

*Zetor*



# FORTERRA range

**Construction of FORTERRA tractors has been adapted accordingly – these are robust, heavy weight tractors. Due to very good torque parameters, they are appreciated as hard workers and excellent value for money. FORTERRA tractors are unbeatable in terms of operational costs.**

The ZETOR **FORTERRA** models offer engine powers in a range 130-140 HP, which makes it a very strong.

**FORTERRA HSX** is equipped with the most up-to-date technology: the latest Powershuttle generation, a new five-speed gearbox with three-stage multiplier, a more powerful hydraulic system, HitchTronic three-point hitch controls, LCD display, safety driver's seat and more.

## ENGINE

The exceptional popularity of ZETOR engines is based on low fuel consumption, high reliability and simple design – these reward the customer not only with low purchase costs, but also low operating costs and great reliability. The 16-valve engines obtained one of the best evaluations in a stringent test carried out by the German Agricultural Association (DLG). Tractors with these engines therefore rank among the most economical in the market.

## GEARBOX

### FORTERRA 135

The classic, four-speed, fully synchronized gearbox in FORTERRA tractors, supplemented with two speed ranges and a three-stage multiplier (24/18), features larger gears and bearings for a good service life. Gears are suitably spaced with seven speeds available within the operating range from 6–12 kph.

### FORTERRA HSX 140

A five-speed gearbox with two driving speed ranges, a three-stage multiplier and a reverser under load (30/30) satisfies the demands of users requiring a higher level of comfort. The pair of wet disk clutches is reliable with smooth reversing. The working range offers nine speeds.

## HYDRAULICS

Two auxiliary hydraulic cylinders ensure uniform tractor loading and maximum lifting force, up to 77 kN for FORTERRA 135 and up to 85 kN for FORTERRA HSX.



## FORTERRA

MODEL	UNITS	FORTERRA	
		135	FORTERRA HSX 140
<b>ENGINE</b>			
Engine type	•	1605	
Emission level	•	Stage IIIA	
Homologated Power (2000/25/EC)	kW	100.2	
	HP	136	
Rated Speed	rpm	2,200	
Number of Cylinders	•	4	
Number of Valves	•	16	
Aspiration	•	Turbocharged	
Bore/Stroke	mm	105/120	
Displacement	cm <sup>3</sup>	4,156	
Max. Torque (2000/25/EC)	Nm	581	
Improvement of Torque (ECE R24)	%	38.2	
<b>TRANSMISSION</b>			
Type	•	4-stage with 3-stage multiplier	Reversing 5-stage with automatic 3-stage multiplier
Reverser	•	Synchroshuttle	Powershuttle
Shifting	•	Fully synchronized	
No. of Gears (forward/reverse)	•	24/18	30/30
Speed	kph	40	
<b>PTO</b>			
Type	•	Independent or independent / ground speed <sup>OPT</sup>	
Clutch type	•	Wet multi-plate PTO clutch	
Rear PTO Revolutions	•	Independent and ground 540/1000 or independent 540/540E/1000/1000E	
Front PTO Revolutions <sup>OPT</sup>	•	1,000	
Max. Power of Front PTO <sup>OPT</sup>	kW	Power transmission up to 60 kW	
<b>HYDRAULICS</b>			
Type	•	Bosch electro-hydraulics with HitchTronic, 2 auxiliary cylinders	
Three-Point Hitch	•	Category II, Category III N <sup>OPT</sup>	
Control	•	Electronic	
Max. Lift Capacity	kN	77	85
Lift Capacity in the entire range of links	kN	69	76
Operating Pressure	MPa	20	
Pump Capacity	l	70	
Hydraulic Outputs (Quickcouplers)	•	6+1	
Hitches	•	Modular CBM hitch system with multistage hitch	