

420-430-440 (T4 Interim)

NEW

X6



McCORMICK



McCORMICK

X6 Series: innovative design for unparalleled comfort and productivity

The new X6 Series from McCormick is the successor to the popular X60 tractor family. The three models in the range are powered by the new Betapower 4.5L engines with power ratings of 114, 121 and 133 hp.

All engines meet the Tier 4 Interim emission standards using the innovative SCR (Selective Catalytic Reduction) system to reduce exhaust emissions and feature the Power Plus system which boosts engine power to 121, 133 and 140 hp for PTO and transport applications.

The X6 tractors offer a compact design and an all-new modern and stylish four-post cab with automotive-grade fit and finish for maximum comfort of operation.



The main technical features of the X6 range include a new 36+12 Xtrashift transmission with a three-step powershift, an electronically-controlled rear hitch with up to 5400 kg lift capacity, an optional 4-speed PTO and an upgraded hydraulic system, which is offered either in standard configuration with a flow rate of 66 l/min or in closed-centre version (LS) with 110 l/min flow rate.

A front hitch and PTO are available as an option to enhance the tractor's versatility. The X6 tractor range can be further equipped with a front axle and cab suspension to improve ride comfort on road.



ENGINES

The X6 tractors are powered by the BETAPOWER 4.5L, 4-cylinder turbo engines with four valves per cylinder and common rail injection system that deliver maximum outputs of 121, 133 and 140 hp. The optimised electronic fuel injection and the enhanced combustion efficiency, combined with the SCR system, allow these engines to deliver exceptional power and torque backup, while reducing fuel consumption. They also feature the Power Plus system which automatically delivers extra power and torque to handle tough conditions and heavy loads, while maintaining speed and productivity. The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance (fig. A).



FRONT AXLE

The X6 series can be optionally equipped with an electronically-controlled independent front suspension that allows faster travel speeds, better traction and excellent manoeuvrability on all terrains, thereby improving operator comfort, safety and productivity (fig. B).

FRONT POWER LIFT AND PTO (OPTIONAL)

The Cat. 2 three-point hitch features raise/lower control and float position and provides a lift capacity of 2500 kg. The 1000-rpm PTO is electro-hydraulically engaged via a pushbutton. The front power lift and PTO have been specially designed to enhance the versatility of the X6 tractor range, making it ideal for the use of front and rear implement combinations.

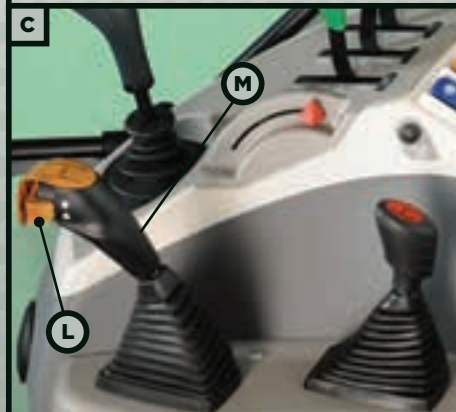
TRANSMISSION

The Xtrashift transmission triples the 12 gears of the basic gearbox (Speed Four with 4 speeds in 3 ranges) under load, providing a total of 36 forward speeds and 12 reverse speeds. Gears are shifted using the switch (L) located on the gearshift lever (fig. C). A creep transmission is available as an option to increase the number of speeds to 48 forward and 16 reverse. The declutch control button (M) on the gear lever (fig. C) and the shuttle control lever adjacent to the steering wheel (fig. D) allow the operator to change gear and shift from

forward to reverse without using the clutch pedal.

Other important transmission features:

The Xtrashift transmission also includes an Eco Forty mode that provides a top speed of 40 km/h at 1900 rpm, resulting in increased fuel economy and lower noise during road transport. Where legally permitted, a top speed of 50 km/h can be reached with the Top Fifty mode. A shuttle modulation control (potentiometer) allows the power shuttle response to be adjusted to suit implement used and soil conditions.





