

**TECHNICAL DESCRIPTION**

<b>Model Forterra 135</b>	
<b>Engine</b>	
Type	1605
Certified power (kW) (2000/25/EC)	100.2
Certified power (hp) (2000/25/EC)	136
Specific fuel consumption at nominal power (2200 rpm), g/kW*h.	240
Nominal revolutions (rpm)	2,200
Number of cylinders / valves	4 / 16
Fuel system	In-line 4-plunger with mech. reason
Filling cylinders	turbocharging
Cylinder diameter / piston stroke (mm)	105 / 120
Cylinder volume (cm3)	4 156
Cooling	The fan is driven by a viscous coupling
Max torque (Nm) (2000/25/EC)	581
Torque reserve, %	38
Specific fuel consumption at max. torque (1480 rpm), g/kW*h.	214
<b>GEAR BOX</b>	
Type	Independent, multi-disc PTO clutch
Rear GDP rotation speed	540 / 540E / 1000/1000E, optionally 540/1000 dependent
Max. rear GDP power (kW)	82
The speed of rotation of the front GDP	1,000
Max. front GDP power (kW)	power transmission up to 60 kW
<b>HYDRAULICS</b>	
Type	Bosch electrohydraulics with HitchTronic, 2 auxiliary hydraulic cylinders
Three-point attachment	category II, optionally category III N
Management	Electronic

<b>Max. rear hitch lifting force (kN)</b>	77
<b>Working pressure (MPa)</b>	20
<b>Pump performance (l/min)</b>	70
<b>Oil volume in the gearbox (l)</b>	52
<b>External conclusions</b>	6+1 or 4+1
<b>Hanging</b>	Modular height-adjustable CBM hitch system with automatic locking and hitch for single-axle trailer (+ pendulum drawbar)
<b>CABIN</b>	
<b>Spring adjustment</b>	Rigid standard / spring-loaded as desired
<b>Hatch</b>	Standard
<b>Driver's seat</b>	Zetor with pneumatic / mechanical suspension
<b>Passenger seat</b>	Standard with seat belt
<b>Multifunctional panel</b>	–
<b>Steering wheel</b>	Folding and telescopic
<b>Air conditioning</b>	Manual control
<b>OTHER PARAMETERS</b>	
<b>Maximum traction force (kN) on concrete, tractor in equipped condition with ballast, skidding up to 15%</b>	48
<b>Drive system</b>	4WD
<b>Front driving bridge</b>	Static
<b>Steering</b>	Hydrostatic
<b>Main / parking brakes</b>	Hydrostatic
<b>Front brakes</b>	Connecting the front drive axle using a hydraulic clutch
<b>Trailer brake</b>	Hydraulic / Pneumatic 2 + 1 optional
<b>Max. front counterweight (kg)</b>	800
<b>Max. rear wheel ballast (kg)</b>	472
<b>Tank volume (l)</b>	180
<b>Front wings</b>	Fix/rotate
<b>Rear heating glass and mirrors</b>	Standard

<b>Preparation for radio</b>	Standard
<b>DIMENSIONS</b>	
<b>Length (mm)</b>	5,000
<b>Weight without ballast (kg)</b>	4,300 - 4,800
<b>Max. width (mm)</b>	2 430
<b>Max. height (mm)</b>	2,775
<b>Ground clearance under the beam of the front axle</b>	520(mm)
<b>Wheel base (mm)</b>	2,490
<b>Front wheel track (mm)</b>	1590 - 2030
<b>Rear wheel track (mm)</b>	1425 - 1800
<b>Front wheels (mm)</b>	420/70R24 (non-adjustable track)
<b>Rear wheels (mm)</b>	520/70R38 (non-adjustable track)

