

SPECIFICATION

	X7.650	X7.660	X7.670	X7.680	X7.690
ENGINE					
TIER 3A	Betapower	Betapower	Betapower	Betapower	Betapower
Electronic High Pressure Common Rail	STD	STD	STD	STD	STD
Turbo, Air to Air Intercooler	STD	STD	STD	STD	STD
Max. Engine Power (ISO TR 14396 ECE R120) (kW)	116	121	133	140	147
Rated Engine Power Speed (rpm)	2200	2200	2200	2200	2200
Max Torque (ISO TR 14396 ECE R120 1500 rpm) (Nm)	625	679	798	810	825
Bore / Stroke	104/132	104/132	104/132	104/132	104/132
Displacement (cm³) / No of Cylinders / No of valves	6728 / 6 / 24	6728 / 6 / 24	6728 / 6 / 24	6728 / 6 / 24	6728 / 6 / 24
Water Cooling	STD	STD	STD	STD	STD
Fuel Tank Capacity (ltr)	320	320	320	320	320
CLUTCH					
Multi-Disc Wet Clutch	STD	STD	STD	STD	STD
PRO DRIVE TRANSMISSION					
Pro Drive P6, 52 Fwd + 27 Rev	STD	STD	STD	STD	STD
6 Power Shift Speeds in 5 Ranges	STD	STD	STD	STD	STD
ECO 40 km/h at Reduced Engine Speed	STD	STD	STD	STD	STD
POWER TAKE OFF					
Modulated Electro Hydraulic Engagement	STD	STD	STD	STD	STD
Four Speeds (rpm) 540/540E 1000/1000E	STD	STD	STD	STD	STD
1"3/8 PTO Shaft with 6 and 21 Splines	STD	STD	STD	STD	STD
4WD FRONT AXLE					
Rigid Type	STD	STD	STD	STD	STD
Electro Hydraulic 4WD Engagement	STD	STD	STD	STD	STD
Max. Turning Angle	55°	55°	55°	55°	55°
Electro Hydraulic Differential Lock	STD	STD	STD	STD	STD
Turning Radius (mm)	4800	4800	4800	4800	4800
BRAKING SYSTEM					
Wet Multi-disc Rear Brakes	STD	STD	STD	STD	STD
Automatic 4WD Engagement on Braking	STD	STD	STD	STD	STD
Braking Booster System Servo Brake	STD	STD	STD	STD	STD
HYDRAULIC SYSTEM					
Closed Centre Circuit	STD	STD	STD	STD	STD
Hydraulic Pump Flow (l/min)	125	125	125	125	125
Steering Pump Flow (l/min)	44	44	44	44	44
Electro Hydraulically Controlled Remote Valves	4	4	4	4	4
ELECTRONIC LIFT CONTROL					
Electronically Controlled Hitch	STD	STD	STD	STD	STD
Position Control, Intermix, Float Control, Ride Control	STD	STD	STD	STD	STD
Max. Lifting Capacity (kg)	7200	9300	9300	9300	9300
Draft Sensing on Lower Links	STD	STD	STD	STD	STD
Three-point Hitch, CAT III	3	3	3	3	3
TYRES, WHEELS & DIMENSIONS					
Front Tyres #	420/85R28	540/65R28	540/65R30	540/65R30	540/65R30
Rear Tyres #	520/85R38	650/65R38	650/65R42	650/65R42	650/65R42
Front Tyres - Dual	—	—	460/70R30	460/70R30	460/70R30
Rear Tyres - Dual	—	—	520/85R42	520/85R42	520/85R42
Max. Length with Ballast Weights (mm)	5290	5290	5360	5360	5360
Min. Width (mm)	2430	2430	2430	2430	2430
Wheel base (mm)	2750	2750	2820	2820	2820
Height Over Cab (mm)	3050	3050	3100	3100	3100
Ground Clearance (mm)	550	550	650	650	650
Total Weight without Ballast Weights (kg)	6850	7000	7100	7100	7100
Front Ballast Weights 45 kg each	12	16	16	16	16
Rear Ballast Weights 85 kg each (Single Wheels only)	4	6	6	6	6
CONFIGURATION					
PREMIERE Cab, Four-Post Design & Flat Deck Platform	STD	STD	STD	STD	STD
Heating/Ventilation	STD	STD	STD	STD	STD
Climate Control	—	STD	STD	STD	STD
Standard Aircondition	STD	—	—	—	—
Digital Instrument Panel with Performance Monitor	STD	STD	STD	STD	STD
Air Suspension Seat with Armrest Side panel	STD	STD	STD	STD	STD
Radio / Blue tooth / MP3 Ready	—	STD	STD	STD	STD
Hide Away Buddy Seat	STD	STD	STD	STD	STD
Air Conditioned In-Cab Storage Compartment	STD	STD	STD	STD	STD
LED Lights	STD	STD	STD	STD	STD

STD = Standard - = Not Available OPT = Optional
 # = Track adjustment not with listed tyres
 *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.

