

40-50-60 (T4 Interim)

X7.4



McCORMICK

McCormick X7.4^{TIER4 INTERIM}

the ultimate in design,
performance and comfort

The McCormick tractors do always reflect the passion the builders put into making them. And it's from this passion that the new X7.4 tractor series was born. With power ratings from 143 to 175 hp, these tractors offer the ultimate in style, technology and productivity. The range comprises three models - the X7.440, the X7.450 and the X7.460 - powered by the new 4.5-litre "Betapower Fuel Efficiency" 16-valve, four-cylinder turbo engines

with Common Rail injection system. The new engines meet the Tier 4 Interim emission regulations using the SCR system, an exhaust gas after-treatment technology that reduces exhaust emission without compromising engine performance. The "PRO DRIVE" transmission with 24 speeds in six ranges offers a four-speed on-the-go powershift and incorporates a robotised range shifting and a steering-column mounted hydraulic power shuttle. The gearbox is controlled electronically via pushbuttons located on the multi-function armrest of the air suspension seat and features an "Autoshift" option, ideal for road transport. A creep speed unit is available as an option to achieve 40 forward and 40 reverse speeds. The electrohydraulically-engaged rear PTO features a reversible shaft with either 6 or 21 splines that provides four speeds 540/540E/1000/1000E rpm. The electronic control of the PTO always ensures smooth and modulated implement start-up. The closed-centre hydraulic system is a new design and incorporates advanced features to deliver high efficiency and maximum reliability. The system is equipped with a variable-displacement pump that provides a flow rate of 123 l/min to operate all hydraulic functions and up to six electrohydraulic remote valves. The electronically-controlled rear hitch with draft sensing on the lower links provides a maximum lift capacity of 9300 Kg and allows a precise control of the implement. A radar sensor is also available as an option to be used in the most demanding applications. Optionally, the tractor can be equipped with a front hitch capable of lifting up to 3500 Kg for extra versatility. The front axle, either rigid-mounted or with electronically-controlled independent suspensions, offers a 55° steering angle, providing excellent manoeuvrability. The "PREMIERE CAB" is a sort of "hi-tech lounge" designed to offer the operator a functional and ergonomic environment with logically-arranged controls for maximum comfort and ease of operation. The interior features a high-quality, automotive-grade fit and finish that further enhances the operator comfort.





“PREMIERE CAB”, A TRUE TECHNOLOGY LOUNGE.

The “PREMIERE CAB” is a true technology lounge that allows the operator to control the tractor with maximum ease and comfort. Designed to offer the operator a safe, quiet and comfortable environment for long hours in the field, this four-post cab with flat-deck platform is packed with a host of features including an air suspension seat with multi-function armrest, a telescopic tilt-adjustable steering wheel, a highly-efficient automatic climate control, a clear sunroof and LED lights.

In addition, an electronically-controlled hydraulic suspension is available as an option.

The driving position is ergonomically designed and equipped with easy-to-use, logically-arranged controls.

The interior with automotive-style fit and finish is equipped as standard with USB port, bluetooth and four loudspeakers for the maximum comfort of operation.

The driving position features a cutting-edge and stylish large air suspension seat which can be optionally equipped with an efficient heating and ventilation system.

The multi-functional armrest is integrated into the seat frame and accommodates the main tractor controls arranged in a simple, intuitive and logical manner.

The new multi-function joystick includes the “My” button, an innovative facility that allows the operator to select and activate up to four different functions. (fig. A)

DIGITAL INSTRUMENT PANEL.

Modern and intuitive, the digital instrument panel keeps the operator constantly informed of the tractor performance and conditions. The instrument panel is designed to tilt with the steering wheel. (fig. B)

“HIDE AWAY” BUDDY SEAT AND IN-CAB STORAGE COMPARTMENT.

Companions can also travel in comfort thanks to an innovative, upholstered buddy seat, which neatly folds away to allow easier access to the cab. The in-cab storage compartment accommodates a refrigerator. (fig. C)



NEW “PRO DRIVE” TRANSMISSION WITH AUTOSHIFT.

