

X7.6



623 - 621 - 620 P6-DRIVE


MCCORMICK
Power Technology.

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

	X7.620 P6-DRIVE	X7.621 P6-DRIVE	X7.623 P6-DRIVE
FRONT AND REAR AXLES			
Front differential lock		fully electrohydraulic	
Rear differential lock		fully electrohydraulic	
Rear axle - flanged type		●	
Rear axle - bar axle type		○	
BRAKING SYSTEM			
Front braking system		automatic 4WD engagement while braking	
Rear braking system		5 oil-cooled discs	
Trailer braking system		○ - pneumatic brake system with 2 or 2+1 lines as per MR, with or without single-line hydraulic brake - 2-line hydraulic brake system as per MR (40 km/h only)	
Engine brake		●	
HYDRAULIC SYSTEM			
Hydraulic piston pump with CCLS system - high flow rate		○ - 160 l/min (PREMIUM version)	
Steering pump - flow rate		● - 52 l/min	
Remote valves - type, flow rate, min - max		● - 3 mechanical, 80 l/min - ○ - 3 mechanical + 2 electrohydraulic (EFFICIENT version) - electrohydraulic, 100 l/min, 3 - 6 (PREMIUM version)	
Flow divider with flow selector - section flow rate		○ - 3 sections with dedicated push-pull connectors - 60 l/min per section (PREMIUM version)	
Free flow return		●	
Power Beyond ready and free flow return		○	
Power Beyond with push-pull connectors and free flow return		○	
Mid-mounted remote valves - flow rate		○ - 2 electrohydraulic with multifunction joystick - 100 l/min	
Front loader ready kit		○	
Hydraulic oil take out	l	40	
REAR 3-POINT HITCH			
Electronically-controlled rear hitch		with lower link draft control, position control, mixed control, float position	
Category - coupler type		III - ball ends with quick-hitch hooks	
Max lift capacity at the hooks - ram diameter	kg	● - 6400 - 80 mm ○ - 9300 - 100 mm (EFFICIENT version) - ● - 9300 - 100 mm (PREMIUM version)	
FRONT 3-POINT HITCH			
Electronically-controlled rear hitch		○ - with position control	
Category - coupler type		III N - ball ends with quick-hitch hooks	
Lift capacity at the hooks (OECD at the hooks)	kg	3500	
FRONT PTO			
Type		○ - electrohydraulic multidisc clutch with modulated engagement	
Speeds		1000	
Engine speed at rated PTO speed	rpm	1920	
Rotation - spline shaft type		○ -clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 6 splines	
Rotation - spline shaft type (North American version)		○ -counter-clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 21 splines	
CAB			
Première Cab - 4-post cab mounted on silent blocks		●	
McCormick mechanical cab suspension system		○	
McCormick semi-active suspension system		○ - electronically-controlled electrohydraulic semi-active cab suspension	
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)	
Deluxe air suspension seat	● - low-frequency air suspension, swivel and height adjustments, manual weight control, lumbar support and headrest		
Super Deluxe air suspension seat	○ - (PREMIUM version) - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, automatic weight control, lumbar support and headrest		
Hide-away buddy seat	●		
EasyPilot on RH console	● - (EFFICIENT version)		
EasyPilot with multi-function armrest	● - (PREMIUM version)		
DSM Data Screen Manager	○ - (PREMIUM version) - 12" touch screen monitor		
MyFunctions	● - with DSM		
MyLights	● - with DSM		
MyHMF	● - with DSM		
Radio ready	with 4 speakers ○ - (PREMIUM version) - ● (EFFICIENT version)		
Radio system	radio DAB Mp3 with 4 speakers, bluetooth, aux-in and integrated microphone ● - (PREMIUM version) - ○ (EFFICIENT version)		
Halogen work lights	● - 12 (EFFICIENT version) - 18 (PREMIUM version)		
LED work lights	○ - 20 (PREMIUM version)		
Beacon lights	● - left side ○ - left and right side		
ON-BOARD TECHNOLOGY			
Front ISObus		○	
Rear ISObus		○	
PSM Precision Steering Management, rear ISObus & EazySteer- ready		○	
PSM Precision Steering Management, rear ISObus & EazySteer - EGNOS full kit		○	
PSM Precision Steering Management, rear ISObus & EazySteer - RTK NTRIP full kit		○ - AT Spare Parts	
McCormick Fleet Management - ready		●	
McCormick Fleet Management - 3-year full plan subscription		○	
McCormick Fleet & Diagnostic Remote Management - 3-year full plan subscription		○	
WEIGHT AND DIMENSIONS			
Wheelbase	mm	2820	
Max height over cab without beacon lights (with PSM with satellite steering system)	mm	3044 (3159) - measured with tyres 540/65R30 - 650/65R42	
Max height from top of cab to rear axle centre (with PSM satellite steering system)	mm	2180 (2295)	
Max length with front weights - Max width	mm	5360 - 2550 measured with tyres 600/60R30 - 710/60R42	
Steering radius	mm	5400 measured with tyres 540/65R30 - 650/65R42	
Shipping weight - measured with average specs	kg	8000	
Gross vehicle weight	kg	13000	
Max front and rear tyre 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 ○ - 1400	
Rear axle weights	kg	○ - 170 ○ - 340 ○ - 510	

Key: ● Standard ○ Option