MAART/2019




X7 SERIES X7.650 | X7.660 | X7.670 | X7.680 | X7.690

TIER 3
 ENGINE ENVIRONMENT STANDARDS

MCCORMICK

X7.670
POWER PLUS

MCCORMICK

X7 SERIES

X7.650 | X7.660 | X7.670 | X7.680 | X7.690

SUPERIOR DESIGN FOR MAXIMUM COMFORT, PERFORMANCE AND PRODUCTIVITY

BACKED BY EXPERIENCE AND A CORPORATE POLICY TARGETED ON DEVELOPMENT, MCCORMICK CONTINUES TO RENEW ITS RANGE WITH THE LAUNCH OF A NEW GENERATION OF TRACTORS.

MACHINES TO MEET THE MARKET'S HIGHEST LEVEL OF EXPECTATIONS AS TO COMFORT, PERFORMANCE, "INTELLEGENGE ON BOARD" AND DESIGN.



BETAPOWER ENGINES

"BETAPOWER" ENGINES FOR MORE POWER, LESS FUEL

The five models of the McCormick X7 Series are powered by the 6.7 liter "Betapower" 24 valve, 6 cylinder Turbo engines with Common Rail Injection and air to air Inter cooler which provide power ratings from 116 - 147 kW. The optimised electronic fuel injection and the enhanced combustion efficiency, allow the new engines to deliver increased horsepower while reducing fuel consumption.

THE ULTIMATE FLEXIBILITY AND VERSATILITY IN A TRANSMISSION

The "Pro Drive" transmission with power shuttle and creeper gives 40 Fwd + 40 Rev gears through four speeds in six ranges. The transmission is electronically controlled via pushbuttons located on the multi-function armrest of the air suspension seat. It features the "Autoshift" facility which automatically selects the correct gear to suit load conditions, engine revs and ground speed. The transmission also features the ECO Forty 40 km/h at reduced engine speeds.

SAFE AND EASY POWER TAKE OFF OPERATION

The electro-hydraulic engagement PTO features two shafts with either 6 or 21 splines. The transmission provides four speeds 540/540E/1000/1000E rpm. The electronic control of the PTO always ensures smooth and modulated implement start-up.

MORE KEY FEATURES:

- Multi-disc Wet Clutch
- Rigid Type 4WD Axle with Electro-hydraulic Engagement
- Electro-hydraulic Differential Lock
- Wet Multi-disc Rear Brakes
- Automatic 4WD Engagement on Braking

HIGH EFFICIENCY CLOSED-CENTRE HYDRAULIC SYSTEM WITH ADVANCED FEATURES

The system is equipped with a hydraulic pump that provides a flow rate of 90 l/min to operate all hydraulic functions and a minimum of 4 remote valves. The system features a CAT III, 3-point hitch. The electronically-controlled rear hitch with draft sensing on the lower links provides a maximum lift capacity of 9300 kg and allows precise function control of the implement.

'PREMIER CAB' AS STANDARD CAB LAYOUT ON THE X7.650

The cab layout 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.

The four-post cab is packed with a host of features including a flat deck platform, air suspension seat with multi-function armrest, a telescopic tilt-adjustable steering wheel, a highly efficient automatic climate control, a clear sunroof, LED lights and clear all-round visibility.

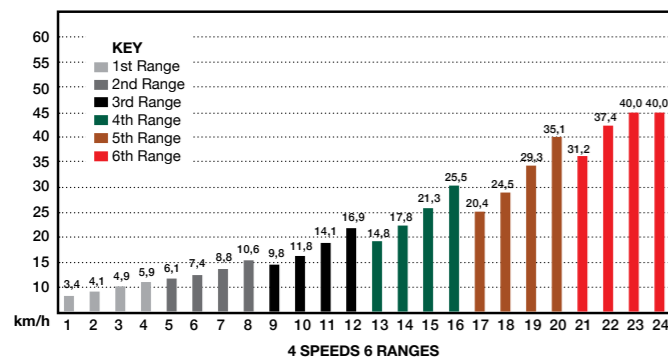
The driving position is ergonomically designed and equipped with easy-to-use, logically arranged controls. The interior with automotive style fit and finish is equipped as standard with USB port, bluetooth, radio and four loudspeakers for maximum comfort of operation.

X7.650: The cabin layout differ from the larger X7 models. The multi-function electronic control functions on the seat arm moved to the side panel. The transmission control function also moved to the side panel and supply the same functions as for the larger models because the transmission on all the models stay the same.



CONTROL LAYOUT OF X7.650

TRANSMISSION SPEEDS AT 2200RPM



CONTROL LAYOUT OF X7.660 TO X7.690



CLOSED CENTRE HYDRAULIC SYSTEM



INSTRUMENT CLUSTER