The “PRO DRIVE” transmission with 24 speeds in six ranges offers four shift-on-the-go powershift steps and incorporates a robotised range shifting and a steering-column mounted hydraulic power shuttle which provides 24FWD+24REV speeds. The X7.4 can be optionally equipped with creeper to achieve 40FWD+40REV speeds. The gearbox is controlled electronically via some pushbuttons located on the multi-function armrest of the air suspension seat and features the “Autoshift” facility which automatically selects the right gear to suit load conditions, engine revs and ground speed, thereby allowing safe and smooth driving for maximum comfort and productivity. (fig. E)



“BETAPOWER” TIER 4 INTERIM ENGINES FOR IMPRESSIVE PERFORMANCE.

The three models of the McCormick X7.4 series are powered by the new 4.5-liter “Betapower” 16-valve, 4-cylinder turbo engines with Common Rail injection system. The S.C.R. (Selective Catalyst Reduction) system allows these engines to meet the Tier 4 Interim emission regulations with no compromise to performance. Combining the S.C.R. system with optimised electronic fuel injection and enhanced combustion efficiency, the new “Betapower” engines deliver increased horsepower with reduced fuel consumption. The most powerful of the three models, the X7.460, features the “Power Plus” system which utilises the electronic control of the engine to automatically deliver extra power and torque for demanding PTO and transport work. The tilt-up hood opens wide to provide easy access to the engine compartment for routine service and maintenance. In addition, a special cooling package design allows each of the engine coolers to be separated for easy cleaning. (fig. D)



		X7.440 PRO DRIVE	X7.450 PRO DRIVE	X7.460 PRO DRIVE
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	143/105	160/118	166/122
MAX. ENGINE POWER WITH POWER PLUS (ISO RATING)	HP/KW	—	—	175/129
RATED ENGINE POWER (ISO RATING)	HP/KW	131/96	150/110	160/118
RATED ENGINE SPEED	RPM	2200	2200	2200
MAX. TORQUE (WITH POWER PLUS)	MM	590 (-)	676 (-)	680 (700)
ENGINE RPM @ MAX. TORQUE (WITH POWER PLUS)	RPM	1500 (-)	1500 (-)	1500 (1500)
ENGINE RPM @ MAX. POWER (WITH POWER PLUS)	RPM	1800 (-)	1800 (-)	1800 (1800)
TORQUE RISE (WITH POWER PLUS)		41% (-)	41% (-)	41% (29%)
BORE / STROKE	MM	104 / 132	104 / 132	104 / 132
DISPLACEMENT (CM ³) / NO. OF CYLINDERS / NO. OF VALVES		4500 / 4 / 16	4500 / 4 / 16	4500 / 4 / 16
COMPRESSION RATIO		17.1:1	17.1:1	17.1:1
WATER COOLING		●	●	●
AXIAL AIR FILTER WITH CYCLONE PRE-CLEANING		●	●	●
AIR FILTER EJECTOR		●	●	●
EXHAUST SYSTEM S.C.R.		●	●	●
CAPACITY ADBLUE	LITRES	38	38	38
FUEL TANK CAPACITY	LITRES	280	280	280
CLUTCH				
MULTI-DISC WET CLUTCH		●	●	●
TRANSMISSION				
PRO DRIVE+POWER SHUTTLE: 24FWD+24REV (4 POWERSHIFT SPEEDS)		●	●	●
PRO DRIVE+CREEPER+POWER SHUTTLE: 40FWD+40REV		○	○	○
SPEED SEQUENCER (ELECTRONIC RANGE SHIFT)		●	●	●
ECO FORTY (40 KM/H) AT REDUCED ENGINE SPEED		●	●	●
TOP FIFTY (50 KM/H)		○	○	○
REVERSE POWER SHUTTLE: REVERSE SHUTTLE UNDER LOAD		●	●	●
ELECTROHYDRAULIC DIFFERENTIAL LOCK ON REAR AXLE		●	●	●
FLANGED-TYPE AXLE		●	●	●
BAR-TYPE AXLE		○	○	○
POWER TAKE-OFF				
WET MULTI-DISK PTO CLUTCH		●	●	●
ELECTROHYDRAULIC ENGAGEMENT		●	●	●
2 SPEEDS: 540/540E/1000/1000E	RPM	●	●	●
1 ³ /8 PTO SHAFT WITH 6 AND 21 SPLINES		●	●	●
FRONT 4WD AXLE				
RIGID TYPE		●	●	●
WITH ELECTRONICALLY-CONTROLLED HYDRAULIC SUSPENSIONS		○	○	○
ELECTROHYDRAULIC 4WD ENGAGEMENT		●	●	●
MAX. STEERING ANGLE		55°	55°	55°
ELECTROHYDRAULIC DIFFERENTIAL LOCK		●	●	●
TURNING RADIUS	MM	4800	4800	4800