KEY FEATURES & BENEFITS

- › **ENGINES MEETING TIER 4 INTERIM EMISSION REGULATIONS**
- › **ELECTRONIC POWER MANAGEMENT WITH THE POWER PLUS SYSTEM**
- › **NEW HOOD DESIGN IN LINE WITH McCORMICK FAMILY STYLE**
- › **ELECTRO-HYDRAULIC 3-STAGE POWERSHIFT TRANSMISSION (H-M-L)**
- › **CHOICE OF 48 FORWARD AND 16 REVERSE SPEEDS WITH CREEPER**
- › **NEW DELUXE FOUR-POST CAB WITH ALL-ROUND VISIBILITY AND FLAT-DECK PLATFORM**
- › **ELECTRO-HYDRAULICALLY OPERATED PTO WITH UP TO 4 SPEEDS**
- › **ELECTRONIC POWER LIFT WITH 5400 KG LIFT CAPACITY**



E

POWER TAKE-OFF

The PTO offers a choice of two speeds as standard. A 4-speed PTO is also available as an option. Hydraulically operated by push-button (P) (fig. E), the multi-disc wet clutch allows for a modulated PTO engagement, thus ensuring a smooth implement start-up. The Auto PTO feature automatically disengages and reengages the PTO at 3-point linkage heights set by the operator thereby ensuring precise control of the implement during headland turns (fig. E).

HYDRAULIC SYSTEM

The new hydraulic system is optionally available in a closed-centre configuration (LS) with a total flow rate of 110 l/min. It features up to five load sensing remote valves with controls integrated into the right-hand console allowing an efficient use of the implements for greater versatility. Two remote valves are controlled by a joystick controller (1) to operate a front loader, while the remaining three valves are controlled by levers (2) (fig. E).



G

POWER LIFT

With the controls conveniently located on the right-hand console (fig. E), the electronically-operated power lift includes all main settings for simple and precise implement operation. A radar sensor is also available to improve tractive performance and reduce wheel slip in difficult ground conditions. Offering a maximum lift capacity of 5400 kg with two assistor rams, the three-point hitch is Category II and is equipped with lower link draft sensing for accurate implement control (fig. F).



F

CAB

Featuring a four-post design with a flat-deck platform and rear hinged doors, the new Deluxe cab offers easy access to the driver's seat and unmatched all-round visibility.

The driving position with multiple adjustments features an air suspension seat and a telescopic tilt-adjustable steering wheel that tilts with the instrument panel. The main controls are conveniently integrated into the right-hand console for maximum comfort and ease of operation. The interior features a sleek and modern design with automotive-grade fit and finish and ergonomically-arranged controls. Perfectly sound-proofed, pressurised and air-conditioned, the cab of the X6 tractor offers a comfortable environment for long hours in the field. A mechanical suspension is optionally available for extra comfort. A roof hatch ensures perfect visibility for loader work. Fourteen powerful halogen lights provide excellent illumination for working at night (Fig. G).

