

		<b>X8.627 VT-DRIVE</b>	<b>X8.631 VT-DRIVE</b>
<b>ENGINE</b>			
Rated power (ISO/TR 14396)	hp / kW	250 / 184	301 / 221
Max power (ISO/TR 14396)	hp / kW	273 / 201	313 / 230
Rated engine speed	rpm		2100
Engine speed at max power	rpm		1800
Max torque at 1400 rpm	Nm	1173	1282
Torque backup		40%	28%
Manufacturer		FPT	
Engine type - Installation		NEF 67 - iso-mounted engine on cast iron chassis	
Stage V / Tier 4 Final exhaust after-treatment system		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		eVGT electronic variable geometry turbocharger with intercooler	
Fuel injection system		electronically-controlled high pressure common rail injection system	
Maintenance		Best In Class system (BIC) - 1000-hour maintenance interval	
Cooling system		matrix radiator pack - coolers open out from a single latch	
Viscotronic fan		<ul style="list-style-type: none"> <li></li> </ul>	
<b>CAPACITIES</b>			
Fuel tank	l	550	
AdBlue / DEF tank	l	71	
Cooling system	l	30	
<b>TRANSMISSION</b>			
Type		VT-Drive - continuously variable transmission	
No. of stages		4	
Minimum speed - engine speed	m/h - rpm	40 - 2200	
Engine speed at 40 km/h	rpm	<ul style="list-style-type: none"> <li>- 1300</li> </ul>	
Engine speed at 50 km/h	rpm	<ul style="list-style-type: none"> <li>o - 1580</li> </ul>	
Transmission control		EasyPilot with multifunction armrest	
Forward/reverse shuttle		electrohydraulic with modulation control	
<b>REAR PTO</b>			
Type		electrohydraulic multidisc clutch with modulated engagement	
Speeds		540 E / 1000 / 1000 E	
Engine speed at rated PTO speed	rpm	1580 / 1943 / 1605	
Rotation - spline shaft type		clockwise (viewed from tractor rear) - <ul style="list-style-type: none"> <li>• 1-3/8" PTO shaft with 6 splines / o 1-3/8" PTO shaft with 21 splines</li> </ul>	
<b>FRONT AND REAR AXLES</b>			
Front rigid axle		<ul style="list-style-type: none"> <li>- (EFFICIENT version)</li> </ul>	
Front suspended axle		<ul style="list-style-type: none"> <li>- parallelogram suspension system</li> </ul>	
Traction type		electrohydraulic 4WD	
Front differential lock		fully electrohydraulic	
Rear differential lock		fully electrohydraulic	
Rear axle - flanged type		<ul style="list-style-type: none"> <li></li> </ul>	
Rear axle - bar axle type		o	
<b>BRAKING SYSTEM</b>			
Front braking system		<ul style="list-style-type: none"> <li>- oil-bath disc brakes</li> </ul>	
Rear braking system		6 oil-bath discs	
Trailer braking system		<ul style="list-style-type: none"> <li>- pneumatic brake with 2 or 2+2 lines with/without single-line hydraulic brake as per MR - 2-line hydraulic brake as per MR (40 km/h only)</li> </ul>	
Engine brake		<ul style="list-style-type: none"> <li></li> </ul>	
<b>HYDRAULIC SYSTEM</b>			
Hydraulic piston pump with CCLS system - high flow rate		<ul style="list-style-type: none"> <li>- 212 l/min</li> </ul>	
Steering pump - flow rate		<ul style="list-style-type: none"> <li>- 115 l/min</li> </ul>	
Rear remote valves - type, flow rate, min - max		electrohydraulic, 140 l/min, 4 - 6	
Flow diverter with flow selector - section flow rate		o - 3 sections with dedicated push-pull connectors - 60 l/min per section	