		X7.440 PRO DRIVE	X7.450 PRO DRIVE	X7.460 PRO DRIVE
BRAKING SYSTEM				
WET MULTI-DISK REAR BRAKES		●	●	●
AUTOMATIC 4WD ENGAGEMENT ON BRAKING		●	●	●
"BRAKING BOOSTER SYSTEM" SERVO BRAKE		●	●	●
HYDRAULIC TRAILER BRAKING		○	○	○
PNEUMATIC TRAILER BRAKING		○	○	○
HYDRAULIC SYSTEM				
CLOSED-CENTRE CIRCUIT		●	●	●
PUMP FLOW	LTR/MIN	123	123	123
PUMP FLOW STEERING	LTR/MIN	44	44	44
ELECTROHYDRAULICALLY-CONTROLLED REMOTE VALVES	STD/OPT	3/5 - 6	3/5 - 6	3/5 - 6
"CAN BUS LIFT CONTROL" HITCH				
ELECTRONICALLY-CONTROLLED HITCH		●	●	●
FUNCTIONS: POSITION CONTROL, INTERMIX, FLOAT CONTROL, SHOCK ABSORBER		●	●	●
MAX. LIFT CAPACITY	KG	9300	9300	9300
DRAFT SENSING ON LOWER LINKS		●	●	●
THREE-POINT LINKAGE	CAT	3N / 3	3N / 3	3N / 3
CAB AND DRIVING POSITION				
"PREMIERE CAB" WITH 4-POST DESIGN AND FLAT-DECK PLATFORM		●	●	●
ELECTR.-CONTR. HYDRAULIC CAB SUSPENSION "McCORMICK SUSPENDED HYDRO CAB"		○	○	○
HEATING / VENTILATION		●	●	●
CLIMATE CONTROL		●	●	●
DIGITAL INSTRUMENT PANEL WITH PERFORMANCE MONITOR		●	●	●
SUPER DELUXE AIR SUSPENSION SEAT WITH ARMREST		●	●	●
DELUXE LOW-FREQUENCY AIR SUSPENSION SEAT WITH AIR-CONDITIONING AND ARMREST		○	○	○
RADIO / BLUETOOTH / MP3 READY		●	●	●
ISOBUS ADAPTOR		○	○	○
"HIDE AWAY" BUDDY SEAT+AIR-CONDITIONED IN-CAB STORAGE COMPARTMENT		●	●	●
LED LIGHTS		●	●	●
DIMENSIONS				
FRONT TYRES		540/65R28	540/65R28	540/65R28
REAR TYRES		650/65R38	650/65R38	650/65R38
HEIGHT OVER CAB	MM	2920	2920	2920
WHEELBASE	MM	2600	2600	2600
MAX. LENGTH (WITH BALLAST WEIGHTS)	MM	5070	5070	5070
GROUND CLEARANCE 4WD	MM	485	485	485
MIN. WIDTH	MM	2430	2430	2430
TOTAL WEIGHT WITHOUT BALLAST WEIGHTS	KG	5750	5750	5750
OPTIONAL EQUIPMENT				
FRONT BALLAST WEIGHTS 45 KG EACH		16	16	16
FRONT HITCH (MAX. LIFT CAPACITY)	KG	3500 ○	3500 ○	3500 ○
FRONT HITCH AND PTO		○	○	○
FRONT WEIGHT FOR HITCH 900 KG		○	○	○

Key: ● standard ○ option — not available