		X6.420		X6.430		X6.440	
		STD	LS*	STD	LS*	STD	LS*
ENGINE							
TIER 4 INTERIM / STAGE 3B		BETAPOWER		BETAPOWER		BETAPOWER	
ELECTRONIC HIGH PRESSURE COMMON RAIL		●		●		●	
TURBO/AIR-TO-AIR INTERCOOLER		●		●		●	
MAX. ENGINE POWER (ISO RATING)	HP/KW	114/84		121/89		130/95.5	
MAX. ENGINE POWER WITH POWER PLUS (ISO RATING)	HP/KW	121/89		133/98		140/103	
RATED ENGINE SPEED	RPM	2200		2200		2200	
MAX. TORQUE WITH POWER PLUS	NM	495		545		577	
ENGINE RPM @ MAX. TORQUE WITH POWER PLUS	RPM	1400		1400		1500	
BORE / STROKE	MM	104 / 132		104 / 132		104 / 132	
DISPLACEMENT / NO. OF CYLINDERS / NO. OF VALVES	CM ³	4500 / 4 / 16		4500 / 4 / 16		4500 / 4 / 16	
S.C.R. EXHAUST SYSTEM		●		●		●	
ADBLUE TANK CAPACITY	L	25		25		25	
FUEL TANK CAPACITY	L	180		180		180	
CLUTCH							
MULTI-DISC WET CLUTCH		●		●		●	
DECLUTCH FUNCTION: BUTTON-OPERATED CLUTCH CONTROL		●		●		●	
TRANSMISSION							
XTRASHIFT + SPEED FOUR + HYDR. POWER SHUTTLE: 36FWD+12REV (3 POWERSHIFT SPEEDS)		●		●		●	
XTRASHIFT + SPEED FOUR + CREEPER + HYDR. POWER SHUTTLE: 48FWD+16REV		○		○		○	
ECO FORTY (40 KM/H) AT REDUCED ENGINE SPEED		●		●		●	
TOP FIFTY (50 KM/H)		○		○		○	
REVERSE POWER SHUTTLE		●		●		●	
SHUTTLE MODULATION CONTROL: POTENTIOMETER FOR ADJUSTMENT OF POWER SHUTTLE RESPONSIVENESS		●		●		●	
POWER TAKE-OFF							
WET MULTI-DISC PTO CLUTCH		●		●		●	
ELECTROHYDRAULIC ENGAGEMENT		●		●		●	
2 SPEEDS: 540/540E	RPM	●		●		●	
2 SPEEDS: 540/1000	RPM	○		○		○	
4 SPEEDS: 540/540E/1000/1000E	RPM	○		○		○	
1"3/8 (34.9MM) PTO SHAFT WITH 6 SPLINES		●		●		●	
1"3/8 (34.9MM) PTO SHAFT WITH 21 SPLINES		○		○		○	
GROUND SPEED PTO		○		○		○	
FRONT 4WD AXLE							
ELECTROHYDRAULIC 4WD ENGAGEMENT		●		●		●	
ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○		○		○	
MAX. STEERING ANGLE	DEGREES	55°		55°		55°	
ELECTROHYDRAULIC TWIN-LOCK DIFFERENTIAL LOCK		●		●		●	
BRAKING SYSTEM							
ANNULAR PISTON REAR BRAKES		●		●		●	
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●		●		●	
WET MULTI-DISC FRONT BRAKES		○	●	○	●	○	●
IBS - INTEGRAL BRAKING SYSTEM		●		●		●	

Key: ● standard ○ option - not available LS* Load Sensing

	X6.420		X6.430		X6.440	
	STD	LS*	STD	LS*	STD	LS*
HYDRAULIC HITCH						
CONTROL FUNCTIONS: DRAFT, POSITION, INTERMIX, FLOAT POSITION		•		•		•
ELECTRONICALLY-CONTROLLED HITCH		•		•		•
LIFT CAPACITY WITH 2 ASSISTOR RAMS	KG	5400		5400		5400
MAX. OPERATING PRESSURE	BAR	200		200		200
HYDRAULIC PUMP FLOW (HITCH + STEERING)	L/MIN	66+38		66+38		66+38
CLOSED CENTRE SYSTEM PUMP FLOW (HITCH + STEERING)	L/MIN		110+38		110+38	
CAT. 2 THREE-POINT LINKAGE		•		•		•
HYDRAULIC ADJUSTMENT OF TOP LINK AND RIGHT LIFTING ROD		○		○		○
REMOTE VALVES STANDARD / OPTIONAL		3 / 5	3 / 5 LS*	3 / 5	3 / 5 LS*	3 / 5
FRONT HITCH AND FRONT PTO (MAX. LIFT CAPACITY)	KG	2500 ○		2500 ○		2500 ○
CAB AND DRIVING POSITION						
"DELUXE" CAB / RADIO ADAPTOR		•		•		•
MECHANICAL CAB SUSPENSION			○		○	
HEATING / VENTILATION		•		•		•
AIR-CONDITIONING		•	○	•	○	•
CLIMATE CONTROL		○	•	○	•	○
AIR SUSPENSION SEAT		○	•	○	•	○
DIMENSIONS AND WEIGHTS						
FRONT TYRES		480/65R24		480/65R24		480/65R24
REAR TYRES		540/65R38		540/65R38		540/65R38
A - LENGTH 4WD	MM	4400		4400		4400
B - MIN. WIDTH	MM	2056		2056		2056
C - WHEELBASE 4WD	MM	2540		2540		2540
D - HEIGHT OVER CAB	MM	2805		2805		2805
E - GROUND CLEARANCE	MM	420		420		420
WEIGHT IN RUNNING ORDER (WITHOUT BALLAST)	KG	4700		4700		4700
OPTIONAL EQUIPMENT						
10 FRONT BALLAST WEIGHTS 42 KG EACH		○		○		○
300 KG FRONT WEIGHT FOR HITCH		○		○		○

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