km/H At Reduced Engine Speed)		STD
Reverse Power Shuttle		STD
Electrohydraulic Differential Lock On Rear Axle		STD
POWER TAKE OFF		
Wet Multi-Disc PTO Clutch		STD
Modulated Electrohydraulic Engagement		STD
3 Speeds: 540E/1000E/1000 Rpm		STD
FRONT 4WD AXLE		
Electronically-Controlled Hydraulic Suspensions With Brakes		STD
Electrohydraulic 4Wd Engagement		STD
Max. Steering Angle		55°
Electrohydraulic Twin-Lock Differential Lock		STD
BRAKING SYSTEM		
Wet Multi-Disc Rear Brakes		STD
Automatic 4Wd Engagement On Braking		STD
Braking Booster System Servo Brake		STD
Hydraulic Trailer Braking		OPT
HYDRAULIC SYSTEM		
Closed-Centre Circuit		STD
Hydraulic Pump Flow L/Min		157 (212 Opt)
Steering Pump Flow L/Min		115
Electrohydraulically-Controlled Remote Valves Std/Opt		4 / 6
Electrohydraulically-Controlled Mid-Mount Remote Valves		2 Std
Electronically-Controlled Steering System		STD
CAN BUS LIFT CONTROL HITCH		
Electronically-Controlled Hitch		STD
Max. Lift Capacity Kgs		12000
Draft Sensing On Lower Links		STD
Three-Point Hitch, CAT III		STD
Double-Acting Front Linkage (Max Lifting Capacity Kgs)		5000
CAB & DRIVING POSITION		
Premiere Cab With Four-Post Design And Flat-Deck Platform		STD
Mccormick Suspended Hydro Cab and Electronically-Controlled		
Hydraulic Cab Suspension		STD
Climate Control		STD
Digital Instrument Panel With Performance Monitor		STD
Deluxe Low-Frequency Air Suspension Seat With Ventilation and Armrest		STD
PSM Ready		STD
Radio / Bluetooth / MP3 Ready		STD
ISOBUS Adaptor		STD
12" DSM Touchscreen Monitor		STD
Hide-Away Trainer Seat + Air-Conditioned In-Cab Storage Compartment		STD
LED Lights		STD
DIMENSIONS & WEIGHT		
Max. Front Tyre Size - Single & Dual		650/65R34
Max. Rear Tyre Size - Single & Dual		710/75R42
Max. Length (With Ballast Weights) mm		5150
Min. Width mm		2930
Wheelbase mm		3000
Height Over Cab mm		3400
Ground Clearance mm		520
Total Weight Without Ballast Weights Kgs		10800

STD = Standard - = Not Available OPT = Optional  
See operations and maintenance manual for adjustment with specific tyres.

Whilst every effort is made to ensure that the specifications, descriptions and illustrations in this brochure are correct at the time of print these are also subject to change without notice.



**MCCORMICK**



**X8 SERIES - X8.680**





# MCCORMICK

## X8 SERIES X8.660 | X8.670 | X8.680



### ALL THE POWER *YOU NEED*

At McCormick high power has a name: X8. Boasting 200kW plus, the X8 tractor series combines true power with comfort and style. Specially designed for demanding full time farming businesses, X8 tractors have been developed with an eye to the functional potential offered by electronics and designed to seamlessly integrate future technologies. To meet tomorrow's challenges, the X8 series offers the operator a variety of high-grade features: automotive-style hood and fenders, a fully redesigned Premiere Cab with ergonomically-arranged, easy-to-use controls for the four-stage VT-Drive transmission, a bright DSM touchscreen monitor, a high-performance hydraulic system with up to 212 l/min flow rate and up to ten electro-hydraulic remote valves, and powerful Betapower Fuel Efficiency engines capable of delivering up to 310 hp for the X8.680 model.

### UNCOMPROMISING DESIGN

In designing the X8 series, our primary goal was to build a tractor which combined advanced features with unequalled style and comfort. With its amazing design, the McCormick X8 makes farmers excited and proud to drive it. The hood and fenders with their sharp, dynamic lines give this tractor an aggressive and attractive look, while the automotive-style LED lights seamlessly integrated into the front grill highlights the McCormick family styling. The four-post cab with its large glass surfaces and transparent roof hatch provides exceptional visibility in all directions. In addition, ten roof-mounted work lights provide excellent illumination for night work. The X8 tractor also features wrap-around fenders with fixed extensions and two latest-generation LED tail lights. The fuel tank incorporates four well-spaced access steps for the operator to easily get in and out of the cab. Thanks to all these features, the X8 will simply amaze you with its appealing look and outstanding performance.