Free-flow return		<ul style="list-style-type: none"> <li></li> </ul>	
Power Beyond adaptor and free-flow return		o	
Power Beyond with push-pull connectors and free-flow return		o	
Mid-mounted remote valves - type, number, flow rate		<ul style="list-style-type: none"> <li>- 3 electrohydraulic remotes with multifunction joystick - 100 l/min</li> </ul>	
Hydraulic oil take out	l	70	
<b>REAR 3-POINT HITCH</b>			
Electronically-controlled rear hitch		with lower link draft control, position control, mixed control, float position	
Category - hitch type		<ul style="list-style-type: none"> <li>- III - quick-hitch ball ends - o - IV N - quick-hitch ball ends</li> </ul>	
Max lift capacity at the hooks - ram diameter	kg	12000 - 120 mm	
<b>FRONT 3-POINT HITCH</b>			
Electronically-controlled front hitch		<ul style="list-style-type: none"> <li>- with position control</li> </ul>	
Category - coupler type		III N - ball ends with quick-hitch hooks	
Lift capacity at the hooks (OECD at the hooks)	kg	5000	
<b>FRONT PTO</b>			
Type		o - electrohydraulic multidisc clutch with modulated engagement	
Speeds		1000	
Engine speed at rated PTO speed	rpm	1920	
Rotation - spline shaft type (North American version)		counter-clockwise (viewed from tractor front) - 1-3/8" PTO shaft with 21 splines	
<b>CAB</b>			
Clever Cab - 4-post cab with McCormick mechanical suspension		o (EFFICIENT version)	
Clever Cab - 4 -post with McCormick semi-active suspension system		<ul style="list-style-type: none"> <li>-electronically-controlled electrohydraulic semi-active cab suspension (PREMIUM version)</li> </ul>	
In-cab noise level		68	
Automatic climate control		<ul style="list-style-type: none"> <li></li> </ul>	
Deluxe air suspension seat		<ul style="list-style-type: none"> <li>- low-frequency air suspension, swivel and height adjustments, manual weight control, lumbar support and headrest</li> </ul>	
Super Deluxe air suspension seat with swivel headrest		o - Dynamic Damping System, backrest ventilation, alcantara upholstery, swivel and height adjustments, automatic weight control, lumbar support and swivel headrest	
Trainer seat		<ul style="list-style-type: none"> <li></li> </ul>	
EasyPilot with multifunction armrest		<ul style="list-style-type: none"> <li></li> </ul>	
DSM Data Screen Manager		<ul style="list-style-type: none"> <li>- 12" touch screen monitor</li> </ul>	
MyFunctions		<ul style="list-style-type: none"> <li>- with DSM</li> </ul>	
MyLights		<ul style="list-style-type: none"> <li>- with DSM</li> </ul>	
MyHMF		<ul style="list-style-type: none"> <li>- with DSM</li> </ul>	
Sound system		Alpine touchscreen radio DAB Apple Car Play & Android Auto with 4 Alpine speakers, bluetooth, aux-in and integrated microphone	
LED work lights		<ul style="list-style-type: none"> <li>- 20</li> </ul>	
LED Beacon lights		<ul style="list-style-type: none"> <li>- left and right side</li> </ul>	
<b>ONBOARD TECHNOLOGY</b>			
Front ISOBUS		o	
Rear ISOBUS		<ul style="list-style-type: none"> <li></li> </ul>	
PSM Precision Steering Management, rear ISObus & EazySteer - ready		<ul style="list-style-type: none"> <li></li> </ul>	
PSM Precision Steering Management, rear ISObus & EazySteer		o - EGNOS full kit o RTK NTRIP full kit - AT Spare Parts	
McCormick Fleet & Remote Diagnostics Management, Farm Management and Pro Pack		on selected markets <ul style="list-style-type: none"> <li>• - 1 year o - 3 years o - 5 years</li> </ul>	
<b>WEIGHTS AND DIMENSIONS</b>			
Wheelbase	mm	3000	
Max height over cab without beacon lights (with PSM satellite steering system)	mm	3354 (3445) - measured with tyres 650/65R34 - 900/60R42	
Max height from top of cab to rear axle centre (with PSM satellite steering system)	mm	2400 (2491)	
Max length with front weights - Max width	mm	6569 - 2930 measured with tyres 650/65R34 - 900/60R42	
Steering radius	mm	5400 measured with tyres 650/60R34 - 710/70R42	
Shipping weight - measured with average specs	kg	11000	
Gross vehicle weight	kg	16000	
Max front and rear tyre size - (Index Radius - IR)	mm	650/65R34 (IR 775) - 900/60R42 (IR 1025)	
Front hitch weight	kg	o - 1400 o - 1800	
Rear axle weights	kg	o - 300 x 2 o - 300 x 4	

**Key:**

- standard
- o option



**Power Technology.**

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