### YOUR NEW *MOBILE OFFICE*

When sitting behind the wheel of the X8, you will enjoy the panoramic view only a Premiere Cab can provide. The VT Easy Pilot proportional controller allows the operator fingertip control of all tractor functions. The air-suspended swivel seat with anti-vibration system and backrest ventilation combined with cab and independent front axle minimizes shocks ensuring the operator superior ride comfort in any condition. The automotive-grade fit and finish further enhances the operator comfort. The cab is pressurised to keep a clean, dust-free environment, while a highly-efficient automatic climate control maintains the desired cab temperature whatever the outdoor weather conditions.

### FEATURES

#### CAB

- Four-post design with spacious flat-deck platform
- 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 touchscreen monitor
- Hide-Away trainer seat
- Automatic climate control
- Two-point hydraulic cab suspension

#### ENGINE

- Electronic engine management and turbo intercooler with common rail injection
- eVGT electronically controlled variable geometry turbo-charger
- Engines located within a rugged chassis to help reduce noise and vibration levels within the cab
- Coolers open out to allow easier and faster cleaning
- 550-liter fuel tank

#### TRANSMISSION

- VT-Drive four-stage continuously variable transmission
- Four programmable speed ranges
- Transmission controls integrated into the VTEasy Pilot proportional controller
- Remote Shuttle button
- Soft acceleration, optimum speed, constant traction
- Lower fuel consumption, reduced operating costs
- 40km/h or 50 km/h ECO speed at reduced engine rpm

#### HYDRAULIC SYSTEM

- Load-sensing closed centre hydraulic system
- Hydraulic pump flow of up to 212 l/min
- Up to 10 electro-hydraulic remote valves
- Electronically-controlled rear hitch with up to 12000 kg lift capacity
- Three-speed PTO
- Front hitch with up to 5000 kg lift capacity
- Front 1000rpm-PTO is supplied as an option

#### ENGINE

The X8 series tractors feature Betapower Fuel Efficiency 6.7L, six-cylinder engines that deliver power ratings of 200kW Plus. These engines are equipped with eVGT electronically-controlled variable-geometry turbocharger, common rail injection system and meet the Tier3 emission regulations. The engine is located within a rugged chassis which helps reduce noise and vibration levels within the cab. 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.

#### TRANSMISSION

The VT-Drive transmission is a continuously variable transmission that provides an infinite number of speed ratios from zero to the maximum speed permitted. This transmission offers four speed ranges that allow the use of specific implements at varying speeds which can be programmed by the operator. The VT Easy Pilot proportional controller integrated into the multifunction armrest features a series of buttons that allow the operator to select speeds and ranges and to operate different functions such as the Remote Shuttle facility, rear hitch fast raise and lower, speed cruise control, one remote valve and the headland management. All functions are clearly displayed on the instrument panel and on the DSM touch screen monitor.

#### AXLES

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 extra-wide single or dual tyres can be optionally fitted according to client needs. The front suspended axle with centre pivot is equipped with wet multi-disc brakes, four-wheel drive engagement and full locking differentials. Specially designed to match the power of the X8, the rear axle is sturdy and reliable and features annular-piston wet multidisc brakes.

#### HYDRAULIC SYSTEM

The X8 series 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 157 l/min to the hitch and remote valves and 115 l/min to the steering system, allowing for simultaneous operation of all hydraulic functions. A high-flow pump providing 212 l/min is available as an option. The electronically-controlled rear hitch is equipped with lower link draft sensing for accurate implement control and provides a maximum lift capacity of 12000 kg. The X8 tractors can be fitted with up to 10 electro-hydraulically controlled remote valves: six at the rear, two in mid-position and two at the front.

#### PTO

The X8 range has been designed to operate in a variety of conditions with heavy, power-demanding implements. The PTO offers three speeds: 540Eco, 1000 and 1000Eco rpm and the driveline design ensures minimal power loss and therefore maximum productivity. An electro-hydraulically operated clutch enables smooth and modulated engagement of the PTO, ensuring a soft start-up of the implement. External PTO and hitch 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 reduces implement drive-line damage and gives the operator precise control of the implement during headland turns.

